



Section: Demographics	Parent: Root		
Element: 2000	Last Name	Technic	al Specification
	Indicate the patient's last name. Hyphenated names should be recorded with a hyphen.	Code:	1000142463
-		Code System Name:	ACC NCDR
Target Value:	The value on arrival at this facility	Short Name:	
		Missing Data:	
		-	Yes (BDS, TAVR, TMVR,
		naivesteu.	TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	Yes
		Is Followup Element:	Vaa
		Element:	res
		Data Type:	LN
		Precision:	
		Selection Type:	-
		Unit of Measure:	
		Default Value:	
		Usual Range:	
		Valid Range:	
		Data Source:	User
	 ())	Teebrid	al Crecification
Element: 2010	First Name	Code:	tal Specification
Coding Instruction:	Indicate the patient's first name.	Code System Name:	
Target Value:	The value on arrival at this facility	Name:	ACC NCDR
	···· ····· ···························	Short Name:	FirstName
		Missing Data:	Report
		Harvested:	Yes (BDS, TAVR, TMVR TMVrpr, TTVP)
		Is Identifier:	No
		Is Base Element:	Yes
		Is Followup	Yes
		Element.	
		Data Type:	
		Precision:	
		Selection Type:	-
		Unit of Measure:	
		Default Value:	
		Usual Range:	
		Valid Range:	
		Data Source:	User
Lamont, 0000	Middle Massa	Technic	al Specification
Element: 2020	Middle Name		1000142463
Coding Instruction:	Indicate the patient's middle name.		
		Code System Name:	ACC NCDR
	Note(s):	Short Name:	
	It is acceptable to specify the middle initial.	Missing Data:	
	If there is no middle name given, leave field blank.	-	Yes (BDS, TAVR, TMVR TMVrpr, TTVP)
	If there are multiple middle names, enter all of the middle names sequentially.	Is Identifier:	No
	If the name exceeds 50 characters, enter the first 50 letters only.	Is Base Element: Is Followup	res
Target Value:	The value on arrival at this facility	Element:	res
	· · · · · · · · · · · · · · · · · · ·	Data Type:	MN
l'arget value.		Precision:	50
Target value.		Only offers Trees	Single
Taiget value.		Selection Type:	0
Target Value.		Unit of Measure:	-
Target Value.			-
Target Value.		Unit of Measure:	Null
Target Value.		Unit of Measure: Default Value:	Null





Section: Demographics	Parent: Root	
Element: 2050	Birth Date	Technical Specification
		Code: 1000142447
Coding instruction:	Indicate the patient's date of birth.	Code System Name:
Target Value:	The value on arrival at this facility	
		Short Name: DOB
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Floment: Yes
		Element:
		Data Type: DT
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
Element: 2030	SSN	Technical Specification
		Code: 2.16.840.1.113883.4.1
Coding Instruction:	Indicate the patient's United States Social Security Number (SSN).	Code System United States Social Secur
	Note(s):	Name: Number (SSN)
	If the patient does not have a US Social Security Number (SSN), leave blank and check 'SSN	Short Name: SSN
	NA'.	Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR,
Target Value:	The value on arrival at this facility	TMVrpr, TTVP)
Vendor Instruction:	Patient's SSN must be 9 numeric characters long	Is Identifier: No
	Ŭ	Is Base Element: Yes
		Is Followup Element:
		Element:
		Data Type: ST
		Precision: 9
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2031 SSN N/A
		Operator: Equal
		Value: No (or Not Answered)
Element: 2031	SSN N/A	Technical Specification
Coding Instruction	Indicate if the patient does not have a United States Social Security Number (SSN).	Code: 2.16.840.1.113883.4.1
county instruction:	maicate in the patient does not have a onned States Social Security Nutriber (SSN).	Code System United States Social Secur
Target Value:	The value on arrival at this facility	Name: Number (SSN)
		Short Name: SSNNA
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Unit of Measure: Default Value: Null
		Unit of Measure: Default Value: Null Usual Range:
		Unit of Measure: Default Value: Null





Section: Demographics	Parent: Root	
Element: 2040	Patient ID	Technical Specification
Coding Instruction:	Indicate the number created and automatically inserted by the software that uniquely identifies this patient.	Code: 2.16.840.1.113883.3.3478.4.84 Code System Name: ACC NCDR
	Note(s): Once assigned to a patient at the participating facility, this number will never be changed or reconsigned to a different patient. If the patient returns to the same participating facility or for	Short Name: NCDRPatientID Missing Data: Illegal Harvested: Yes (BDS, TAVR, TMVR,
	reassigned to a different patient. If the patient returns to the same participating facility or for follow up, they will receive this same unique patient identifier.	TMVrpr, TTVP)
Target Value:	The value on arrival at this facility	Is Base Element: Yes Is Followup Element: Yes
		Element: Data Type: NUM
		Precision: 9 Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range: Valid Range: 1 - 999,999,999
		Data Source: Automatic
Element: 2045	Other ID	Technical Specification
Coding Instruction:	Indicate an optional patient identifier, such as medical record number, that can be associated with the patient.	Code: 2.16.840.1.113883.3.3478.4.84 Code System Name:
Target Value:		Short Name: OtherID
		Missing Data: No Action Harvested: Yes (TAVR, TMVR, TMVrpr,
		TTVP) Is Identifier: No
		Is Base Element: Yes Is Followup Element: Yes
		Data Type: ST
		Precision: 50 Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
Element: 2060	Sex	Technical Specification Code: 1000142448
-	Indicate the patient's sex at birth.	Code System Name:
Target value:	The value on arrival at this facility	Short Name: Sex Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No Is Base Element: Yes
		ls Followup Element:
		Data Type: CD Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null Usual Range:
		Valid Range: Data Source: User
Person Sex - 1.3.6.1.4.1.19376.	1.4.1.6.5.19	
Selection D	Definition Source	Code Code System Nan

Male

Female

M HL7 Administrative Gender F HL7 Administrative Gender





Section: Demographics	Parent: Root		
Element: 2065	Patient Zip Code	Technic	al Specification
Coding Instruction:	Indicate the patient's United States Postal Service zip code of their primary residence.		1000142449
obuing instruction.	Note(s):	Code System Name:	
	If the patient does not have a U.S. residence, or is homeless, leave blank and check 'Zip Code NA'.	Short Name: Missing Data:	
Target Value:	The value on arrival at this facility	-	Yes (TAVR, TMVR, TMVrpr TTVP)
-	Patient's zip code must be 5 numeric characters long.	Is Identifier:	·
		Is Base Element: Is Followup	
		Element:	Yes
		Data Type: Precision:	
		Selection Type:	
		Unit of Measure:	N. 11
		Default Value: Usual Range:	Null
		Valid Range:	
		Data Source:	User
			Child Validation
		Operator: Equal	p Code N/A
		Value: No (or No	t Answered)
Element: 2066	Zip Code N/A	Technic	al Specification
	Indicate if the patient does not have a United States Postal Service zip code.	Code:	1000142449
coung instruction.		Code System Name:	ACC NCDR
	Note(s): This includes patients who do not have a U.S. residence or are homeless.	Short Name:	
Target Value:	The value on arrival at this facility	Missing Data:	Report Yes (TAVR, TMVR, TMVrpr
	······		TTVP)
		Is Identifier: Is Base Element:	
		Is Followup	
		Element:	
		Data Type: Precision:	BL
		Selection Type:	Single
		Unit of Measure: Default Value:	Null
		Usual Range:	Null
		Valid Range:	
		Data Source:	User
Element: 2070	Race - White		al Specification
Coding Instruction:	Indicate if the patient is White as determined by the patient/family.	Code: Code System	2106-3
	Note(s):	Name.	
	If the patient has multiple race origins, specify them using the other race selections in addition to this one.	Short Name: Missing Data:	
Target Value:	The value on arrival at this facility	-	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Supporting Definition:	·	Is Identifier:	
	Having origins in any of the original peoples of Europe, the Middle East, or North Africa.	Is Base Element:	
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element:	No
	Ethnicity	Data Type:	BL
		Precision: Selection Type:	Sinale
		Precision: Selection Type: Unit of Measure:	Single
		Selection Type: Unit of Measure: Default Value:	•
		Selection Type: Unit of Measure:	Null





Section: Demographics	Parent: Root		
lement: 2071	Race - Black/African American	Technic	cal Specification
Coding Instruction:	Indicate if the patient is Black or African American as determined by the patient/family.	Code: Code System	2054-5
		Name:	
	Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Short Name:	RaceBlack
	to this one.	Missing Data:	
Target Value:	The value on arrival at this facility	Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Supporting Definition:	Black/African American (race)	Is Identifier:	
ouppo	Having origins in any of the black racial groups of Africa. Terms such as "Haitian" or "Negro"	Is Base Element:	
	can be used in addition to "Black or African American."	Is Followup Element:	
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Data Type:	
	Ethnicity	Precision:	
		Selection Type:	Single
		Unit of Measure:	NL-0
		Default Value: Usual Range:	NUII
		Valid Range:	
		Data Source:	User
lement: 2073	Race - American Indian/Alaskan Native		tal Specification
Coding Instruction:	Indicate if the patient is American Indian or Alaskan Native as determined by the patient/family.	Code System	
	Note(s):	Name:	
	If the patient has multiple race origins, specify them using the other race selections in addition		RaceAmIndian
	to this one.	Missing Data:	
Target Value:	The value on arrival at this facility	naivesteu:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Supporting Definition:	American Indian or Alaskan Native (race)	Is Identifier:	
	Having origins in any of the original peoples of North and South America (including Central	Is Base Element:	
	America), and who maintains tribal affiliation or community attachment.	Is Followup Element:	No
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and Ethnicity	Data Type:	BL
	Eumicity	Precision:	
		Selection Type:	Single
		Unit of Measure: Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
lement: 2072	Deve Asia	Tochnie	cal Specification
lement: 2072	Race - Asian	Code:	2028-9
Coding Instruction:	Indicate if the patient is Asian as determined by the patient/family.	Code System	HI 7 Race
	Note(s):		
	If the patient has multiple race origins, specify them using the other race selections in addition	Short Name: Missing Data:	
	to this one.		Yes (BDS, TAVR, TMVR,
Target Value:	The value on arrival at this facility		TMVrpr, TTVP)
Supporting Definition:	Asian (race)	Is Identifier:	
	Having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian	Is Base Element: Is Followup	
	subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.	Element:	No
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Data Type:	BL
	Ethnicity	Precision:	O're wla
		Selection Type: Unit of Measure:	Single
		onn or measure.	
		Default Value:	Null
		Default Value: Usual Range:	





amant: 2080	Dece Asian Indian	Technical Specification
lement: 2080	Race - Asian Indian	Code: 2029-7
Coding Instruction:	Indicate if the patient is Asian Indian as determined by the patient/family.	Code System
	Note(s):	Name: Name: Deschainsladion
	If the patient has multiple race origins, specify them using the other race selections in addition	Short Name: RaceAsianIndian Missing Data: Report
	to this one.	Harvested: Yes (TAVR, TMVR, TMVrpr
Target Value:	The value on arrival at this facility	TTVP)
Supporting Definition:	Asian Indian	Is Identifier: No
	Having origins in any of the original peoples of India.	Is Base Element: Yes
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element:
	Ethnicity	Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2072 Race - Asian
		Operator: Equal
		Value: Yes
lement: 2081	Race - Chinese	
		Value: Yes Technical Specification Code: 2034-7
	Indicate if the patient is Chinese as determined by the patient/family.	Value: Yes Technical Specification
	Indicate if the patient is Chinese as determined by the patient/family. Note(s):	Value: Yes Technical Specification Code: 2034-7
	Indicate if the patient is Chinese as determined by the patient/family.	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race
Coding Instruction:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Value: Yes Technical Specification Code: 2034-7 Code System Name: Short Name: RaceChinese Missing Data: Report
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr
Coding Instruction:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP)
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China.	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China.	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Null
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2034-7 Code System HL7 Race Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVR, TMVR) TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source:
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2034-7 Code System HL7 Race Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if the patient is Chinese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Chinese Having origins in any of the original peoples of China. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2034-7 Code System Name: HL7 Race Short Name: RaceChinese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVR, TMVR) TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source:





ement: 2082	Race - Filipino	Technical Specification
Coding Instruction:	Indicate if the patient is Filipino as determined by the patient/family.	Code: 2036-2
		Code System Name: HL7 Race
	Note(s):	Short Name: RaceFilipino
	If the patient has multiple race origins, specify them using the other race selections in addition to this one.	Missing Data: Report
		Harvested: Yes (TAVR, TMVR, TMVrpr
Target Value:	The value on arrival at this facility	TTVP)
Supporting Definition:	Asian - Filipino	Is Identifier: No Is Base Element: Yes
	Having origins in any of the original peoples of the Philippines.	
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Element:
	Ethnicity	Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2072 Race - Asian
		Operator: Equal
		Value: Yes
		Value: Yes
ement: 2083	Race - Japanese	Technical Specification
		Technical Specification Code: 2039-6
	Indicate if the patient is Japanese as determined by the patient/family.	Technical Specification
	Indicate if the patient is Japanese as determined by the patient/family. Note(s):	Code: 2039-6
	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Technical Specification Code: 2039-6 Code System Name:
Coding Instruction:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one.	Technical Specification Code: 2039-6 Code System Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility	Technical Specification Code: 2039-6 Code System HL7 Race Name: RaceJapanese Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP)
Coding Instruction:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese	Technical Specification Code: 2039-6 Code System HL7 Race Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility	Technical Specification Code: 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan.	Technical Specification Code: 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup No
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: Is Base Element: Yes Is Followup No Element: No
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Precision:
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single Single
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Selection
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: RaceJapanese Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: Is Identifier: No Is Followup No Element: Yes Jata Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range:
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: Is Identifier: No Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Null
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2039-6 Code System HL7 Race Name: RaceJapanese Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range:
Coding Instruction: Target Value:	Indicate if the patient is Japanese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Japanese Having origins in any of the original peoples of Japan. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code 2039-6 Code System HL7 Race Name: HL7 Race Short Name: RaceJapanese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





lement: 2084	Race - Korean	Technical Specification
		Code: 2040-4
Coding Instruction:	Indicate if the patient is Korean as determined by the patient/family.	Code System Name: HL7 Race
	Note(s):	Short Name: RaceKorean
	If the patient has multiple race origins, specify them using the other race selections in addition to this one.	Missing Data: Report
	to this one.	Harvested: Yes (TAVR, TMVR, TMVrpr
Target Value:	The value on arrival at this facility	TTVP)
Supporting Definition:	Asian - Korean	Is Identifier: No Is Base Element: Yes
	Having origins in any of the original peoples of Korea.	
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and Ethnicity	Element: NO
	Lunoky	Data Type: BL
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2072 Race - Asian
		Operator: Equal
		Value: Yes
		value. 165
		Value. Tes
lement: 2085	Race - Vietnamese	Technical Specification
		Technical Specification
	Indicate if the patient is Vietnamese as determined by the patient/family.	Technical Specification
	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s):	Technical Specification
	Indicate if the patient is Vietnamese as determined by the patient/family.	Technical Specification Code: 2047-9 Code System Name:
Coding Instruction:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Technical Specification Code: 2047-9 Code System HL7 Race Name: Short Name: RaceVietnamese Missing Data: Report
Coding Instruction:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr
Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese	Technical Specification Code: 2047-9 Code System Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP)
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam.	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: Is Base Element: Yes Is Followup No
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: Is Base Element: Yes Is Followup No Data Type: BL
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Precision:
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single Single
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Ves
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: Is Identifier: No Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if the patient is Vietnamese as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Asian - Vietnamese Having origins in any of the original peoples of Viet Nam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code: 2047-9 Code System HL7 Race Name: HL7 Race Short Name: RaceVietnamese Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User





Element: 2086	Race - Other Asian	Technic	al Specification
Coding Instruction:	Indicate if the patient is of Other Asian descent as determined by the patient/family.	Code:	100001130
coung instruction.		Code System Name:	ACC NCDR
	Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Short Name:	RaceAsianOther
	to this one.	Missing Data:	Report
Target Value:	The value on arrival at this facility		Yes (TAVR, TMVR, TMVrpr TTVP)
Supporting Definition:	Asian - Other Asian	Is Identifier:	/
oupporting Demittion.	Having origins in any of the original peoples elsewhere in Asia.	Is Base Element:	Yes
		Is Followup	No
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and Ethnicity	Element:	
		Data Type:	BL
		Precision:	Cinala
		Selection Type: Unit of Measure:	Single
		Default Value:	NIUI
		Usual Range:	INUII
		Valid Range:	
		Data Source:	llser
			Child Validation
			ace - Asian
		Operator: Equal	
		Value: Yes	
-lamont: 2074	Dese Netive Lleureijen/Desifie Islander	Value: Yes	al Specification
Element: 2074	Race - Native Hawaiian/Pacific Islander	Value: Yes	al Specification
	Race - Native Hawaiian/Pacific Islander Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family.	Value: Yes Technic Code: Code System	2076-8
	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family.	Value: Yes Technic Code: Code System	
	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s):	Value: Yes Technic Code: Code System	2076-8 HL7 Race
	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family.	Value: Yes Technic Code: Code System Name:	2076-8 HL7 Race RaceNatHaw
Coding Instruction:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested:	2076-8 HL7 Race RaceNatHaw
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single
Coding Instruction: Target Value:	Indicate if the patient is Native Hawaiian or Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Race - Native Hawaiian/Pacific Islander - Native Hawaiian Having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	2076-8 HL7 Race RaceNatHaw Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single Null





Element: 2090	Race - Native Hawaiian	Technical Specification
Coding Instruction:	Indicate if the patient is Native Hawaiian as determined by the patient/family.	Code: 2079-2 Code System Name: HL7 Race
	Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one.	Name: Short Name: RaceNativeHawaii Missing Data: Report
Target Value:	The value on arrival at this facility	Harvested: Yes (TAVR, TMVR, TMVrp TTVP)
Supporting Definition:	Native Hawaiian	Is Identifier: No
	Having origins in any of the original peoples of the islands of Hawaii.	Is Base Element: Yes
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and Ethnicity	ls Followup _{No} Element: Data Type: BL
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2074 Race - Native Hawaiian/Pacifi Islander
		Operator: Equal
		Value: Yes
Element: 2091	Race - Guamanian or Chamorro	
		Value: Yes Technical Specification Code: 2086-7
Element: 2091 Coding Instruction:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family.	Value: Yes Technical Specification
		Value: Yes Technical Specification Code: 2086-7 Code System Name: Short Name: RaceGuamChamorro Missing Data: Report
Coding Instruction:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Value: Yes Technical Specification Code: 2086-7 Code System Name: Short Name: RaceGuamChamorro Missing Data: Report
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one.	Value: Yes Technical Specification Code: 2086-7 Code System Name: Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility	Value: Yes Technical Specification Code: 2086-7 Code System Name: HL7 Race Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro	Value: Yes Technical Specification Code: 2086-7 Code System Name: Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2086-7 Code System Name: HL7 Race Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2086-7 Code System Name: HL7 Race Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2086-7 Code System Name: HL7 Race Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2086-7 Code System Name: HL7 Race Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2086-7 Code System Name: HL7 Race Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Precision: Data Type: BL Precision: Selection Type: Default Value: Null Usual Range:
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2086-7 Code System Name: HL7 Race Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Technical Specification Code 2086-7 Code System Name: HL7 Race Short Name: Yes (TAVR, TMVR, TMVR, TMVrpt) TUP) Is Identifier: No Is Followup BL Precision: Selection Type: Default Value: Unit of Measure: Default Value: Valid Range:
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2086-7 Code System Name: Name: Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVR, TMVrpt) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if the patient is Guamanian or Chamorro as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Guamanian or Chamorro Having origins in any of the original peoples of the Mariana Islands or the island of Guam. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Value: Yes Technical Specification Code: 2086-7 Code System Name: HL7 Race Short Name: RaceGuamChamorro Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVR, TMVrpt, TTVP) Is Identifier: No Element: Data Type: BL Precision: Selection Type: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 2037 Race - Native Hawaiian/Pacific





ement: 2092	Race - Samoan	Technical Specification
Coding Instruction:	Indicate if the patient is Samoan as determined by the patient/family.	Code: 2080-0 Code System HL7 Race
	Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Name: The Nace Short Name: RaceSamoan
	to this one.	Missing Data: Report
Target Value:	The value on arrival at this facility	Harvested: Yes (TAVR, TMVR, TMVrpi TTVP)
Supporting Definition:	Native Hawaiian/Pacific Islander - Samoan	Is Identifier: No
	Having origins in any of the original peoples of the island of the Samoa.	Is Base Element: Yes
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	ls Followup Element: No
	Ethnicity	Data Type: BL
		Precision: Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2074 Race - Native Hawaiian/Pacifi Islander
		Operator: Equal
		Value: Yes
ement: 2093	Race - Other Pacific Islander	Technical Specification
	Race - Other Pacific Islander Indicate if the patient is Other Pacific Islander as determined by the patient/family.	Code: 2500-7
	Indicate if the patient is Other Pacific Islander as determined by the patient/family.	
	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIslandOther
Coding Instruction:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one.	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIslandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIslandOther Missing Data: Report
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpu TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific.	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup No
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island	Code: 2500-7 Code System Name: Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup No
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 2074 Race - Native Hawaiian/Pacifit
Coding Instruction: Target Value:	Indicate if the patient is Other Pacific Islander as determined by the patient/family. Note(s): If the patient has multiple race origins, specify them using the other race selections in addition to this one. The value on arrival at this facility Native Hawaiian/Pacific Islander - Other Pacific Island Having origins in any of the original peoples of any other island in the Pacific. Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Code: 2500-7 Code System Name: HL7 Race Short Name: RacePacificIsIandOther Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation





Section: Demographics	Parent: Root		
lement: 2076	Hispanic or Latino Ethnicity	Technic	al Specification
Coding Instruction:	Indicate if the patient is of Hispanic or Latino ethnicity as determined by the patient/family.	Code: Code System Name:	2135-2 HL7 Ethnicity
	Note(s): If the patient has multiple hispanic or latin ethnicity, specify them using the other ethnicity selections in addition to this one.	Short Name: Missing Data:	Report
Target Value:	The value on arrival at this facility	Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Supporting Definition:	Hispanic or Latino Ethnicity	Is Identifier:	
	A person of Mexican, Puerto Rican, Cuban, South or Central American, or other Spanish culture or origin, regardless of race. The term, "Spanish origin," can be used in addition to "Hispanic or Latino."	Is Base Element: Is Followup Element:	
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and Ethnicity	Data Type: Precision: Selection Type:	
		Unit of Measure:	Single
		Default Value: Usual Range: Valid Range:	Null
		Data Source:	User
lement: 2100	Hispanic Ethnicity Type - Mexican, Mexican-American, Chicano	Technic	al Specification
			2148-5
Coding Instruction:	Indicate if the patient is Mexican, Mexican - American, or Chicano as determined by the patient/family.	Code System Name:	HL7 Ethnicity
	Note(s): If the patient has multiple hispanic or latin ethnicity, specify them using the other ethnicity selections in addition to this one.	Missing Data:	Yes (TAVR, TMVR, TMVrp
Target Value:	The value on arrival at this facility	Is Identifier:	TTVP) No
Supporting Definition:	Hispanic Ethnicity - Mexican/Mexican American/Chicano	Is Base Element:	Yes
Supporting Definition:	Hispanic Ethnicity - Mexican/Mexican American/Chicano Having origins in any of the original peoples of Mexico.	Is Followup	
Supporting Definition:			No
Supporting Definition:	Having origins in any of the original peoples of Mexico.Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element: Data Type:	No BL
Supporting Definition:	Having origins in any of the original peoples of Mexico.Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	No BL Single
Supporting Definition:	Having origins in any of the original peoples of Mexico.Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	No BL Single
Supporting Definition:	Having origins in any of the original peoples of Mexico.Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	No BL Single
Supporting Definition:	Having origins in any of the original peoples of Mexico.Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	No BL Single Null
Supporting Definition:	Having origins in any of the original peoples of Mexico.Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	No BL Single Null
Supporting Definition:	Having origins in any of the original peoples of Mexico.Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and	Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	No BL Single Null User





Section: Demographics	Parent: Root	
lement: 2101	Hispanic Ethnicity Type - Puerto Rican	Technical Specification
Coding Instruction:	Indicate if the patient is Puerto Rican as determined by the patient/family.	Code: 2180-8 Code System Name: HL7 Ethnicity
	Note(s): If the patient has multiple hispanic or latin ethnicity, specify them using the other ethnicity selections in addition to this one.	Short Name: HispEthnicityPuertoRico Missing Data: Report
Target Value:	The value on arrival at this facility	Harvested: Yes (TAVR, TMVR, TMVrpr TTVP)
Supporting Definition:	Hispanic Ethnicity - Puerto Rican	Is Identifier: No
	Having origins in any of the original peoples of Puerto Rico.	Is Base Element: Yes
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and Ethnicity	Is Followup Element: No
	Eurificity	Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2076 Hispanic or Latino Ethnicity
		Operator: Equal
lement: 2102	Hispanic Ethnicity Type - Cuban	Technical Specification
Coding Instruction:	Indicate if the patient is Cuban as determined by the patient/family.	Code: 2182-4
	Note(s):	Code System Name: HL7 Ethnicity
	If the patient has multiple hispanic or latin ethnicity, specify them using the other ethnicity	Short Name: HispEthnicityCuban
	selections in addition to this one.	Missing Data: Report
Target Value:	The value on arrival at this facility	Harvested: Yes (TAVR, TMVR, TMVrpr TTVP)
Supporting Definition:	Hispanic Ethnicity - Cuban	Is Identifier: No
	Having origins in any of the original peoples of Cuba.	Is Base Element: Yes
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and Ethnicity	Is Followup Element:
	Lunicity	Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2076 Hispanic or Latino Ethnicity
		Operator: Equal
		1

Value: Yes





Section: Demographics	Parent: Root	
Element: 2103	Hispanic Ethnicity Type - Other Hispanic, Latino or Spanish Origin	Technical Specification
Coding Instruction:	Indicate if the patient is another Hispanic, Latino, or Spanish origin as determined by the patient/family. Note(s):	Code: 100001131 Code System Name: ACC NCDR Short Name: HispEthnicityOtherOrigin
	If the patient has multiple hispanic or latin ethnicity, specify them using the other ethnicity selections in addition to this one.	Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP)
Target Value:	The value on arrival at this facility	Is Identifier: No
Supporting Definition:	Hispanic Ethnicity - Other Hispanic/Latino/Spanish Origin	Is Base Element: Yes
	Having origins in any of the originals peoples in other Hispanic, Latino or Spanish territories.	Is Followup Element:
	Source: U.S. Office of Management and Budget. Classification of Federal Data on Race and Ethnicity	Data Type: BL Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 2076 Hispanic or Latino Ethnicity
		Operator: Equal Value: Yes
		Value. 163
Element: 14780	Original Patient ID	Technical Specification
		Code: 11200002061
Coding instruction.	This is the ID generated when the patient was first submitted to the STS/ACC TVT Registry. This field will be provided to vendors as part of the participant vendor migration process for all	Code System Name: ACC NCDR
	patients currently in the Registry. For patients submitted to the STS/ACC TVT Registry the first	Short Name: OrigPtID
	time by a vendor, it should be populated with the NCDR Patient ID assigned by the vendor.	Missing Data: Illegal
Target Value:	N/A	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes Is Followup
		Element:
		Data Type: NUM
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value:
		Usual Range:
		Valid Range: Data Source: Automatic
		Data Source. Automatic
Element: 14781	Original NCDR Vendor	Technical Specification
Coding Instruction:	This is the vendor identifier of the vendor who first submitted the patient to the STS/ACC TVT	Code: 11200002062
Ū	Registry. This field will be provided to vendors as part of the vendor migration process for all	Code System ACC NCDR Name:
	patients currently in the registry. For patients submitted to the STS/ACC TVT Registry for the first time by a vendor, it should be populated with the Vendor Identifier of the submitting	Short Name: OrigNCDRVen
	vendor.	Missing Data: Illegal
Target Value:	N/A	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No Is Base Element: Yes
		Is Followup
		Element:
		Data Type: ST Precision: 15
		Selection Type: Single
		Selection Type: Single Unit of Measure:
		Unit of Measure: Default Value:
		Unit of Measure:





Section: Episode Inform	ation Parent: Episode of Care		
lement: 2999	Episode Unique Key	Technie	cal Specification
Coding Instruction:	Indicate the unique key associated with each patient episode record as assigned by the		2.16.840.1.113883.3.3478.4.
county instruction.	EMR/EHR or your software application.	Code System	ACC NCDR
Target Value:	N/A	Short Name:	
raiget faide.		Missing Data:	
		-	Yes (BDS, TAVR, TMVR,
			TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element: Is Followup	Yes
		Element:	No
		Data Type:	ST
		Precision:	50
		Selection Type:	-
		Unit of Measure:	
		Default Value:	
		Usual Range: Valid Range:	
		Data Source:	
lement: 3001	Arrival Date and Time	Technie	cal Specification
		Code:	1000142450
Coding Instruction:	Indicate the date and time the patient arrived at your facility.	Code System Name:	ACC NCDR
	Note(s):		
	Indicate the time (hours:minutes) using the military 24-hour clock, beginning at midnight (00:00	Missing Data:	ArrivalDateTime
	hours).	-	Yes (BDS, TAVR, TMVR,
Target Value:	N/A	nurrootou.	TMVrpr, TTVP)
Vendor Instruction:	Arrival Date and Time (3001) must be Less than or Equal to Procedure Start Date and Time	Is Identifier:	No
	(7000)	Is Base Element:	
	Arrivel Data and Time (0004) must be been then an Error (1. Discharge Data (10400)	Is Followup	No
	Arrival Date and Time (3001) must be Less than or Equal to Discharge Date (10100)	Element: Data Type:	
		Precision:	
		Selection Type:	
		Unit of Measure:	-
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
		Teshuit	al Quasifiantian
lement: 3005	Health Insurance		cal Specification 63513-6
Coding Instruction:	Indicate if the patient has health insurance.		
Target Value:	The value on arrival at this facility	Code System Name:	LUINC
		Short Name:	
		Missing Data:	
		Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	Yes
		Is Followup	No
		Element:	
		Data Type: Precision:	
		Selection Type:	
		Unit of Measure:	•
		Default Value:	
		Usual Range:	
		-	
		Valid Range:	





lement: 3010	Health Insurance Payment Source	Technical Specification
	The disease of the second seco	Code: 100001072
Coding Instruction:	Indicate the patient's health insurance payment type.	Code System Name: ACC NCDR
	Note(s):	Name:
	If the patient has multiple insurance payors, select all payors.	Short Name: HIPS
		Missing Data: Report
	If there is uncertainty regarding how to identify a specific health insurance plan, please	Harvested: Yes (BDS, TAVR, TMVR,
	discuss with your billing department to understand how it should be identified in the registry.	TMVrpr, TTVP)
Target Value:	The value on arrival at this facility	Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: CD
		Precision:
		Selection Type: Multiple
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 3005 Health Insurance
		Operator: Equal
		Value: Yes

Selection	Definition	Source	Code	Code System Name
Private Health Insurance	Private health insurance is coverage by a health plan provided through an employer or union or purchased by an individual from a private health insurance company. A health maintenance organization (HMO) is considered private health insurance.		5	PHDSC
Medicare Fee-For-Service	Medicare is the Federal program which helps pay health care costs for people 65 and older and for certain people under 65 with long-term disabilities.		1	PHDSC
Medicare Advantage			11200002025	ACC NCDR
Medicaid	Medicaid is a program administered at the state level, which provides medical assistance to the needy. Families with dependent children, the aged, blind, and disabled who are in financial need are eligible for Medicaid. It may be known by different names.		2	PHDSC
Military Health Care	Military Health care - Military health care includes TRICARE/CHAMPUS (Civilian Health and Medical Program of the Uniformed Services) and CHAMPVA (Civilian Health and Medical Program of the Departmen of Veterans Affairs), as well as care provided by the Department of Veterans Affairs (VA).	t	31	PHDSC
State-Specific Plan (non- Medicaid)	State Specific Plans - Some states have their own health insurance programs for low-income uninsured individuals. These health plans may be known by different names in different states.		36	PHDSC
Indian Health Service	Indian Health Service (IHS) is a health care program through which the Department of Health and Human Services provides medical assistance to eligible American Indians at IHS facilities. In addition, the IHS helps pay the cost of selected health care services provided at non-HIS facilities.		33	PHDSC
Non-US Insurance	Non-US insurance refers to individuals with a payor that does not originate in the United States.		100000812	ACC NCDR





ection: Episode Inform	hation Parent: Episode of Care	
ement: 12846	Medicare Beneficiary Identifier	Technical Specification
Coding Instruction:	Indicate the patient's Medicare Beneficiary Identifier (MBI). Note(s): Enter the Medicare Beneficiary Identifier (MBI) for those patients insured by Medicare. Patients without Medicare will not have a MBI.	Code: 2.16.840.1.113883.4.927 Code System Center for medicare and Name: medicaid services, MBI Short Name: MBI Missing Data: Report
Target Value:	The value on arrival at this facility	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Supporting Definition:	Medicare Beneficiary Identifier The Medicare Access and CHIP Reauthorization Act (MACRA) of 2015, requires us to remove Social Security Numbers (SSNs) from all Medicare cards by April 2019. A new Medicare Beneficiary Identifier (MBI) will replace the SSN-based Health Insurance Claim Number (HICN) on the new Medicare cards for Medicare transactions like billing, eligibility status, and claim status. Source: https://www.cms.gov/Medicare/New-Medicare-Card/index.html	Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 11 Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
		Valid Range: Data Source: User
ement: 13803	Residence	Code: 112000001506
Coding Instruction:	Indicate the primary residence of the patient prior to arrival. If the primary residence is not available, code not documented.	Code System Name:
Target Value:	The value on arrival at this facility	Short Name: Residence Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Default Value: Null Usual Range: Valid Range: Data Source: User
		Parent/Child Validation
		Element: 13804 Residence Not Documented

Residence - 1.3.6.1.4.1.19376.1.4.1.6.5.562

Selection	Definition	Source	Code	Code System Name
Home with No Health Aid	The patient lives at home with no health-aid (this includes living in senior living facilities with no assistance).		112000001507	ACC NCDR
Home with Health Aid	The patient lives at home with health-aid (this includes living in senior living facilities with assistance).		112000001508	ACC NCDR
Long Term Care	The patient lives in a long-term care facility that provides the person's health or personal care needs during a short or long period of time.	National Institute of Aging at the National Institutes of Health	42665001	SNOMED CT
Other			100000351	ACC NCDR





Section: Episode Inform	ation Parent: Episode of Care		
Element: 13804	Residence Not Documented	Technic	al Specification
Coding Instruction:	Indicate if the primary residence of the patient prior to arrival was not documented.		112000001506
-		Code System Name:	
Target Value:	N/A		ResidenceND
		Missing Data:	
		-	Yes (BDS, TAVR, TMVR,
			TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	
		Data Type:	
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
		Taabair	al Specification
Element: 3020	Patient Enrolled in Research Study	Code:	tal Specification
Coding Instruction:	Indicate if the patient is enrolled in an ongoing ACC - NCDR research study related to this	Code System Name:	
	registry.		
Target Value:	Any occurrence between arrival at this facility and discharge		EnrolledStudy
Supporting Definition:	Patient Enrolled in Research Study	Missing Data:	
	A clinical or research study is one in which participants are assigned to receive one or more	Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
	interventions (or no intervention) so that researchers can evaluate the effects of the	Is Identifier:	
	interventions on biomedical or health-related outcomes. The assignments are determined by the	Is Base Element:	
	study protocol. Participants may receive diagnostic, therapeutic, or other types of interventions.	Is Followup	No
	Source: Clinicaltrials.gov Glossary of Common Site Terms retrieved from	Element:	
	http://clinicaltrials.gov/ct2/about-studies/glossary#interventional-study	Data Type:	BL
	· · · · · · · · · · · · · · · · · · ·	Precision:	0
		Selection Type: Unit of Measure:	Single
		Default Value:	Null
		Usual Range:	INUII
		Valid Range:	
		Data Source:	
		•	
Element: 3035	Patient Restriction	Technic	al Specification
Coding Instruction:	Indicate if the patient requested for their information not to be used for any research or studies	Code:	100000922
eeung menuenen	for the associated episode of care.	Code System Name:	ACC NCDR
		Short Name:	
	Note(s):	Missing Data:	
	Documentation must be found in the patient record to support the request of removal of their information.	-	Yes (TAVR, TMVR, TMVrp
			TTVP)
Target Value:	The value on arrival at this facility	Is Identifier:	No
		Is Base Element:	
		Is Followup	No
		Element:	
		Data Type: Precision:	
			Single
		Selection Type: Unit of Measure:	-
		Selection Type:	-
		Selection Type: Unit of Measure:	Null
		Selection Type: Unit of Measure: Default Value:	Null



Tricuspid Valve Procedure

A TVT Pathway where the patient underwent a

transcatheter tricuspid valve repair or replacement procedure during the current episode of care.

Section: Episode Information

Parent: Episode of Care



Element: 13171 TVT Pathway **Technical Specification** Code: 112000001167 Coding Instruction: Indicate all TVT Registry procedures performed during this episode of care. Code System ACC NCDR Name: Target Value: The value between arrival at this facility and discharge Short Name: TVTPathway Missing Data: Illegal Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Transcatheter Valve Therapy Pathway - 1.3.6.1.4.1.19376.1.4.1.6.5.450 Selection Definition Source Code Code System Name TAVR A TVT pathway where the patient underwent a 112000001168 ACC NCDR transcatheter aortic valve replacement during the current episode of care. TMVr 112000001169 ACC NCDR A TVT Pathway where the patient underwent a transcatheter mitral valve repair during the current episode of care. A TVT Pathway where the patient underwent a TMVR 112000001170 ACC NCDR transcatheter mitral valve replacement during the current episode of care.

ACC NCDR

112000001171





Section: Admitting Prov	iders Parent: Episode Information		
Element: 3050	Admitting Provider Last Name	Technic	al Specification
Coding Instruction:	Indicate the last name of the admitting provider.		1000142451
-		Code System Name:	ACC NCDR
	Note(s):	Short Name:	AdmLName
	If the name exceeds 50 characters, enter the first 50 characters only.	Missing Data:	Report
	The completion of this data element is voluntary and at the discretion of your facility. NCDR will	Harvested:	Yes (TAVR, TMVR, TMVrpr
	use the data to provide reporting at the physician level, which may assist physicians with		TTVP)
	demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Is Identifier:	
	Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Base Element:	
	record.	Is Followup Element:	No
Target Value:	The value on arrival at this facility	Data Type:	LN
rarget value.		Precision:	50
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	Llaar
		Data Source:	User
Element: 3051	Admitting Provider First Name	Technic	al Specification
		Code:	1000142451
Coding Instruction:	Indicate the first name of the admitting provider.	Code System Name:	ACC NCDR
	Note(s):		
	If the name exceeds 50 characters, enter the first 50 characters only.	Short Name:	
	The completion of this data element is volunteer, and at the discretion of your facility. NCDD will	Missing Data:	Yes (TAVR, TMVR, TMVrpr
	The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with	That vested.	TTVP)
	demonstrating value based care as well as support your facility's engagement in quality	Is Identifier:	No
	improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Is Base Element:	Yes
	Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Followup	No
	record.	Element:	
Target Value:	The value on arrival at this facility	Data Type:	
		Precision: Selection Type:	
		Unit of Measure:	Single
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
lement: 3052	Admitting Provider Middle Name		al Specification
Coding Instruction:	Indicate the middle name of the admitting provider.	Code System	1000142401
	Nata (a).	Name:	ACC NCDR
	Note(s): It is acceptable to specify the middle initial.	Short Name:	AdmMName
		Missing Data:	Report
		Harvested:	Yes (TAVR, TMVR, TMVrpr TTVP)
	If there is no middle name given, leave field blank.		
	If there is no middle name given, leave field blank. If there are multiple middle names, enter all of the middle names sequentially.	Is Identifier:	No
		Is Base Element:	No Yes
	If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only.		No Yes
	If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will	Is Base Element: Is Followup	No Yes No
	If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only.	Is Base Element: Is Followup Element: Data Type: Precision:	No Yes No MN 50
	If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	No Yes No MN 50
	If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	No Yes No MN 50 Single
	If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	No Yes No MN 50 Single
Target Value:	If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	No Yes No MN 50 Single



Element: 3053

Full Specifications **Data Dictionary v3.0**



Section: Admitting Providers

Parent: Episode Information

Admitting Provider NPI

Coding Instruction: Indicate the National Provider Identifier (NPI) of the provider that admitted the patient. NPI's, assigned by the Centers for Medicare and Medicaid Services (CMS), are used to uniquely identify physicians for Medicare billing purposes.

Note(s):

The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning Admitting, Attending, and Discharging Provider roles, as supported by the patient medical record.

Target Value: The value on arrival at this facility

Technical Specification Code: 1000142451 Code System Name: ACC NCDR Short Name: AdmNPI Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: NUM Precision: 10 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





Section: Attending Provi	iders Parent: Episode Information		
lement: 3055	Attending Provider Last Name	Technic	al Specification
Coding Instruction:	Indicate the last name of the attending provider.	Code: Code System	1000142452
		Name:	
	Note(s): If the name exceeds 50 characters, enter the first 50 characters only.	Short Name:	AttLName
		Missing Data:	Report
	The completion of this data element is voluntary and at the discretion of your facility. NCDR will	Harvested:	Yes (TAVR, TMVR, TMVrpr
	use the data to provide reporting at the physician level, which may assist physicians with		TTVP)
	demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Is Identifier:	
	Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Base Element:	
	record.	Is Followup Element:	
Target Value:	All values between arrival at this facility and discharge	Data Type:	LN
Target Value.		Precision:	50
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
	I	Data Source:	User
lement: 3056	Attending Provider First Name	Technic	al Specification
		Code:	1000142452
Coding Instruction:	Indicate the first name of the attending provider.	Code System Name:	ACC NCDR
	Note(s):		
	If the name exceeds 50 characters, enter the first 50 characters only.	Short Name:	
		Missing Data:	•
	The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with	Harvested:	Yes (TAVR, TMVR, TMVrpr TTVP)
	demonstrating value based care as well as support your facility's engagement in quality	Is Identifier:	,
	improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Is Base Element:	Yes
	Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Followup	No
	record.	Element:	INU
Target Value:	All values between arrival at this facility and discharge	Data Type:	
Vendor Instruction:	An Attending Provider - combination First Name (3056), Last Name (3055) and NPI (3058) - may	Precision:	
	only be entered/selected once	Selection Type:	-
		Unit of Measure: Default Value:	
		Usual Range:	
		Valid Range:	
		Data Source:	
lement: 3057	Attending Provider Middle Name	Technic	cal Specification
		Code:	1000142452
	Attending Provider Middle Name Indicate the middle name of the attending provider.	Code: Code System	1000142452
Coding Instruction:		Code: Code System Name:	1000142452 ACC NCDR
	Indicate the middle name of the attending provider.	Code: Code System Name: Short Name:	1000142452 ACC NCDR AttMName
	Indicate the middle name of the attending provider. Note(s):	Code: Code System Name: Short Name: Missing Data:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpt
	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpt TTVP) No
	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial. If there is no middle name given, leave field blank.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes
	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial. If there is no middle name given, leave field blank. If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpt TTVP) No Yes
	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial. If there is no middle name given, leave field blank. If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrp TTVP) No Yes No
	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial. If there is no middle name given, leave field blank. If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed,	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpt TTVP) No Yes No MN
	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial. If there is no middle name given, leave field blank. If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes No MN 50
Coding Instruction:	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial. If there is no middle name given, leave field blank. If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning Admitting, Attending, and Discharging Provider roles, as supported by the patient medical record.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes No MN 50 Single
Coding Instruction:	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial. If there is no middle name given, leave field blank. If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning Admitting, Attending, and	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpt TTVP) No Yes No MN 50 Single Null
Coding Instruction:	Indicate the middle name of the attending provider. Note(s): It is acceptable to specify the middle initial. If there is no middle name given, leave field blank. If there are multiple middle names, enter all of the middle names sequentially. If the name exceeds 50 characters, enter the first 50 letters only. The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning Admitting, Attending, and Discharging Provider roles, as supported by the patient medical record.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	1000142452 ACC NCDR AttMName Report Yes (TAVR, TMVR, TMVrpt TTVP) No Yes No MN 50 Single Null





Section: Attending Providers

Parent: Episode Information

Element: 3058 Attending Provider NPI

Coding Instruction: Indicate the National Provider Identifier (NPI) of the provider that will be listed as the physician of record during the hospitalization. NPI's, assigned by the Centers for Medicare and Medicaid Services (CMS), are used to uniquely identify physicians for Medicare billing purposes.

Note(s):

The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning Admitting, Attending, and Discharging Provider roles, as supported by the patient medical record.

Target Value: All values between arrival at this facility and discharge

Technic	al Specification
Code:	1000142452
Code System Name:	ACC NCDR
Short Name:	AttNPI
Missing Data:	Report
Harvested:	Yes (TAVR, TMVR, TMVrpr, TTVP)
Is Identifier:	No
Is Base Element:	Yes
Is Followup Element:	No
Data Type:	NUM
Precision:	10
Selection Type:	Single
Unit of Measure:	
Default Value:	Null
Usual Range:	
Valid Range:	
Data Source:	User





Element: 3025	Research Study Name	Technical Specification
Coding Instruction:	Indicate the research study name as provided by the research study protocol.	Code: 100001096
Ū		Code System Name: ACC NCDR
	Note(s): If the patient is in more than one research study, list each separately.	Short Name: StudyName
		Missing Data: Report
Target Value:	N/A	Harvested: Yes (TAVR, TMVR, TMVrpr,
Vendor Instruction:	Research Study Name (3025) must be a valid study name for TVT 3.0	TTVP) Is Identifier: No
	A Research Study Name (3025) may only be entered/selected once	Is Base Element: Yes
		Is Followup
	When Patient Enrolled in Research Study (3020) is 'Yes' Research Study Name (3025) cannot	Element.
	be Null	Data Type: ST
		Precision: 50
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation Element: 3020 Patient Enrolled in Research Stud
		Operator: Equal
		Value: Yes
		'
lement: 3030	Research Study Patient ID	Technical Specification
Coding Instruction	Indicate the research study actions identification number on acciment by the research protocol	Code: 2.16.840.1.113883.3.3478.4.8
coung instruction:	Indicate the research study patient identification number as assigned by the research protocol.	Code System Name:
		Name:
	Note(s): If the natient is in more than one research study, list each separately	Short Name: StudyPtID
	If the patient is in more than one research study, list each separately.	
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr,
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 50
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 50 Selection Type: Single
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 50 Selection Type: Single Unit of Measure:
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 50 Selection Type: Single Unit of Measure: Default Value: Null
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: ST Precision: 50 Selection Type: Single Unit of Measure: Default Value: Dusual Range: Null
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup No Data Type: ST Precision: 50 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range:
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: ST Precision: 50 Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User
Target Value:	If the patient is in more than one research study, list each separately.	Short Name: StudyPtID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 50 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation





Element: 6000	Height		cal Specification
Coding Instruction:	Indicate the patient's height in centimeters.	Code: Code System Name:	8302-2
Target Value:	The last value prior to the start of the first procedure	Name	LOINC
. a. get talaet		Short Name:	: Height
		Missing Data:	Report
		Harvested:	Yes (BDS, TAVR, TMVR
		la bian differen	TMVrpr, TTVP)
		Is Identifier: Is Base Element:	
		Is Followup Element:	No
		Data Type:	
		Precision	
		Selection Type:	: Single
		Unit of Measure:	: cm
		Default Value:	: Null
		-	: 100.00 - 225.00 cm
		-	: 20.00 - 260.00 cm
		Data Source:	User
		Testat	
Element: 6005	Weight		cal Specification
Coding Instruction:	Indicate the patient's weight in kilograms.	Code System	
Target Value:	The last value prior to the start of the first procedure	Name	LOINC
		Short Name:	: Weight
		Missing Data:	Report
		Harvested	: Yes (BDS, TAVR, TMVR TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	No
		Data Type: Precision:	
		Selection Type:	
		Unit of Measure:	-
		Default Value:	•
			40.00 - 200.00 kg
		-	: 10.00 - 700.00 kg
		Data Source:	
Element: 13697	Number of Prior Open Heart Cardiac Surgeries	Techni	cal Specification
Coding Instruction:	Indicate the number of open heart cardiac surgeries the patient has had prior to this		: 112000001411
coung instruction.	procedure. This includes open heart coronary artery bypass, or valve replacement/repairs.	Code System Name:	ACC NCDR
	······································		
	Note: If the patient had more than 4 open heart procedures and the total number is not known,		NumPrevCardSurg
	code 4 prior open heart surgeries.	Missing Data: Harvested	: кероп : Yes (BDS, TAVR, TMVR
Target Value:	Any occurrence between birth and start of the current procedure	nai vesteu:	TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	No
		Data Type:	
		Precision:	
		Selection Type:	-
		Unit of Measure:	
		Default Value:	Null
			Null





Section: History and Ris	k Factors Parent: Root	
Element: 13707	Heart Failure Hospitalization Within Past Year	Technical Specification
Coding Instruction:	Indicate if the patient has been admitted to the hospital for an inpatient admission with a diagnosis of heart failure within the past year.	Code: 112000001855 Code System Name:
Target Value:	Any occurrence between 1 year prior to arrival at this facility and arrival at this facility	Short Name: PriorHFAdmit1Year Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
		Valid Range: Data Source: User Parent/Child Validation Element: 14253 Heart Failure Hospitalization within Past Year Not Documented
3oolean w/Unknown - 1.3.6.1.4	4.1.19376.1.4.1.6.5.444	Operator: Equal Value: No (or Not Answered)
Selection [Definition Source	Code Code System Na
No Yes		100013073 ACC NO 100013072 ACC NO
Element: 14253 Coding Instruction:	Heart Failure Hospitalization within Past Year Not Documented Indicate if an inpatient admission with a diagnosis of heart failure within the past year was not	Technical Specification Code: 112000001855
Target Value:	documented. N/A	Code System Name: Short Name: PriorHFAdmit1YearND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
		Data Type: BL Precision:

Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





		Technical Operities
Element: 13172	Anticipated Life Expectancy of Less than 1 Year	Technical Specification
Coding Instruction:	Indicate if there is physician documentation of the patient's anticipated life expectancy being less than one year, based on comorbidities and other factors not related to the aortic stenosis (factors that would not be expected to be favorably altered by valve replacement).	Name:
Target Value:	The value on start of current procedure	Short Name: LifeLessThan1yr Missing Data: Report
Target Value.		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Is Followup Element:
		Data Type: CD Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation Element: 13171 TVT Pathway
		Operator: Equal
		Value: TAVR
		AND
		Element: 14454 Anticipated Life Expectancy of
		Less than 1 Year Not Documented
		Operator: Equal
Boolean w/Unknown - 1.3.6.1.4		Operator: Equal Value: No (or Not Answered)
Selection [4.1.19376.1.4.1.6.5.444 Definition Source	Operator: Equal Value: No (or Not Answered) Code Code System Nat
		Operator: Equal Value: No (or Not Answered)
election I o es	Definition Source	Operator: Equal Value: No (or Not Answered) Code System Nat 100013073 ACC NC 100013072 ACC NC
ielection [lo 'es		Operator: Equal Value: No (or Not Answered) Code Code System Nat 100013073 ACC NC 100013072 ACC NC Technical Specification
election [o es Element: 14454	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir	Operator: Equal Value: No (or Not Answered) Code System National System Natio
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System National Code 100013073 ACC NC ACC NC Technical Specification Code: 11200001172 Code System Name: ACC NCDR
ielection [lo 'es Element: 14454	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System National Code System National 100013073 ACC NC Technical Specification Code System Code: 11200001172 Code System Name: Short Name: LifeLessThan1yrND
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System National 100013073 100013073 ACC NC ACC NC Technical Specification Code System Name: ACC NCDR Name: Short Name: LifeLessThan1yrND Missing Data:
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nat 100013073 ACC NC 100013072 ACC NC Technical Specification Code System Name: ACC NCDR Short Name: ACC NCDR Short Name: LifeLessThan1yrND Missing Data: Report Harvested:
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System National 100013073 100013073 ACC NC ACC NC Technical Specification Code System Name: ACC NCDR Name: Short Name: LifeLessThan1yrND Missing Data:
Selection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 100013073 ACC NC 100013072 ACC NC Technical Specification Code System ACC NCDR Name: ACC NCDR Short Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Followup No
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 100013073 ACC NC 100013072 ACC NC Technical Specification Code: 112000001172 Og Code System Nare: ACC NCDR Nare: Short Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Followup No
election [o es Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 100013073 ACC NC 100013072 ACC NC ACC NC Technical Specification Code: 11200001172 Code System Name: ACC NCDR Name: Short Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Followup Element: No Data Type: BL
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 100013073 ACC NC 100013072 ACC NC Technical Specification Code: 112000001172 Code System ACC NCDR Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Precision:
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 100013073 ACC NC 100013072 ACC NC Technical Specification Code: 112000001172 Code System ACC NCDR Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type:
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 100013073 ACC NC 100013072 ACC NC Technical Specification Code: 112000001172 Code System ACC NCDR Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Precision:
Selection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 100013073 ACC NC 100013072 ACC NC Technical Specification Code: 11200001172 Code System ACC NCDR Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
ielection [] lo Yes Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nat 100013073 ACC NC 100013072 ACC NC Technical Specification Code: 112000001172 Code System Name: ACC NCDR Short Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
election [o es Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nation 100013073 100013073 ACC NC 100013072 ACC NC Technical Specification Code System Nation ACC NC 100013072 ACC NC 100013072 ACC NC 100013072 ACC NCDR Name: Name: Short Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Null
election [o es Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 100013073 ACC NC 100013072 ACC NC ACC NC Technical Specification Code: 112000001172 Code System Name: ACC NCDR ACC NCDR Short Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Element: Yes Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User
election [o es Element: 14454 Coding Instruction:	Source Anticipated Life Expectancy of Less than 1 Year Not Documented Indicate if there is no physician documentation of the patient's anticipated life expectancy beir less than one year.	Operator: Equal Value: No (or Not Answered) Code Code System Na 100013073 ACC NO 100013072 ACC NO Technical Specification Code: 11200001172 Og Code: 112000001172 Code System Name: ACC NCDR Short Name: LifeLessThan1yrND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





Section: History and Ris	k Factors Parent: Root		
Element: 13881	Oxygen at Home	Technie	cal Specification
	Indicate whether patient uses supplemental oxygen at home.	Code:	268512000
-		Code System Name:	SNOMED CT
Target Value:	The value on arrival at this facility		
		Short Name: Missing Data:	
		-	Yes (BDS, TAVR, TMVR,
			TMVrpr, TTVP)
		Is Identifier:	No
		Is Base Element:	Yes
		Is Followup	No
		Element:	
		Data Type:	
		Precision: Selection Type:	
		Unit of Measure:	-
		Default Value:	
		Usual Range:	
		Valid Range:	
		Data Source:	User
		-	
Element: 13882	Immunocompromise Present	Technie	cal Specification
Codina Instantion.		Code:	370388006
Coding Instruction:	Indicate whether immunocompromise is present due to immunosuppressive medication therapy or an existing medical condition. This includes, but is not limited to systemic steroid therapy, anti	Code System Name:	SNOMED CT
	-rejection medications and chemotherapy. This does not include to systemic service applications,		
	one time systemic therapy, inhaled steroid therapy or preprocedure protocol.	Short Name:	
Target Value:	The last value on start of the first procedure	Missing Data:	
			Yes (TAVR, TMVR, TMVrp TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	No
		Data Type:	
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
Element: 13880	Currently on Dialysis		cal Specification
Coding Instruction:	Indicate if the patient is currently undergoing either hemodialysis or peritoneal dialysis on an		108241001
-	ongoing basis as a result of renal failure.	Code System Name:	SNOMED CT
			CurrentlyonDialysis
	Note(s): If a patient is receiving continuous veno-venous hemofiltration (CVVH) as a result of renal	Missing Data:	
	failure (and not as treatment to remove fluid for heart failure), code 'Yes'.	-	Yes (BDS, TAVR, TMVR,
Target Value:	The last value on start of the first procedure	la bia a differen	TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	No
		Data Type:	
		Precision:	
		Precision: Selection Type:	
			Single
		Selection Type:	Single
		Selection Type: Unit of Measure:	Single Null
		Selection Type: Unit of Measure: Default Value:	Single Null





lement: 4625	Tobacco Use	Technic	al Specification
O a dia a la stansition	the Production of the Construction of the Construction of the Second		110483000
Coding instruction:	Indicate the frequency that the patient uses tobacco.	Code System Name:	SNOMED CT
	Note(s): Consider use of any tobacco product as equivalent to a ci definitions.	garette for referenced Short Name:	TobaccoUse
		Missing Data:	Report
			Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Target Value:	The value on arrival at this facility	Is Identifier:	No
		Is Base Element:	
		Is Followup Element:	No
		Data Type:	CD
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User

Selection	Definition	Source	Code	Code System Name
Never	An individual who has not smoked 100 or more cigarettes during his/her lifetime.	The Office of the National Coordinator for Health Information Technology 2014 Edition Test Procedure for §170.314.a.11.Smoking status	266919005	SNOMED CT
Former	An individual who has smoked at least 100 cigarettes during his/her lifetime but does not currently smoke.		8517006	SNOMED CT
Current - Every Day	An individual who has smoked at least 100 cigarettes during his/her lifetime and still regularly smokes every day.		449868002	SNOMED CT
Current - Some Days	An individual who has smoked at least 100 cigarettes during his/her lifetime and still regularly smokes periodically (not every day), yet consistently.		428041000124106	SNOMED CT
Smoker - Current Status Unknown	An individual known to have smoked at least 100 cigarettes in the past, but whether they currently still smoke is unknown.		77176002	SNOMED CT
Unknown if ever smoked	An individual whose current and prior smoking status is not known.		266927001	SNOMED CT





Section: History and Ris	K Factors	Parent: Root	
Element: 4626	Tobacco Type		Technical Specification
Coding Instruction:	Indicate all the tobacco type(s) reported by the patient.		Code: 266918002
-			Code System Name: SNOMED CT
l'arget value:	The value on arrival at this facility		Short Name: TobaccoType
			Missing Data: Report
			Harvested: Yes (TAVR, TMVR, TMVr, TTVP)
			Is Identifier: No
			Is Base Element: Yes
			Is Followup Element:
			Data Type: CD
			Precision:
			Selection Type: Multiple
			Unit of Measure: Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 4625 Tobacco Use
			Operator: Equal
			Value: Current - Every Day
			Element: 4625 Tobacco Use
		l l	Operator: Equal Value: Current - Some Days
			Element: 4625 Tobacco Use
			Operator: Equal
			Value: Smoker - Current Status Unknown
Гоbассо Туре			
	Definition So	Irce	Code Code System
ligarettes			65568007 SNOM

Selection	Definition	Source	Code	Code System Name
Cigarettes			65568007	SNOMED CT
Cigars			59978006	SNOMED CT
Pipe			82302008	SNOMED CT
Smokeless			713914004	SNOMED CT





Element: 4627	Smoking Amount	Technical Specification
Coding Instruction	: Indicate the amount of cigarette smoking reported by the patie	Code: 100001256
-		nt. Code System ACC NCDR Name:
larget Value	: The value on arrival at this facility	Short Name: SmokeAmount
		Missing Data: Report
		Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation Element: 4625 Tobacco Use
		Operator: Equal
		Value: Current - Every Day
		AND
		Element: 4626 Tobacco Type
		Operator: Equal
		Value: Cigarettes
obacco Amount - 1.3.6.1.4.1	.19376.1.4.1.6.5.457	
	Definition Source	Code Code System Na
ight tobacco use (<10/day)	The patient smokes less than 10 cigarettes daily.	428061000124105 SNOMED

Selection	Definition	Source	Code	Code System Name
Light tobacco use (<10/day)	The patient smokes less than 10 cigarettes daily.		428061000124105	SNOMED CT
Heavy tobacco use (>= 10/day)	The patient smokes 10 or more cigarettes daily.		428071000124103	SNOMED CT





Element: 12297	Home Medication Code		Techn	ical Sp	ecification
Coding Instruction	Indicate the medication the patient has been taking routinely at home prior to this	hoopitalization	Code	: 100013	3057
-		nospitalization.	Code Syster Name	ACC N	CDR
Target Value:			Short Name		
Vendor Instruction:	When a Home Medication Code (12297) is selected then Home Medication Presc must not be Null	ribed (13903)	Missing Data	: Report	
			Harvested	I: Yes (B TTVP)	DS, TMVR, TMVrpr,
			Is Identifie	: No	
			Is Base Element		
			ls Followu Elemen	n No	
			Data Type		
			Precision		
			Selection Type	•	(Dynamic List)
			Unit of Measure		
			Default Value		
			Usual Range		
			Valid Range Data Source		
					Validation
			Element: 13171	TVT Pat	hway
		ľ	Operator: Equal Value: TMVr		
			Element: 13171	TVT Pat	hway
			Operator: Equal		
			Value: TMVR		
			Element: 13171	TVT Pat	hway
			Operator: Equal		
			Value: Tricuspic	l Valve Pi	rocedure
Home Medications - 2.16.840.1 Selection	l.113883.3.3478.6.5.302 Definition Source			Code	Code System Nam
Angiotensin Converting Enzyme Inhibitor			41	549009	SNOMED C
Aldosterone Antagonist			372	603003	SNOMED (
Angiotensin Receptor-			112000	001832	ACC NCD

/ additioned / anagonited	012000000	ONONIED OF
Angiotensin Receptor-	11200001832	ACC NCDR
Neprilysin Inhibitor		
Anticoagulant	112000001416	ACC NCDR
Aspirin	1191	RxNorm
Angiotensin II Receptor Blocker	372913009	SNOMED CT
Beta Blocker	33252009	SNOMED CT
Diuretics Not Otherwise	112000001417	ACC NCDR
Specified		
Loop Diuretics	29051009	SNOMED CT
Thiazides	372747003	SNOMED CT
P2Y12 Antagonist	11200001003	ACC NCDR
Selective Sinus Node I/f	112000001831	ACC NCDR
Channel Inhibitor		





Section: Home Medicati	ons Parent: History and Risk Fa	tory and Risk Factors		
Element: 13903	Home Medication Prescribed	Technical Specification		
	Indicate whether the patient received the medication at home prior to this hospitalization.	Code: 33633005		
-		Code System Name: SNOMED CT		
Target Value:	The value on arrival at this facility	Short Name: PriorMedAdmin_Hom		
		Missing Data: Report		
		Harvested: Yes (BDS, TMVR, TMVrpr,		
		TTVP)		
		Is Identifier: No		
		Is Base Element: Yes		
		Is Followup Element:		
		Data Type: CD		
		Precision:		
		Selection Type: Single		
		Unit of Measure:		
		Default Value: Null		
		Usual Range:		
		Valid Range:		
		Data Source: User		
		Parent/Child Validation		
		Element: 12297 Home Medication Code		
		Operator:		
		Value: Any Value		
Selection D	Definition Source			
Selection C Yes		100001247 ACC NO		
Home Medication Prescribed - Selection E Yes Not Prescribed - No Reason				
Selection C Yes		100001247 ACC NO 100001048 ACC NO Technical Specification ACC NO		
Selection E ('es	Loop Diuretic Dose	100001247 ACC No 100001048 ACC No Technical Specification Code: 112000001975		
Selection E ('es	Definition Source	100001247 ACC No 100001048 ACC No Technical Specification Code: 112000001975		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC N 100001048 ACC N Technical Specification Code: 11200001975 Code System ACC NCDR Name: ACC NCDR		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to	100001247 ACC No 100001048 ACC No Technical Specification Code: 11200001975 Code System Name: ACC NCDR		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC N 100001048 ACC N Technical Specification Code: 11200001975 Code System ACC NCDR Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC N 100001048 ACC N Technical Specification Code: 11200001975 Code System ACC NCDR Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC Net 100001048 ACC Net 100001048 ACC Net Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code: 112000001975 Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC No 100001048 ACC No Technical Specification Code: 11200001975 Code System Name: Code: System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup Element: No		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC Normalize 100001048 ACC Normalize Technical Specification Code: 11200001975 Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup Element: No Data Type: PQ		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NK 100001048 ACC NK 100001048 ACC NK Technical Specification Code: 11200001975 Code: 11200001975 Code: 11200001975 Code: ACC NCDR Name: ACC NCDR Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup No Element: No Data Type: PQ Precision: 3,0		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NK 100001048 ACC NK 100001048 ACC NK Technical Specification Code: 11200001975 Code: 11200001975 Code: 11200001975 Code: ACC NCDR Name: ACC NCDR Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: PQ Precision: 3,0 Selection Type: Single		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NK 100001048 ACC NK 100001048 ACC NK Technical Specification Code: 11200001975 Code: 11200001975 Code: 11200001975 Code: ACC NCDR Name: ACC NCDR Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup No Element: No Data Type: PQ Precision: 3,0		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code: 11200001975 Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Element: Yes Is Followup No Element: 0 Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null		
Selection C Yes Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Element: Yes Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null Usual Range: 1 - 40 mg		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Element: Yes Is Followup No Element: 90 Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null Usual Range: 1 - 40 mg Valid Range: 1 - 300 mg		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Element: Yes Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null Usual Range: 1 - 40 mg Valid Range: 1 - 300 mg Data Source: User		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NK 100001048 ACC NK 100001048 ACC NK Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null Usual Range: 1 - 40 mg Valid Range: 1 - 300 mg Data Source: User		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Element: Yes Is Followup No Element: No Selection Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null Usual Range: 1 - 40 mg Valid Range: 1 - 300 mg Data Source: User Parent/Child Validation Element: 12297		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Element: Yes Is Followup No Element: No Selection Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null Usual Range: 1 - 40 mg Valid Range: 1 - 300 mg Data Source: User Parent/Child Validation Element: 12297 Home Medication Code Operator: Equal Value: Value: Loop Diuretics		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Element: Yes Is Followup No Element: No Selection Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null Usual Range: 1 - 40 mg Valid Range: 1 - 300 mg Data Source: User Parent/Child Validation Element: 12297 Home Medication Code Operator: Equal Value: Loop Diuretics Value:		
Selection C (es Not Prescribed - No Reason Element: 14575 Coding Instruction:	Source Loop Diuretic Dose Specify the total daily dose of the loop diuretic the patient was taking routinely at home prior to this hospitalization.	100001247 ACC NG 100001048 ACC NG Technical Specification Code System Name: ACC NCDR Short Name: HomeMed_LoopDiureticDose Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Element: Yes Is Followup No Element: No Selection Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mg Default Value: Null Usual Range: 1 - 40 mg Valid Range: 1 - 300 mg Data Source: User Parent/Child Validation Element: 12297 Home Medication Code Operator: Equal Value: Loop Diuretics AND		





Section: Condition Histo		Parent: History and Risk Fa		
Element: 12903	Condition History Name		Technical Specific	ation
Coding Instruction: Target Value:	The list of medical conditions from which the particular N/A	atient's history is to be determined.	Code: 312850006 Code System Name: SNOMED CT Short Name: ConditionHx Missing Data: Report Harvested: Yes (BDS, T/ TMVrpr, TTV Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User	
Condition History Name - 1.3.6 Selection Defi	5.1.4.1.19376.1.4.1.6.5.340	Source	Code Co	de System Nam
unce ineff elec inter pres 2) al irreg		January CT, Wann LS, et al. 2014 AHA/ACC/HRS the Management of Patients With Atrial Fibrillatio the American College of Cardiology/American He Task Force on Practice Guidelines and the Heart Society. JACC Vol 64, #21, 2014.	n: A Report of eart Association	SNOMED C
atria Atrial Flutter	l activity.		5370000	SNOMED C
Cardiomyopathy			85898001	SNOMED C
5	en one or both carotid arteries was determined any diagnostic test to have >= 50% stenosis.	Society for Thoracic Surgeons (STS)	64586002	SNOMED C
dysf vasc infar	acute episode of focal or global neurological unction caused by brain, spinal cord, or retinal cular injury as a result of hemorrhage or rction, where the neurological dysfunction lasts greater than 24 hours.	Society for Thoracic Surgeons (STS)	230690007	SNOMED C
follo A. S glob spin hem dysf B. T neu cord whe with C. N dem extra D. V inter with dise E. P reva srev reva reva reva reva reva reva	ebrovascular disease includes any of the wing: troke: Stroke is an acute episode of focal or al neurological dysfunction caused by brain, al cord, or retinal vascular injury as a result of iorrhage or infarction, where the neurological unction lasts for greater than 24 hours. IA: is defined as a transient episode of focal rological dysfunction caused by brain, spinal I, or retinal ischemia, without acute infarction, re the neurological dysfunction resolves in 24 hours. Ioninvasive or invasive arterial imaging test ionstrating >=50% stenosis of any of the major acranial or intracranial vessels to the brain. ertebral artery and internal carotid and cranial consistent with atherosclerotic disease document presence as CVD. External carotid ase is excluded. revious cervical or cerebral artery iscularization surgery or percutaneous vention. rain/cerebral aneurysm. Doclusion of veterbral artery, internal carotid	Society for Thoracic Surgeons (STS)	62914000	SNOMED C

Chronic Lung Disease

Chronic lung disease can include patients with

ACC/AHA Key Data Elements and Definitions for Measuring the 413839001 SNOMED CT Effective for Patient Discharged January 01, 2021





Section: Condition	History	Parent: History and Risk Factors		
	chronic obstructive pulmonary disease, chronic bronchitis, or emphysema. It can also include a patient who is currently being chronically treated with inhaled or oral pharmacological therapy (e.g., beta-adrenergic agonist, anti-inflammatory agent, leukotriene receptor antagonist, or steroid). Patients with asthma or seasonal allergies are not considered to have chronic lung disease.	Clinical Management and Outcomes of Patients With Chronic Heart Failure Circulation. 2005;112:1888-1916		
Conduction Defect	Conduction disorder as evidenced by a right or left bundle branch block, sick sinus syndrome, or first, second or third degree heart block on ECG.		44808001	SNOMED CT
COVID-19 Positive	The patient had a diagnosis of COVID-19, confirmed with a laboratory performed polymerase chain reaction (PCR) test.		112000001982	ACC NCDR
	Notes: It is acceptable to code the diagnosis of COVID-19 based on testing that was NOT performed at your facility if it is accompanied by appropriate documentation in the medical record by the provider.			
	Code no if documentation ONLY included antibody testing (IgG).			
Dementia - Moderate to Severe	Patients with moderate dementia (also termed moderate or severe cognitive decline) are typically oriented to person but not place and time. They are patients who need assistance with activities of daily living.	/	112000001493	ACC NCDR
Diabetes Mellitus	The American Diabetes Association criteria include documentation of the following:	American Diabetes Association Care. 2017;40 Suppl 1:S13.	73211009	SNOMED CT
Endocarditis	 FPG >=126 mg/dL (7.0 mmol/L). Fasting is defined as no caloric intake for at least 8 h. OR 2. 2-h PG >=200 mg/dL (11.1 mmol/L) during an OGTT. The test should be performed as described by the WHO, using a glucose load containing the equivalent of 75 g anhydrous glucose dissolved in water. OR A1C >=6.5% (48 mmol/mol). The test should be performed in a laboratory using a method that is NGSP certified and standardized to the DCCT assay OR In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose >=200 mg/dL (11.1 mmol/L). Endocarditis must meet the current CDC definition: 		56819008	SNOMED CT
	Endocarditis must meet at least 1 of the following criteria: 1. Patient has organisms cultured from valve or vegetation. 2. Patient has 2 or more of the following signs or symptoms: fever (>38°C), new or changing murmur*, embolic phenomena*, skin manifestations* (i.e., petechiae, splinter hemorrhages, painful subcutaneous nodules), congestive heart failure*, or cardiac conduction abnormality* * With no other recognized cause and at least 1 of the following: 1) Organisms cultured from 2 or more blood cultures 2) Organisms seen on Gram's stain of valve when culture is negative or not done 3) Valvular vegetation seen during an invasive procedure or autopsy 4) Positive laboratory test on blood or urine (e.g., antigen tests for H influenzae, S pneumoniae, N meningitidis, or Group B Streptococcus) 5) Evidence of new vegetation seen on echocardiogram and if diagnosis is made antemortem, physician institutes appropriate antimicrobial therapy.			
	Notes: 1. Choose "Yes" for patients with pre-operative endocarditis who begin antibiotics post-op.			





Section: Condition I	History	Parent: History and Risk Factors		
	 Code "Yes" for patients who are diagnosed intraoperatively. Marantic Endocarditis (Nonbacterial Thrombotic Endocarditis) (Lupus) should not be coded as infectious endocarditis. 			
Heart Failure	Heart failure is a complex clinical syndrome that results from any structural or functional impairment of ventricular filling or ejection of blood. The cardina manifestations of HF are dyspnea and fatigue, which may limit exercise tolerance, and fluid retention, which may lead to pulmonary and/or splanchnic congestion and/or peripheral edema. Some patients have exercise intolerance but little evidence of fluid retention, whereas others complain primarily of edema, dyspnea, or fatigue. Because some patients present without signs or symptoms of volume overload, the term "heart failure" is preferred over "congestive heart failure." There is no single diagnostic test for HF because it is largely a clinical diagnosis based on a careful history and physical examination.		84114007	SNOMED C
Hostile Chest	A medical condition that precludes an open chest procedure and that is documented in the medical record. This can include any of the following or other reasons that make redo operation through sternotomy or right anterior thoracotomy prohibitively hazardous: 1. Evidence of abnormal chest wall anatomy due to severe kyphoscoliosis or other skeletal abnormalities (including thoracoplasty, Potts' disease, sternal bone destruction, evidence of indetectable plane between posterior sternal table and important mediastinal structures) 2. Complications from prior surgery 3. Prior radiation involving the mediastinum/thoracic, or evidence of severe radiation damage (e.g., skin burns, bone destructure, muscle loss, lung fibrosis or esophageal stricture) 4. History of multiple recurrent pleural effusions causing internal adhesions. 5. Chronic, ongoing open skin defects or extremely severe soft tissue atrophy. 6. Complete absence of reconstructive options based on plastic surgeon consult.		112000001489	ACC NCDF
Hypertension	Hypertension is defined by any one of the following 1. Documentation of hypertension as a medical problem OR	Derived from: 2017 ACC/AHA/AAPA/ABC/ACPM/AGS/APhA/ASH/ASPC/NMA/PCNA Guideline for the Prevention, Detection, Evaluation, and Management of High Blood Pressure in Adults: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. J Am Coll Cardiol 2018;71:e127-e248.	38341003	SNOMED C
Liver Disease	A history of hepatitis B, hepatitis C, drug induced hepatitis, autoimmune hepatitis, cirrhosis, portal hypertension, esophageal varices, liver transplant, or congestive hepatopathy. Exclude NASH in the absence of cirrhosis.	Society for Thoracic Surgeons (STS)	235856003	SNOMED CT
Myocardial Infarction	Prior myocardial infarction is defined by any of the following: 1. Documentation of myocardial infarction (MI) as a medical problem. OR 2. Any one of the following criteria meets the diagnosis for prior (sometimes called silent/unrecognized) MI: a. Abnormal Q waves with or without symptoms in the absence of nonischemic causes. b. Imaging evidence of loss of viable myocardium in a pattern consistent with ischemic etiology. c. Patho-anatomical findings of a prior MI.	Thygesen, K, Alpert, J.S., et al Fourth Universal Definition of Myocardial Infarction (2018), J Am Coll Cardiol. 2018 Oct 30;72 (18):2231-2264	22298006	SNOMED C1
Peripheral Arterial Disease	Current or previous history of peripheral arterial disease (includes subclavian, iliac, femoral, and upper- and lower-extremity vessels; excludes renal coronary, cerebral, and mesenteric vessels and aneurysms). This can include: * Claudication on exertion * Amputation for arterial vascular insufficiency	ACCF/AHA 2011 Key Data Elements and Definitions of a Base Cardiovascular Vocabulary for Electronic Health Records (JACC , 2011;58;202-222)	399957001	SNOMED CT





extremities			
A porcelain aorta is defined as "severe atherosclerosis of the aorta, calcification may be severe and diffuse, causing an eggshell appearance seen on chest x-ray or CT".			ACC NCDR
A transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.	Society for Thoracic Surgeons (STS)	266257000	SNOMED CT
	percutaneous revascularization in the arteries of the extremities * Positive noninvasive test (e.g., ankle brachial index <= 0.9, ultrasound, MR or CT imaging of >50% diameter stenosis in any peripheral artery (i.e., subclavian, femoral, iliac) or angiographic imaging) A porcelain aorta is defined as "severe atherosclerosis of the aorta, calcification may be severe and diffuse, causing an eggshell appearance seen on chest x-ray or CT". A transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the	percutaneous revascularization in the arteries of the extremities * Positive noninvasive test (e.g., ankle brachial index <= 0.9, ultrasound, MR or CT imaging of >50% diameter stenosis in any peripheral artery (i.e., subclavian, femoral, iliac) or angiographic imaging) A porcelain aorta is defined as "severe atherosclerosis of the aorta, calcification may be severe and diffuse, causing an eggshell appearance seen on chest x-ray or CT". A transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the	percutaneous revascularization in the arteries of the extremities * Positive noninvasive test (e.g., ankle brachial index <= 0.9, ultrasound, MR or CT imaging of >50% diameter stenosis in any peripheral artery (i.e., subclavian, femoral, iliac) or angiographic imaging) A porcelain aorta is defined as "severe ACCF/AHA/AATS/ACR/ASA/SCA/SCA/SCA/SIR/STS/SVM Guidelines 112000001175 atherosclerosis of the aorta, calcification may be severe and diffuse, causing an eggshell Aortic Disease (JACC, 2010; 55:27-129) appearance seen on chest x-ray or CT". A transient episode of focal neurological systunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the

Element: 14264 Condition History Occurrence

 Coding Instruction:
 Indicate if the patient does or does not have a history of the indicated medical condition.
 Creation

 Target Value:
 Any occurrence between birth and the first procedure in this admission
 Creation

Technical Specification Code: 312850006 Code System SNOMED CT Name: Short Name: ConditionHxOccurence Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User

Parent/Child Validation

Element: 12903 Condition History Name Operator: Value: Any Value





Section: Condition History Parent: History and Risk Factors Element: 14251 **Technical Specification** Condition History Date Code: 312850006 Code System SNOMED CT Coding Instruction: Indicate the most recent occurrence date for the condition. Note(s): Short Name: CondHistDate If the month or day of the diagnosis is unknown, please code 01/01/YYYY. If the specific year Missing Data: Report is unknown in the current record, the year may be estimated based on timeframes found in Harvested: Yes (TAVR, TMVR, TMVrpr, prior medical record documentation (Example: If the patient had "most recent diagnosis" TTVP) documented in a record from 2011, then the year 2011 can be utilized and coded as Is Identifier: No 01/01/2011). Is Base Element: Yes Target Value: The last value between birth and the first procedure in this admission Is Followup No Vendor Instruction: Condition History Date (14251) must be Less than or Equal to Procedure Start Date and Time Element: (7000) Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12903 Condition History Name Operator: Equal Value: Cerebrovascular Accident Element: 12903 Condition History Name Operator: Equal Value: COVID-19 Positive AND Element: 14264 Condition History Occurrence Operator: Equal Value: Yes





Element: 13179	Atrial Fibrillation Classification	Technical Specification
Coding Instruction	: Indicate the classification of atrial fibrillation.	Code: 10000935 Code System ACC NCDR
Target Value	: The last value within 30 days prior to the first procedure in this admissi	on Name: ACC NCDR
-		Short Name: AFibClassification
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 12903 Condition History Name
		Operator: Equal
		Value: Atrial Fibrillation
		AND
		Element: 14264 Condition History Occurrence
		Operator: Equal
		Value: Yes
Atrial Fibrillation Classificati Selection	on - 1.3.6.1.4.1.19376.1.4.1.6.5.17 Definition Source	Code Code System Nam
Paroxysmal	AF that terminates spontaneously or with intervention	26593000 SNOMED C
	within 7 days of onset. Episodes may recur with variable frequency.	
Persistent	Continuous AF that is sustained >7 days or with	62459000 SNOMED C
Long-standing Persistent	electrical or pharmacological termination. Continuous AF of >12 months duration.	100001029 ACC NCD
Permanent	The term "permanent AF" is used when the patient and	6934004 SNOMED C
reinidheni	clinician make a joint decision to stop further attempts to	0334004 SNOWED C
	restore and/or maintain sinus rhythm.	
	- Acceptance of AF represents a therapeutic attitude	
	on the part of the patient and clinician rather than an	
	inherent pathophysiological attribute of the AF.	
	inherent pathophysiological attribute of the AF. - Acceptance of AF may change as symptoms, the	
	inherent pathophysiological attribute of the AF.	

None

ACC NCDR

100001231





Section: Atrial Fibrillation

Parent: Condition History Details

Element: 14244	Recent Atrial Fibrillation
Coding Instruction:	Indicate if the patient has had atrial fibrillation within the past 30 days.
Target Value:	Any occurrence between 30 days prior to the procedure and the procedure

Technical Specification Code: 112000001790 Code System Name: ACC NCDR Short Name: AFib30days Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation

Element: 13179 Atrial Fibrillation Classification Operator: Equal Value: Paroxysmal Element: 13179 Atrial Fibrillation Classification Operator: Equal Value: Persistent





Section: Atrial Flutter Parent: Condition Histor		tory Details
Element: 14245	Recent Atrial Flutter	Technical Specification
Coding Instruction:	Recent Atrial Flutter Indicate if the patient has had atrial flutter within the past 30 days. Any occurrence between 30 days prior to the procedure and the procedure	Iecnnical Specification Code: 112000001791 Code System Name: ACC NCDR Short Name: AFlutter30days Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrp, TTVP) Is Identifier: Is dentifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Anto Condition History Name Operator: Element: 12903 Condition History Occurrence Operator: Equal Value: AnD





Element: 14265	Current Carotid Artery Stenosis	Technical Specification
Coding Instruction:	Indicate if the patient has carotid artery stenosis.	Code: 64586002
-	The value on arrival at this facility	Code System Name: SNOMED CT
-		Short Name: CurrendCAS
Supporting Definition:	Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an	Missing Data: Report
	atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents.	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No
	Source: NCImetathesaurus	Is Base Element: Yes
	NCIm Version: 201706 Version 2.8 CUI C0007282	Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation Element: 12903 Condition History Name
		Operator: Equal
		Value: Carotid Artery Stenosis
		AND
		Element: 14264 Condition History Occurrence
		Operator: Equal Value: Yes
Element: 14230	Carotid Artery Stenosis Location	Technical Specification
		reclinical opecification
Coding Instruction:		Code: 11200002012
-	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic.	Code: 11200002012 Code System Name: ACC NCDR
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure	Code: 112000002012 Code System Name: Short Name: CVDCarsten
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis	Code: 11200002012 Code System Name: ACC NCDR
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure	Code: 11200002012 Code System Name: ACC NCDR Short Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an	Code: 112000002012 Code System Name: ACC NCDR Short Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR,
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus	Code: 11200002012 Code System Name: Short Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents.	Code: 112000002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup No
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: ACC NCDR Short Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Data Type: CD
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Data Type: CD Precision: CD
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Data Type: CD
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Null
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Null
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Null
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code:11200002012Code System Name:ACC NCDRShort Name:CVDCarstenMissing Data:ReportHarvested:Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoSelection Type:SingleUnit of Measure:NullUsual Range:Valid Range:Valid Range:User
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Data Source:
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14265
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Data Source: User Parent/Child Validation Element: 14265 Current Carotid Artery Stenosi Operator: Equal Value: Yes
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Data Source: User Parent/Child Validation Element: 14265 Current Carotid Artery Stenosis Operator: Equal Value: Yes
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Data Source: User Parent/Child Validation Element: 14265 Current Carotid Artery Stenosi Operator: Equal Value: Yes
Target Value:	Indicate which carotid artery was determined from any diagnostic test to be greater or equal to 50% stenotic. The last value prior to the start of the first procedure Carotid Artery Stenosis A narrowing of the carotid artery lumen. It is usually caused by the formation of an atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Source: NCImetathesaurus NCIm Version: 201706 Version 2.8	Code: 11200002012 Code System ACC NCDR Name: CVDCarsten Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: CD Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Data Source: User Parent/Child Validation Element: 14265 Current Carotid Artery Stenosis Operator: Equal Value: Yes AND

Selection	Definition	Source Cod	e Code System Name
Right Carotid Artery Stenosis	There is >=50% stenosis in the right carotid artery.	28520100011910	00 SNOMED CT
Left Carotid Artery Stenosis	There is >=50% stenosis in the left carotid artery.	28519100011910	3 SNOMED CT
Bilateral Carotid Artery	There is >=50% stenosis in both the right carotid and	29382100011910	07 SNOMED CT
Stenosis	left carotid arteries.		





Section: Carotid Artery Stenosis Parent: Condition History Details Element: 14329 **Technical Specification** Carotid Artery Stenosis Location Not Documented Code: 112000002012 Coding Instruction: Indicate if the severity of carotid artery stenosis was not documented. Code System Name: ACC NCDR Target Value: N/A Short Name: CVDCarSteLocND Supporting Definition: Carotid Artery Stenosis Missing Data: Report A narrowing of the carotid artery lumen. It is usually caused by the formation of an Harvested: Yes (BDS, TAVR, TMVR, atherosclerotic plaque. Symptoms are usually present when there is severe narrowing or TMVrpr, TTVP) obstruction of the arterial lumen and manifest as ischemic cerebrovascular accidents. Is Identifier: No Source: NCImetathesaurus Is Base Element: Yes Is Followup No NCIm Version: 201706 Version 2.8 CUI C0007282 Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User **Parent/Child Validation** Element: 14265 Current Carotid Artery Stenosis Operator: Equal Value: Yes





Section: Cardiomyopathy Parent: Condition History Details		
Element: 4570	Cardiomyopathy Type	Technical Specification
	 Indicate the type of cardiomyopathy experienced by the patient. Note(s): 	Code: 100000953 Code System Name: ACC NCDR
	If the patient has had multiple cardiomyopathies, select all applicable types.	Short Name: PriorCMType Missing Data: Report
Target Value:	Any occurrence between birth and the procedure	Harvested: Yes (BDS, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No Element:
		Data Type: CD Precision:
		Selection Type: Multiple Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 12903 Condition History Name Operator: Equal
		Value: Cardiomyopathy
		AND
		Element: 14264 Condition History Occurrence Operator: Equal Value: Yes
		AND
		Element: 13171 TVT Pathway Operator: Equal
		Value: TMVR Element: 13171 TVT Pathway
		Operator: Equal
		Value: TMVr
		Element: 13171 TVT Pathway Operator: Equal
		Value: Tricuspid Valve Procedure
Cardiomyopathy Type - 1.3.6.	1.4.1.19376.1.4.1.6.5.193	
Selection	Definition Source	Code Code System Na
schemic cardiomyonathy	The nationt has a history of ischemic cardiomyonathy	426856002 SNOME

Selection	Definition	Source Code	Code System Name
Ischemic cardiomyopathy	The patient has a history of ischemic cardiomyopathy documented by heart failure and reduced systolic function (ejection fraction <40%) and history of any one of the following: 1. History of myocardial infarction (MI) 2. History of Percutaneous Coronary Intervention; 3. History of Coronary Artery Bypass Graft Surgery; 4. Conventional coronary angiography demonstrates >=70% stenosis in at least one major coronary artery. 5. Stress testing (with or without imaging) diagnostic or coronary artery disease.	426856002 f	SNOMED CT
Non-ischemic cardiomyopathy	Includes cardiomyopathies resulting from volume or pressure overload, such as hypertension or valvular heart disease.	111000119104	SNOMED CT
Other Cardiomyopathy Type	Cardiomyopathy not otherwise specified.	100001065	ACC NCDR





Section: Chronic Lung Disease Parent: Condition History Details **Technical Specification** Element: 13904 Chronic Lung Disease Severity Code: 413839001 Code System SNOMED CT Coding Instruction: Indicate the severity of chronic lung disease. Target Value: The last value between birth and the first procedure in this admission Short Name: ChronLungDisSeverity Supporting Definition: Chronic Lung Disease Missing Data: Report Chronic lung disease can include patients with chronic obstructive pulmonary disease, chronic Harvested: Yes (BDS, TAVR, TMVR, bronchitis, or emphysema. It can also include a patient who is currently being chronically TMVrpr, TTVP) treated with inhaled or oral pharmacological therapy (e.g., beta-adrenergic agonist, anti-Is Identifier: No inflammatory agent, leukotriene receptor antagonist, or steroid). Patients with asthma or Is Base Element: Yes seasonal allergies are not considered to have chronic lung disease. Is Followup No Source: ACC/AHA Key Data Elements and Definitions for Measuring the Clinical Management Element: and Outcomes of Patients With Chronic Heart Failure Circulation. 2005;112:1888-1916 Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User **Parent/Child Validation** Element: 14459 Chronic Lung Disease Severity Not Documented Operator: Equal Value: No (or Not Answered) AND Element: 12903 Condition History Name Operator: Equal Value: Chronic Lung Disease AND Element: 14264 Condition History Occurrence Operator: Equal Value: Yes Chronic Lung Disease Severity - 1.3.6.1.4.1.19376.1.4.1.6.5.585

Selection Code System Name Definition Source Code ACC NCDR Mild Lung Disease FEV1 60% to 75% of predicted, and/or on chronic Society of Thoracic Surgeons (STS) 112000001593 inhaled or oral bronchodilator therapy Moderate Lung Disease FEV1 50% to 59% of predicted, and/or on chronic Society of Thoracic Surgeons (STS) 112000001594 ACC NCDR steroid therapy aimed at lung disease. Severe Lung Disease FEV1 <50% predicted, and/or Room Air pO2 < 60 or Society of Thoracic Surgeons (STS) 112000001595 ACC NCDR Room Air pCO2 > 50.





ment: 14459	Chronic Lung Disease Severity Not Documented	Technical Specification
Cadina Instruction.	Indicate two if the proventity of physical lange dispaces is not decomposited	Code: 112000001596
Target Value:	Indicate true if the severity of chronic lung disease is not documented. N/A	Code System Name: ACC NCDR
		Short Name: ChronLungDisSeverity_NI
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element: ^{No}
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 12903 Condition History Name
		Operator: Equal
		Value: Chronic Lung Disease
		AND
		Element: 14264 Condition History Occurren
		Operator: Equal
		Value: Yes





Section: Diabetes Thera	ару	Parent: Condition History De	etails		
Element: 14231	Diabetes Therapy		Technic	al Spe	cification
Coding Instruction:	Indicate the type of treatment a patient with a diagnosis of di most aggressive therapy the patient presented with on admi		Code: Code System Name:	385804 SNOME	
Target Value:	The last value between birth and the first procedure in this a	dmission	Short Name: Missing Data:	DiabCor Report Yes (TA TTVP) No Yes No CD Single Null	
			Parent/	Child V	/alidation
			Element: 12903 (Operator: Equal Value: Diabetes N		History Name
Diabetes Therapy			Element: 14264 Operator: Equal Value: Yes	Conditior	n History Occurrence
	Definition Sourc	e		Code	Code System Nam
lone			11200000	10322	ACC NCI

Selection	Definition	Source	Code	Code System Name
None			11200000322	ACC NCDR
Diet			11200000324	ACC NCDR
Oral			11200000323	ACC NCDR
Insulin			161649006	SNOMED CT
Other			11200000325	ACC NCDR





Section: Endocarditis		Parent: Condition History	Details	
Element: 14232	Endocarditis Type		Technical	Specification
Coding Instruction			Code: 56	6819008
-	Indicate the type of endocarditis. The last value between birth and the first procedure	in this admission	Code System Name:	NOMED CT
Tangot Valuo.			Short Name: In	fEndTy
			Missing Data: R	eport
				es (TAVR, TMVR, TMVrpr, TVP)
			Is Identifier: No	D
			Is Base Element: Ye	
			ls Followup Element:	D
			Data Type: Cl	D
			Precision:	
			Selection Type: Si	ngle
			Unit of Measure:	
			Default Value: No	ull
			Usual Range: Valid Range:	
			Data Source: U	ser
			Parent/Ch	ild Validation
				ndition History Name
			Operator: Equal	
			Value: Endocarditis	
				AND
				ndition History Occurrence
			Operator: Equal Value: Yes	
			Value. 103	
Endocarditis Type - 1.3.6.1.4.1 Selection	.19376.1.4.1.6.5.685 Definition	Source	Co	de Code System Nam
Treated Endocarditis 1	The patient has been treated previously for indocarditis and is not taking antibiotics for the nfection (other than prophylactic medications).		1120000017	
Active Endocarditis 1	The patient is currently being treated for endocarditis. This includes patients who are diagnosed and reatment being post-op		1120000017	ACC NCD

treatment begins post-op.





Element: 13174	Myocardial Infarction Timeframe		Technica	al Spec	cification
			Code:	2229800	6
Coding Instruction:	Indicate if the timeframe of the myocardial infarction	Co	de System Name:	SNOMED	CT
Target Value:	The last value between birth and the first procedure		Name: hort Name:		
		-	sing Data:		
			-		S, TAVR, TMVR,
				TMVrpr,	TTVP)
		Is	Identifier:	No	
			e Element:		
		ls	Followup Element:	No	
			Element:		
			Data Type: Precision:	CD	
			tion Type:	Single	
			f Measure:	<u>3</u>	
		Def	ault Value:	Null	
		Us	ual Range:		
		Va	alid Range:		
		Da	ata Source:	User	
			Parent/C	hild V	alidation
		Element	: 12903 C	ondition l	History Name
		Operator			
		Value	Myocardial		n
			•••••	AND	•••••
		Element		condition	History Occurrence
		Operator			
		Value	Yes		
	meframe - 1.3.6.1.4.1.19376.1.4.1.6.5.451				
	Definition	Source	_	ode	Code System Nam
,	Prior myocardial infarction is less than 30 days prior to he procedure.		112000001	1173	ACC NCE

Prior Myocardial Infarction Less than 30 days	Prior myocardial infarction is less than 30 days prior to the procedure.	112000001173	ACC NCDR
Prior Myocardial Infarction Greater than or Equal to 30 days		112000001174	ACC NCDR





Section: Procedure Hist	y Parent: History and Risk Factors	
Element: 12905	Procedure History Name	Technical Specification
Target Value:	The list of medical procedures from which the patient's history is to be determined. N/A When a Procedure History Name (12905) is selected then Procedure History Occurrence (14268) must not be Null	Code: 416940007 Code System Name: SNOMED CT Short Name: ProcedHxName Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR) TMVrpr, TTVP) Is Identifier: Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User

Procedure History Name - 1.3.6.1.4.1.19376.1.4.1.6.5.341

Selection	Definition	Source	Code	Code System Name
Aortic Valve Procedure	Any previous surgical or interventional replacement and/or repair of the aortic valve.		112000001755	ACC NCDR
Aortic Valve Balloon Valvuloplasty			77166000	SNOMED CT
Aortic Valve Repair Surgery			112816004	SNOMED CT
Aortic Valve Replacement Surgery			725351001	SNOMED CT
Aortic Valve Replacement - Transcatheter			41873006	SNOMED CT
Aortic Valve Transcatheter Intervention	Any previous interventional repair of the aortic valve. Note: Do not include surgical aortic valve repairs or transcatheter aortic valve replacements.		112000001768	ACC NCDR
Coronary Artery Bypass Graft			232717009	SNOMED CT
Implantable Cardioverter Defibrillator	Placement of an internal cardioverter defibrillator.		447365002	SNOMED CT
Mitral Valve Procedure	Any previous surgical or interventional replacement and/or repair of the mitral valve.		112000001940	ACC NCDR
Mitral Valve Annuloplasty Ring Surgery			232744004	SNOMED CT
Mitral Valve Repair Surgery			384641003	SNOMED CT
Mitral Valve Replacement Surgery			53059001	SNOMED CT
Mitral Valve Transcatheter Intervention	Any previous interventional repair of the mitral valve. Note: Do not include surgical mitral valve repairs or transcatheter mitral valve replacements.		112000001773	ACC NCDR
PCI			415070008	SNOMED CT
Permanent Pacemaker			449397007	SNOMED CT
Pulmonic Valve Procedure	Any previous surgical or interventional replacement and/or repair of the pulmonic valve.		112000001769	ACC NCDR
Tricuspid Valve Procedure	Any previous surgical or interventional replacement and/or repair of the tricuspid valve.		112000001941	ACC NCDR
Tricuspid Valve Repair Surgery			384643000	SNOMED CT
Tricuspid Valve Replacement Surgery			25236004	SNOMED CT
Tricuspid Valve Replacement - Transcatheter			112000001977	ACC NCDR
Tricuspid Valve Transcatheter Intervention	Any previous interventional repair of the tricuspid valve. Note: Do not include surgical tricuspid valve repairs or transcatheter tricuspid valve replacements.		112000001779	ACC NCDR





nent: 14268	Procedure History Occurrence	Technic	al Specification
• · · · · ·	•	Code:	416940007
Coding Instruction:	Indicate if the patient does or does not have a history of the indicated medical procedure.	Code System Name:	SNOMED CT
Target Value:	Any occurrence between birth and the first procedure in this admission		
		Short Name:	ProcHxOccur
		Missing Data:	Report
		Harvested:	Yes (BDS, TAVR, TMVR TMVrpr, TTVP)
		Is Identifier:	No
		Is Base Element:	
		Is Followup Element:	No
		Data Type:	BL
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
		Parent/	Child Validation
		Element: 12905	Procedure History Name
		Operator:	-
		Value: Any Value	





Section: Procedure History Parent: History and Risk Factors **Technical Specification** Element: 14252 Procedure History Date Code: 416940007 Code System SNOMED CT Coding Instruction: Indicate the date the procedure was performed. Note(s): If the month or day of the procedure is unknown, please code 01/01/YYYY. If the Short Name: ProcHistDate specific year is unknown in the current record, the year may be estimated based on Missing Data: Report timeframes found in prior medical record documentation (Example: If the patient had "most Harvested: Yes (BDS, TAVR, TMVR, recent procedure" documented in a record from 2011, then the year 2011 can be utilized and TMVrpr, TTVP) coded as 01/01/2011). Is Identifier: No Target Value: The last value between birth and the first procedure in this admission Is Base Element: Yes Is Followup No Vendor Instruction: Procedure History Date (14252) must be Less than or Equal to Procedure Start Date and Time (7000) Element: Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal Value: Aortic Valve Procedure Element: 12905 Procedure History Name Operator: Equal Value: Coronary Artery Bypass Graft Element: 12905 Procedure History Name Operator: Equal Value: Permanent Pacemaker Element: 12905 Procedure History Name Operator: Equal Value: PCI Element: 12905 Procedure History Name Operator: Equal Value: Mitral Valve Procedure Element: 12905 Procedure History Name Operator: Equal Value: Tricuspid Valve Procedure AND Element: 14268 Procedure History Occurrence Operator: Equal

Value: Yes





Section: Aortic Valve R		Parent: Procedure History Details		
lement: 14335	Surgical Aortic Valve Replacement Implant ID		Technic	al Specification
Coding Instruction:	Indicate the implant ID of the prosthetic aortic valve.			84683006
-			Code System Name:	SNOMED CT
l'arget value:	The last value between birth and the first procedure in this a	Idmission		SAVRImplantID
			Missing Data:	
			Harvested:	Yes (TAVR)
			Is Identifier:	No
			Is Base Element:	Yes
			Is Followup	No
			Element: Data Type:	CD
			Precision:	CD
				Single (Dynamic List)
			Unit of Measure:	5 ())
			Default Value:	Null
			Usual Range:	
			Valid Range:	
			Data Source:	User
			Parent/0	Child Validation
			Element: 12905 F	Procedure History Name
		c	Operator: Equal	
				e Replacement Surgery
		-		AND
				Procedure History Occurren
		Ĺ	Operator: Equal	
		_	Value: Yes	AND
		- I I I I I I I I I I I I I I I I I I I		TVT Pathway
			Dperator: Equal	i v i i duiwdy
		-	Value: TAVR	
lement: 14519	Surgical Aortic Valve Replacement Implant Diame	ter		al Specification
Coding Instruction:	Indicate the aortic valve implant size.			84683006
-	·		Code System Name:	SNOMED CT
l'arget Value:	The last value between birth and the first procedure in this a	admission		SAVRImplantDia
			Missing Data:	•
			-	Yes (TAVR)
			Is Identifier:	NO
			Is Base Element:	Yes
			Is Base Element: Is Followup	Yes
			Is Base Element: Is Followup Element:	Yes No
			Is Base Element: Is Followup Element: Data Type:	Yes No PQ
			Is Base Element: Is Followup Element: Data Type: Precision:	Yes No PQ 3,0
			Is Base Element: Is Followup Element: Data Type:	Yes No PQ 3,0 Single
			Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	Yes No PQ 3,0 Single mm
			Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Yes No PQ 3,0 Single mm Null
			Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	Yes No PQ 3,0 Single mm Null 16 - 36 mm
			Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	Yes No PQ 3,0 Single mm Null 16 - 36 mm 5 - 100 mm
			Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source:	Yes No PQ 3,0 Single mm Null 16 - 36 mm 5 - 100 mm User Child Validation
			Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/(Element: 14335	Yes No PQ 3,0 Single mm Null 16 - 36 mm 5 - 100 mm User Child Validation Surgical Aortic Valve
			Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/(Element: 14335	Yes No PQ 3,0 Single mm Null 16 - 36 mm 5 - 100 mm User Child Validation





Coding Instruction: Indicate the type of surgical aortic valve replacement. Target Value: The last value between birth and the first procedure in this admission Short Name: ProProceAType Missing Data: Report Harvested: Yes (TAVR) Is Base Element: Yes (TAVR) Is Identifier: No Section Type: CD Precision: Section Type: Single August No Data Type: CD Perceision: Section Type: Single August Null Usual Range: Value Value: Nortic Value Replacement Not Operator: Equal Value: Aortic Value Replacement Surgery Not Operator: Equal Value: AND Element: 14268 Procedure History Occurre Operator: Equal Value: AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes AND AND	lement: 14236	Aortic Valve Replacement Type	Technic	al Specification	
Target Value: The last value between birth and the first procedure in this admission Target Value: The last value between birth and the first procedure in this admission Short Name: PrevProcAVType Missing Data: Report Harvested: Yes (TAVR) Is Is bentifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Value: Antic Valve Replacement Vesr Parent/Child Validation Element: 14237 Element: 12005 Procedure History Name Operator: Equal Value: Notic Valve Replacement Surgery Value: Notic Valve Replacement Surgery AND Coperator: Equal Value: Yes Value: Yes Element: 11271	Cadina Instructions				
Short Name: PrevProcAVType Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Valid	-		dmission Code System Name:	SNOMED CT	
Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14237 A ordic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) 	. a. got ta.aoi			PrevProcAVType	
Is Identifier: No Is Base Element: Yes Is Followup No Element: Selection Type: CO Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Valid			Missing Data:	Report	
Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Messure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: User Default Value: Null Usual Range: Valid Valid Range: Valid Valid			Harvested:	Yes (TAVR)	
Is Followup No Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14237 Aortic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) 			Is Identifier:	No	
Lement: Deta Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14237 Aortic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) 					
Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14237 Aortic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) 			Is Followup Element:	No	
Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14237 Actic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) 			Data Type:	CD	
Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14237 Aortic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) 			Precision:		
Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14237 Not Documented Operator: Equal Value: No (or Not Answered)			Selection Type:	Single	
Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14237 Aortic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) AND Element: 12905 Procedure History Name Operator: Equal Value: Aortic Valve Replacement Surgery AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes AND					
Valid Range: Data Source: User Parent/Child Validation Element: 14237 Aortic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered)				Null	
Data Source: User Parent/Child Validation Element: 14237 Not Documented Operator: Equal Value: No (or Not Answered) AND Element: 12905 Procedure History Name Operator: Equal Value: Aortic Valve Replacement Surgery AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes AND AND <td col<="" td=""><td></td><td></td><td>-</td><td></td></td>	<td></td> <td></td> <td>-</td> <td></td>			-	
Parent/Child Validation Element: 14237 Aortic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) Element: 12905 Procedure History Name Operator: Equal Value: Aortic Valve Replacement Surgery AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes AND Element: 13171 TVT Pathway			5		
Element: 14237 Aortic Valve Replacement Not Documented Operator: Equal Value: No (or Not Answered) AND Element: 12905 Procedure History Name Operator: Equal Value: Aortic Valve Replacement Surgery AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes AND Element: 13171 TVT Pathway			Data Source:	User	
Not Documented Operator: Equal Value: No (or Not Answered) 			Parent/C	hild Validation	
Value: No (or Not Answered) AND Element: 12905 Procedure History Name Operator: Equal Value: Aortic Valve Replacement Surgery AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes AND Element: 13171 TVT Pathway					
AND Element: 12905 Procedure History Name Operator: Equal Value: Aortic Valve Replacement Surgery Value: Aortic Valve Replacement Surgery AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes AND Element: 13171 TVT Pathway			Operator: Equal		
Element: 12905 Procedure History Name Operator: Equal Value: Aortic Valve Replacement Surgery AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes AND Element: 13171 TVT Pathway			Value: No (or Not	Answered)	
Operator: Equal Value: Aortic Valve Replacement Surgery 				AND	
Value: Aortic Valve Replacement Surgery AND Element: 14268 Procedure History Occurre Operator: Equal Value: Yes			Element: 12905 P	rocedure History Name	
Element: 14268 Procedure History Occurre Operator: Equal Value: Yes 			Operator: Equal		
Element: 14268 Procedure History Occurre Operator: Equal Value: Yes 			Value: Aortic Valve	e Replacement Surgery	
Operator: Equal Value: Yes 				AND	
Value: Yes AND Element: 13171 TVT Pathway			Element: 14268 P	Procedure History Occurrence	
Element: 13171 TVT Pathway			Operator: Equal		
Element: 13171 TVT Pathway			Value: Yes		
				AND	
Operator: Equal			Element: 13171 T	VT Pathway	
lepsidon Equi			Operator: Equal		

Aortic Valve Replacement Type - 1.3.6.1.4.1.19376.1.4.1.6.5.686

Selection	Definition	Source	Code	Code System Name
Stented Valve Replacement	Surgical valve replacement with a bioprosthetic stente valve.	ed	112000001758	ACC NCDR
Stentless Valve Replacement	Surgical valve replacement with a bioprosthetic stentless valve.		112000001760	ACC NCDR





Section: Aortic Valve R	eplacement	Parent: Procedure History De	etails
lement: 14237	Aortic Valve Replacement Type Not Document	ed	Technical Specification
Coding Instruction:	Indicate if the surgical aortic valve replacement type was		Code: 725351001
-	· · ·	s not documented.	Code System SNOMED CT Name:
Target Value:	N/A		Name: Short Name: AVReplacementTypeND
			Missing Data: Report
			Harvested: Yes (TAVR)
			Is Identifier: No
			Is Base Element: Yes
			Is Followup Floment
			Element: NO
			Data Type: BL
			Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
		1	Element: 12905 Procedure History Name
		c	Operator: Equal
			Value: Aortic Valve Replacement Surgery
		-	AND
		1	Element: 14268 Procedure History Occurrence
		c	Operator: Equal
			Value: Yes
		-	AND
		1	Element: 13171 TVT Pathway
		c	Operator: Equal
			Value: TAVR





Element: 14249	Transcatheter Aortic Valve Replacement Implant ID	Technical Specification
Coding Instruction:	Indicate the model ID implanted in the transcatheter aortic valve replacement procedure.	Code: 112000001766
-		Code System Name: ACC NCDR
-	The last value between birth and the first procedure in this admission	Short Name: TAVRImplantID
Supporting Definition:		Missing Data: Report
	The model ID of the transcatheter valve used for transcatheter valve replacement procedure.	Harvested: Yes (TAVR)
	Source:	Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: CD
		Precision:
		Selection Type: Single (Dynamic List)
		Unit of Measure: Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 12905 Procedure History Name
		Operator: Equal
		Value: Aortic Valve Replacement - Transcathet AND
		Element: 14268 Procedure History Occurrence
		Operator: Equal
		Value: Yes
		AND
		Element: 13171 TVT Pathway
		Operator: Equal Value: TAVR
Element: 14515	Transcatheter Aortic Valve Replacement Implant Diameter	Technical Specification
	· · · · ·	Code: 112000001766
-	Indicate the transcatheter aortic valve implant size.	Code System Name:
Target Value:	The last value between birth and the first procedure in this admission	Name: ACC NODA Short Name: TAVRImplantDia
Supporting Definition:	TAVR Model ID	Missing Data: Report
	The model ID of the transcatheter valve used for transcatheter valve replacement procedure.	Harvested: Yes (TAVR)
	Sources	Is Identifier: No
	Source:	
	Source.	Is Base Element: Yes
	Source.	Is Followup No
	Source.	ls Followup Element:
	Source.	Is Followup
	Source.	ls Followup Element: Data Type: PQ
	Source.	Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm
	Source.	Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null
	Source.	Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm
	Source.	Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Valid Range: 5 - 100 mm
	Source.	Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Valid Range: 5 - 100 mm Data Source: User
	Source.	Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Valid Range: 5 - 100 mm Data Source: User Parent/Child Validation
	Source:	Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Valid Range: 5 - 100 mm Data Source: User
	Source:	Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Valid Range: 5 - 100 mm Data Source: User Parent/Child Validation Element: 14249 Transcatheter Aortic Valve





Section: ICD	Parent: Procedure History Details			
Element: 14259	Cardiac Resynchronization Therapy Defibrillator	Technical Specification		
Coding Instruction:	Indicate if the ICD includes a cardiac resynchronization therapy (CRT-D) device.	Code: 11200002006 Code System Name:		
Target Value:	The last value between birth and the first procedure in this admission	Short Name: CRTD		
Supporting Definition:	CRT-D A cardiac resynchronization therapy device and defibrillator (CRT-D) has dual capabilities. It is a biventricular pacemaker that sends electrical signals to both ventricles as well as a defibrillator. It may or may not have an atrial pacing wire. Source:	Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null		
		Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name		
		Operator: Equal Value: Implantable Cardioverter Defibrillator AND Element: 14268 Procedure History Occurrence Operator: Equal Value: Yes		
		AND Element: 13171 TVT Pathway Operator: Equal Value: TMVr Element: 13171 TVT Pathway Operator: Equal Value: TMVR Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure		





lement: 14257	Mitral Valve Annuloplasty Ring Type	Τε	echnical Specification
	Indicate the type of mitral annuloplasty ring implanted surg	ically. Code S	Code: 232744004 ystem Name: SNOMED CT
Target Value:	The last value between birth and the first procedure in this	admission	Name: SNOMED CI
-			Name: PriorMVRingSurg
			Data: No Action
			ested: Yes (BDS, TMVR, TMVrpr)
			ntifier: No
		Is Base Ele	
		Is Fol	lowup ment: No
		Ele	ement: Type: CD
			cision:
			Type: Single
		Unit of Me	
		Default	Value: Null
		Usual F	tange:
		Valid F	lange:
		Data S	ource: User
		Pa	arent/Child Validation
		Element: 142 Typ	258 Mitral Valve Annuloplasty Ring be Not Documented
		Operator: Equ	Jal
		Value: No	(or Not Answered)
			AND
		Element: 129	905 Procedure History Name
		Operator: Equ	Jal
		Value: Mit	ral Valve Annuloplasty Ring Surgery
			,
			268 Procedure History Occurrence
		Operator: Equ	
		Value: Ye	
			,
		Element: 13'	,
		Operator: Equ	
		Value: TM	
		Element: 13'	•
		Operator: Equ Value: TM	

Selection	Definition	Source	Code	Code System Name
Circumferential Mitral Annuloplasty Ring	A circumferential mitral annuloplasty ring.		112000001772	ACC NCDR
Partial Mitral Annuloplasty	Ring A partial mitral annuloplasty ring.		112000001771	ACC NCDR





		Technical Oracification
Element: 14258	Mitral Valve Annuloplasty Ring Type Not Documented	Code: 232744004
-	Indicate if the type of mitral annuloplasty ring implanted surgically was not documented.	Code System Name: SNOMED CT
Target Value:	NA	Short Name: PriorMVRingSurgND
		Missing Data: Report
		Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 12905 Procedure History Name
		Operator: Equal
		Value: Mitral Valve Annuloplasty Ring Surgery AND
		Element: 14268 Procedure History Occurrence
		Operator: Equal
		Value: Yes
		Element: 13171 TVT Pathway
		Operator: Equal
		Value: TMVr Element: 13171 TVT Pathway
		Operator: Equal
		Value: TMVR
		Technical Creation
Element: 14455	Mitral Ring Implant ID	Code: 17107009
-	Indicate the implant ID of the mitral ring or mitral band.	Code System Name: SNOMED CT
Target Value:	The last value between birth and the first procedure in this admission	
		Short Name: MVRingImplantID
		Short Name: MVRingImplantID Missing Data: Report
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR)
		Short Name: MVRingImplantID Missing Data: Report
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup _{No}
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup _{No}
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Precision: Selection Type: Single (Dynamic List)
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision:
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range:
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range:
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range:
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal Value: Mitral Valve Annuloplasty Ring Surgery
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal Value: Mitral Valve Annuloplasty Ring Surgery
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal Value: Mitral Valve Annuloplasty Ring Surgery
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal Value: Mitral Valve Annuloplasty Ring Surgery AND Element: 14268 Procedure History Occurrence Operator: Equal Value: Yes
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal Value: Mitral Valve Annuloplasty Ring Surgery AND Element: 14268 Procedure History Occurrent Operator: Equal Value: Yes AND
		Short Name: MVRingImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal Value: Mitral Valve Annuloplasty Ring Surgery





Section: Mitral Valve Annuloplasty

nent: 14533	Mitral Ring Implant Diameter	Technical Specification
	• •	Code: 112000001807
Coding Instruction:	Indicate the mitral ring implant diameter size.	Code System Name: ACC NCDR
Target Value:	The last value between birth and the first procedure in this admission	Name:
		Short Name: MVRingImplantDia
		Missing Data: Report
		Harvested: Yes (TMVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mm
		Default Value: Null
		Usual Range: 10 - 36 mm
		Valid Range: 5 - 100 mm
		Data Source: User
		Parent/Child Validation
		Element: 14455 Mitral Ring Implant ID
		Operator:
		Value: Any Value

Parent: Procedure History Details





Element: 14241	Mitral Valve Replacement Type	Tech	nical Specification
			le: 53059001
-	Indicate the type of surgical mitral valve replacement. The last value between birth and the first procedure in this	s admission Code Syste	SNOMED CT
	···· ··· ··· ··· ··· ··· ··· ··· ··· ·		e: PrevMVReplaceType
		Missing Da	ta: Report
		Harveste	d: Yes (TAVR, TMVR)
		Is Identifi	er: No
		Is Base Eleme	
		Is Follow Eleme	nt: NO
		Data Ty	
		Precisio	
		Selection Typ	•
		Unit of Measu	
		Default Valu	
		Usual Rang Valid Rang	
		Data Source	
		Parei	nt/Child Validation
		Element: 12905	Procedure History Name
		Operator: Equal	
		Value: Mitral V	alve Replacement Surgery
			AND
		Element: 14268	Procedure History Occurrence
		Operator: Equal Value: Yes	
			AND
		Element: 13171	TVT Pathway
		Operator: Equal	···· uninay
		Value: TAVR	
		Element: 13171	TVT Pathway
		Operator: Equal	·
		Value: TMVR	
			AND
		Element: 14242 Not Do	Mitral Valve Replacement Type cumented
		Operator: Equal	
		Value: No (or	Not Answered)

Militar valve Replacement Type - 1.5.0.1.4.1.15570.1.4.1.0.5.754				
Selection	Definition	Source	Code	Code System Name
Mechanical			705991002	SNOMED CT
Stented			112000001758	ACC NCDR
Stentless			112000001760	ACC NCDR





		Technical Creation
Element: 14242	Mitral Valve Replacement Type Not Documented	Code: 53059001
Coding Instruction:	Indicate if the surgical mitral valve replacement type was not documented.	Code System Name: SNOMED CT
Target Value:	N/A	
		Short Name: PrevMVReplaceTypeND Missing Data: Report
		Harvested: Yes (TAVR, TMVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation Element: 12905 Procedure History Name
		Operator: Equal
		Value: Mitral Valve Replacement Surgery
		AND
		Element: 14268 Procedure History Occurrence
		Operator: Equal Value: Yes
		AND
		Element: 13171 TVT Pathway
		Operator: Equal
		Value: TAVR Element: 13171 TVT Pathway
		Operator: Equal
		Value: TMVR
		1
Element: 14334	Surgical Mitral Valve Replacement Implant ID	Technical Specification
	Surgical Mitral Valve Replacement Implant ID Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009
Coding Instruction:		
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SMVRImplantID
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SMVRImplantID Missing Data: Report
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SMVRImplantID
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR)
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: Short Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: Short Name: SMORED CT Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: Short Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System SNOMED CT Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Followup No Element: Data Type: CD Precision: Selection Type: Single (Dynamic List)
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System SNOMED CT Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Followup No Element: Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Ves
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System SNOMED CT Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range:
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System SNOMED CT Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Usual Range: Value
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System SNOMED CT Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System SNOMED CT Name: SNOMED CT Short Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator:
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System SNOMED CT Name: SNOMED CT Short Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Data Type: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Element: 12905 Procedure History Name
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SMVRImplantID Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Element: 12905
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SNOMED CT Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Operator: Equal Value: Mitral Valve Replacement Surgery
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SNOMED CT Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Operator: Equal Value: Mitral Valve Replacement Surgery
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SNOMED CT Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Operator: Equal Value: Mitral Valve Replacement Surgery
Coding Instruction:	Indicate the implant ID of the prosthetic mitral valve.	Code: 17107009 Code System Name: SNOMED CT Short Name: SNOMED CT Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 12905 Procedure History Name Operator: Operator: Equal Value: Mitral Valve Replacement Surgery





Section: Mitral Valve Replacement

Parent: Procedure History Details

Element: 14518	Surgical Mitral Valve Replacement Implant Diameter	Technical Specification
Coding Instruction:	Indicate the mitral valve implant size.	Code: 17107009
-	The last value between birth and the first procedure in this admission	Code System Name:
		Short Name: SMVRImplantDia
		Missing Data: Report
		Harvested: Yes (TMVR)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mm
		Default Value: Null
		Usual Range: 16 - 36 mm
		Valid Range: 5 - 100 mm
		Data Source: User
		Parent/Child Validation
		Element: 14334 Surgical Mitral Valve Replacement Implant ID
		Operator:
		Value: Any Value





Section: Mitral Valve Tr	ansoannatei	Parent: Procedure History Details
lement: 14261	Mitral Valve Transcatheter Intervention Type	Technical Specification
Coding Instruction:	Indicate the type of transcatheter mitral valve intervention.	Code: 11200002002 Code System ACC NCDR Name:
Target Value:	The last value between birth and the first procedure in this	admission Name: ACC NCDR
Ū		Short Name: PriorTMVRType
		Missing Data: Report
		Harvested: Yes (BDS, TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element: No
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 12905 Procedure History Name
		Operator: Equal
		Value: Mitral Valve Transcatheter Interventio
		Element: 14268 Procedure History Occurrer Operator: Equal
		Value: Yes
		AND
		Element: 13171 TVT Pathway
		Operator: Equal
		Value: TMVr
		Element: 13171 TVT Pathway
		Operator: Equal
		Value: TMVR
itral Valve Transcatheter Ty	pe - 1.3.6.1.4.1.19376.1.4.1.6.5.691	
	Definition Sou	rce Code Code System I

Selection	Definition	Source	Code	Code System Name
Leaflet Clip Procedure			112000001778	ACC NCDR
Direct Annuloplasty Intervention			112000001775	ACC NCDR
Coronary Sinus Based Intervention			112000001774	ACC NCDR
Valve in Native Valve Procedure			112000001776	ACC NCDR
Valve in Valve Procedure			112000001286	ACC NCDR
Other Mitral Valve Transcatheter Intervention			112000001777	ACC NCDR





		ľ	.	
Element: 14510	Transcatheter Mitral Valve Replacement Implant II)		tal Specification
Coding Instruction:	Indicate the transcatheter mitral valve replacement implant II).		
Target Value:	The last value between birth and the first procedure in this	admission	Code System Name:	SNOMED CI
				TMVRImplantID
			Missing Data:	
			Is Identifier:	Yes (TMVR)
			Is Base Element:	
			Is Followup	100
			Element:	NO
			Data Type:	
			Precision:	
				Single (Dynamic List)
			Unit of Measure: Default Value:	
			Usual Range:	
			Valid Range:	
			Data Source:	
			Parent/	Child Validation
				Procedure History Name
			Operator: Equal	
			Value: Mitral Valv	e Transcatheter Intervention
				AND
				Procedure History Occurrence
			Operator: Equal	
			Value: Yes	
			F I	
			Element: 13171 Operator: Equal	TVT Pathway
			Value: TMVR	
		I		
lement: 14534	Transcatheter Mitral Valve Replacement Implant	Diameter	Technic	cal Specification
			Code:	112000001807
-	Indicate the transcatheter mitral valve replacement implant s		Code System Name:	ACC NCDR
Target Value:	The last value between birth and the first procedure in this	admission		
			Missing Data:	TMVRImplantDia Report
			-	Yes (TMVR)
			Is Identifier:	. ,
			Is Base Element:	Yes
			Is Followup Element:	No
			Data Type:	
			Precision:	
			Selection Type:	-
			Unit of Measure: Default Value:	
				INUI
			Usual Range:	10 - 36 mm
				10 - 36 mm 5 - 100 mm
			Usual Range: Valid Range: Data Source:	10 - 36 mm 5 - 100 mm User
			Usual Range: Valid Range: Data Source: Parent/	10 - 36 mm 5 - 100 mm User Child Validation
			Usual Range: Valid Range: Data Source: Parent/ Element: 14510	10 - 36 mm 5 - 100 mm User
			Usual Range: Valid Range: Data Source: Parent/ Element: 14510	10 - 36 mm 5 - 100 mm User Child Validation Transcatheter Mitral Valve





Section: Permanent Pa	cemaker Parent: Procedure Histor	ry Details
Element: 14260	Cardiac Resynchronization Therapy	Technical Specification
Cadina Instruction.		Code: 704708004
Coding Instruction:	Indicate if the pacemaker type includes cardiac resynchronization therapy (CRT).	Code System Name: SNOMED CT
		Short Name: CRT
Target Value:	The last value between birth and the first procedure in this admission	Missing Data: Report
Supporting Definition:	Cardiac Resynchronization Therapy Pacemaker Placement	Harvested: Yes (BDS, TMVR, TMVrpr,
	A CRT procedure is the placement of a biventricular pacemaker that sends electrical signals to	to Is Identifier: No
	both ventricles that resynchronizes the heart chambers and helps it pump more effectively. I	t Is Base Element: Yes
	may or may not have an atrial pacing wire.	Is Followup No
	Source:	Element: No
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 12905 Procedure History Name
		Operator: Equal Value: Permanent Pacemaker
		AND
		Element: 14268 Procedure History Occurrence
		Operator: Equal
		Value: Yes
		AND
		Element: 13171 TVT Pathway
		Operator: Equal
		Value: TMVr
		Element: 13171 TVT Pathway
		Operator: Equal
		Value: TMVR
		Element: 13171 TVT Pathway
		Operator: Equal
		Value: Tricuspid Valve Procedure





Section: Tricuspid Valv	e Repair Surgery Pa	arent: Procedure History Details
lement: 14299	Tricuspid Valve Annuloplasty Ring	Technical Specification
U U	Indicate if the patient had a prior tricuspid annuloplasty ring impl The last value between birth and the first procedure in this adm	SNOMED CT
Supporting Definition:	·	Short Name: PreTVARing Missing Data: Report
	A three-cusp valve of the heart that regulates the flow of blood the right ventricle of the heart	
	Source:	Is Base Element: Yes Is Followup
		Element: Data Type: BL
		Precision: Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation Element: 12905 Procedure History Name Operator: Equal Value: Tricuspid Valve Repair Surgery Value: Tricuspid Valve Repair Surgery AND Element: 14268 Procedure History Occurrence Operator: Equal Value: Yes AND Element: 13171 TVT Pathway Operator: Equal Equal Element: 13171 TVT Pathway





Element: 14300	Transcatheter Tricuspid Valve Intervention Type		Technical Specification	
Coding Instruction:	Indicate the type of transcatheter tricuspid valve interventio	n.	Code: 112000001779	
-			Code System Name: ACC NCDR	
-	The last value between birth and the first procedure in this a	admission	Short Name: PreTTVIType	
Supporting Definition:	Tricuspid Valve		Missing Data: Report	
	A three-cusp valve of the heart that regulates the flow of blood betw	ood between the right atrium and	Harvested: Yes (TTVP)	
	the right ventricle of the heart		Is Identifier: No	
	Source:		Is Base Element: Yes	
			ls Followup Element:	
			Data Type: CD	
			Precision:	
			Selection Type: Single	
			Unit of Measure:	
			Default Value: Null	
			Usual Range:	
			Valid Range: Data Source: User	
			Parent/Child Validation Element: 12905 Procedure History Name	
			Element: 12905 Procedure History Name Operator: Equal	
		,	Value: Tricuspid Valve Transcatheter Interventi	
			AND	
			Element: 14268 Procedure History Occurrence	
			Operator: Equal	
			Value: Yes	
			AND	
			Element: 13171 TVT Pathway	
		1	Operator: Equal	
			Value: Tricuspid Valve Procedure	
ricuspid Valve Intervention T	ype - 1.3.6.1.4.1.19376.1.4.1.6.5.735			
Selection [Definition Source	ce	Code Code System Na	

Selection	Definition	Source	Code	Code System Name
Annuloplasty Ring			232782007	SNOMED CT
Other			112000001873	ACC NCDR





Element: 14298	Surgical Tricuspid Valve Replacement Implant ID		Techni	cal Specification
				703201004
-	Indicate the implant ID of the prosthetic tricuspid valve.		Code System Name:	SNOMED CT
Target Value:	The last value between birth and the first procedure in this	admission		STVRImplantID
			Vissing Data:	
			-	Yes (TTVP)
			Is Identifier:	No
		Is B	ase Element:	Yes
			Is Followup Element:	No
			Data Type:	
			Precision:	
		Se	lection Type:	Single (Dynamic List)
		Uni	t of Measure:	
			Default Value:	
			Usual Range:	
			Valid Range: Data Source:	
		Flome		Child Validation Procedure History Name
			or: Equal	Frocedure flistory Name
				Valve Replacement Surgery
		Eleme	nt: 14268	Procedure History Occurrence
		Operat	or: Equal	
			ue: Yes	
			nt: 13171 or: Equal	IVI Pathway
		-	-	Valve Procedure
		· ·		
Element: 14516	Surgical Tricuspid Valve Replacement Implant Dia	ameter	Techni	cal Specification
			Code	703201004
Coding Instruction:	Indicate the tricuspid valve implant size.		Code System Name:	SNOMED CT
Target Value:	The last value between birth and the first procedure in this	admission		
			Short Name: Missing Data:	STVRImplantDia Report
			-	
			Harvested:	Yes (TTVP)
			Is Identifier:	Yes (TTVP) No
		Is B	Is Identifier: ase Element:	No Yes
		Is B	Is Identifier: ase Element: Is Followup	No Yes
		Is B	Is Identifier: ase Element: Is Followup Element:	No Yes No
		Is B	Is Identifier: ase Element: Is Followup Element: Data Type:	No Yes No PQ
			Is Identifier: ase Element: Is Followup Element: Data Type: Precision:	No Yes No PQ 3,0
		Se	Is Identifier: ase Element: Is Followup Element: Data Type:	No Yes No PQ 3,0 Single
		Se Uni I	Is Identifier: ase Element: Is Followup Element: Data Type: Precision: lection Type: t of Measure: Default Value:	No Yes No PQ 3,0 Single mm Null
		Se Uni I	Is Identifier: ase Element: Is Followup Element: Data Type: Precision: lection Type: t of Measure: Default Value: Usual Range:	No Yes No PQ 3,0 Single mm Null 10 - 36 mm
		Se Uni I	Is Identifier: ase Element: Is Followup Element: Data Type: Precision: Iection Type: t of Measure: Default Value: Usual Range: Valid Range:	No Yes No PQ 3,0 Single mm Null 10 - 36 mm 5 - 100 mm
		Se Uni I	Is Identifier: ase Element: Is Followup Element: Data Type: Precision: lection Type: t of Measure: Default Value: Usual Range: Valid Range: Data Source:	No Yes No PQ 3,0 Single mm Null 10 - 36 mm 5 - 100 mm User
		Se Uni [Is Identifier: ase Element: Is Followup Element: Data Type: Precision: Iection Type: t of Measure: Default Value: Usual Range: Data Source: Parent/	No Yes No PQ 3,0 Single mm Null 10 - 36 mm 5 - 100 mm User Child Validation
		Se Uni [Is Identifier: ase Element: Is Followup Element: Data Type: Precision: lection Type: t of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ mt: 14298	No Yes No PQ 3,0 Single mm Null 10 - 36 mm 5 - 100 mm User Child Validation Surgical Tricuspid Valve
		Se Uni [Is Identifier: ase Element: Is Followup Element: Data Type: Precision: lection Type: t of Measure: Default Value: Usual Range: Data Source: Parent/ mt: 14298 Replacem	No Yes No PQ 3,0 Single mm Null 10 - 36 mm 5 - 100 mm User Child Validation





Section: Transcatheter	TV Replacement	Parent: Procedure History	Jelains
Element: 14301	Transcatheter Tricuspid Valve Replacement Impla	nt ID	Technical Specification
Coding Instruction:	Indicate the implant ID of the prosthetic tricuspid valve.		Code: 112000001810
_	The last value between birth and the first procedure in this	admission	Code System Name: ACC NCDR
Target Value.	The last value between bitti and the list procedule in this		Short Name: TTVRImplantID
			Missing Data: Report
			Harvested: Yes (TTVP)
			Is Identifier: No
			Is Base Element: Yes Is Followup
			Element: No
			Data Type: CD
			Precision:
			Selection Type: Single (Dynamic List)
			Unit of Measure:
			Default Value: Null Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 12905 Procedure History Name
			Operator: Equal
			Value: Tricuspid Valve Replacement - Transcatheter
			AND
			Element: 14268 Procedure History Occurrence
			Operator: Equal
			Value: Yes
			AND
			Element: 13171 TVT Pathway
			Element: 13171 TVT Pathway Operator: Equal
Element: 14517	Transcatheter Tricuspid Valve Replacement Impla	nt Diameter	Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification
	Transcatheter Tricuspid Valve Replacement Impla Indicate the tricuspid valve implant size.	nt Diameter	Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification
Coding Instruction:			Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: ACC NCDR
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Code: 11200001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Code: 112000001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Code: 112000001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: ACC NCDR Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: ACC NCDR Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: ACC NCDR Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: ACC NCDR Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: ACC NCDR Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 16 - 36 mm
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 16 - 36 mm Valid Range: 5 - 100 mm
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 16 - 36 mm Valid Range: 5 - 100 mm Data Source: User
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: ACC NCDR Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 16 - 36 mm Valid Range: 5 - 100 mm Data Source: User
Coding Instruction:	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 16 - 36 mm Valid Range: 5 - 100 mm Data Source: User
-	Indicate the tricuspid valve implant size.		Element: 13171 TVT Pathway Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 112000001810 Code System Name: Short Name: TTVRImplantDia Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Selection Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 16 - 36 mm Valid Range: 5 - 100 mm Data Source: User Parent/Child Validation Element: 14301 Transcatheter Tricuspid Valve





Section: Lab Visit	Parent: Root	
Element: 14273	Transcatheter Valve Therapy Procedure Type	Technical Specification
Coding Instruction: Target Value:	Indicate the TVT procedure performed. The value on current procedure Transcatheter Valve Therapy Procedure Type (14273) cannot be (Transcatheter Mitral Valve Repair) When Procedure History Name (12905) is (Mitral Valve Replacement Surgery) with Procedure History Occurrence as (Yes) AND Mitral Valve Transcatheter Intervention Type (14261) is (Valve in Native Valve Procedure OR Valve in Valve Procedure)	Code: 11200001167 Code System Name: Short Name: TVTProType Missing Data: Illegal Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
	Within an episode, a lab visit for Transcatheter Mitral Valve Repair can not happen in any subsequent lab visit(s) for Transcatheter Mitral Valve Replacement.	Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User

Transcatheter Valve Therapy Procedure - 1.3.6.1.4.1.19376.1.4.1.6.5.695

Selection	Definition	Source	Code	Code System Name
TAVR	Transcatheter aortic valve replacement		41873006	SNOMED CT
TMVr	Transcatheter mitral repair procedure		112000001801	ACC NCDR
TMVR	Transcatheter mitral valve replacement		112000001458	ACC NCDR
Tricuspid Valve Procedure	Transcatheter tricuspid valve procedures include a transcatheter tricuspid valve replacement or	either	112000001977	ACC NCDR

tra	anscatheter	tricuspid	valve	repair.	

Element: 13329	Procedure Room Entry Date and Time	Technical Specification
-	Indicate the date and time the patient entered the procedure room.	Code: 112000001197 Code System Name: ACC NCDR
-	The value on current procedure Procedure Room Entry Concept associated with data elements pertaining to a patient's entry into a procedure room. Source:	Name: Not room Short Name: TVTPRocedureEntryTime Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP)
Vendor Instruction:	Procedure Room Entry Date and Time (13329) must be Less than or Equal to Procedure Start Date and Time (7000)	Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: TS
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:

Data Source: User





Section: Lab Visit	Parent: Root		
Element: 7000	Procedure Start Date and Time	Technie	cal Specification
		Code:	1000142460
Coding Instruction:	Indicate the date and time the procedure started. The time of the procedure is the time that the skin incision, vascular access, or its equivalent, was made in order to start the procedure.	Code System Name:	ACC NCDR
	Note(s):	Missing Data:	ProcedureStartDateTime
	Indicate the date/time (mm/dd/yyyy hours:minutes) using the military 24-hour clock, beginning at midnight (0000 hours).	-	Yes (BDS, TAVR, TMVR,
			TMVrpr, TTVP)
Target Value:	Any occurrence on current procedure	Is Identifier:	No
Vendor Instruction:	Procedure Start Date and Time (7000) must be Less than or Equal to Discharge Date (10100)	Is Base Element:	
		Is Followup	No
		Element:	
		Data Type:	
		Precision: Selection Type:	
		Unit of Measure:	
		Default Value:	
		Usual Range:	
		Valid Range:	
		Data Source:	User
Element: 7005	Procedure End Date and Time		cal Specification
Coding Instruction:	Indicate the ending date and time at which the operator completes the procedure and breaks	Code:	1000142459
•••	scrub at the end of the procedure.	Code System Name:	ACC NCDR
			ProcedureEndDateTime
	Note(s):	Missing Data:	
	If more than one operator is involved in the case then use the date and time the last operator breaks scrub for the last time.	-	Yes (BDS, TAVR, TMVR,
		nui vootou.	TMVrpr, TTVP)
Target Value:	The value on current procedure	Is Identifier:	No
Vendor Instruction:	Procedure End Date and Time (7005) must be Greater than or Equal to Procedure Start Date	Is Base Element:	
	and Time (7000)	Is Followup	No
	Proceedure End Date and Time (700E) must be Less than or Equal to Discharge Date (10100)	Element:	
	Procedure End Date and Time (7005) must be Less than or Equal to Discharge Date (10100)	Data Type:	
	Procedure End Date and Time (7005) and Procedure Start Date and Time (7000) must not	Precision:	
	overlap on multiple procedures	Selection Type: Unit of Measure:	•
		Default Value:	
		Usual Range:	
		Valid Range:	
		Data Source:	
	1		
Element: 13330	Procedure Room Exit Date and Time	Technie	cal Specification
		Code:	112000001198
Coding Instruction:	Indicate the date and time the patient exits the procedure room.	Code: Code System	112000001198
Coding Instruction:		Code: Code System Name:	112000001198 ACC NCDR
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure	Code: Code System Name: Short Name:	112000001198 ACC NCDR TVTProcedureStopTime
Coding Instruction:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit	Code: Code System Name: Short Name: Missing Data:	112000001198 ACC NCDR TVTProcedureStopTime Report
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpr
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit	Code: Code System Name: Short Name: Missing Data:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpr TTVP)
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes
Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes No
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpt TTVP) No Yes No TS
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes No TS
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes No TS Single
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpr TTVP) No Yes No TS Single
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpt TTVP) No Yes No TS Single Null
Coding Instruction: Target Value:	Indicate the date and time the patient exits the procedure room. The value on current procedure Procedure Room Exit Concept associated with data elements pertaining to a patient's exit from a procedure room.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	112000001198 ACC NCDR TVTProcedureStopTime Report Yes (TAVR, TMVR, TMVrpt TTVP) No Yes No TS Single Null





Section: Lab Visit		Parent: Root
ement: 13793	Mitral Leaflet Clip Procedure	Technical Specification
Coding Instruction:	Mitral Leaflet Clip Procedure Indicate if a mitral leaflet clip procedure was performed. The value on current procedure	Code: 11200000208 Code System ACC NCDR Name: ProcLeafClip Missing Data: Illegal Harvested: Yes (BDS, TMVrpr) Is Identifier: No Is Base Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Ves
		Valid Range: Data Source: User Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVr





Section: Presentation	and Evaluation	Parent: Lab Visit		
Element: 12177	CAD Presentation		Technical	Specification
Coding Instruction		disease (CAD) presentation. Choose the worst status.	Code: 11: Code System AC Short Name: CA Missing Data: Re Harvested: Ye	200000109 C NCDR DPresentation port s (TAVR, TMVR, TMVrpr, VP) s
	mptoms/Presentation - 1.3.6.1.4.1.1		Cod	la Cada System Na
	Definition	Source		· · · · · · · · · · · · · · · · · · ·
	The patient presents with no symptoms		LA6111	
notoble Angine	I Instable anging which includes anging	at reat new	455700	

Unstable angina which includes angina at rest, new SNOMED CT Unstable Angina 4557003 onset or increasing angina (change in previously diagnosed pattern) within the past 2 months. Stable Angina Angina without a change in frequency or pattern for 233819005 SNOMED CT the six weeks prior to this cath lab presentation. Angina is controlled by rest and/or oral or transcutaneous medications. 112000000120 Pain or symptoms that are not consistent with pain or Symptoms Unlikely to be ACC NCDR Ischemic discomfort of myocardial ischemic origin within the past two weeks. STEMI The patient presents with a STEMI within the past 401303003 SNOMED CT seven days. Non-STEMI The patient presents to the cath lab with an NSTEMI 401314000 SNOMED CT within the past seven days.

Element: 14266	Heart Failure
Element. 14200	rieart Failure

Coding Instruction: Indicate if there is physician documentation or report that the patient has been in a state of heart failure within the past 2 weeks.

Target Value: Any occurrence between 2 weeks prior to current procedure and current procedure

Supporting Definition: Heart Failure

Heart failure is a complex clinical syndrome that results from any structural or functional impairment of ventricular filling or ejection of blood. The cardinal manifestations of HF are dyspnea and fatigue, which may limit exercise tolerance, and fluid retention, which may lead to pulmonary and/or splanchnic congestion and/or peripheral edema. Some patients have exercise intolerance but little evidence of fluid retention, whereas others complain primarily of edema, dyspnea, or fatigue. Because some patients present without signs or symptoms of volume overload, the term "heart failure" is preferred over "congestive heart failure." There is no single diagnostic test for HF because it is largely a clinical diagnosis based on a careful history and physical examination.

Source: 2013 ACCF/AHA Guideline for the Management of Heart Failure; J Am Coll Cardiol. 2013;62(16):e147-e239. doi:10.1016/j.jacc.2013.05.019

Technic	al Specification
Code:	84114007
Code System Name:	SNOMED CT
Short Name:	Prior2WksHF
Missing Data:	Report
Harvested:	Yes (TAVR, TMVR, TMVrpr, TTVP)
Is Identifier:	No
Base Element:	Yes
Is Followup Element:	No
Data Type:	BL
Precision:	
Selection Type:	Single
nit of Measure:	
Default Value:	Null
Usual Range:	
Valid Range:	
Data Source:	User

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Section: Presentation a	nd Evaluation Parent: Lab Visit			
Element: 12163	New York Heart Association Classification	Technic	al Specific	ation
Coding Instruction:	Indicate the patient's most severe dyspnea or functional class, coded as the New York Heart Association (NYHA) classification.	Code: Code System Name:	420816009 SNOMED CT	
Target Value:	The highest value between 2 weeks prior to current procedure and current procedure	Short Name:	Prior2weekN	YHA
Supporting Definition:	The NYHA classes focus on exercise capacity and the symptomatic status of the disease. Source: 2013 ACCF/AHA Guideline for the Management of Heart Failure; J Am Coll Cardiol.	Missing Data: Harvested: Is Identifier:	Yes (BDS, TA TMVrpr, TTVF	
	2013;62(16):e147-e239. doi:10.1016/j.jacc.2013.05.019	Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	No CD	
NYHA Functional Classification	n - 1.3.6.1.4.1.19376.1.4.1.6.5.8	Default Value: Usual Range: Valid Range: Data Source:		
	Definition Source	C	ode Co	de System Nam
	Patients with cardiac disease but without resulting The Criteria Committee of the New York Hi imitations of physical activity. Ordinary physical activity Association. Nomenclature and Criteria for does not cause undue fatigue, palpitation, or dyspnea. Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:25	r Diagnosis of 9th ed.	0004	SNOMED C
	Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea.	42170	4003	SNOMED C
	Patients with cardiac disease resulting in marked imitation of physical activity. They are comfortable at rest. Less than ordinary activity causes fatigue, palpitation, or dyspnea.	42091	3000	SNOMED C
	Patients with cardiac disease resulting in inability to carry on any physical activity without discomfort. Symptoms are present even at rest or minimal exertion. f any physical activity is undertaken, discomfort is ncreased.	42229	3003	SNOMED C
Element: 13175	Cardiogenic Shock	Technic	al Specific	ation
-	Indicate if the patient has been in a state of cardiogenic shock within 24 hrs of procedure.	Code: Code System Name:	89138009 SNOMED CT	
Target Value: Supporting Definition:	Any occurrence between 24 hours prior to current procedure and up to current procedure Cardiogenic Shock	Short Name:	PriorCardioSh	lock
	Cardiogenic shock is defined as a sustained (>30 min) episode of systolic blood pressure <90 mm Hg and/or cardiac index <2.2 L/min per square meter determined to be secondary to cardiac dysfunction and/or the requirement for parenteral inotropic or vasopressor agents or mechanical support (eg, IABP, extracorporeal circulation, VADs) to maintain blood pressure and cardiac index above those specified levels.		Yes (BDS, TA TMVrpr, TTVR No Yes	
	Note: Transient episodes of hypotension reversed with IV fluid or atropine do not constitute cardiogenic shock. The hemodynamic compromise (with or without extraordinary supportive therapy) must persist for at least 30 min.	Data Type: Precision:	BL	
	Source: Cannon CP, et al. 2013 ACCF/AHA Key Data Elements and Definitions for Measuring the Clinical Management and Outcomes of Patients With Acute Coronary Syndromes and Coronary Artery Disease: A Report of the ACC/AHA Task Force on Clinical Data Standards (Writing Committee to Develop Acute Coronary Syndromes and Coronary Artery Disease Clinical Data Standards). J Am Coll Cardiol. 2013;61(9):992-1025.	Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range:		

Data Source: User





Element: 14267	Cardiac Arrest	Technic	al Specification
Coding Instruction:	Indicate if the patient has had an episode of cardiac arrest within 24 hours of the procedure.	Code:	410429000
-	Any occurrence between 24 hours prior to current procedure and up to current procedure	Code System Name:	SNOMED CT
-			PriorCardArrest
Supporting Definition:		Missing Data:	
	Cardiac arrest is defined as acute cardiac event documented by one of the following: ventricular fibrillation, rapid ventricular tachycardia or bradycardia nythms with hemodynamic compression causing loss of cardiocardia and the cardiocardiocardia and the cardiocardia and the cardi	Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
	compromise causing loss of consciousness, pulseless rhythms (PEA), or asystole requiring cardiopulmonary resuscitation (two or more chest compressions or open chest massage,	Is Identifier:	
	emergency temporary pacing, pericardiocentesis, institution of ECMO, or defibrillation) and	Is Base Element:	Yes
	without these measures death would have almost certainly resulted.	Is Followup Element:	No
	Source: Data Governance Subcommittee of the NCDR's SQOC	Data Type:	BL
		Precision:	
		Selection Type:	Single
		Unit of Measure:	NLU
		Default Value: Usual Range:	INUII
		Valid Range:	
		Data Source:	User
		Technic	- Cresting
Element: 13186	Symptoms of Aortic Stenosis Present		60573004
Coding Instruction:	Code yes if the patient has any symptoms of heart failure on arrival or anytime within the past	Code System	
	three months. For example, if a patient had symptoms within the past three months (even if there are no	Name:	SNOMED CT
	symptoms on arrival to the hospital), code yes. If there is documentation of symptoms (e.g.	Short Name:	
	shortness of breath) but no documentation of heart failure, code yes. These indicate presence	Missing Data:	
	of symptomatic aortic stenosis.	Is Identifier:	Yes (BDS, TAVR) No
Target Value:	Any occurrence between 3 months prior to arrival at this facility and start of the procedure	Is Base Element:	
		Is Followup	No
		Element:	
		Data Type:	CD
		Precision: Selection Type:	Single
		Unit of Measure:	Single
		Default Value:	Null
		Usual Range:	
		Valid Range: Data Source:	llser
			Child Validation
		Element: 14273 Procedure	Transcatheter Valve Therapy
		Operator: Equal	i ypc
		Value: TAVR	
			AND
		Element: 13188 S Document	Symptoms of Aortic Stenosis Ned
		Operator: Equal Value: No (or Not	Answered)
Boolean w/Unknown - 1.3.6.1.4	1 19376 1 4 1 6 5 444		

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR





lement: 13188	Symptoms of Aortic Stenosis Not Documented	Technic	cal Specification
Coding Instruction:	Indicate whether there is no documentation of symptoms of aortic stenosis.	Code:	60573004
-		Code System Name:	SNOMED CT
Target Value:	N/A	Short Name:	
		Missing Data:	
		-	Yes (BDS, TAVR)
		Is Identifier:	
		Is Base Element:	
		Is Followup	No
		Element:	NO
		Data Type:	BL
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range: Data Source:	Lleor
			Child Validation
		Element: 14273 Procedure	Transcatheter Valve Therap
		Operator: Equal	туре
		Value: TAVR	
lement: 13191	Five Meter Walk Test Performed	Technic	cal Specification
Coding Instruction.	Indicate whether the five mater wells test was performed	Code:	112000001179
county instruction.	Indicate whether the five meter walk test was performed.	Code System	ACC NCDR
	Note: If the five meter walk test was performed, 3 walk tests should be documented. If the		
	patient is unable to walk for all three tests, document the tests that were completed.		FiveMWalkTest
		Missing Data:	Report
Target Value:	The last value between 90 days prior to the start of the current procedure and the start of	Harvested	Vec (BDS TA)/P)
Target Value:	The last value between 90 days prior to the start of the current procedure and the start of procedure		Yes (BDS, TAVR)
-	procedure	Is Identifier:	No
-	procedure Five Meter Walk Test	Is Identifier: Is Base Element:	No Yes
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals	Is Identifier:	No Yes
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup	No Yes No
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals	Is Identifier: Is Base Element: Is Followup Element:	No Yes No CD
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type:	No Yes No CD
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	No Yes No CD
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	No Yes No CD Single
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	No Yes No CD Single Null
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range:	No Yes No CD Single Null
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	No Yes No CD Single Null
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	No Yes No CD Single Null User Child Validation
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Element: 14273	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy
-	procedure Five Meter Walk Test An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery.	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy

Selection	Definition	Source	Code	Code System Name
Test Not Performed			112000001181	ACC NCDR
Test Performed			112000001180	ACC NCDR
Unable to Walk	The patient is physically unable to walk to perform test. For example, the patient is wheelchair bound shortness of breath or other symptoms that are so severe, they are unable to walk.	,has	112000001182	ACC NCDR





Section: Presentation a	nd Evaluation Pa	rent: Lab Visit		
Element: 13710	Six Minute Walk Test		Technic	al Specification
	Indicate whether the six minute walk test was performed.			252478000
-			Code System Name:	SNOMED CT
Target Value:	The last value between 90 days prior to the start of the current procedure	procedure and the start of		SixMinWalkPerf
	procedure		Missing Data:	
			-	Yes (TMVR, TMVrpr, TTVP)
			Is Identifier:	
			Is Base Element:	
			Is Followup	No
			Element:	
			Data Type:	BL
			Precision:	0. 1
			Selection Type: Unit of Measure:	Single
			Default Value:	Null
			Usual Range:	INUII
			Valid Range:	
			Data Source:	User
			Parent/0	Child Validation
		E		ranscatheter Valve Therapy
			Procedure	Гуре
		0	Dperator: Equal Value: TMVR	
		E	Element: 14273 T	ranscatheter Valve Therapy
			Procedure	Туре
		o	Operator: Equal	
			Value: Tricuspid V	
		E	Element: 14273 1 Procedure	ranscatheter Valve Therapy Type
		0	Dperator: Equal	
			Value: TMVr	





Section: STS Risk Score Parent: Presentation and Evaluation **Technical Specification** Element: 13698 Society of Thoracic Surgeons Risk Score Type Code: 112000001412 Coding Instruction: Indicate the patient's predicted risk of mortality for surgical valve replacement or repair as Code System ACC NCDR determined by the heart team and based on the Society for Thoracic Surgeon's risk model. Name: Short Name: STSRiskScoreType The following STS risk scores should be documented based on the STS Adult Cardiac Surgery Missing Data: Report Risk Calculator: Harvested: Yes (BDS, TAVR, TMVR, TAVR: Isolated aortic valve replacement TMVrpr) TMVR: Isolated mitral valve replacement Is Identifier: No Mitral Leaflet Clip Procedure: mitral valve repair and isolated mitral valve replacement Is Base Element: Yes Is Followup No Note: Currently there is not a risk score available for tricuspid procedures. Element: Data Type: CD Target Value: The last value prior to the start of the first procedure Precision: Vendor Instruction: When Society of Thoracic Surgeons Risk Score Type (13698) is Equal to (Society of Thoracic Selection Type: Single Surgeons Risk Score for Aortic Valve Replacement) then Transcatheter Valve Therapy Unit of Measure: Procedure Type (14273) must be Equal to (TAVR) Default Value: Null Usual Range: When Society of Thoracic Surgeons Risk Score Type (13698) is Equal to (Society of Thoracic Surgeons Risk Score for Mitral Valve Repair) then Transcatheter Valve Therapy Procedure Valid Range: Type (14273) must be Equal to (TMVr) Data Source: User **Parent/Child Validation** When Society of Thoracic Surgeons Risk Score Type (13698) is Equal to (Society of Thoracic Surgeons Risk Score for Mitral Valve Replacement) then Transcatheter Valve Therapy Element: 14273 Transcatheter Valve Therapy Procedure Type Procedure Type (14273) must be Equal to (TMVR,TMVr) Operator: Equal A Society of Thoracic Surgeons Risk Score Type (13698) may only be entered/selected once Value: TAVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVr Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Society of Thoracic Surgeons Risk Score Type - 1.3.6.1.4.1.19376.1.4.1.6.5.693

Selection	Definition	Source	Code	Code System Name
Society of Thoracic Surgeons Risk Score for Aortic Valve Replacement			112000001796	ACC NCDR
Society of Thoracic Surgeons Risk Score for Mitral Valve Repair			112000001795	ACC NCDR
Society of Thoracic Surgeons Risk Score for Mitral Valve Replacement			112000001793	ACC NCDR





Section: STS Risk Score	Parent: Presentation and Ev	Evaluation		
Element: 14271	Society of Thoracic Surgeons Risk Score Measurement		al Specification	
Coding Instruction:	Indicate the patient's predicted risk of mortality for surgical valve replacement or repair as determined by the heart team and based on the Society for Thoracic Surgeon's risk calculator (https://www.sts.org/resources/risk-calculator)	Code System Name:	ACC NCDR STSRiskScoreValue	
Target Value:	The last value prior to the start of the first procedure	Missing Data:		
		Is Identifier: Is Base Element:	Yes	
		Is Followup Element:		
		Data Type: Precision:	6,3	
		Selection Type: Unit of Measure: Default Value:	%	
		Usual Range:	2.000 - 15.000 % 0.000 - 100.000 %	
		Data Source:	User Child Validation	
			Society of Thoracic Surgeons	
		Operator: Value: Any Value		





Section: Shared Decision Making Parent: Presentation and Evaluation **Technical Specification** Element: 14732 Shared Decision Making Code: 112000002041 Code System ACC NCDR Coding Instruction: Indicate if shared decision making was performed for the procedure. Target Value: The value on current procedure Short Name: SDM Proc Supporting Definition: Shared Decision Making Missing Data: Report Shared decision making occurs when a health care provider and a patient work together to Harvested: Yes (BDS, TAVR, TMVR, make a health care decision that is best for the patient. TMVrpr, TTVP) The optimal decision takes into account evidence-based information about available options, Is Identifier: No the provider's knowledge and experience, and the patient's values and preferences. Is Base Element: Yes Is Followup No Source: AHRQ.gov Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: User **Technical Specification** Element: 14733 Shared Decision Making Tool Used Code: 415806002 Coding Instruction: Indicate if a shared decision making tool was used. Code System SNOMED CT Name: Target Value: The value on current procedure Short Name: SDM_Tool Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14732 Shared Decision Making Operator: Equal Value: Yes





Section: Shared Decision	on Making	Parent: Presentation and Evalua	ation	
Element: 14734	Shared Decision Making Tool Name		Technic	al Specification
				405083000
Coding Instruction:	Indicate what tool was used. If the tool used is not in the drop-down list, please co added.	ntact NCDR@acc.org to have a selection	Code System Name:	SNOMED CT
	added.		Short Name:	SDM_Tool_Name
Target Value:	The value on current procedure		Missing Data:	Report
				Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
			Is Identifier:	No
		Is	Base Element:	
			Is Followup Element:	No
			Data Type:	CD
			Precision:	
			Selection Type:	Single (Dynamic List)
		U	nit of Measure:	
			Default Value:	
			Usual Range:	
			Valid Range:	
			Data Source:	User
			Parent/0	Child Validation
		Eler	ment: 14733 S Used	hared Decision Making Tool
		Oper	rator: Equal	
		V	/alue: Yes	
hared Decision Making Tools	s - 1.3.6.1.4.1.19376.1.4.1.6.5.765			
election [Definition	Source	c	ode Code System Na

 Selection
 Definition
 Source
 Code
 Code System Name

 Other Shared Decision Making Tool
 100000351
 ACC NCDR





Section: KCCQ12	Parent: Presentation and E	valuation
Element: 13843	Kansas City Cardiomyopathy Questionnaire 12 Performed	Technical Specification
Coding Instruction:	Indicate if the baseline Kansas City Cardiomyopathy Questionnaire (KCCQ-12) was performed.	Code: 112000001540
-	The last value between 90 days prior to the start of the current procedure and the start of	Code System Name: ACC NCDR
ranget value.	procedure	Short Name: KCCQ12_Performed
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
lement: 13846	Kansas City Cardiomyopathy Questionnaire 12 Question 1a	Technical Specification
Coding Instruction		Code: 112000001541
coung instruction.	Indicate the patient's response to the Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Question 1a. Heart Failure Limitation - Showering/bathing	Code System Name: ACC NCDR
Target Value:	The last value between 90 days prior to the start of the current procedure and the start of	Short Name: KCCQ12_1a
	procedure	Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Selection Type: Single Unit of Measure:
		Selection Type: Single Unit of Measure: Default Value: Null
		Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
		Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
		Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
		Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13843 Kansas City Cardiomyopa
		Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation

Kansas City Cardiomyopathy Questionnaire 1a thru 1c - 1.3.6.1.4.1.19376.1.4.1.6.5.570

Selection	Definition	Source	Code	Code System Name
1 - Extremely Limited			100001173	ACC NCDR
2 - Quite a Bit Limited			100001171	ACC NCDR
3 - Moderately Limited			100001170	ACC NCDR
4 - Slightly Limited			100014042	ACC NCDR
5 - Not at All Limited			100001167	ACC NCDR
6 - Limited for Other R or Did Not Do These A			100014041	ACC NCDR



4 - Slightly Limited

5 - Not at All Limited

6 - Limited for Other Reasons

or Did Not Do These Activities

Full Specifications Data Dictionary v3.0



100014042

100001167

100014041

ACC NCDR

ACC NCDR ACC NCDR

Section: KCCQ12	Parent: Presentation and Evaluation			
Element: 13848	Kansas City Cardiomyopathy Questionnaire 12 Qu	estion 1b	Technical Sp	ecification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyo Question 1b.	pathy Questionnaire (KCCQ-12)	Code: 112000 Code System Name: ACC N	0001542 CDR
	Heart Failure Limitation - Walking 1 block on level ground		Short Name: KCCQ Missing Data: Report	-
Target Value:	The last value between 90 days prior to the start of the curre procedure	ent procedure and the start of	Harvested: Yes (B TMVrp Is Identifier: No	DS, TAVR, TMVR, r, TTVP)
			Is Base Element: Yes	
			Is Followup Element: No Data Type: CD	
			Precision: Selection Type: Single	
			Unit of Measure: Default Value: Null	
			Usual Range:	
			Valid Range: Data Source: User	
			Questionnaire 12	City Cardiomyopathy
			Operator: Equal Value: Yes	
	Questionnaire 1a thru 1c - 1.3.6.1.4.1.19376.1.4.1.65.570 Definition Source	9	Code	Code System Nam
- Extremely Limited			100001173	ACC NCI
2 - Quite a Bit Limited			100001171	ACC NCE
B - Moderately Limited			100001170	ACC NCE





Section: KCCQ12	Parent: Presentation and Evaluation			
Element: 13849	Kansas City Cardiomyopathy Questionnaire 12 Q	uestion 1c	Technical Sp	ecification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomy Question 1c.	opathy Questionnaire (KCCQ-12)	Code: 11200 Code System Name:	
	Heart Failure Limitation - Hurrying or jogging		Short Name: KCCQ Missing Data: Repor	t
Target Value:	The last value between 90 days prior to the start of the curr procedure	rent procedure and the start of	Harvested: Yes (E TMVrp Is Identifier: No	or, TTVP)
			Is Base Element: Yes Is Followup	
			Element: No Data Type: CD	
			Precision: Selection Type: Single	
			Unit of Measure: Default Value: Null	
			Usual Range: Valid Range:	
			Data Source: User Parent/Child	Validation
			Element: 13843 Kansas Questionnaire 12	City Cardiomyopathy
			Operator: Equal Value: Yes	
	Questionnaire 1a thru 1c - 1.3.6.1.4.1.19376.1.4.1.6.5.570 Definition Source		Code	Code System Nan
I - Extremely Limited			100001173	ACC NCI
2 - Quite a Bit Limited			100001171	ACC NCE
3 - Moderately Limited			100001170	ACC NC

 3 - Moderately Limited
 100001170

 4 - Slightly Limited
 100014042

 5 - Not at All Limited
 100001167

 6 - Limited for Other Reasons
 100014041

 or Did Not Do These Activities
 100014041

ACC NCDR

ACC NCDR ACC NCDR





Section: KCCQ12	Parent: Presentation and Evaluation			
Element: 13851	Kansas City Cardiomyopathy Questionnaire 12 Question 2	Technical Specification		
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyopathy Questionnaire (K Question 2.	CCQ-12) Code: 112000001544 Code System Name: ACC NCDR		
	Symptom Frequency - swelling in legs	Short Name: KCCQ12_2 Missing Data: Report		
Target Value:	The last value between 90 days prior to the start of the current procedure and the procedure	Is Identifier: No		
		Is Base Element: Yes Is Followup Element: No		
		Data Type: CD Precision: Selection Type: Single		
		Unit of Measure: Default Value: Null		
		Usual Range: Valid Range: Data Source: User		
		Parent/Child Validation		
		Element: 13843 Kansas City Cardiomyopathy Questionnaire 12 Performed Operator: Equal Value: Yes		
ansas City Cardiomyopathy	Questionnaire 12 Answer to Question 2 - 1.3.6.1.4.1.19376.1.4.1.6.5.571			
	efinition Source	Code Code System N		
- Every Morning		112000001553 ACC N		
- Three or More Times Per Veek But Not Everyday		112000001554 ACC N		
- One to Two Times Per		112000001555 ACC M		

3 - One to Two Times Per	112000001555	ACC NCDR
Week		
4 - Less Than Once a Week	112000001556	ACC NCDR
5 - Never Over the Past Two Weeks	112000001557	ACC NCDR



Week But Not Everyday



Section: KCCQ12	Parent: Presentation and Evaluation			
Element: 13853	Kansas City Cardiomyopathy Questionnair	e 12 Question 3	Technic	al Specification
Coding Instruction:	Indicate the patient's response to the Kansas City C Question 3.	Cardiomyopathy Questionnaire (KCCQ-12)	Code: Code System Name:	112000001545 ACC NCDR
	Symptom Frequency - fatigue		Short Name: Missing Data:	Report
Target Value:	The last value between 90 days prior to the start of procedure	f the current procedure and the start of		Yes No CD Single
			Valid Range: Data Source:	
			Element: 13843	Child Validation Kansas City Cardiomyopathy aire 12 Performed
	Questionnaire 12 Answer to Question 3 and 4 - Definition	1.3.6.1.4.1.19376.1.4.1.6.5.572 Source		Code Code System Nar
- All the Time			11200000	····
- Several Times Per Day			11200000	ACC NC
3 - At Least Once Per Day			11200000	ACC NC
4 - Three or More Times Per			11200000	ACC NC

The Burnet Everyday		
5 - One to Two Times Per	112000001555	ACC NCDR
Week		
6 - Less Than Once a Week	112000001556	ACC NCDR
7 - Never Over the Past Two	112000001557	ACC NCDR
Weeks		





Section: KCCQ12	Parent: Presentation and Evaluation			
Element: 13855	Kansas City Cardiomyopathy Questionnaire 12 Question 4	Techn	ical Specification	
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyopathy Questionnaire (KC Question 4.		e: 112000001546 m ACC NCDR e:	
	Symptom Frequency - shortness of breath	Short Name Missing Data	e: KCCQ12_4 a: Report	
Target Value:	The last value between 90 days prior to the start of the current procedure and the start procedure	art of Is Identifie	 H: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) r: No 	
		Is Base Elemen	t: Yes	
		ls Followu Elemen	t:	
		Data Type Precision		
		Selection Type Unit of Measure	0	
		Default Value Usual Range Valid Range Data Source	e: 9:	
		Paren	t/Child Validation	
		Element: 13843 Question Operator: Equal Value: Yes	Kansas City Cardiomyopathy naire 12 Performed	
	Questionnaire 12 Answer to Question 3 and 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.572			
	Definition Source		Code Code System Nar	
I - All the Time		112000		
2 - Several Times Per Day		112000		
 At Least Once Per Day Three or More Times Per Veek But Not Everyday 		112000 112000		

5 - One to Two Times Per	112000001555	ACC NCDR
Week		
6 - Less Than Once a Week	112000001556	ACC NCDR
7 - Never Over the Past Two	112000001557	ACC NCDR
Weeks		



Week

Weeks

4 - Less Than Once a Week

5 - Never Over the Past Two

Full Specifications Data Dictionary v3.0



112000001556

112000001557

ACC NCDR

ACC NCDR

Section: KCCQ12	Parent: Presentation and Evaluation				
Element: 13857	Kansas City Cardiomyopathy C	Questionnaire 12 Question 5	Technic	Technical Specification	
Coding Instruction:	Indicate the patient's response to the Question 5.	Kansas City Cardiomyopathy Questionnaire (KCCQ-12)	Code: Code System Name:	112000 ACC N0	
	Symptom Frequency - sleep sitting up	p due to shortness of breath	Short Name: Missing Data:	Report	-
Target Value:	The last value between 90 days prior procedure	r to the start of the current procedure and the start of	Is Identifier: Is Base Element: Is Followup	TMVrpr No Yes	DS, TAVR, TMVR, , TTVP)
			Element: Data Type: Precision: Selection Type:	CD	
			Unit of Measure: Default Value: Usual Range: Valid Range:		
			Data Source:	User	
				(ansas (Validation Dity Cardiomyopathy Performed
		ion 5 - 1.3.6.1.4.1.19376.1.4.1.6.5.704	-		
	Definition	Source		Code	Code System Nar
- Every Night - Three or More Times Per Veek But Not Everyday			11200000		ACC NCI
- One to Two Times Per			11200000	1555	ACC NC





100014052

100014053

ACC NCDR

ACC NCDR

Section: KCCQ12		Parent: Presentation and E	valuation		
Element: 13859	Kansas City Cardiomyopathy Questionnaire 1	2 Question 6	Technic	al Spec	ification
Coding Instruction:	Indicate the patient's response to the Kansas City Card Question 6.	omyopathy Questionnaire (KCCQ-12)	Code: Code System Name:	1120000 ACC NCE	01548 DR
	Quality of Life - effect on enjoyment of life due to heart	failure	Short Name: Missing Data: Harvested:	Report	_6 S, TAVR, TMVR,
Target Value:	The last value between 90 days prior to the start of the procedure	e current procedure and the start of		TMVrpr,	
			Is Base Element: Is Followup Element:		
			Data Type: Precision:	CD	
			Selection Type: Unit of Measure:		
			Default Value: Usual Range: Valid Range:		
			Data Source:		alidation
				ansas Ci	ty Cardiomyopathy
	Questionnaire 12 Answer to Question 6 - 1.3.6.1.4.	1.19376.1.4.1.6.5.573			
1 - It Has Extremely Limited My	efinition S	ource	10001	4049	Code System Nam
Enjoyment of Life 2 - It Has Limited My Enjoyment of Life Quite a Bit			10001	4050	ACC NCE
3 - It Has Moderately Limited Ay Enjoyment of Life			10001	4051	ACC NCI

4 - It Has Slightly Limited My Enjoyment of Life
5 - It Has Not Limited My Enjoyment of Life at All



4 - Mostly Satisfied

5 - Completely Satisfied

Full Specifications Data Dictionary v3.0



Section: KCCQ12		Parent: Presentation and E	valuation		
Element: 13861	Kansas City Cardiomyopathy Questionnaire 12 G	uestion 7	Technie	cal Spe	cification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiom Question 7.	opathy Questionnaire (KCCQ-12)	Code: Code System Name:		
	Quality of life - remaining life with heart failure		Short Name: Missing Data:	Report	-
Target Value:	The last value between 90 days prior to the start of the cu procedure	rrent procedure and the start of	Is Identifier:	TMVrpr,	DS, TAVR, TMVR, , TTVP)
			Is Base Element:		
			Is Followup Element:	No	
			Data Type:		
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
			Parent/	Child V	/alidation
			Element: 13843 Questionn		City Cardiomyopathy Performed
			Operator: Equal		
			Value: Yes		
ansas City Cardiomyopathy	Questionnaire 12 Answer to Question 7 - 1.3.6.1.4.1.19	376.1.4.1.6.5.574			
	Definition South			Code	Code System Na
- Not At All Satisfied			1120000	01561	ACC NO
- Mostly Dissatisfied			1120000	01562	ACC NO
- Somewhat Satisfied			1120000	01563	ACC NC

ACC NCDR

ACC NCDR

112000001564

112000001565





112000001569

112000001570

ACC NCDR ACC NCDR

Section: KCCQ12	Parent: F	Presentation and Eva	aluation	
Element: 13863	Kansas City Cardiomyopathy Questionnaire 12 Question 8a	1	Technical	Specification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyopathy Ques Question 8a.	stionnaire (KCCQ-12)	Code: 1 ⁻ Code System _A Name:	12000001550 CC NCDR
	Social limitation - hobbies, recreational activities		Short Name: K Missing Data: R	eport
Target Value:	The last value between 90 days prior to the start of the current procedure	ure and the start of		es 0
			Selection Type: S Unit of Measure: Default Value: N Usual Range: Valid Range: Data Source: U	ull
		c	Element: 13843 Kar	nild Validation nsas City Cardiomyopathy e 12 Performed
	Questionnaire 12 Answer to Question 8 - 1.3.6.1.4.1.19376.1.4.1.6. efinition Source	5.575	Co	de Code System Nan
- Severely Limited			1120000015	
- Limited Quite a Bit			1120000015	67 ACC NCE
- Moderately Limited			1000011	ACC NCE
- Slightly Limited			1000140	ACC NCE



5 - Did Not Limit at All

Do for Other Reasons

6 - Does Not Apply or Did Not

Full Specifications Data Dictionary v3.0



112000001569

112000001570

ACC NCDR ACC NCDR

Section: KCCQ12	Parent: Prese	entation and Evaluation	
Element: 13865	Kansas City Cardiomyopathy Questionnaire 12 Question 8b	Technica	al Specification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyopathy Questionna Question 8b.		112000001551 ACC NCDR
	Social limitation - working or doing household chores	Short Name: Missing Data:	Report
Target Value:	The last value between 90 days prior to the start of the current procedure an procedure	d the start of Is Identifier:	
		Is Base Element: Is Followup Element:	
		Data Type: Precision:	
		Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range:	
		Data Source:	
		Element: 13843 K	hild Validation ansas City Cardiomyopathy ire 12 Performed
	Questionnaire 12 Answer to Question 8 - 1.3.6.1.4.1.19376.1.4.1.6.5.575		ada Cada Sustan Nor
- Severely Limited	Definition Source	C	ode Code System Nan 566 ACC NCE
- Limited Quite a Bit		11200000	
- Moderately Limited		100001	
- Slightly Limited		100014	





Element: 13867	Kansas City Cardiomyopathy Questionnaire 12 Question 8c	Technical Sp	ecification
		Code: 11200	
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Question 8c.	Code System Name: ACC N	
	Social limitation - visiting family or friends	Short Name: KCCQ	12_8c
		Missing Data: Report	t
Target Value:	The last value between 90 days prior to the start of the current procedure and the start of procedure		BDS, TAVR, TMVR, or, TTVP)
	procedure	Is Identifier: No	
		Is Base Element: Yes Is Followup Element: No	
		Element: No	
		Data Type: CD	
		Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child	Validation
			City Cardiomyopathy
		Questionnaire 12	
		Operator: Equal	
		Value: Yes	
	Questionnaire 12 Answer to Question 8 - 1.3.6.1.4.1.19376.1.4.1.6.5.575 Definition Source	Code	Code System Nan
I - Severely Limited		112000001566	ACC NC
2 - Limited Quite a Bit			
3 - Moderately Limited		112000001567	
		112000001567 100001170	ACC NCI
•			ACC NC
4 - Slightly Limited 5 - Did Not Limit at All		100001170	ACC NCI ACC NCI ACC NCI
4 - Slightly Limited		100001170 100014042	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI
4 - Slightly Limited 5 - Did Not Limit at All 6 - Does Not Apply or Did Not Do for Other Reasons	KCCQ Overall Summary Score	100001170 100014042 112000001569	ACC NC ACC NC ACC NC ACC NC ACC NC
4 - Slightly Limited 5 - Did Not Limit at All 5 - Does Not Apply or Did Not Do for Other Reasons Element: 14310	KCCQ Overall Summary Score	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification
4 - Slightly Limited 5 - Did Not Limit at All 5 - Does Not Apply or Did Not Do for Other Reasons Element: 14310	KCCQ Overall Summary Score (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score.	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System	ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC ecification
4 - Slightly Limited 5 - Did Not Limit at All 5 - Does Not Apply or Did Not Do for Other Reasons Element: 14310	(Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score.	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: ACC N	ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC 0001540
4 - Slightly Limited 5 - Did Not Limit at All 5 - Does Not Apply or Did Not Do for Other Reasons Element: 14310	(Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: ACC N Name: KCCQ	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ICDR ICDR I12_Overall
4 - Slightly Limited 5 - Did Not Limit at All 5 - Does Not Apply or Did Not Do for Other Reasons Element: 14310	(Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score.	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: Short Name: KCCQ Missing Data: Report Harvested: Yes (B	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ICDR I12_Overall t 3DS, TAVR, TMVR,
4 - Slightly Limited 5 - Did Not Limit at All 5 - Does Not Apply or Did Not Do for Other Reasons Element: 14310	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: ACC N Name: KCCQ Missing Data: Report Harvested: Yes (B TMVrp	ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC COUNT ACC NC ACC ACC ACC ACC ACC ACC ACC ACC ACC AC
Slightly Limited Joid Not Limit at All Does Not Apply or Did Not Do for Other Reasons Element: 14310 Coding Instruction:	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document provided by the STS/ACC TVT Registry. 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: ACC N Name: KCCQ Missing Data: Report Harvested: Yes (E TMVrp Is Identifier: No	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ICDR I12_Overall t 3DS, TAVR, TMVR,
Slightly Limited Joid Not Limit at All Does Not Apply or Did Not Do for Other Reasons Element: 14310 Coding Instruction:	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System ACC N Name: ACC N Short Name: KCCQ Missing Data: Report Harvested: Yes (B TMVrp Is Identifier: No Is Base Element: Yes	ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC ICDR Internation ICDR Internation ICDR Internation ICDR Internation
Slightly Limited Joid Not Limit at All Does Not Apply or Did Not Do for Other Reasons Element: 14310 Coding Instruction:	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document provided by the STS/ACC TVT Registry. 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 ACC N Name: Short Name: KCCQ Missing Data: Report Harvested: Yes Is Is Base Element: Yes Is Followup No Element: No	ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC ICDR Internation ICDR Internation ICDR Internation ICDR Internation
Slightly Limited Joid Not Limit at All Does Not Apply or Did Not Do for Other Reasons Element: 14310 Coding Instruction:	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document provided by the STS/ACC TVT Registry. 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: Short Name: KCCQ Missing Data: Report Harvested: Yes (B TMVrp Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: NUM	ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC ACC NC ICDR Internation ICDR Internation ICDR Internation ICDR Internation
Slightly Limited Joid Not Limit at All Does Not Apply or Did Not Do for Other Reasons Element: 14310 Coding Instruction:	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document provided by the STS/ACC TVT Registry. 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 ACC N Name: Short Name: KCCQ Missing Data: Report Harvested: Yes Is Is Base Element: Yes Is Followup No Element: No	ACC NC ACC ACC ACC ACC ACC ACC ACC ACC ACC AC
4 - Slightly Limited 5 - Did Not Limit at All 6 - Does Not Apply or Did Not Do for Other Reasons Element: 14310 Coding Instruction:	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document provided by the STS/ACC TVT Registry. 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: Short Name: KCCQ Missing Data: Report Harvested: Yes (B TMVrp Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: NUM Precision: 5,2	ACC NC ACC ACC ACC ACC ACC ACC ACC ACC ACC AC
4 - Slightly Limited 5 - Did Not Limit at All 6 - Does Not Apply or Did Not Do for Other Reasons Element: 14310 Coding Instruction:	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document provided by the STS/ACC TVT Registry. 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: Short Name: KCCQ Missing Data: Report Harvested: Yes (B TMVrp Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: NUM Precision: 5,2 Selection Type: Single Unit of Measure: Default Value: Null	ACC NC ACC NC
- Slightly Limited - Did Not Limit at All - Does Not Apply or Did Not to for Other Reasons Element: 14310 Coding Instruction:	 (Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score. Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document provided by the STS/ACC TVT Registry. 	100001170 100014042 112000001569 112000001570 Technical Sp Code: 11200 Code System Name: Short Name: KCCQ Missing Data: Report Harvested: Yes (B TMVrp Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: NUM Precision: 5,2 Selection Type: Single Unit of Measure:	ACC NCI ACC NCI

Data Source: Computed Parent/Child Validation

Valid Range:

Element: 13843 Kansas City Cardiomyopathy Questionnaire 12 Performed Operator: Equal Value: Yes



Section: Five Meter Walk Test

Parent: Presentation and Evaluation



Technical Specification Element: 13199 Five Meter Walk Test Counter Code: 11200002003 Code System ACC NCDR Coding Instruction: The software assigned five meter walk test counter should start at one and be incremented by one for each test performed, in chronological order, during the clinical encounter. The five meter walk test number should be assigned sequentially in ascending order. Do not skip Short Name: FiveMWTCounter numbers. Missing Data: Report Harvested: Yes (BDS, TAVR) Note: If the five meter walk test was performed, 3 walk tests should be documented. If the Is Identifier: No patient is unable to walk for all three tests, document the tests that were completed. Is Base Element: Yes Target Value: N/A Is Followup No Supporting Definition: Five Meter Walk Test Element: Data Type: CTR An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals who are candidates for cardiac surgery. Precision: Selection Type: Single Source: Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: Automatic Parent/Child Validation Element: 13191 Five Meter Walk Test Performed Operator: Equal Value: Test Performed **Technical Specification** Element: 13201 Five Meter Walk Test Time Code: 112000001184 Coding Instruction: Indicate the value of the five meter walk test in seconds. Code System Name: ACC NCDR Target Value: The value on current admission Short Name: FiveMWTTime Supporting Definition: Five Meter Walk Test Missing Data: Report An outcome measure in STS the Adult Cardiac Surgery Database to predict frailty in individuals Harvested: Yes (BDS, TAVR) who are candidates for cardiac surgery. Is Identifier: No Source: Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3.0 Selection Type: Single Unit of Measure: sec Default Value: Null Usual Range: 1 - 100 sec Valid Range: 1 - 500 sec Data Source: User

Parent/Child Validation

Element: 13191 Five Meter Walk Test Performed Operator: Equal Value: Test Performed





Section: Six Minute Wa	R Test Parent: Presentation a	Parent: Presentation and Evaluation		
Element: 13711	Six Minute Walk Test Date	Technical Specification		
Coding Instruction:	Six Minute Walk Test Date Indicate the date the six minute walk test was performed. The last value between 90 days prior to the start of the current procedure and the start of procedure	Code: 252478000 Name: SNOMED CT Short Name: SixMinWalkDate Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: Data Type: DT Precision: Single Unit of Measure: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13710		
Element: 13712	Six Minute Walk Test Total Distance	Operator: Equal Value: Yes Technical Specification		
-	Indicate the total distance, in feet, the patient walked. The last value between 90 days prior to the start of the current procedure and the start of procedure	Code: 112000001422 Code System Name: ACC NCDR Short Name: SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: Yes Is Followup No Element: PQ Precision: 4,0 Selection Type: Single Unit of Measure: It Default Value: Null Usual Range: 1 - 3,000 ft Valid Range: User		
		Parent/Child Validation Element: 13710 Six Minute Walk Test Operator: Equal Value: Yes		





Section: Six Minute Walk Test Parent: Presentation and Evaluation Element: 14262 Six Minute Walk Test Reason Not Performed **Technical Specification** Code: 252478000 Coding Instruction: Indicate the reason why the six minute walk test was not performed. Code System Name: SNOMED CT Target Value: The last value between 90 days prior to the start of the current procedure and the start of Short Name: SixMinWalkReason procedure Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User **Parent/Child Validation** Element: 13710 Six Minute Walk Test Operator: Equal Value: No Six Minute Walk Test Reason Not Performed - 1.3.6.1.4.1.19376.1.4.1.6.5.544

Selection	Definition	Source	Code	Code System Name
Non-Cardiac Reason			112000001418	ACC NCDR
Cardiac Reason			112000001419	ACC NCDR
Patient Not Willing to Wa	alk		112000001420	ACC NCDR
Not Performed by Site			112000001421	ACC NCDR





Parent: Presentation and Evaluation

Element: 6030	Hemoglobin	Technical Specification
Coding Instruction:	Indicate the hemoglobin (Hgb) value in g/dL.	Code: 718-7 Code System Name: LOINC
	Note(s): This may include POC (Point of Care) testing results or results obtained prior to arrival at this facility.	Short Name: HGB Missing Data: Report
Target Value:	The last value within 30 days prior to the first procedure in this admission	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Supporting Definition:	 Hemoglobin Hemoglobin (Hb or Hgb) is the iron-containing oxygen-transport metalloprotein in the red blood cells. It carries oxygen from the lungs to the rest of the body (i.e. the tissues) where it releases the oxygen to burn nutrients and provide energy. Hemoglobin concentration measurement is among the most commonly performed blood tests, usually as part of a complete blood count. If the concentration is below normal, this is called anemia. Anemias are classified by the size of red blood cells: "microcytic" if red cells are small, "macrocytic" if they are large, and "normocytic" if otherwise. Dehydration or hyperhydration can greatly influence measured hemoglobin levels. Source: http://s.details.loinc.org/LOINC/718-7.html?sections=Simple 	Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 4,2 Selection Type: Single Unit of Measure: g/dL Default Value: Null Usual Range: 5.00 - 20.00 g/dL Valid Range: 1.00 - 50.00 g/dL Data Source: User Parent/Child Validation Element: 6031 Hemoglobin Not Drawn Operator: Equal Value: No (or Not Answered)
- lamanta 2024		Technical Specification
Element: 6031	Hemoglobin Not Drawn	Code: 718-7
-	Indicate if the hemoglobin was not drawn. The last value within 30 days prior to the first procedure in this admission	Code System Name:
raiger value.		Short Name: HGBND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Flowup
		Is Followup Element:

Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





Element: 6035	Sodium	Technical Specification
Coding Instruction:	Indicate the sodium (Na) level, in mEq/L.	Code: 2950-4
-	The last value within 30 days prior to the first procedure in this admission	Code System Name:
-		Short Name: Sodium
Supporting Definition:		Missing Data: Report
	Sodium is an essential nutrient that regulates blood volume, blood pressure, osmotic equilibrium and electrolyte balance. Sodium chloride is the principal source of sodium in the diet, and is used for seasoning and as a preservative. Increased levels of sodium intake can cause	Harvested: Yes (TAVR, TMVR, TMVrp TTVP)
	hypertension and reportedly leads to 7.6 million premature deaths worldwide. Sodium is also	Is Identifier: No
	important in neuron function and osmoregulation between cells and the extracellular fluid.	Is Base Element: Yes
	Source: http://s.details.loinc.org/LOINC/2950-4.html?sections=Simple	Is Followup Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mEq/L
		Default Value: Null
		Usual Range: 120 - 150 mEq/L Valid Range: 1 - 300 mEq/L
		Data Source: User
		Parent/Child Validation Element: 6036 Sodium Not Drawn
		Element: 6036 Sodium Not Drawn Operator: Equal
		operator. Equal
		Value: No (or Not Answered)
		Value: No (or Not Answered)
Element: 6036	Sodium Not Drawn	Value: No (or Not Answered) Technical Specification
	Sodium Not Drawn	Technical Specification Code: 2950-4
	Sodium Not Drawn Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System
Coding Instruction:		Technical Specification Code: 2950-4 Code System Name:
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System Name: Short Name:
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System Name: Short Name: SolumND Missing Data: Report
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System Name: Short Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP)
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System Name: LOINC Short Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier:
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System LOINC Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System Name: LOINC Short Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier:
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System LOINC Name: Short Name: Short Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Element: No Data Type: BL
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System LOINC Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Precision:
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System LOINC Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type:
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System LOINC Name: LOINC Short Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: Is Followup No Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the sodium level was not drawn.	Technical Specification Code 2950-4 Code System LOINC Name: LOINC Short Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVr, TMVrp) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
C C	Indicate if the sodium level was not drawn.	Technical Specification Code: 2950-4 Code System LOINC Name: LOINC Short Name: SodiumND Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: Is Followup No Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure:





Parent: Presentation and Evaluation

lement: 6050	Creatinine	Technic	cal Specification
Coding Instruction:	Indicate the creatinine (Cr) level mg/dL.	Code: Code System	2160-0
		Name:	
	Note(s): This may include POC (Point of Care) testing results or results obtained prior to arrival at this	Short Name:	PreProcCreat
	facility.	Missing Data:	Report
Target Value:	The last value between 30 days prior to the procedure and the current procedure	Harvested:	Yes (BDS, TAVR, TMVF TMVrpr, TTVP)
Supporting Definition:	Creatinine	Is Identifier:	No
	Creatinine or creatine anhydride, is a breakdown product of creatine phosphate in muscle. The	Is Base Element:	
	loss of water molecule from creatine results in the formation of creatinine. It is transferred to	Is Followup	No
	the kidneys by blood plasma, whereupon it is eliminated by glomerular filtration and partial	Element:	
	tubular excretion. Creatinine is usually produced at a fairly constant rate and measuring its	Data Type: Precision:	
	serum level is a simple test. A rise in blood creatinine levels is observed only with marked damage to functioning nephrons; therefore this test is not suitable for detecting early kidney	Selection Type:	,
	disease. Creatine and creatinine are metabolized in the kidneys, muscle, liver and pancreas.	Unit of Measure:	•
	Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple	Default Value:	•
			0.10 - 5.00 mg/dL
		-	0.10 - 30.00 mg/dL
		Data Source:	0
		Baront/	Child Validation
			reatinine Not Drawn
		Operator: Equal	
		Value: No (or Not	t Answered)
			() () () () () () () () () () () () () (
ement: 6051	Creatinine Not Drawn		cal Specification
		Code:	2160-0
Coding Instruction	Indicate if a creatinine level was not drawn		
Coding Instruction: Target Value:	Indicate if a creatinine level was not drawn. N/A	Code System Name:	
-		Name:	
-		Name:	PreProcCreatND
-		Name: Short Name: Missing Data:	PreProcCreatND Report
-		Name: Short Name: Missing Data:	PreProcCreatND Report Yes (BDS, TAVR, TMV TMVrpr, TTVP)
-		Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	PreProcCreatND Report Yes (BDS, TAVR, TMV TMVrpr, TTVP) No Yes
-		Name: Short Name: Missing Data: Harvested: Is Identifier:	PreProcCreatND Report Yes (BDS, TAVR, TMV TMVrpr, TTVP) No Yes
-		Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	PreProcCreatND Report Yes (BDS, TAVR, TMV TMVrpr, TTVP) No Yes No
-		Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	PreProcCreatND Report Yes (BDS, TAVR, TMV TMVrpr, TTVP) No Yes No
-		Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	PreProcCreatND Report Yes (BDS, TAVR, TMV TMVrpr, TTVP) No Yes No BL
-		Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	PreProcCreatND Report Yes (BDS, TAVR, TMV TMVrpr, TTVP) No Yes No BL Single

Usual Range: Valid Range: Data Source: User





Parent: Presentation and Evaluation

Section: Pre-Procedure	Clinical Data Parent: Presentation and E	
Element: 6055	Bilirubin (Total)	Technical Specification
Codina Instruction:	Indicate the total bilirubin (mg/dL)	Code: 42719-5
J		Code System Name: LOINC
	Note(s):	Short Name: Bilirubin
	This may include POC (Point of Care) testing results.	Missing Data: Report
Target Value:	The last value between 30 days prior to the procedure and the current procedure	Harvested: Yes (TAVR, TTVP)
Supporting Definition:	Bilirubin (Total)	Is Identifier: No
	Bilirubin is the brownish yellow breakdown product of normal red blood cell, specifically heme,	Is Base Element: Yes
	catabolism. Bilirubin is excreted in bile, and its levels are elevated in certain diseases including	' Is Followup Element:
	bile obstruction, hepatitis, cirrhosis, liver or pancreatic tumor, hemolysis, certain medications	D / D DO
	and inherited disorders. Levels of bilirubin in amniotic fluid are indicative of the severity of fetal hemolysis as in Rh disease. It is responsible for the brownish yellow color of bruises and in	Precision: 4,2
	jaundice.	Selection Type: Single
	Source: http://s.details.loinc.org/LOINC/42719-5.html?sections=Simple	Unit of Measure: mg/dL
		Default Value: Null
		Usual Range: 0.05 - 1.50 mg/dL
		Valid Range: 0.01 - 30.00 mg/dL
		Data Source: User
		Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 6056 Bilirubin Not Drawn Operator: Equal
		Value: No (or Not Answered)
Element: 6056	Bilirubin Not Drawn	Technical Specification Code: 42719-5
Coding Instruction:	Indicate if the total Bilirubin was not drawn.	Code System Name: LOINC
Target Value:	N/A	Name:
- 5 -		Short Name: BilirubinND
		Missing Data: Report
		Harvested: Yes (TAVR, TTVP)
		Is Identifier: No Is Base Element: Yes
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TAVR
		Flement: 1/273 Transcatheter Valve Therapy





Element: 14210	Albumin	Technical Specification Code: 52454007
Coding Instruction:	Indicate the total albumin (in g/dL).	Code System
Target Value:	The last value between 30 days prior to the procedure and the current procedure	Code System Name: SNOMED CT
		Short Name: Albumin
		Missing Data: Report
		Harvested: Yes (TAVR, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Liement.
		Data Type: PQ
		Precision: 3,1
		Selection Type: Single
		Unit of Measure: g/dL
		Default Value: Null
		Usual Range: 3.5 - 5.0 g/dL Valid Range: 1.0 - 10.0 g/dL
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		AND Element: 14211 Albumin Not Drawn
		AND
		AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered)
Element: 14211	Albumin Not Drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification
	Albumin Not Drawn Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System SNOMED CT
	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: Short Name: Albumin_ND
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: Short Name: Albumin_ND Missing Data: Report
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Yes Is Followup No Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type
Coding Instruction:	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR
-	Indicate true if the total albumin was not drawn	AND Element: 14211 Albumin Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 52454007 Code System Name: SNOMED CT Short Name: Albumin_ND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy





Section: Pre-Procedure		rent: Presentation and Evaluation		
Element: 13213	Platelet Count	Technical Specification		
Coding Instruction:	Indicate the pre-procedure platelet count in platelets per microliter.	Code: 777-3		
-	The last value between 30 days prior to the procedure and the current procedure	Code System LOINC Name:		
-		Short Name: PlateletCt		
Supporting Definition:		Missing Data: Report		
	A laboratory test used to determine of the number of platelets in a blood sample.	Harvested: Yes (BDS, TAVR, TTVP)		
	Source: NCI Thesaurus.	Is Identifier: No		
		Is Base Element: Yes		
		ls Followup Element:		
		Data Type: PQ		
		Precision: 6,0		
		Selection Type: Single		
		Unit of Measure: µL		
		Default Value: Null Usual Range: 150,000 - 400,000 μL		
		Valid Range: 1,000 - 900,000 µL		
		Data Source: User		
		Parent/Child Validation		
		Element: 14273 Transcatheter Valve Therapy		
		Procedure Type		
		Operator: Equal		
		Value: TAVR		
		Element: 14273 Transcatheter Valve Therapy Procedure Type		
		Operator: Equal		
		Value: Tricuspid Valve Procedure		
		AND Element: 13214 Platelet Count Not Drawn Operator: Equal		
		AND AND Element: 13214 Platelet Count Not Drawn		
Floment: 12214	Platolat Count Not Drown	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered)		
	Platelet Count Not Drawn	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3		
	Platelet Count Not Drawn Indicate if a platelet count was not drawn prior to the procedure.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3		
	Indicate if a platelet count was not drawn prior to the procedure.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: LOINC		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: COINC Short Name: PlateletCtND		
Coding Instruction:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: Short Name: PlateletCtND Missing Data: Report		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP)		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: Distribution Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: Data Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: LOINC Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision:		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: LOINC Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: BL Precision: Selection Type: Single		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: LOINC Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision:		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Selection Type: Single Unit of Measure:		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: LOINC Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Selection Type: Single Unit of Measure: Default Value: Null		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: LOINC Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Base Element: Yes Is Followup Element: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: DoliNC Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Yes Is Followup No Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: DateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR		
Coding Instruction: Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System Name: Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy		
Target Value:	Indicate if a platelet count was not drawn prior to the procedure. N/A Platelet Count A laboratory test used to determine of the number of platelets in a blood sample.	AND Element: 13214 Platelet Count Not Drawn Operator: Equal Value: No (or Not Answered) Technical Specification Code: 777-3 Code System LOINC Name: DoliNC Short Name: PlateletCtND Missing Data: Report Harvested: Yes (BDS, TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR		





Parent: Presentation and Evaluation

Element: 13203

Coding Instruction: Indicate the international normalized ratio (INR) if the patient is on routine warfarin or coumadin therapy.

Target Value: The last value between 30 days prior to the procedure and the current procedure

Supporting Definition: International Normalized Ratio (INR)

INR

The INR is specifically intented for evaluating protime results on patients stabilized on long term oral anticoagulant therapy. The INR is not appropriate to evalulate hemostatic function in patients with liver disease, for screening for hereditary factor deficiencies or acquired vitamin K deficiencies, or for routine preoperative screening; this should be evaluated on the normal range in seconds. INR is calculated by the equation, INR = (PTR) raised to the power of ISI, where ISI = International Sensitivity Index (assigned to each reagent thromboplastin). PTR = prothrombin time ratio (pat PT/pop mean PT). Computation of the INR of specific thromboplastin reagent should allow for uniformity in prothrombin time testing regardless of the reagent system or instrumentation used.

Source: http://s.details.loinc.org/LOINC/6301-6.html?sections=Simple

Technic	cal Specification
Code:	34714-6
Code System Name:	LOINC
Short Name:	INRtvt
Missing Data:	Report
Harvested:	Yes (TAVR, TTVP)
Is Identifier:	No
Is Base Element:	Yes
Is Followup Element:	No
Data Type:	PQ
Precision:	3,1
Selection Type:	Single
Unit of Measure:	
Default Value:	Null
Usual Range:	0.9 - 1.3
Valid Range:	0.5 - 30.0
Data Source:	User
Parent/	Child Validation
lement: 14273 Procedure	Transcatheter Valve Thera Type

Element:	14273 Transcatheter Valve Therapy
	Procedure Type
Operator:	Equal
Value:	TAVR
Element:	14273 Transcatheter Valve Therapy
	Procedure Type
Operator:	Equal
Value:	Tricuspid Valve Procedure
	AND
Element:	6046 International Normalized Ratio Not Drawn
Operator:	Equal
Value:	No (or Not Answered)

Element: 6046	International Normalized Ratio Not Drawn	Technical Specification
Coding Instruction.	Indianta if IND was not drawn	Code: 34714-6
Target Value:	Indicate if INR was not drawn. N/A	Code System Name:
		Short Name: INRND
		Missing Data: Report
		Harvested: Yes (TAVR, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal

Value: Tricuspid Valve Procedure





Section: Pre-Procedure Clinical Data Parent: Presentation and Evaluation **Technical Specification** Element: 14280 BNP Code: 42637-9 Code System LOINC Coding Instruction: Indicate the B-type natriuretic peptide (BNP) value. Name: Target Value: The last value between birth and the first procedure in this admission Short Name: PreProc_BNPValue Supporting Definition: Natriuretic peptide B Missing Data: Report Brain natriuretic peptide (BNP) is an active fragment (1-32) of ProBNP which is produced by Harvested: Yes (TMVR, TMVrpr, TTVP) myocardial cells. It increases in both right-sided and left-sided heart failure as well as in Is Identifier: No systolic and diastolic heart failure. Thus, it is used to diagnose and manage heart failure. When Is Base Element: Yes a patient is taking recombinant PBN (Natricor), BNP will reflect serum levels. NT-ProBNP, an Is Followup No inactive fragment (1-78) of ProBNP is used to assess the degree of failure. Both of these Element: polypeptides have roughly the same predictive power. NT-ProBNP is commonly called ProBNP. Data Type: PQ Source: http://s.details.loinc.org/LOINC/42637-9.html?sections=Simple Precision: 5,0 Selection Type: Single Unit of Measure: pg/mL Default Value: Null Usual Range: 5 - 1,000 pg/mL Valid Range: 1 - 10,000 pg/mL Data Source: User Parent/Child Validation Element: 13205 B-Type Natriuretic Peptide Not Drawn Operator: Equal Value: No (or Not Answered) AND Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Element: 14273 Transcatheter Valve Therapy Procedure Type

Operator: Equal Value: TMVr





ment: 13205	B-Type Natriuretic Peptide Not Drawn		Technical Specification		
Coding Instruction:		NP) was not collected		42637-9	
Target Value:	Indicate if a pre-procedure B-type natriuretic peptide (BNP) N/A	ini) was not collected.	Code System Name:		
Ū				PreProcBNPNotDrawn	
			Missing Data:		
				Yes (TMVR, TMVrpr, TTVI	
			Is Identifier:		
			Is Base Element:		
			Is Followup Element:	No	
			Data Type:	BL	
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range: Data Source:	Lleor	
				Child Validation	
				Transcatheter Valve Therap	
			Procedure		
			Operator: Equal		
			Value: TMVR		
			Element: 14273 Procedure	Transcatheter Valve Therap Type	
			Operator: Equal		
			Value: Tricuspid		
			Element: 14273 Procedure	Transcatheter Valve Therap Type	
			Operator: Equal		
			Value: TMVr		





Parent: Presentation and Evaluation

Element: 14279	N-Terminal Pro B-Type Natriuretic Peptide Value
Coding Instruction:	Indicate the N-Terminal Pro B-Type Natriuretic Peptide (NT-proBNP) Value.

Target Value: The last value between 6 months prior to procedure and the start of the current procedure

Supporting Definition: N-Terminal Pro B-Type Natriuretic Peptide Value

ProBNP is the 108 amino acid pro-hormone of BNP (Brain Naturetic Peptide) that is produced mainly in the left ventricle. The prohormone splits into two polypeptides- the biologically active but shorter BNP (77-108) and the longer N terminal (1-76) fragment called NT-proBNP. Commercial assays are available for NT-proBNP because of its usefulness in predicting cardiovascular risk. In one study, it was the single best predictor of survival among patients with the acute coronary syndrome. It also declines with successful treatment of left ventricular dysfunctionand heart failure and is used by some to track the success of such treatment. No commercial assays exist for proBNP (the whole peptide)- though the trade name for one companies NT-proBNP is "proBNP" -- a misnomer. We include proBNP as the a related name for NT-proBNP so that people who call it proBNP will find it in LOINC. Source: Regenstrief Help

Source: http://s.details.loinc.org/LOINC/33762-6.html?sections=Simple

Technic	al Specification
Code:	33762-6
Code System Name:	LOINC
Short Name:	PreProcedureNTBNP
Missing Data:	Report
Harvested:	Yes (TMVR, TMVrpr, TTVP)
Is Identifier:	No
Is Base Element:	Yes
Is Followup Element:	No
Data Type:	PQ
Precision:	5,0
Selection Type:	Single
Unit of Measure:	pg/mL
Default Value:	Null
Usual Range:	5 - 30,000 pg/mL
Valid Range:	5 - 30,000 pg/mL
Data Source:	User
Parent/	Child Validation
Element: 13206 N Peptide No	I-Terminal Pro B-Type Natriuretic ot Drawn
Operator: Equal	
Value: No (or Not	Answered)
	AND

	700
14273	Transcatheter Valve Therapy
Procedure	е Туре
Equal	
TMVR	
14273	Transcatheter Valve Therapy
Procedure	е Туре
Equal	
Tricuspid	Valve Procedure
14273	Transcatheter Valve Therapy
Procedure	е Туре
	Procedure Equal TMVR 14273 Procedure Equal Tricuspid 14273

Operator: Equal Value: TMVr





Section: Pre-Procedure	Clinical Data	Parent: Presentation and E	Parent: Presentation and Evaluation			
ement: 13206	N-Terminal Pro B-Type Natriuretic P	eptide Not Drawn	Technical Specifi		cal Specification	
		·	Code: 33762-6			
Coding Instruction:	collected.	-type natriuretic peptide (NT-proBNP) was not	Code	e System Name	LOINC	
Target Value:	N/A		Sho	ort Name	PreProcNTBNPNotDrawn	
			Miss	ing Data	: Report	
			Ha	arvested	: Yes (TMVR, TMVrpr, TTVF	
			Is l	dentifier	: No	
				Element		
			Is	Followup	No	
				Element	NO	
			D	ata Type	BL	
			P	recision	:	
				ion Type	•	
				Measure		
			Defa	ult Value	: Null	
			Usu	al Range	:	
			Vali	id Range	:	
			Dat	a Source	User	
				Parent	Child Validation	
			Element:	14273 Procedure	Transcatheter Valve Therap e Type	
			Operator:	Equal		
			Value:	TMVR		
			Element:	14273 Procedure	Transcatheter Valve Therap	
			Operator:			
				•	Valve Procedure	
			Element:	•	Transcatheter Valve Therap	
			Operator:		/L-	
			Value:	-		





lement: 13216	Forced Expiratory Volume in One Second Predicted	Technical Specification
Coding Instruction:	Indicate the FEV1 % predicted from the most recent pulmonary function test prior to procedure. The last value between 12 months prior to arrival and start of the first procedure	Code : 19925-7
		Second Predicted Not Performed
lement: 13217	Forced Expiratory Volume in One Second Predicted Not Performed	
	Forced Expiratory Volume in One Second Predicted Not Performed Indicate whether % predicted Forced Expiratory Volume (FEV1) was not performed or the patient did not have a pulmonary function test prior to the procedure.	Second Predicted Not Performed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 19925-7 Code System Name: LOINC
	Indicate whether % predicted Forced Expiratory Volume (FEV1) was not performed or the patient did not have a pulmonary function test prior to the procedure.	Second Predicted Not Performed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 19925-7 Code System
Coding Instruction:	Indicate whether % predicted Forced Expiratory Volume (FEV1) was not performed or the patient did not have a pulmonary function test prior to the procedure.	Second Predicted Not Performed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 19925-7 Code System Name: LOINC Short Name: FEV1ND





Technical Specification Code: 112000001185 Code System Name: ACC NCDR Short Name: DLCOPred Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: % Default Value: Null Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lunfor Carbon Monoxide Not Performed Operator: Equal Value: No (or Not Answered)
Code System Name: Short Name: DLCOPred Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: % Default Value: Null Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lui for Carbon Monoxide Not Performed Operator: Equal
Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: % Default Value: Null Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lui for Carbon Monoxide Not Performed Operator: Equal
TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: % Default Value: Null Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lui for Carbon Monoxide Not Performed Operator: Equal
Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: % Default Value: Null Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lun for Carbon Monoxide Not Performed Operator: Equal
Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: % Default Value: Null Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lun for Carbon Monoxide Not Performed Operator: Equal
Precision: 3,0 Selection Type: Single Unit of Measure: % Default Value: Null Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lui for Carbon Monoxide Not Performed Operator: Equal
Unit of Measure: % Default Value: Null Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lui for Carbon Monoxide Not Performed Operator: Equal
Usual Range: 10 - 150 % Valid Range: 1 - 200 % Data Source: User Parent/Child Validation Element: 13219 Diffusing Capacity of the Lun for Carbon Monoxide Not Performed Operator: Equal
Parent/Child Validation Element: 13219 Diffusing Capacity of the Lun for Carbon Monoxide Not Performed Operator: Equal
Element: 13219 Diffusing Capacity of the Lui for Carbon Monoxide Not Performed Operator: Equal
Technical Specification
Code: 112000001185 Code System Name:
Short Name: DLCOND
Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP)
Is Identifier: No Is Base Element: Yes
Is Followup Element: No
Data Type: BL Precision:
Selection Type: Single Unit of Measure:
Default Value: Null
Usual Range: Valid Range:





ection: Pre-Procedure	ECG and Pulmonary Function Parent: Preser	ntation and Evaluation
ement: 5055	Non-Ventricular Paced QRS duration	Technical Specification
Coding Instruction:	Indicate the duration of the non-ventricular paced or intrinsic QRS complex, in n was derived from the surface electrocardiogram (ECG). Surface ECGs are ob surface of the body and do not include intracardiac ECGs.	
	Note(s): If no ECG is available, a pre-procedure 6 inch cardiac rhythm strip or clinician d may be utilized to obtain this information.	Is Identifier: No
Target Value:	The last value within 30 days prior to the first procedure in this admission	Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: msec Default Value: Null Usual Range: 20 - 250 msec Valid Range: 10 - 300 msec Data Source: User
		Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal
		Value: Tricuspid Valve Procedure Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVr Element: 5045 Only Ventricular Paced QRS Complexes Present Operator: Equal

Value: No (or Not Answered)





ent: 5045	Only Ventricular Paced QRS Complexes Present	Technic	al Specification
.			100001120
Coding Instruction:	Indicate if there were only ventricular paced QRS complexes present.	Code System Name:	ACC NCDR
	Note(s):		
	If the patient has some intrinsic ventricular complexes present, code "No".	Short Name:	
		Missing Data:	•
	If no ECG is available, a pre-procedure 6 inch cardiac rhythm strip or clinician documentation		Yes (TMVR, TMVrpr, TTVF
	may be utilized to obtain this information.	Is Identifier:	
Target Value:	The last value within 30 days prior to the first procedure in this admission	Is Base Element:	
		Is Followup Element:	No
		Data Type:	BI
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
		Parent/	Child Validation
		Element: 14273	Transcatheter Valve Therap
		Procedure	Туре
		Operator: Equal	
		Value: TMVR	
			Transcatheter Valve Therap
		Procedure	Туре
		Operator: Equal	/alua Dragadura
		Value: Tricuspid	Valve Procedure Transcatheter Valve Therag
		Procedure	
		Operator: Equal	21 -
		Value: TMVr	





Section: Pre-Procedure	Medication(s) Pa	arent: Presentation and Evaluation
Element: 13699	Anticoagulants Administered	Technical Specification
	The disease of the second sector common schedule to a sector of	Code: 112000001416
-	Indicate whether anticoagulants were administered. Any occurrence between 24 hours prior to current procedure a	and up to current procedure Name:
Talget value.	Any occurrence between 24 hours phor to current procedure a	Short Name: PreProcAnticoag
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element: NO
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal Value: TAVR
Selection [Definition Source	Code Code System Na 100013073 ACC NO
Yes		100013072 ACC NO
Element: 13643	Positive Inotropes Administered	Technical Specification
	· · ·	Code: 112000001358
Coding Instruction:	Indicate if positive inotropes was administered.	ropes only ACC NCDR
	For patients requiring IV inotropic support, indicate positive inot	
		Short Name: PreOpinotropes
Target Value:	Any occurrence between 24 hours prior to current procedure a	
		Harvested: Yes (BDS, TAVR, TMVR,
		TMVrpr, TTVP)
		Is Identifier: No Is Base Element: Yes
		ls Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		_
		Valid Range:
		Data Source: User
Pre-procedure Medication Ad	ministration - 1.3.6.1.4.1.19376.1.4.1.6.5.44	-
-	ministration - 1.3.6.1.4.1.19376.1.4.1.6.5.44 Definition Source	-

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR





lement: 13220	Diagnostic Catheterization Performed		Technic	al Specification
Coding Instruction:	Indicate whether diagnostic cardiac catheterization was pe	rformed	Code:	41976001
-	The last value between 12 months prior to arrival and start		Code System Name:	SNOMED CT
-			Short Name:	
			Missing Data:	
				Yes (TAVR, TMVR, TMVrp TTVP)
			Is Identifier:	
		I	Is Base Element:	
			Is Followup Element:	No
			Data Type:	BL
			Precision:	
			Selection Type:	Single
			Unit of Measure:	NL U
			Default Value: Usual Range:	Null
			Valid Range:	
			Data Source:	User
ement: 13222	Diagnostic Catheterization Date			al Specification
Coding Instruction:	Indicate the date the diagnostic catheterization was perform	ned.	Code:	41976001
Target Value:	The last value between 12 months prior to arrival and start	of the first procedure	Code System Name:	SNOMED CT
raiget value.			Short Name:	DxCathDt
			Missing Data:	•
			Harvested:	Yes (TAVR, TMVR, TMVrp TTVP)
			Is Identifier:	
			Is Base Element:	
			Is Followup Element:	No
			Data Type:	
			Precision:	
			Selection Type:	Single
		1	Unit of Measure:	
			Default Value:	Null
			Usual Range:	Null
			Usual Range: Valid Range: Data Source:	User
		Ele	Usual Range: Valid Range: Data Source: Parent/	
			Usual Range: Valid Range: Data Source: Parent/	User Child Validation Diagnostic Catheterization





Section: Pre-Procedure	Diagnostic Cath Findings	Parent: Presentation and E	valuation		
Element: 13381	Number of Diseased Vessels		Technic	al Spec	ification
			Code:	1120000	00201
Coding Instruction:	Indicate the number of diseased major native coronary circumflex system, and/or right system with >= 50% national system with the system of the system with th		Code System Name:	ACC NCC	DR
	Notes:		Short Name:	NumDisV	<i>,</i>
	1. Do not include coronary artery bypass grafts.		Missing Data:	Report	
	 Left main disease (>=50%) is counted as TWO vess include a Ramus Intermedius). For example, left main a 			Yes (TAV TTVP)	/R, TMVR, TMVrpr,
	,,,		Is Identifier:	No	
Target Value:	The highest value between birth and start of the proce	dure	Is Base Element:		
Target Value.		uure	Is Followup Element:	No	
			Data Type:	CD	
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
			Parent/0	Child Va	alidation
			Element: 13382 N Documente		f Diseased Vessels N
			Operator: Equal		
			Value: No (or Not	Answere	ed)
dense in the second state of the second state					
	- 1.3.6.1.4.1.19376.1.4.1.6.5.380 Definition S	ource		Code	Code System Nan
lone			10000	1231	-
Dne					ACC NCL
Гwo			11200000	0788	
			11200000		ACC NCI
Three				0790	ACC NCE ACC NCE
		-	11200000 11200000	0790 0792	ACC NCI ACC NCI ACC NCI
Fhree Element: 13382	Number of Diseased Vessels Not Documenter	d	11200000 11200000 Technic	0790 0792 al Spec	ACC NCE ACC NCE ACC NCE ACC NCE Sification
Element: 13382	Number of Diseased Vessels Not Documenter Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code:	00790 00792 al Spec 11200000	ACC NCI ACC NCI ACC NCI ACC NCI 00201
Element: 13382			1120000 1120000 Technic Code: Code System Name:	00790 00792 al Spec 11200000 ACC NCE	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI DR
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		1120000 1120000 Technic Code: Code System Name: Short Name:	00790 00792 al Spec 11200000 ACC NCD NumDisV	ACC NC ACC NC ACC NC ACC NC C C C C C C C C C C C C C C C C C
Element: 13382	Indicate true if the number of diseased vessels was no		1120000 1120000 Technic Code: Code System Name: Short Name: Missing Data:	00790 00792 al Spec 1120000 ACC NCE NumDisV Report Yes (TAV	ACC NC ACC NC ACC NC ACC NC C C C C C C C C C C C C C C C C C
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code: Code System Name: Short Name: Missing Data: Harvested:	al Spec 1120000 ACC NCD NumDisV Report Yes (TAV TTVP)	ACC NC ACC NC ACC NC eification 00201 DR ND
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	0790 0792 al Spec 1120000 ACC NCE NumDisV Report Yes (TAV TVP) No Yes	ACC NC ACC NC ACC NC eification 00201 DR ND
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	0790 0792 al Spec 1120000 ACC NCE NumDisV Report Yes (TAV TVP) No Yes	ACC NC ACC NC ACC NC eification 00201 DR ND
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	00790 00792 11200000 ACC NCE NumDisV Report Yes (TAV TTVP) No Yes No	ACC NC ACC NC ACC NC eification 00201 DR ND
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	00790 00792 11200000 ACC NCE NumDisV Report Yes (TAV TTVP) No Yes No	ACC NC ACC NC ACC NC eification 00201 DR ND
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	00790 00792 11200000 ACC NCE NumDisV Report Yes (TAV TTVP) No Yes No BL	ACC NC ACC NC ACC NC eification 00201 DR ND
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	00790 00792 11200000 ACC NCE NumDisV Report Yes (TAV TTVP) No Yes No BL	ACC NC ACC NC ACC NC eification 00201 DR ND
Element: 13382 Coding Instruction:	Indicate true if the number of diseased vessels was no		11200000 11200000 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	00790 00792 al Spec 11200000 ACC NCE NumDisV Report Yes (TAV TTVP) No Yes No BL Single	ACC NC ACC NC ACC NC eification 00201 DR ND

Usual Range: Valid Range: Data Source: User





Section: Fre-Frocedure	Diagnostic Cath Findings F	Parent: Presentation and	Evaluation		
Element: 13260	Left Main Stenosis Greater Than or Equal to 50 Per	rcent	Technic	al Spec	ification
	The Proof of the state of the s		Code:	11200000	01186
Coding Instruction:	Indicate whether the patient has left main coronary disease. I present when there is >= 50% compromise of vessel diameter		Code System Name:	ACC NCD	R
Target Value:	The last value between 12 months prior to arrival and start of	f the first procedure	Short Name:	LMainDis	
Supporting Definition:	Loft Main Stanosis		Missing Data:	Report	
Supporting Demittion.					S, TAVR, TMVR,
	Stenosis of the left main coronary artery.			TMVrpr, T	TTVP)
	Source:		Is Identifier: Is Base Element:		
			Element:	No	
			Data Type:	CD	
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
			Parent/0	Child Va	alidation
					Stenosis Not
			Documente	ed	
			Operator: Equal Value: No (or Not		d)
Selection [1.1.9376.1.4.1.6.5.444 Vefinition Source	9	Operator: Equal Value: No (or Not		
Selection [9	Operator: Equal Value: No (or Not	Answered	Code System Na
Selection [3	Operator: Equal Value: No (or Not	Answered Code 3073	d) Code System Nar ACC NC ACC NC
Selection [No Yes		9	Operator: Equal Value: No (or Not C 10001: 10001:	Answered ode 3073 3072	Code System Nar ACC NC
Selection E No Yes Element: 13261	Left Main Stenosis Not Documented		Operator: Equal Value: No (or Not 10001: 10001: Technic Code:	Answered ode 3073 3072	Code System Nar ACC NC ACC NC ification
No Yes Element: 13261	Pefinition Source		Operator: Equal Value: No (or Not 10001: 10001: Technic Code: Code System	Answered ode 3073 3072 al Spec	Code System Nat ACC NC ACC NC ification 01186
Selection C No Yes Element: 13261 Coding Instruction:	Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary art		Operator: Equal Value: No (or Not 10001: 10001: Technic Code: Code System Name:	Answered 3073 3072 al Spec 11200000 ACC NCD	Code System Nat ACC NC ACC NC ification D1186 R
Selection E No Yes Element: 13261	Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary art		Operator: Equal Value: No (or Not 10001: 10001: Technic Code: Code System Name: Short Name:	Answered 3073 3072 al Spec 11200000 ACC NCD LMainDish	Code System Nat ACC NC ACC NC ification D1186 R
Selection C No Yes Element: 13261 Coding Instruction:	Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary art		Operator: Equal Value: No (or Not 10001 10001 Code: Code System Name: Short Name: Missing Data:	Answered ode 3073 3072 al Spec 11200000 ACC NCD LMainDish Report	Code System Nat ACC NC ACC NC ification D1186 IR ND
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary art		Operator: Equal Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested:	Answered ode 3073 3072 al Spec 11200000 ACC NCD LMainDish Report	Code System Nat ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary art N/A Left Main Stenosis		Operator: Equal Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested:	Answered 3073 3073 3072 al Spec 11200000 ACC NCD LMainDish Report Yes (BDS TMVrpr, T	Code System Nat ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested:	Answered 3073 3073 3072 al Spec 11200000 ACC NCD LMainDish Report Yes (BDS TMVrpr, T No	Code System Na ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	Answered 3073 3073 3072 al Spec 11200000 ACC NCD LMainDish Report Yes (BDS TMVrpr, T No Yes	Code System Na ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	Answered ode 3073 3072 al Spec 11200000 ACC NCD LMainDish Report Yes (BDS TMVrpr, T No Yes No	Code System Na ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	Answered ode 3073 3072 al Spec 11200000 ACC NCD LMainDish Report Yes (BDS TMVrpr, T No Yes No	Code System Nat ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	Answered ode 3073 3072 al Spec 1120000C ACC NCD LMainDish Report Yes (BDS TMVrpr, T No Yes No BL	Code System Na ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	Answered ode 3073 3072 al Spec 1120000C ACC NCD LMainDish Report Yes (BDS TMVrpr, T No Yes No BL	Code System Na ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001 10001 Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Answered 3073 3073 3072 al Spec 11200000 ACC NCD LMainDish Report Yes (BDS TMVrpr, T No Yes No BL Single	Code System Na ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Definition Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001 10001 Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	Answered 3073 3073 3072 al Spec 11200000 ACC NCD LMainDish Report Yes (BDS TMVrpr, T No Yes No BL Single	Code System Nat ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,
Selection E No Yes Element: 13261 Coding Instruction: Target Value:	Definition Source Left Main Stenosis Not Documented Indicate whether the % stenosis of the left main coronary arter N/A Left Main Stenosis Stenosis of the left main coronary artery.		Operator: Equal Value: No (or Not 10001 10001 Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Answered 3073 3073 3072 al Spec 11200000 ACC NCD LMainDish Report Yes (BDS TMVrpr, T No Yes No BL Single	Code System Na ACC NC ACC NC ification 01186 R ND S, TAVR, TMVR,





Element: 13301	Proximal Left Anterior Descending Artery Disease Greater or Equal to 70		al Specification
	percent	Codo System	28248000
Coding Instruction:	Indicate whether the percent luminal narrowing of the proximal left anterior descending artery at the point of maximal stenosis is greater than or equal to 70%.	Name:	SNOWED CT
Target Value	The last value between 12 months prior to arrival and start of the first procedure	Short Name: Missing Data:	
-		-	Yes (BDS, TAVR, TMVR,
Supporting Definition:	Narrowing of the left anterior descending coronary artery.		TMVrpr, TTVP)
	Source:	Is Identifier: Is Base Element:	
		Is Followup	No
		Element:	
		Data Type: Precision:	CD
		Selection Type:	Single
		Unit of Measure:	-
		Default Value:	Null
		Usual Range: Valid Range:	
		Data Source:	User
		Parent/0	Child Validation
		Element: 13302 F	
			g Artery Disease Greater or percent Not Documented
		Equal to 70	
		Operator: Equal	percent Not Documented
		Operator: Equal Value: No (or Not	
Boolean w/Unknown - 1.3.6.1.	4.1.19376.1.4.1.6.5.444		
	4.1.19376.1.4.1.6.5.444 Definition Source	Value: No (or Not	Answered)
Selection [Value: No (or Not	Answered) Code Code System Nar
Selection [Value: No (or Not	Answered) Code Code System Nar 3073 ACC NCI
Selection [No Yes	Definition Source	Value: No (or Not	Answered) Code Code System Nar 3073 ACC NC
Selection [No Yes		Value: No (or Not C 10001: 10001: C Code: Code:	Answered) Code Code System Nar 3073 ACC NC 3072 ACC NC al Specification 28248000
No Yes Element: 13302	Proximal Left Anterior Descending Artery Disease Greater or Equal to 70	Value: No (or Not C 100013 100013 Code: Code System	Answered) Code Code System Nar 3073 ACC NCI 3072 ACC NCI al Specification 28248000
Selection I No Yes Element: 13302	Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented	Value: No (or Not C 10001: 10001: C Code: Code:	Answered) Code Code System Nar 3073 ACC NCI 3072 ACC NCI al Specification 28248000 SNOMED CT
Selection I No Yes Element: 13302	Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was	Value: No (or Not 10001: 10001: Technic Code: Code System Name:	Answered) Code Code System Nar 3073 ACC NCI 3072 ACC NCI al Specification 28248000 SNOMED CT ProxLADND
Selection I No Yes Element: 13302	Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented.	Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested:	Answered) Code Code System Nar 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR,
Selection [No Yes Element: 13302 Coding Instruction:	Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A	Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested:	Answered) Code Code System Nar 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Selection [No Yes Element: 13302 Coding Instruction: Target Value:	Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A	Value: No (or Not 10001: 10001: Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	Answered) Code Code System Nar 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes
Selection [No Yes Element: 13302 Coding Instruction: Target Value:	Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A LAD Stenosis	Value: No (or Not 10001: 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	Answered) Code Code System Nar 3073 ACC NCI 3072 ACC NCI 3072 ACC NCI al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes
Selection I No Yes Element: 13302 Coding Instruction: Target Value:	Definition Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A LAD Stenosis Narrowing of the left anterior descending coronary artery.	Value: No (or Not 10001: 10001: Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	Answered) Code Code System Nar 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No
Selection [No Yes Element: 13302 Coding Instruction: Target Value:	Definition Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A LAD Stenosis Narrowing of the left anterior descending coronary artery.	Value: No (or Not 10001: 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	Answered) Code Code System Nat 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No
Selection I No Yes Element: 13302 Coding Instruction: Target Value:	Definition Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A LAD Stenosis Narrowing of the left anterior descending coronary artery.	Value: No (or Not 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	Answered) Code Code System Nat 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL
Selection I No Yes Element: 13302 Coding Instruction: Target Value:	Definition Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A LAD Stenosis Narrowing of the left anterior descending coronary artery.	Value: No (or Not 10001: 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Answered) Code System Nat 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single
Selection [No Yes Element: 13302 Coding Instruction: Target Value:	Definition Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A LAD Stenosis Narrowing of the left anterior descending coronary artery.	Value: No (or Not 10001: 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	Answered) Code System Nat 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single
Selection I No Yes Element: 13302 Coding Instruction: Target Value:	Definition Source Proximal Left Anterior Descending Artery Disease Greater or Equal to 70 percent Not Documented Indicate whether the % stenosis of the proximal left anterior descending coronary artery was not documented. N/A LAD Stenosis Narrowing of the left anterior descending coronary artery.	Value: No (or Not 10001: 10001: 10001: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Answered) Code System Nat 3073 ACC NC 3072 ACC NC al Specification 28248000 SNOMED CT ProxLADND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single

Data Source: User





	e Diagnostic Cath Findings	Parent: Presentation and E	valaation	
Element: 13496	Syntax Score		Technical Sp	ecification
Coding Instruction		the medical record. The syntax score is required for vessel disease in native coronary arteries.	Code: 10001 Code System Name:	
	SYNTAX (Synergy between PCI with TA	XUS drug-eluting stent and Cardiac Surgery) Score: a	Short Name: Synta:	x
	grading tool used to determine the comp		Missing Data: Repor Harvested: Yes (7	
Target Value:	: The highest value between 12 months p	rior to the procedure and start of the procedure	Is Identifier: No Is Base Element: Yes	
			Is Followup	
			Element: NO Data Type: CD	
			Precision:	
			Selection Type: Single	
			Unit of Measure: Default Value: Null	
			Usual Range:	
			Valid Range: Data Source: User	
			Parent/Child	Validation
			Element: 14273 Transca Procedure Type	atheter Valve Therapy
			Operator: Equal	
			Value: TAVR	
				Score Not Documented
			Operator: Equal	
				D
			Value: No (or Not Answe	ered)
	.1.19376.1.4.1.6.5.504 Definition	Source		·
Selection Low Syntax Score (<22)	Definition Low Syntax Score(<22)	Source	Value: No (or Not Answe	Code System Nam
Selection Low Syntax Score (<22) Intermediate Syntax Score (22-	Definition	Source	Value: No (or Not Answe	Code System Nam
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32)	Definition Low Syntax Score(<22)	Source	Value: No (or Not Answer Code 10001424799	Code System Nan ACC NCE ACC NCE
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33)	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32)	Source	Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp	Code System Nam ACC NCD ACC NCD ACC NCD ACC NCD
Selection _ow Syntax Score (<22) ntermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33)		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001	Code System Nam ACC NCE ACC NCE ACC NCE ACC NCE Decification 424796
Selection _ow Syntax Score (<22) ntermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System Name:	Code System Nam ACC NCE ACC NCE ACC NCE ACC NCE Concention 424796
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System Name: Short Name: Syntax	Code System Nam ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD XDD
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System Name:	Code System Nam ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD XCDR XND t
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System Name: ACC N Short Name: Syntax Missing Data: Repor	Code System Nam ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE Vecification 424796 NCDR xND t
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System ACC N Name: ACC N Name: Synta Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes	Code System Nam ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System ACC N Name: ACC N Name: Synta Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes	Code System Nam ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System Name: Short Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No	Code System Nam ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System ACC N Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:	Code System Nam ACC NCD ACC NCD ACC NCD ACC NCD eccification 424796 NCDR xND t TAVR)
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System ACC N Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single	Code System Nam ACC NCE ACC NCE ACC NCE Concerning ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System ACC N Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes Is Followup Element: No Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure:	Code System Nam ACC NCE ACC NCE ACC NCE Concerning ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System ACC N Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single	Code System Nam ACC NCE ACC NCE ACC NCE Concerning ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE
Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction:	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System Acc N Short Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes Is Followup Element: No Short Answer Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null	Code System Nam ACC NCE ACC NCE ACC NCE Concerning ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE ACC NCE
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424797 10001424797 Technical Sp Code: 10001 Code System ACC N Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes Is Followup Element: No Is Base Element: No Is Base Element: No Is Base Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User	Code System Nam ACC NCE ACC NCE ACC NCE eccification 424796 NCDR xND t TAVR)
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424798 10001424797 Technical Sp Code: 10001 Code System ACC N Name: ACC N Short Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes Is Followup Element: No Is Base Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child	Code System Nam ACC NCE ACC NCE ACC NCE COR 424796 CDR xND t TAVR)
Selection Low Syntax Score (<22) Intermediate Syntax Score (22- 32) High Syntax Score (>= 33) Element: 13497 Coding Instruction:	Definition Low Syntax Score(<22) Intermediate Syntax Score (22-32) High Syntax Score (>= 33) Syntax Score Not Documented : Indicate if the syntax score was not doce		Value: No (or Not Answer Code 10001424799 10001424797 10001424797 Technical Sp Code: 10001 Code System ACC N Name: Syntax Missing Data: Repor Harvested: Yes (T Is Identifier: No Is Base Element: Yes Is Followup Element: No Is Base Element: No Is Base Element: No Is Base Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User	Code System Nan ACC NCE ACC NCE ACC NCE COR 424796 ICDR XND t TAVR)





ment: 13713	Cardiac Output	Technical Specification
Coding Instruction:	Indicate the cardiac output in L/min, documented by pre-procedure diagnostic cardiac cath	Code: 82799009
Coung instruction:	findings.	Code System Name: SNOMED CT
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: CardiacOutput
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr, TTVP
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: PQ
		Precision: 3,1
		Selection Type: Single
		Unit of Measure: L/min
		Default Value: Null
		Usual Range: 2.0 - 8.0 L/min
		Valid Range: 0.1 - 10.0 L/min
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Operator: Equal Value: Tricuspid Valve Procedure
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TMVr
		AND
		Element: 13714 Cardiac Output Not Documer
		Operator: Equal
		Value: No (or Not Answered)
		· · · · ·





ement: 13714	Cardiac Output Not Documented	Techni	cal Specification
Codina Instruction.	Indicate if the condice of the state of the superstant		: 82799009
Coding Instruction: Target Value:	Indicate if the cardiac output was not documented.	Code System	SNOMED CT
		Short Name	: CardiacOutput_ND
		Missing Data	: Report
		Harvested	: Yes (TMVR, TMVrpr, TTV
		Is Identifier	: No
		Is Base Element	
		Is Followu) _{No}
		Element	•
		Data Type	
		Precision	
		Selection Type	: Single
		Unit of Measure	
		Default Value	: Null
		Usual Range	:
		Valid Range	:
		Data Source	: User
		Parent	Child Validation
		Element: 14273 Procedur	Transcatheter Valve Therap e Type
		Operator: Equal	
		Value: TMVR	
		Element: 14273 Procedur	Transcatheter Valve Therap e Type
		Operator: Equal	
		Value: Tricuspic	Valve Procedure
			Transcatheter Valve Therap
		Operator: Equal	
		Value: TMVr	





ment: 13715	Pulmonary Capillary Wedge Pressure		Techni	cal Specification
0				: 118433006
-	Indicate the pulmonary capillary wedge pressure, in mm The last value between 12 months prior to arrival and s		Code Systen Name	SNOMED CT
	···· ···· ···· ···· ···· ···· ····		Short Name	
			Missing Data	: Report
			Harvested	: Yes (TMVR, TMVrpr, TTVP
			Is Identifier	: No
			Is Base Element	: Yes
			Is Followu Element	No
			Data Type	: PQ
			Precision	: 2,0
			Selection Type	: Single
			Unit of Measure	. 01
			Default Value	
			-	: 6 - 12 mm[Hg]
			-	:1 - 75 mm[Hg]
			Data Source	: User
			Parent	/Child Validation
		EI	ement: 14273 Procedur	Transcatheter Valve Therapy e Type
		Op	erator: Equal	
			Value: TMVr	
		EI	ement: 14273 Procedur	Transcatheter Valve Therapy e Type
		Op	erator: Equal	
			Value: TMVR	
		EI	ement: 14273 Procedur	Transcatheter Valve Therapy e Type
		Op	erator: Equal	
			Value: Tricuspic	Valve Procedure
				- AND
		EI		Pulmonary Capillary Wedge Not Documented
		Op	erator: Equal	
			Value: No (or N	ot Answered)





Section: Pre-Procedure	Diagnostic Cath Findings	Parent: Presentation a	and Evaluation
lement: 13716	Pulmonary Capillary Wedge Pressure	Not Documented	Technical Specification
			Code: 118433006
Coding Instruction: Target Value:	Indicate if the pulmonary capillary wedge pre	essure was not documented.	Code System Name: SNOMED CT
			Short Name: PCWP_ND
			Missing Data: Report
			Harvested: Yes (TMVR, TMVrpr, TT
			Is Identifier: No
			Is Base Element: Yes
			ls Followup Element: ^{No}
			Data Type: BL
			Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 14273 Transcatheter Valve Ther
			Procedure Type
			Operator: Equal
			Value: TMVR
			Element: 14273 Transcatheter Valve Ther Procedure Type
			Operator: Equal
			Value: Tricuspid Valve Procedure
			Element: 14273 Transcatheter Valve Ther Procedure Type
			Operator: Equal
			Value: TMVr





ement: 13719	Pulmonary Artery Mean Pressure		Technical Specification
Coding Instruction	Indicate the pulmonary artery mean pressure, in mm Hg.		Code: 112000001423
-	The last value between 12 months prior to arrival and start of	of the first procedure	ode System Name: ACC NCDR
Target Talao.			Short Name: PAPMean
		N	lissing Data: Report
			Harvested: Yes (TMVR, TMVrpr, TTVP)
			Is Identifier: No
		Is Ba	ase Element: Yes
			Is Followup
			Element.
			Data Type: PQ Precision: 2,0
		Sel	ection Type: Single
			of Measure: mm[Hg]
			efault Value: Null
			Jsual Range: 5 - 25 mm[Hg]
			Valid Range: 1 - 99 mm[Hg]
			Data Source: User
			Parent/Child Validation
		Elemen	nt: 14273 Transcatheter Valve Therapy Procedure Type
		Operate	pr: Equal
			ie: TMVR
			nt: 14273 Transcatheter Valve Therapy Procedure Type
		Operate	pr: Equal
			ie: Tricuspid Valve Procedure
			nt: 14273 Transcatheter Valve Therapy Procedure Type
		Operate	pr: Equal
		-	ie: TMVr
			AND
		Eleme	nt: 13720 Pulmonary Artery Mean Pressu Not Documented
		Operate	pr: Equal
			ie: No (or Not Answered)





amont: 12700	Bulmonony Artony Moon Processo Not Documents	Technical Specification
ement: 13720	Pulmonary Artery Mean Pressure Not Documente	Code: 112000001423
Coding Instruction:	Indicate the pulmonary artery mean pressure, in mm Hg.	Code System
Target Value:	N/A	
		Short Name: PAPMean_ND
		Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: BL Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therap
		Procedure Type Operator: Equal
		Value: Tricuspid Valve Procedure
		Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Operator: Equal
		Value: TMVr
ement: 13717	Pulmonary Artery Systolic Pressure	Technical Specification
	Indicate the pulmonary artery systolic pressure, in mm Hg.	Code: 250768007
-		of the first procedure Name: SNOMED CT
Target Value:	The last value between 12 months prior to arrival and start	Short Name: PAPSys
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup _{No}
		ls Followup Element: ^{No}
		Is Followup _{No}
		Is Followup _{No} Element: Data Type: PQ
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg]
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg]
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg]
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 13718 Pulmonary Artery Systolic Pressure Not Documented
		Is Followup Element: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 10 - 35 mm[Hg] Valid Range: 1 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type





Pulmonary Artery Systolic Pressure Not Documented		Technical Specification
Indicate true if the pulmonary artery systolic pressure is not docu	mented	Code: 250768007
		Code System Name: SNOMED CT
N/A		Short Name: PAPSys_ND
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element: ^{NO} Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therap
		Procedure Type Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Operator: Equal
		Value: TMVr
Pulmonary Vascular Resistance		Technical Specification
Indicate the pulmonary vascular resistance in Woods units (mm H	a/L/min).	Code: 276901002
		Code System Name: SNOMED CT
The last value between 12 months prior to arrival and start of the	lirst procedure	Short Name: PVR
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Data Type: PQ Precision: 4,2
		Selection Type: Single
		Unit of Measure: Wood units
		Default Value: Null
		Usual Range: 0.10 - 10.00 Wood units
		Valid Range: 0.10 - 25.00 Wood units
		Data Source: User
		Parent/Child Validation
		Elements 14070 Transaction to Make T
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Procedure Type
		Procedure Type Operator: Equal Value: Tricuspid Valve Procedure
		Procedure Type Operator: Equal Value: Tricuspid Valve Procedure
	Indicate true if the pulmonary artery systolic pressure is not docur N/A	Indicate true if the pulmonary artery systolic pressure is not documented N/A





Element: 14289	Pulmonary Vascular Resistance Not Documented	Technical Specification
Coding Instruction:	Indicate if the pulmonary vascular resistance was not documented.	Code: 276901002
-		Code System Name: SNOMED CT
Target Value:	N/A	Short Name: PVRND
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
lement: 14272	Right Atrial Pressure	Technical Specification
Coding Instruction:	Indicate the mean right atrial pressure (RAP) in mm Hg.	Code: 276755008
cound instruction.		Code System Name: SNOMED CT
	This can also documented as the central venous pressure (CVP).	Short Name: RAP
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element:
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 10 mm[Hg]
		Valid Range: 0 - 35 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type Operator: Equal
		Value: Tricuspid Valve Procedure
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Maluar TMU/r
		Value: TMVr
		Value: TMVr AND Element: 13829 Right Atrial Pressure Not
		AND
		AND AND Element: 13829 Right Atrial Pressure Not





lement: 13829	Right Atrial Pressure Not Documented	Technical Specification
Coding Instruction:	Indicate if the mean right atrial pressure pre-procedure, was not documented.	Code: 276755008
obuling instruction.		Code System Name: SNOMED CT
Target Value:	N/A	Short Name: MeanRAP_ND
-		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr, TTVP)
		Is Identifier: No Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: BL Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal Value: TMVR
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TMVr
lement: 13303	Right Ventricular Systolic Pressure	Technical Specification
Coding Instruction:	Indicate the right ventricular systolic pressure in mm Hg recorded prior to the start of the	Code: 276772001
	procedure. Note: If more than one RVSP documented, code the highest value.	Code System Name: SNOMED CT
Target Value:	The highest value between 12 months prior to the procedure and start of the procedure	Short Name: RVSP
Supporting Definition:	RV Systolic Pressure	Missing Data: Report Harvested: Yes (TAVR, TTVP)
	The maximum pressure exerted into the systemic arterial circulation during the contraction of	Is Identifier: No
	the right ventricle of the heart	Is Base Element: Yes
	Source: NCLEVS	
	Source: NCI EVS	Is Followup
	Source: NCI EVS	ls Followup Element: ^{No} Data Type: PQ
	Source: NCI EVS	Element: NO
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg]
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg]
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy Procedure Type
	Source: NCI EVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy Procedure Type
	Source: NCIEVS	Element: ^{NO} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: Tricuspid Valve Procedure
	Source: NCIEVS	Element: ^{NU} Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: Tricuspid Valve Procedure





Diagnostic Cath Findings Parent: Presentation	on and Evaluation
Right Ventricular Systolic Pressure Not Documented	Technical Specification
Indicate if the right ventricular systolic pressure was not documented.	Code: 276772001 Code System Name:
N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contrative right ventricle of the heart Source: NCI EVS	Short Name: RVSYSND Missing Data: Report Harvested: Yes (TAVR, TTVP)
	Right Ventricular Systolic Pressure Not Documented Indicate if the right ventricular systolic pressure was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contra the right ventricle of the heart





Section: Pre-Procedure	CTA Findings Parent: Presentation	
Element: 13422	Aortic Valve Annulus Assessment Method	Technical Specification
-	Indicate the method used to assess the aortic valve annulus size. Note: If the annulus was assessed with more than one method, code the findings base computed tomography angiography (CTA). If CTA was not performed, code the measur based on the assessment method (echo or other method) used to assess the annulus determine the size of the prosthetic valve implanted during the procedure. The value on current procedure	ement Short Name: AVDAnnulusSizeMethod
Supporting Definition:	AV Annulus Assessment Method The imaging modality method used to assess the aortic valve annulus. Source:	Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR
maging Modalities - 1.3.6.1.4.1	.19376.1.4.1.6.5.486	
Selection D	efinition Source	Code Code System Na
Computed Tomography Angiography		418272005 SNOMED
Transthoracic Echo (TTE) Transesophageal Echocardiogram (TEE) Other		433236007 SNOMED 105376000 SNOMED 100000351 ACC NC
Element: 13428	Aortic Valve Annulus Minimum Diameter	Technical Specification
-	Indicate the minimum diameter of the aortic valve annulus, in mm. Note: Document aortic valve annulus measurements that are available, preferably meas from a CT. The value on current procedure	Short Name: AVAnnulusDia Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: PQ Precision: 3,1 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10.0 - 40.0 mm Valid Range: 5.0 - 80.0 mm
		Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal





Section: Pre-Procedure	CTA Findings Pare	nt: Presentation and Evaluation
Element: 13429	Aortic Valve Annulus Maximum Diameter	Technical Specification
Coding Instruction:	Indicate the maximum diameter of the aortic valve annulus, in mm.	Code: 112000001241 Code System Name: ACC NCDR
	Note: Document aortic valve annulus measurements that are avail from a CT.	able, preferably measured Short Name: ACC NODR Short Name: AVAnnulusMaxDia Missing Data: Report
Target Value:	The value on current procedure	Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 3,1 Selection Type: Single Unit of Measure: mm
		Default Value: Null Usual Range: 10.0 - 40.0 mm Valid Range: 5.0 - 80.0 mm Data Source: User
		Parent/Child Validation Element: 14273 Transcatheter Valve Therap
lement: 13438	Aortic Valve Annulus Area	Operator: Equal Value: TAVR Technical Specification
	Indicate the area of the aortic valve annulus, in mm2.	Code: 112000001251
Cooling Instruction:	Note: Document aortic valve annulus measurements that are avail from a CT.	Short Name: AVAnnulusArea
Target Value:	The value on current procedure	Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 4,1 Selection Type: Single Unit of Measure: mm2 Default Value: Null Usual Range: 100.0 - 600.0 mm2 Valid Range: 100.0 - 999.0 mm2 Data Source: User
		Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TAVR





Element: 13439	Aortic Valve Annulus Perimeter	Technical Specification
Coding Instruction:	Indicate the perimeter of the aortic valve annulus, in mm.	Code: 112000001252
J		Code System Name:
	Note: Document aortic valve annulus measurements that are available, preferably measured from a CT.	Short Name: AVAnnulusPeri
		Missing Data: Report
Target Value:	The value on current procedure	Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: ^{No}
		Data Type: PQ
		Precision: 4,1
		Selection Type: Single
		Unit of Measure: mm
		Default Value: Null
		Usual Range: 50.0 - 90.0 mm
		Valid Range: 10.0 - 100.0 mm Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TAVR
lement: 13423	Aortic Valve Calcification Severity	Technical Specification
Coding Instruction:	Indicate the degree of calcification on the aortic valve, documented by CT.	Code: 18115005
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Code System Name: SNOMED CT
i al got i al doi		Short Name: AVCalc
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: CD
		Precision:
		Precision: Selection Type: Single
		Precision: Selection Type: Single Unit of Measure:
		Precision: Selection Type: Single Unit of Measure: Default Value: Null
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13437 Aortic Valve Calcification Severity Not Documented Operator: Equal
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13437 Aortic Valve Calcification Severity Not Documented Operator: Equal Value: No (or Not Answered)
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13437 Aortic Valve Calcification Severity Not Documented Operator: Equal Value: No (or Not Answered)
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13437 Aortic Valve Calcification Severity Not Documented Operator: Equal
		Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13437 Aortic Valve Calcification Severity Not Documented Operator: Equal Value: No (or Not Answered) AND Element: 14273 Transcatheter Valve Therapy

Aortic Valve Calcification - 1.3.6.1.4.1.19376.1.4.1.6.5.489

Selection	Definition	Source	Code	Code System Name
None			112000001127	ACC NCDR
Minimal			112000001247	ACC NCDR
Moderate/Severe			112000001249	ACC NCDR





Element: 13437	Aortic Valve Calcification Severity Not Documented	Technic	al Specification
Coding Instruction:	Indicate if the degree of calcification on the aortic valve was not doc	una a sta al	18115005
Target Value:	·	Code System Name:	SNOMED CT
ranget value.		Short Name:	AVCalcND
		Missing Data:	Report
		Harvested:	Yes (TAVR)
		Is Identifier:	No
		Is Base Element:	Yes
		Is Followup Element:	No
		Data Type:	BL
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
		Parent/	Child Validation
		Element: 14273 Procedure	Transcatheter Valve Therap
		Operator: Equal	
		Value: TAVR	





Element: 13305	Left Ventricular Ejection Fraction	Technical Specification
Coding Instruction:	Indicate the percentage of the blood emptied from the left ventricle at the end of the	Code : 10230-1
obuing mandellon.	contraction.	Code System Name:
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: LVEFMeasure
Supporting Definition:	Most Recent LVEF %	Missing Data: Report
	The left ventricular ejection fraction is the percentage of blood emptied from the left ventricle at	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
	the end of contraction.	Is Identifier: No
	Source: ACC Clinical Data Standards, Society for Thoracic Surgeons Adult Cardiac Surgery Database (STS)	Is Base Element: Yes
	Dalabase (515)	Is Followup Element:
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: %
		Default Value: Null
		Usual Range: 5 - 90 %
		Valid Range: 1 - 99 %
		Data Source: User
		Parent/Child Validation
		Element: 13306 Left Ventricular Ejection Fra Not Assessed
		Element: 13306 Left Ventricular Ejection Fra
		Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal
Element: 13306	Left Ventricular Ejection Fraction Not Assessed	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal
	· · · · ·	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System
	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Short Name: LVEFNA
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR,
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Short Name: LVEFNA Missing Data: Report
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: ACC NCDR Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure:
-	Indicate whether the left ventricular ejection fraction was not assessed or not measured.	Element: 13306 Left Ventricular Ejection Fra Not Assessed Operator: Equal Value: No (or Not Answered) Technical Specification Code: 100001027 Code System Name: Short Name: LVEFNA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null





Section: Left Ventricula		Parent: Pre-Procedure Echocardiogram	
Element: 13721	Left Ventricular Internal Systolic Dimension	1	Fechnical Specification
Coding Instruction:	Indicate the left ventricular internal systolic dimension in cm.	Cada	Code: 112000001424
-	The last value between 12 months prior to arrival and start of	code	System Name: ACC NCDR
Taiget Value.			t Name: LVIDs
		Missi	ng Data: Report
			rvested: Yes (BDS, TMVR, TMVrpr)
			entifier: No lement: Yes
		Is base E	ollowup No
		E	lement: No
			ta Type: PQ
			ecision: 2,1
			n Type: Single easure: cm
			t Value: Null
		Usua	Range: 2.5 - 4.5 cm
		Valid	Range: 1.0 - 9.0 cm
		Data	Source: User
			Parent/Child Validation
			3722 Left Ventricular Internal Systoli imension Not Measured
		Operator: E	
			lo (or Not Answered)
			AND Transition the stare by factors and the st
		F	4273 Transcatheter Valve Therapy rocedure Type
		Operator: E	
		Value: T Element: 1	
			rocedure Type
		Operator: E	
		Value: T	MVR
Element: 13722	Left Ventricular Internal Systolic Dimension Not Me	easured	Fechnical Specification
Coding Instruction:	Indicate if the left ventricular internal systolic dimension was	not monocured	Code: 112000001424
-	-	Code	System Name: ACC NCDR
Target Value:	N/A		
		Shor	
			t Name: LVIDs_NM
		Missi	
		Missin Hai Is Id	t Name: LVIDs_NM ng Data: Report rvested: Yes (BDS, TMVR, TMVrpr) entifier: No
		Missi Ha Is Id Is Base E	t Name: LVIDs_NM ng Data: Report rvested: Yes (BDS, TMVR, TMVrpr) entifier: No ilement: Yes
		Missi Ha Is Id Is Base E Is F	t Name: LVIDs_NM ng Data: Report rvested: Yes (BDS, TMVR, TMVrpr) entifier: No
		Missi Ha Is Id Is Base E Is F E	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No lement: Yes pollowup
		Missi Ha Is Id Is Base E Is F E Da Pr	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No ilement: Yes ollowup ilement: No ta Type: BL ecision:
		Missi Ha Is Id Is Base E Is F E Da Pr Selectic	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No ilement: Yes ollowup ilement: No ta Type: BL ecision: in Type: Single
		Missi Hau Is Id Is Base E Is F E Da Pr Selectic Unit of M	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No ilement: Yes ollowup ilement: No ta Type: BL ecision: on Type: Single easure:
		Missi Hau Is Id Is Base E Is F E Da Pr Selectic Unit of M Defau	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No ilement: Yes ollowup ilement: No ta Type: BL ecision: on Type: Single easure: t Value: Null
		Missi Hau Is Id Is Base E Is F E Da Pr Selectic Unit of M Defau Usua	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No ilement: Yes ollowup ilement: No ta Type: BL ecision: on Type: Single easure:
		Missi Hau Is Id Is Base E Is F Da Da Pr Selectic Unit of M Defau Usua Valic	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No ilement: Yes ollowup ilement: No ta Type: BL ecision: on Type: Single easure: t Value: Null I Range:
		Missi Hau Is Id Is Base E Is F Da Pr Selectic Unit of M Defau Usua Valic Data	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No ilement: Yes ollowup ilement: No ta Type: BL ecision: on Type: Single easure: t Value: Null I Range:
		Missi Hau Is Id Is Base E Is F Da Pr Selectic Unit of M Defau Usua Valic Data I Element: 1	t Name: LVIDs_NM ng Data: Report vested: Yes (BDS, TMVR, TMVrpr) entifier: No dement: Yes ollowup lement: Yes ollowup lement: No ta Type: BL ecision: n Type: Single easure: easure: t Value: Null I Range: Source: User Parent/Child Validation 4273 Transcatheter Valve Therapy
		Missi Hai Is Id Is Base E Is F Da Pr Selectic Unit of M Defau Usua Valic Data I Element: 1 F Operator: E	t Name: LVIDs_NM ng Data: Report rvested: Yes (BDS, TMVR, TMVrpr) entifier: No lement: Yes ollowup klement: Yes ollowup klement: No lement: No lement: No lement: Single easure: t Value: Null Range: Source: User Parent/Child Validation 4273 Transcatheter Valve Therapy trocedure Type qual
		Missi Hai Is Id Is Base E Is F Da Pr Selectic Unit of M Defau Usua Valic Data I Element: 1 F Operator: E Value: T	t Name: LVIDs_NM ng Data: Report rvested: Yes (BDS, TMVR, TMVrpr) entifier: No lement: Yes ollowup klement: Yes ollowup klement: No ta Type: BL ecision: n Type: Single easure: t Value: Null Range: Source: User Parent/Child Validation 4273 Transcatheter Valve Therapy trocedure Type qual MVr
		Missi Hau Is Id Is Base E Is F Da Da P P Selectic Unit of M Defau Usua Valic Data Element: 1 F Operator: E Value: T Element: 1	t Name: LVIDs_NM ng Data: Report rvested: Yes (BDS, TMVR, TMVrpr) entifier: No lement: Yes ollowup ilement: No ta Type: BL ecision: on Type: Single easure: t Value: Null Range: Range: Source: User Parent/Child Validation 4273 Transcatheter Valve Therapy rocedure Type qual MVr
		Missi Hau Is Id Is Base E Is F Da Da P P Selectic Unit of M Defau Usua Valic Data Element: 1 F Operator: E Value: T Element: 1	t Name: LVIDs_NM ng Data: Report rvested: Yes (BDS, TMVR, TMVrpr) entifier: No lement: Yes ollowup lement: Yes ollowup lement: BL ecision: on Type: Single easure: t Value: Null I Range: Range: Source: User Parent/Child Validation 4273 Transcatheter Valve Therapy rocedure Type qual MVr 4273 Transcatheter Valve Therapy trocedure Type





ement: 13723	Left Ventricular Internal Diastolic Dimension		Technical Specification
Coding Instruction:	Indicate the left ventricular internal diastolic dimension in cn	٦.	Code: 112000001425
Target Value:	The last value between 12 months prior to arrival and start	of the first procedure	Name:
·	······································		Short Name: LVIDd
			Missing Data: Report
			Harvested: Yes (BDS, TMVR, TMVrpr)
			Is Identifier: No
			Is Base Element: Yes
			Is Followup Element:
			Data Type: PQ
			Precision: 3,1
			Selection Type: Single
			Unit of Measure: cm
			Default Value: Null
			Usual Range: 3.5 - 5.5 cm
			Valid Range: 1.0 - 10.0 cm
			Data Source: User
			Parent/Child Validation
			Element: 13724 Left Ventricular Internal Dias Dimension Not Measured
			Operator: Equal
			Value: No (or Not Answered)
			AND
			Element: 14273 Transcatheter Valve Therapy Procedure Type
			Operator: Equal
			Value: TMVr
			Element: 14273 Transcatheter Valve Therapy
			Element: 14273 Transcatheter Valve Therapy Procedure Type
			Element: 14273 Transcatheter Valve Therapy
			Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR
ment: 13724	Left Ventricular Internal Diastolic Dimension Not I	Measured	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification
			Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425
	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: ACC NCDR
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 11200001425 Code System Name: ACC NCDR Short Name: LVIDd_NM
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: ACC NCDR
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 11200001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: ACC NCDR Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
-	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: ACC NCDR Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: ACC NCDR Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: ACC NCDR Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 11200001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 11200001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 112000001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 11200001425 Code System Name: ACC NCDR Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 11200001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 11200001425 Code System Name: ACC NCDR Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVr Element: 14273 Transcatheter Valve Therap
Coding Instruction:	Indicate if the left ventricular internal diastolic dimension wa		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 11200001425 Code System Name: Short Name: LVIDd_NM Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVr





Element: 13725	Left Ventricular End Systolic Volume	Technical Specification
		Code: 250931004
-	Indicate the left ventricular end systolic volume in ml documented by	SNOMED CT
Target Value:	The last value between 12 months prior to arrival and start of the fin	rst procedure Name: Short Name: LVESV
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element: NO Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mL
		Default Value: Null
		Usual Range: 10 - 150 mL
		Valid Range: 1 - 300 mL
		Data Source: User
		Parent/Child Validation
		Element: 13727 Left Ventricular End Systolic Volume Not Measured
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Operator: Equal Value: TMVR
Element: 13727	Left Ventricular End Systolic Volume Not Measured	
	Left Ventricular End Systolic Volume Not Measured	Value: TMVR Technical Specification Code: 250931004
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004
	Indicate if the left ventricular end systolic volume was not measured	d. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	d. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	d. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	d. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	d. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	d. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	d. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No
-	Indicate if the left ventricular end systolic volume was not measured	A. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	d. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	A. Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Sull
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code System Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range:
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code: 250931004 Code: SNOMED CT Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Followup No Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source:
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code System SNOMED CT Name: SNOMED CT Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Usual Range: Valid Range: Valid Range: Data Source: User Element: 14273 Transcatheter Valve Therapy Procedure Type States of the
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code System Name: Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Base Element: Yes Is Followup Base Element: Yes Is Followup Bl Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Procedure Type Operator: Equal
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code System Name: Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: Value: Codue: Element: 14273 Coperator: Equal Value:
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code System Name: Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Procedure Type Operator: Equal Value: Value: Market Procedure Type <
Coding Instruction:	Indicate if the left ventricular end systolic volume was not measured	Value: TMVR Technical Specification Code: 250931004 Code: 250931004 Code: System Name: Short Name: LVESV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Is Base Element: Yes Is Followup Bata Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Element: 14273 Value: Transcatheter Valve Therapy





ement: 13726	Left Ventricular End Diastolic Volume	Technical Specification
		Code: 250932006
-	Indicate the left ventricular end diastolic volume in ml, documented by echocardiogram.	Code System Name: SNOMED CT
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	
		Short Name: LVEDV Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mL Default Value: Null
		Usual Range: 40 - 250 mL
		Valid Range: 1 - 400 mL
		Data Source: User
		Parent/Child Validation
		Element: 13728 Left Ventricular End Diastolic
		Volume Not Measured
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type Operator: Equal
		Value: TM\/r
		Value: TMVr Element: 14273 Transcatheter Valve Therapy
		Element: 14273 Transcatheter Valve Therapy
		Element: 14273 Transcatheter Valve Therap Procedure Type
ement: 13728	Left Ventricular End Diastolic Volume Not Measured	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal
		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006
	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Js Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVr
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type
Coding Instruction:	Indicate if the left ventricular end diastolic volume was not measured.	Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Technical Specification Code: 250932006 Code System Name: SNOMED CT Short Name: LVEDV_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVr





Element: 13729	Left Atrial Volume	Technical Specification
		Code: 112000001426
Coding Instruction:	Indicate the left atrial volume in ml documented by echocardiogram.	Code System Name: ACC NCDR
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	
		Short Name: LAVol Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element.
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single Unit of Measure: mL
		Default Value: Null
		Usual Range: 10 - 90 mL
		Valid Range: 1 - 500 mL
		Data Source: User
		Parent/Child Validation
		Element: 13730 Left Atrial Volume Not Measur
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal Value: TMVr
		Operator: Equal Value: TMVr
lement: 13730	Left Atrial Volume Not Measured	Operator: Equal Value: TMVr Technical Specification
	Left Atrial Volume Not Measured Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification
	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: ACC NCDR
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: Short Name: LAVol_NM
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Code: 112000001426 Code System Name: Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 112000001426 Code System Name: ACC NCDR ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 112000001426 Code System Name: ACC NCDR ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 112000001426 Code System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Value:
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code: 11200001426 Code: 11200001426 Code System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code: 11200001426 Code: 11200001426 Code: System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is ldentifier: No Is Base Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Null Null
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 112000001426 Code System Name: Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 112000001426 Code System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal
Coding Instruction:	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Procedure Type Operator: Equal Value: TMVR
-	Indicate if the left atrial volume was not measured.	Operator: Equal Value: TMVr Technical Specification Code: 11200001426 Code System Name: ACC NCDR Short Name: LAVol_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal





		Technical Or office the
Element: 13731	Left Atrial Volume Index	Code: 112000001427
Coding Instruction:	Indicate the left atrial volume index in mL/m2, documented by echocardiogram.	
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Code System Name: ACC NCDR
		Short Name: LAVolIndex
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr) Is Identifier: No
		Is Base Element: Yes
		Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: ml/m2 Default Value: Null
		Usual Range: 10 - 90 ml/m2
		Valid Range: 1 - 250 ml/m2
		Data Source: User
		Parent/Child Validation
		Element: 13732 Left Atrial Volume Index Not Measured
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal Value: TMVr
lement: 13732	Left Atrial Volume Index Not Measured	Value: TMVr
	Left Atrial Volume Index Not Measured	Value: TMVr Technical Specification Code: 112000001427
	Left Atrial Volume Index Not Measured Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427
	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System Name: ACC NCDR
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System Name: Short Name: LAVolIndex_NM
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System Name: Short Name: LAVolIndex_NM Missing Data: Report
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System Name: Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr)
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System ACC NCDR Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System ACC NCDR Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System ACC NCDR Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Followup No
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Precision:
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code: 112000001427 Code System Name: ACC NCDR Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code: 112000001427 Code System Name: ACC NCDR Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Single
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Value: TMVr Technical Specification Code: 112000001427 Code System Name: ACC NCDR Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code: 112000001427 Code System Name: ACC NCDR Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code: 112000001427 Code System Name: ACC NCDR Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Null Null
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code: 112000001427 Code System Name: ACC NCDR Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code System ACC NCDR ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Data Source: User Parent/Child Validation Element: Parent/Child Validation Element: Data Source: User
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code System Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Data Source: User Procedure Type Operator: Element: Yes
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code System Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR
Coding Instruction:	Indicate if the left atrial volume index was not measured.	Technical Specification Code System Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR Element: 14273
-	Indicate if the left atrial volume index was not measured.	Technical Specification Code System Name: ACC NCDR Short Name: LAVolIndex_NM Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: TMVR



Rheumatic

Full Specifications **Data Dictionary v3.0**



58718002

SNOMED CT

Section: Aortic Valve Disease Etiology Parent: Pre-Procedure Echocardiogram Findings Element: 13442 **Technical Specification** Aortic Valve Disease Etiology Code: 112000001253 Code System ACC NCDR Coding Instruction: Indicate primary etiology of aortic valve disease. Target Value: Any occurrence between 12 months prior to arrival and start of the first procedure Short Name: VDAoEt Supporting Definition: Aortic Valve Disease Etiology Missing Data: Report The cause of aortic valve disease. Harvested: Yes (BDS, TAVR) Is Identifier: No Source: Is Base Element: Yes Is Followup No Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Aortic Valve Disease Etiology - 1.3.6.1.4.1.19376.1.4.1.6.5.493 Selection Definition Source Code Code System Name Degenerative 112000001254 ACC NCDR Endocarditis 56819008 SNOMED CT

	10000	0351	ACC NCI
Aortic Valve Morphology			ı
Indicate the morphology of the aortic valve.			
If a patient was born with a tricuspid valve with two leaflets that are fused, code tricuspid.			
The value at birth	Missing Data:	Report	
Aortic Valve Disease	Harvested:	Yes (BDS, TAVR)	
Source:	Is Followup Element:	No	
	Data Type:	CD	
	Precision:		
	Selection Type:	Single	
	Unit of Measure:		
	Default Value:	Null	
	Usual Range:		
	Valid Range:		
	Data Source:	User	
	Parent/	Child Validatior	า
			Therapy
	Operator: Equal Value: TAVR		
	Aortic Valve Morphology Indicate the morphology of the aortic valve. If a patient was born with a tricuspid valve with two leaflets that are fused, code tricuspid. The value at birth Aortic Valve Disease A disorder characterized by a defect in aortic valve function or structure. Source:	Aortic Valve Morphology Technic Indicate the morphology of the aortic valve. Code: If a patient was born with a tricuspid valve with two leaflets that are fused, code tricuspid. Name: The value at birth Short Name: Aortic Valve Disease A disorder characterized by a defect in aortic valve function or structure. Short Name: Source: Is Identifier: Is Base Element: Data Type: Precision: Selection Type: Unit of Measure: Unit of Measure: Usual Range: Valid Range: Valid Range: Valid Range: Technic Element: 14273 Procedure Operator:	Indicate the morphology of the aortic valve. Code: 8722008 If a patient was born with a tricuspid valve with two leaflets that are fused, code tricuspid. Short Name: AVMorphology The value at birth Aortic Valve Disease A disorder characterized by a defect in aortic valve function or structure. Short Name: AVMorphology Source: Is Identifier: No Is Base Element: Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Operator: Element: 14273 Transcatheter Valve

SelectionDefinitionSourceCodeCode System NameBicuspid Aortic Valve72352009SNOMED CTTricuspid Valve46030003SNOMED CTOther100000351ACC NCDR





Element: 13469	Ascending Aorta Size	Technical Specification
Coding Instruction:	Indicate the size, in cm, of the ascending aorta.	Code: 112000001258
-	_	Name:
Target Value:	The last value between 12 months prior to arrival and start of the fir	st procedure Short Name: AASize
Supporting Definition:	Ascending Aorta Measurement	Missing Data: Report
Supporting Dominion.	Quantitative measurement of the ascending aorta.	Harvested: Yes (TAVR)
	Source:	Is Identifier: No
	Source:	Is Base Element: Yes
		Is Followup Element:
		Data Type: PQ
		Precision: 3,1
		Selection Type: Single
		Unit of Measure: cm
		Default Value: Null
		Usual Range: 0.2 - 8.0 cm
		Valid Range: 0.0 - 12.0 cm
		Data Source: User
		Parent/Child Validation
		Element: 13468 Aortic Valve Morphology
		Operator: Equal
		Value: Bicuspid Aortic Valve
		Element: 13470 Ascending Aorta Size Not
		Documented
		Operator: Equal
		Value: No (or Not Answered)
lement: 13470	Ascending Aorta Size Not Documented	Technical Specification
	-	Code: 11200001258
Coding Instruction:	Indicate if the size of the ascending aorta was not documented in th	e medical record. Code System Name: ACC NCDR
Target Value:	N/A	Name: Name:
Supporting Definition:	Ascending Aorta Measurement	Short Name: AASizeND
euppering zermien	Quantitative measurement of the ascending aorta.	Missing Data: Report
	Source:	Harvested: Yes (TAVR) Is Identifier: No
	Source.	Is Base Element: Yes
		Is Followup Element: No
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation Element: 13468 Aortic Valve Morphology

Element: 13468 Aortic Valve Morphology Operator: Equal Value: Bicuspid Aortic Valve





lement: 13471	Aortic Valve Annular Calcification	Technical Specification
Coding Instruction:	Indicate if annular calcification is present on the aortic valve.	Code: 18115005
county instruction.	indicate il annular calcinication is present on the abrit valve.	Code System Name: SNOMED CT
	Code yes if echo reports document calcification in the aortic valve leaflets, aorta adjacent to	Name: SNOWLD CT Short Name: AVAnnularCalc
	the AV, leaflets or the left ventricular outflow tract (LVOT), or if echo reports document AV	Missing Data: Report
	calcific degeneration.	Harvested: Yes (TAVR)
		Is Identifier: No
Tanad Malaa	An example in the second second second start of the first second second	Is Base Element: Yes
l'arget value:	Any occurrence between 12 months prior to arrival and start of the first procedure	Is Followup No
		Element: NO
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TAVR
ement: 13477	Aortic Valve Regurgitation	Technical Specification
	Aortic Valve Regurgitation	Technical Specification Code: 60234000
	Aortic Valve Regurgitation Indicate the severity of aortic valve regurgitation.	Code: 60234000
Coding Instruction:	· ·	-
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System Name: SNOMED CT Short Name: VDInsufA
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System Name: SNOMED CT Short Name: VDInsufA Missing Data: Report
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System Name: SNOMED CT Short Name: VDInsufA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR,
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System Name: SNOMED CT Short Name: VDInsufA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System Name: SNOMED CT Short Name: VDInsufA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR,
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System Name: SNOMED CT Short Name: VDInsufA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System Name: SNOMED CT Short Name: VDInsufA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System SNOMED CT Name: VDInsufA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup Element: Data Type: CD
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code: 60234000 Code System SNOMED CT Name: VDInsufA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Element: CD Precision: CD
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code:60234000Code System Name:SNOMED CTShort Name:VDInsufAMissing Data:ReportHarvested:Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDSelection Type:Single
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code:60234000Code System Name:SNOMED CTShort Name:VDInsufAMissing Data:ReportHarvested:Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:Single
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code:60234000Code System Name:SNOMED CTShort Name:VDInsufAMissing Data:ReportHarvested:Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:SingleDefault Value:Null
Coding Instruction:	Indicate the severity of aortic valve regurgitation.	Code:60234000Code System Name:SNOMED CTShort Name:VDInsufAMissing Data:ReportHarvested:Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:NullUsual Range:Null
-	Indicate the severity of aortic valve regurgitation.	Code:60234000Code System Name:SNOMED CTShort Name:VDInsufAMissing Data:ReportHarvested:Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:Null

Valve Regurgitation Severity - 1.3.6.1.4.1.19376.1.4.1.6.5.767

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Trace/Trivial			112000001911	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





-	Indicate whether aortic stenosis is present.	Code: 60573004	
-		00000.00070004	
l'arget value:	·	Code System Name: SNOMED CT	
	Any occurrence between 12 months prior to arrival and start of the first procedure	Short Name: VDStenA	
		Missing Data: Report	
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)	
		Is Identifier: No	
		Is Base Element: Yes	
		Is Followup No	
		Element:	
		Data Type: BL	
		Precision:	
		Selection Type: Single Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
lement: 13481	Aortic Valve Area	Technical Specification	
Coding Instruction:	Indicate the smallest aortic valve area (in cm squared) obtained from an echocardiogram or	Code: 112000001280	
-	cath report.	Code System Name:	
Target Value:	The lowest value between 12 months prior to start of procedure and start of procedure	Short Name: VDAoVA	
		Missing Data: Report	
		Harvested: Yes (BDS, TAVR)	
		Is Identifier: No	
		Is Base Element: Yes	
		Is Followup Element:	
		Data Type: PQ	
		Precision: 3,2	
		Selection Type: Single	
		Unit of Measure: cm2	
		Default Value: Null	
		Usual Range: 0.20 - 4.00 cm2	
		Valid Range: 0.05 - 5.00 cm2	
		Data Source: User	
		Parent/Child Validation	
		Element: 13307 Aortic Stenosis	
		Operator: Equal	
		Value: Yes	
		AND	
		Element: 14273 Transcatheter Valve Therapy Procedure Type	
		Operator: Equal	





lement: 13674	Aortic Valve Mean Gradient	Technical Specification
Coding Instruction	Indiante the highest MEAN gradient (in mm Ha) acress the certic value	Code: 112000001398
Coding Instruction:	Indicate the highest MEAN gradient (in mm Hg) across the aortic valve.	Code System Name: ACC NCDR
Target Value:	The highest value between 12 months prior to the procedure and start of the procedure	
		Short Name: VDGradA Missing Data: Report
		Harvested: Yes (BDS, TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element: NO
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 5 - 50 mm[Hg]
		Valid Range: 0 - 200 mm[Hg] Data Source: User
		Parent/Child Validation
		Element: 13307 Aortic Stenosis
		Operator: Equal
		Value: Yes
		AND
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal Value: TAVR
-	Indicate if there was low flow, which is defined as a stroke volume index <35 ml/m2.	Code System
county instruction.	indicate if there was low now, which is defined as a stroke volume index <35 m/mz.	Code System
	The last value had used 10 months are instantian in the destruction of the first second data	Name: SNOMED CT
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Code System Name: SNOMED CT
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision:
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Data Type: CD Precision: Selection Type: Single Unit of Measure:
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Velocities
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name:SVIMissing Data:ReportHarvested:Yes (TAVR)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:Selection Type:Selection Type:SingleUnit of Measure:Default Value:NullUsual Range:Valid Range:Data Source:UserValid
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: CD Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than Value: 40
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than Value: 40
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than Value: 40 AND Element: 13701 Low Flow Not Documented
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than Value: 40 AND
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than Value: 40
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than Value: 40 AND Element: 13701 Low Flow Not Documented Operator: Equal Value: No (or Not Answered) AND
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than Value: 40 Element: 13701 Low Flow Not Documented Operator: Equal Value: No (or Not Answered)
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: SVI Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13674 Aortic Valve Mean Gradient Operator: Less Than Value: 40 Comment: 13701 Low Flow Not Documented Operator: Equal Value: No (or Not Answered) AND Element: 14273

Boolean w/Unknown - 1.3.6.1.4.1.19376.1.4.1.6.5.444

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR





Element: 13701	Low Flow Not Documented	Technical Specification
Coding Instruction:	Indicate if the stroke volume index was not documented.	Code: 112000001830
-		Code System Name: ACC NCDR
Target Value:	N/A	Short Name: SVI ND
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13674 Aortic Valve Mean Gradient Operator: Less Than
		Value: 40
		AND
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TAVR
lement: 13702	Aortic Valve Peak Gradient	Technical Specification
		Code: 112000001413
Coding Instruction:	Indicate the aortic valve peak gradient in mm Hg.	act of the procedure Name:
Target Value:	The highest value between 12 months prior to the procedure and st	
		Short Name: AVPeakGrad
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		la Fallowum
		Is Followup Element: ^{No}
		Liement
		Is Followup Element: Data Type: PQ Precision: 3,0
		Data Type: PQ
		Data Type: PQ Precision: 3,0
		Data Type: PQ Precision: 3,0 Selection Type: Single
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg]
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg] Valid Range: 0 - 200 mm[Hg]
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg]
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg] Valid Range: 0 - 200 mm[Hg] Data Source: User Parent/Child Validation
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg] Valid Range: 0 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 13307 Aortic Stenosis
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg] Valid Range: 0 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 13307 Aortic Stenosis Operator: Equal
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg] Valid Range: 0 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 13307 Aortic Stenosis Operator: Equal Value: Yes
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg] Valid Range: 0 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 13307 Aortic Stenosis Operator: Equal Value: Yes AND
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg] Valid Range: 0 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 13307 Aortic Stenosis Operator: Equal Value: Yes AND
		Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 70 mm[Hg] Valid Range: 0 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 13307 Aortic Stenosis Operator: Equal Value: Yes AND Element: 14273 Transcatheter Valve Therapy





ction: Aortic Valve Di	sease Etiology Parent: Pre-Procedure Ec	hocardiogram Findings
nent: 13703	Aortic Valve Peak Velocity	Technical Specification
		Code: 112000001414
Coding Instruction:	Indicate the aortic valve peak velocity, in meters per second, as determined by continuous wave (CW) spectral velocity recording on echocardiography.	Code System Name: ACC NCDR
Target Value:	The highest value between 12 months prior to the procedure and start of the procedure	Short Name: AVDPeakVelocity
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: PQ
		Precision: 2,1
		Selection Type: Single
		Unit of Measure: m/sec
		Default Value: Null
		Usual Range: 1.0 - 4.0 m/sec
		Valid Range: 1.0 - 8.0 m/sec
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve The Procedure Type
		Operator: Equal
		Value: TAVR





ement: 13704	Mitral Valve Disease	Technic	cal Specification
Coding Instruction:	Indicate whether mitral valve disease is present.	Code: Code System Name:	11851006
	If there was no documentation of mitral valve disease, code no.		
Towned Volum	Any analysis hat uses 10 months prior to the procedure and start of the procedure	Short Name:	
l'arget value:	Any occurrence between 12 months prior to the procedure and start of the procedure	Missing Data:	
			Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	No
		Data Type:	BL
		Precision:	
		Selection Type:	•
		Unit of Measure:	
		Default Value:	
		Usual Range:	
		Valid Range: Data Source:	
		Data Source:	USEI
lement: 13672	Mitral Regurgitation		cal Specification
Coding Instruction:	Indicate the severity of regurgitation through the mitral valve.	Code:	48724000
county instruction.		Code System Name:	SNOMED CT
	Note(s): Code the highest value or most severe regurgitation when a range is reported.	Short Name:	PreprocMR
		Missing Data:	Report
Target Value:	The highest value between 12 months prior to the procedure and start of the procedure	Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	No
		Is Base Element:	Yes
		Is Followup Element:	No
		Element:	
		Element: Data Type:	
			CD
		Data Type: Precision: Selection Type:	CD Single
		Data Type: Precision: Selection Type: Unit of Measure:	CD Single
		Data Type: Precision: Selection Type: Unit of Measure: Default Value:	CD Single Null
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	CD Single Null
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range:	CD Single Null
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source:	CD Single Null User
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	CD Single Null User Child Validation
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	CD Single Null User

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Trace/Trivial			112000001911	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Moderate-Severe			1000142345	ACC NCDR
Severe			11200000382	ACC NCDR





Section: Mitral Valve Disease Paren		Pre-Procedure Echocardiogram Findings
ement: 13733	Paravalvular Mitral Regurgitation	Technical Specification
Coding Instruction:	Indicate the severity of paravalvular mitral regurgitation.	Code: 112000001428 Code System ACC NODR
	Note: If trace/trivial is documented, code "none".	Name: ACCINCOR
Target Value:	The highest value between 12 months prior to the procedure and start	t of the procedure Missing Data: Report
Taiget value.		Harvested: Yes (BDS, TMVR)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal Value: TMVR
		AND
		Element: 13734 Paravalvular Regurgitation No Documented
		Operator: Equal
		Value: No (or Not Answered) AND
		Element: 13672 Mitral Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13672 Mitral Regurgitation Operator: Equal
		Value: Moderate
		Element: 13672 Mitral Regurgitation
		Operator: Equal
		Value: Moderate-Severe Element: 13672 Mitral Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13672 Mitral Regurgitation
		Operator: Equal

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





lement: 13734	Paravalvular Regurgitation Not Documented	Technical Specification
	Indicate if the severity of paravalvular mitral regurgitation was not documente	ed. Code: 11200001428 Code System Name: ACC NCDR Short Name: VDInsufMPara_ND Missing Data: Report Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No
		Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
		Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
		Coperator: Equal Value: TMVR Coperator: Equal Coperator: AND Coperator: Equal Coperator: Equal Coperator: Equal Value: Mild Coperator: Equal
		Element:13672Mitral RegurgitationOperator:EqualValue:ModerateElement:13672Mitral RegurgitationOperator:EqualValue:SevereElement:13672Mitral Regurgitation
		Operator: Equal Value: Trace/Trivial Element: 13672 Mitral Regurgitation Operator: Equal Value: Moderate-Severe





Element: 14273 Transcatheter Valve Th Procedure Type Operator: Equal Value: TMVR AND Element: 13736 Central Regurgitation No Documented	Section: Mitral Valve Di	sease Parent: Pre-Proce	dure Echocardiogram Findings
Coding Instruction: Indicate the severity of central mitral regurgitation. Note: If trace/trivial is documented, code "none". Target Value: The highest value between 12 months prior to the procedure and start of the procedure Is followy: No Element: Yes (BOS, TMVR) Is dentifier: No Is dentifier: No Is dentifier: No Element: Yes (BOS, TMVR) Is dentifier: No Is	lement: 13735	Central Mitral Regurgitation	Technical Specification
Target Value: The highest value between 12 months prior to the procedure and start of the procedure Missing Data: Report Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: Yes Sigle Unit of Measure: Default Value: Null Usual Range: Value: Mull Usual Range: Value: Mull Element: 13672 Mitral Regurgitation Operator: Equal Value: Moderate Element: 13672 Mitral Regurgitation Operator: Equal Value: TraceTrivial Element: 13673 Mitral Regurgitation Operator: Equal Value: TraceTrivial Element: 13673 Mitral Regurgitation Operator: Equal Value: TraceTrivial Element: 13673 Mitral Regurgitation Operator: Equal Value: TraceTrivial Element: 1373 Mitral Regurgitation Operator: Equal Value: TraceTrivial Element: 1373 Mitral Regurgitation Operator: Equal Value: TraceTrivial Element: 1373 Mitral Regurgitation No Documented		Indicate the severity of central mitral regurgitation.	Code System Name: ACC NCDR
Valid Range: Data Source: User Parent/Child Validation Element: 13672 Mitral Regurgitation Operator: Equal Value: Moderate Element: 13672 Mitral Regurgitation Operator: Operator: Equal Value: Noderate Element: 13672 Mitral Regurgitation Operator: Operator: Equal Value: Moderate-Severe Value: Moderate-Severe Value: Moderate-Severe Value: Transcatheter Valve The Procedure: Transcatheter Valve The Procedure: AND Contral Regurgitation to Documented	Target Value:		dure Missing Data: Report Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null
Operator: Equal Value: Mild Element: 13672 Value: Moderate Element: 13672 Value: Severe Element: 13672 Value: Severe Element: 13672 Value: Severe Element: 13672 Mitral Regurgitation Operator: Operator: Equal Value: Tace/Trivial Element: 13672 Mitral Regurgitation Operator: Operator: Equal Value: Moderate-Severe			Valid Range: Data Source: User
Element: 13672 Mitral Regurgitation Operator: Equal Value: Severe Element: 13672 Mitral Regurgitation Operator: Equal Value: Trace/Trivial Element: 13672 Mitral Regurgitation Operator: Operator: Equal Value: Trace/Trivial Element: 13672 Mitral Regurgitation Operator: Equal Value: Mitral Regurgitation Operator: Equal Value: Moderate-Severe Value: Moderate-Severe AND Procedure Type Operator: Equal Value: Transcatheter Valve The Procedure Type Operator: Equal Value: TMVR Concorder Type Operator: Equal Value: Value: TMVR MD Documented			Operator: Equal Value: Mild Element: 13672 Mitral Regurgitation Operator: Equal
Value: Trace/Trivial Element: 13672 Mitral Regurgitation Operator: Equal Value: Moderate-Severe AND Element: 14273 Transcatheter Valve Th Procedure Type Operator: Equal Value: TMVR AND Element: 13736 Central Regurgitation No Documented			Element:13672Mitral RegurgitationOperator:EqualValue:SevereElement:13672Mitral Regurgitation
Element: 14273 Transcatheter Valve Th Procedure Type Operator: Equal Value: TMVR 			Value: Trace/Trivial Element: 13672 Mitral Regurgitation Operator: Equal
Value: TMVR AND Element: 13736 Central Regurgitation No Documented			Element: 14273 Transcatheter Valve Therapy Procedure Type
Documented			Value: TMVR AND

Value: No (or Not Answered)

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





ment: 13736	Central Regurgitation Not Documented	Technical Specification
Coding Instruction	Indicate whether the severity of central regurgitation was not docur	Code: 112000001433
-	, , ,	Name: Code System ACC NCDR
Target Value:	N/A	Short Name: VDInsuffMCentral_ND
		Missing Data: Report
		Harvested: Yes (BDS, TMVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TMVR
		AND
		Element: 13672 Mitral Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13672 Mitral Regurgitation
		Operator: Equal
		Value: Moderate Element: 13672 Mitral Regurgitation
		Element: 13672 Mitral Regurgitation Operator: Equal
		Value: Severe
		Element: 13672 Mitral Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		Element: 13672 Mitral Regurgitation
		Operator: Equal
		Value: Moderate-Severe





Element: 13737	Effective Regurgitant Orifice Area	Technical Specification
Coding Instruction:	Indicate the effective regurgitant orifice area (EROA), in cm2.	Code: 112000001437
Target Value:	The highest value between 12 months prior to the procedure and start of the procedure	Code System Name: ACC NCDR
ranget value.		Short Name: VDMitEOA
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: PQ
		Precision: 2,1
		Selection Type: Single
		Unit of Measure: cm2
		Default Value: Null
		Usual Range: 0.1 - 5.0 cm2
		Valid Range: 0.1 - 5.0 cm2
		Data Source: User
		Parent/Child Validation
		Element: 13704 Mitral Valve Disease
		Operator: Equal
		Value: Yes
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr
		Taskaisel Operidisation
Element: 13738	Effective Regurgitant Orifice Area Method of Assessment	Technical Specification Code: 112000001437
Coding Instruction:	Indicate the method used to assess the effective regurgitant orifice area. If multiple methods are available, code the 3D planimetry method first, then PISA.	
Tarnet Value:	Any occurrence between 12 months prior to the procedure and start of the procedure	Short Name: VDMitEOA_MoA
raiget value.		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 13737 Effective Regurgitant Orifice

Element: 13737 Effective Regurgitant Orifice Area Operator:

Value: Any Value

Effective Regurgitant Orifice Area Method of Assessment - 1.3.6.1.4.1.19376.1.4.1.6.5.547

Selection	Definition	Source	Code	Code System Name
3D Planimetry			112000001438	ACC NCDR
Proximal Isovelocity Surface Area			112000001439	ACC NCDR
Quantitative Doppler			112000001440	ACC NCDR
Other			100000351	ACC NCDR





Element: 13308	Mitral Stenosis	Technical Specification
Coding Instruction:	Indicate whether mitral stenosis is present.	Code: 79619009
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Code System Name: SNOMED CT
i al get i al ac		Short Name: VDStenM
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13704 Mitral Valve Disease
		Operator: Equal Value: Yes
Element: 13316	Mitral Valve Area	Technical Specification
Coding Instruction:		
obuling motifaction.	Indicate the smallest mitral value area in centimeters squared	Code: 251012002
	Indicate the smallest mitral valve area in centimeters squared.	Code: 251012002
Target Value:	Indicate the smallest mitral valve area in centimeters squared. The lowest value between 12 months prior to start of procedure and start of procedure	Code: 251012002 Code System Name: SNOMED CT
Target Value: Supporting Definition:	The lowest value between 12 months prior to start of procedure and start of procedure	Code: 251012002 Code System Name: SNOMED CT Short Name: VDMVA
-	The lowest value between 12 months prior to start of procedure and start of procedure	Code: 251012002 Code System Name: SNOMED CT Short Name: VDMVA Missing Data: Report
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area	Code: 251012002 Code System Name: SNOMED CT Short Name: VDMVA
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System Name: SNOMED CT Short Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR,
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System Name: Short Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System Name: Short Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup No
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System Name: Short Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup No
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: PQ Precision: 4,2
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: PQ Precision: 4,2 Selection Type:
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: PQ Precision: 4,2 Selection Type: Single Unit of Measure:
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: PQ Precision: 4,2 Selection Type: Single Unit of Measure: Unit of Measure: cm2 Default Value: Null Usual Range: 3.00 - 6.00 cm2 Valid Range: 0.05 - 12.00 cm2
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Precision: 4,2 Selection Type: Single Unit of Measure: cm2 Default Value: Null Usual Range: 3.00 - 6.00 cm2
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Pata Type: PQ Precision: 4,2 Selection Type: Single Unit of Measure: cm2 Default Value: Null Usual Range: 3.00 - 6.00 cm2 Valid Range: 0.05 - 12.00 cm2
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: SNOMED CT Short Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: PQ Precision: 4,2 Selection Type: Single Unit of Measure: Unit of Measure: cm2 Default Value: Null Usual Range: 3.00 - 6.00 cm2 Valid Range: 0.05 - 12.00 cm2 Data Source: User Parent/Child Validation Element: 13704
-	The lowest value between 12 months prior to start of procedure and start of procedure Mitral Valve Area Measurement of mitral valve area.	Code: 251012002 Code System SNOMED CT Name: VDMVA Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Data Type: PQ Precision: 4,2 Selection Type: Single Unit of Measure: cm2 Default Value: Null Usual Range: 3.00 - 6.00 cm2 Valid Range: 0.05 - 12.00 cm2 Data Source: User





Section: Mitral Valve Disease

Parent: Pre-Procedure Echocardiogram Findings

Element: 13317	Mitral Valve Mean Gradient	Technical Specification
Coding Instruction:	Indicate the highest mean gradient (in mm Hg) across the mitral valve.	Code: 112000001191 Code System Name: ACC NCDR
Target Value:	The highest value between 12 months prior to the procedure and start of the procedure	Name: ACCINCDR Short Name: VDGradM
Supporting Definition:	Mitral Valve Mean Gradient	Missing Data: Report
	The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis:	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
	EAE/ASE	Is Identifier: No
	recommendations for clinical practice.	Is Base Element: Yes
		ls Followup Element:
		Data Type: PQ Precision: 3.0
		Selection Type: Single
		Unit of Measure: mm[Hg] Default Value: Null
		Usual Range: 5 - 50 mm[Hg]
		Valid Range: 0 - 150 mm[Hg] Data Source: User
		Parent/Child Validation
		Element: 13704 Mitral Valve Disease Operator: Equal
		Value: Yes





Section: Mitral Valve Disease Etiology

Parent: Pre-Procedure Echocardiogram Findings

lement: 13490	Mitral Valve Disease Etiology	Technical Specification
Coding Instruction	Indicate the etiology of mitral valve disease.	Code: 11851006
-		Code System Name: SNOMED CT
Target Value:	Any occurrence between 12 months prior to the procedure and start of the procedure	Short Name: MVDEtio
Supporting Definition:	Mitral Valve Disease	Missing Data: Report
	A disorder characterized by a defect in mitral valve function or structure.	Harvested: Yes (BDS, TAVR, TMVR,
	Source: NCI Thesaurus	TMVrpr)
Vendor Instruction:	When Mitral Valve Disease Etiology (13490) is Equal to (None) then Transcatheter Valve	Is Identifier: No
venuor instruction.	Therapy Procedure Type (14273) must be not Equal to (TMVR,TMVr)	Is Base Element: Yes
		Is Followup No
	Cannot select option None with any other option: Functional MR (Secondary), Degenerative MR	Element: ^{NO} Data Type: CD
	(Primary), Post Inflammatory, Endocarditis or Other	Precision:
		Selection Type: Multiple
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TMVR
	- 1.3.6.1.4.1.19376.1.4.1.6.5.548	

Selection	Definition	Source	Code	Code System Name
Functional MR (Secondary)	Typically the valve structures (i.e., leaflets and chord tendinae) are normal in functional mitral regurgitation, but a variety of diseases (such as a prior myocardial infarction or cardiomyopathy) compromises the leaflets ability to coapt (i.e. form a tight seal when closed) and results in mitral regurgitation.		112000001276	ACC NCDR
Degenerative MR (Primary)	Degenerative mitral valve disease is due to multiple conditions that lead to abnormal leaflets and/or chordae that result and mitral regurgitation. The leaflets may prolapse or flail into the left atrium.		112000001277	ACC NCDR
Post Inflammatory			112000001441	ACC NCDR
Endocarditis	Endocarditis		56819008	SNOMED CT
Other	ther		100000351	ACC NCDR
None			100001231	ACC NCDR





Element: 13740	Functional Mitral Valve Regurgitation Type	Technical Specification
Coding Instruction:	Indicate the type of functional mitral regurgitation.	Code: 112000001276
-	Any occurrence between 12 months prior to the procedure and start of the procedure	Code System Name: ACC NCDR
-		Short Name: FMRType
Supporting Definition:	Functional Mitral Valve Regurgitation	Missing Data: Report
	Typically the valve structures (i.e., leaflets and chord tendinae) are normal in functional mitral regurgitation, but a variety of diseases (such as a prior myocardial infarction or cardiomyopathy) compromises the leaflets ability to coapt (i.e. form a tight seal when closed)	Is Identifier: No Is Base Element: Yes
	and results in mitral regurgitation. Source:	Is Followup Element:
		Data Type: CD Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 13490 Mitral Valve Disease Etiology
		Operator: Equal
		Value: Functional MR (Secondary)
		AND
		Element: 13741 Functional Mitral Valve Regurgitation Type Not Documented
		Operator: Equal Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal Value: TMVR

Selection	Definition	Source	Code	Code System Name
schemic Acute, Post Infarction The patient has a new onset of mitral regurgitation that occurs within weeks of having of having a myocardial infarction.			112000001442	ACC NCDR
Ischemic Chronic			112000001443	ACC NCDR
Non-Ischemic Dilated Cardiomyopathy			195021004	SNOMED CT
Restrictive Cardiomyopathy			415295002	SNOMED CT
Hypertrophic Cardiomyopathy			233873004	SNOMED CT
lormal Left Ventricular Systolic Function			112000001444	ACC NCDR





Section: Mitral Valve Dis	sease Etiology Parent: Pre-Procedure Ech	nocardiogram Findings
Element: 13741	Functional Mitral Valve Regurgitation Type Not Documented	Technical Specification
Coding Instruction:	Indicate whether the type of functional mitral regurgitation was not documented.	Code: 112000001276
-		Code System Name: ACC NCDR
Target Value:	N/A	Short Name: FMRType_ND
Supporting Definition:	Functional Mitral Valve Regurgitation	Missing Data: Report
	Typically the valve structures (i.e., leaflets and chord tendinae) are normal in functional mitral	Harvested: Yes (TMVR, TMVrpr)
	regurgitation, but a variety of diseases (such as a prior myocardial infarction or cardiomyopathy) compromises the leaflets ability to coapt (i.e. form a tight seal when closed)	Is Identifier: No
	and results in mitral regurgitation.	Is Base Element: Yes
	Source:	Is Followup
		Element: NO
		Data Type: BL Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13490 Mitral Valve Disease Etiology
		Operator: Equal
		Value: Functional MR (Secondary)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR





Section: Mitral Valve Dis	Sease Etiology Par	ent: Pre-Procedure Echocardiogram Findings
Element: 13742	Leaflet Prolapse	Technical Specification
Coding Instruction:	Indicate if there was leaflet prolapse.	Code: 112000001445
-		start of the procedure Name:
l'arget Value:	Any occurrence between 12 months prior to the procedure and	start of the procedure Short Name: MVDLeafPro
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element: NO
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 13490 Mitral Valve Disease Etiolog
		Operator: Equal
		Value: Degenerative MR (Primary)
		Element: 13745 Leaflet Prolapse Not Docum
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Thera Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Thera Procedure Type
		Operator: Equal
		Value: TMVR

Selection	Definition	Source	Code	Code System Name
None			100001231	ACC NCDR
Anterior Leaflet			112000001449	ACC NCDR
Posterior Leaflet			112000001450	ACC NCDR
Bileaflet			112000001446	ACC NCDR





Section: Mitral Valve Disease Etiology		Parent: Pre-Procedure Echocardiogram Findings	
Element: 13745	Leaflet Prolapse Not Documented	Technical Specification	
Coding Instruction:	Indicate if leaflet prolapse was not documented.	Code: 112000001445	
Target Value:		Code System Name: ACC NCDR	
ranget value.		Short Name: MVDLeafPro_ND	
		Missing Data: Report	
		Harvested: Yes (TMVR, TMVrpr)	
		Is Identifier: No	
		Is Base Element: Yes	
		ls Followup Element: ^{No}	
		Data Type: BL	
		Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Validation	
		Element: 13490 Mitral Valve Disease Etiology	
		Operator: Equal	
		Value: Degenerative MR (Primary)	
		AND	
		Element: 14273 Transcatheter Valve Therapy Procedure Type	
		Operator: Equal	
		Value: TMVr	
		Element: 14273 Transcatheter Valve Therapy Procedure Type	
		Operator: Equal	
		Value: TMVR	





		Technical Specifics
Element: 13743	Leaflet Flail	Technical Specification Code: 112000001447
Coding Instruction:	Indicate if there was leaflet flail.	Code System
Target Value:	Any occurrence between 12 months prior to the procedure and start of the procedure	Code System Name: ACC NCDR
runget value.		Short Name: MVDLeafFlail
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element.
		Data Type: CD
		Precision: Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13490 Mitral Valve Disease Etiology
		Operator: Equal
		Value: Degenerative MR (Primary)
		AND
		Element: 13746 Leaflet Flail Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR

Selection	Definition	Source	Code	Code System Name
None			100001231	ACC NCDR
Anterior Leaflet			112000001449	ACC NCDR
Posterior Leaflet			112000001450	ACC NCDR
Bileaflet			112000001446	ACC NCDR





ection: Mitral Valve Dis	sease Etiology	Parent: Pre-Procedure Echocardiogram Findings
ement: 13746	Leaflet Flail Not Documented	Technical Specification
Coding Instruction	Indicate if leaflet flail was not documented.	Code: 112000001447
-		Code System Name: ACC NCDR
Target Value:	N/A	Name: Short Name: MVDLeafFlail ND
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13490 Mitral Valve Disease Etiology
		Operator: Equal
		Value: Degenerative MR (Primary)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR





Element: 13748	Inflammatory Mitral Valve Disease Type	Technical Specification
		Code: 112000001451
-	Indicate type of inflammatory mitral valve disease. Any occurrence between 12 months prior to the procedure and start of the	Code System ACC NCDR
laiget value.	Any occurrence between 12 months phot to the procedure and start of the	Short Name: InflamType
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13490 Mitral Valve Disease Etiology
		Operator: Equal
		Value: Post Inflammatory
		AND
		Element: 13753 Inflammatory Mitral Valve Diseas Type Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR

Selection	Definition	Source	Code	Code System Name
Collagen Vascular Di	isease		398049005	SNOMED CT
Drug Induced			112000001454	ACC NCDR
Idiopathic			112000001453	ACC NCDR
Prior Radiation Thera	ру		112000001455	ACC NCDR
Rheumatic Fever			58718002	SNOMED CT





Section: Mitral Valve Di	sease Etiology	Parent: Pre-Procedure Echo	ocardiogram Findings
Element: 13753	Inflammatory Mitral Valve Disease Type Not Docu	imented	Technical Specification
Coding Instruction:	Indicate if the type of inflammatory mitral valve disease was	a not documonted	Code: 112000001451
Target Value:		s not documented.	Code System Name: ACC NCDR
J			Short Name: InflamType_ND
			Missing Data: Report
			Harvested: Yes (TMVR, TMVrpr)
			Is Identifier: No
			Is Base Element: Yes
			Is Followup Element: No
			Data Type: BL
			Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 13490 Mitral Valve Disease Etiology
			Operator: Equal
			Value: Post Inflammatory
			AND
			Element: 14273 Transcatheter Valve Therapy Procedure Type
			Operator: Equal
			Value: TMVr
			Element: 14273 Transcatheter Valve Therapy Procedure Type
			Operator: Equal
			Value: TMVR





Element: 13744	Leaflet Tethering	Techni	cal Specification
Coding Instruction:	Indicate if there was leaflet tethering.		112000001448
-	Any occurrence between 12 months prior to the procedure and sta	Int of the procedure Code System	ACC NCDR
J	,	Short Name	: MVDLeafTeth
		Missing Data	
			: Yes (BDS, TMVR, TMVrpr)
		Is Identifier	
		Is Base Element	
		Is Followup Element	No
		Data Type	: CD
		Precision	:
		Selection Type	•
		Unit of Measure	
		Default Value	
		Usual Range	
		Valid Range Data Source	
			Child Validation
		Element: 14273 Procedure	Transcatheter Valve Therapy e Type
		Operator: Equal	
		Value: TMVR	
		Element: 14273 Procedure	Transcatheter Valve Therapy e Type
		Operator: Equal	
		Value: TMVr	
			AND
		Element: 13747 Operator: Equal	Leaflet Tethering Not Document
		Value: No (or No	ot Answered)

Selection	Definition	Source	Code	Code System Name
None			100001231	ACC NCDR
Anterior Leaflet			112000001449	ACC NCDR
Posterior Leaflet			112000001450	ACC NCDR
Bileaflet			112000001446	ACC NCDR





lement: 13747	Leaflet Tethering Not Documented			al Specification
Coding Instruction:	Indicate if leaflet tethering was not documented.		Code System Name:	11200001446
Target Value:	N/A		Name:	ACC NCDR
J			Short Name:	MVDLeafTeth_ND
			Missing Data:	
				Yes (BDS, TMVR, TMVrpr)
			Is Identifier:	
			Is Base Element:	
			Is Followup Element:	No
			Data Type:	
			Precision:	
			Selection Type:	Single
			Unit of Measure:	
			Default Value:	Null
			Usual Range:	
			Valid Range: Data Source:	Lloor
				Child Validation
		E	lement: 14273 T Procedure	Transcatheter Valve Therapy
			procedure perator: Equal	i ypo
		0	Value: TMVr	
		E		Franscatheter Valve Therapy
			Procedure	Туре
		Op	perator: Equal	
			Value: TMVR	
lement: 13749	Mitral Valve Annular Calcification		Technic	al Specification
Coding Instruction:	Indicate if there was mitral annular calcification.			251002009
-	Any occurrence between 12 months prior to arrival and	start of the first procedure	Code System Name:	SNOMED CT
			Short Name:	
			Missing Data:	Report
				Yes (BDS, TMVR, TMVrpr)
			Is Identifier:	No
			Is Identifier: Is Base Element:	No Yes
			Is Identifier:	No Yes
			Is Identifier: Is Base Element: Is Followup	No Yes No
			Is Identifier: Is Base Element: Is Followup Element:	No Yes No
			Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	No Yes No CD
			Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	No Yes No CD Single
			Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	No Yes No CD Single
			Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	No Yes No CD Single
			Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	No Yes No CD Single Null
			Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source:	No Yes No CD Single Null
			Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Idement: 14273	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy
		E	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/C Iement: 14273 Procedure	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy
		E	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/d Iement: 14273 Procedure Derator: Equal	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy
		El Op	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Valid Range: Data Source: Parent/Clement: 14273 Procedure Derator: Equal Value: TMVr Iement: 14273	No Yes No CD Single Null User Child Validation Franscatheter Valve Therapy Type
		EI Op EI	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Valid Range: Data Source: Parent/O lement: 14273 Procedure Derator: Equal Value: TMVr Iement: 14273 Procedure	No Yes No CD Single Null User Child Validation Franscatheter Valve Therapy Type
		EI Op EI	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Valid Range: Data Source: Parent/(Idement: 14273 Procedure Derator: Equal	No Yes No CD Single Null User Child Validation Franscatheter Valve Therapy Type
		EI OF OF	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Valid Range: Data Source: Parent/(Idement: 14273 Value: TMVr Idement: 14273 Procedure Derator: Equal Value: TMVR	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy Type
		EI Op 	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Valid Range: Data Source: Parent/(Idement: 14273 Procedure Derator: Equal Value: TMVr Idement: 14273 Procedure Derator: Equal Value: TMVR	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy Type Transcatheter Valve Therapy Type
		EI Op 	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/(Idement: 14273 Value: TMVr Idement: 14273 Procedure Derator: Equal Value: TMVr Idement: 14273 Procedure Derator: Equal Value: TMVR	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy Type Franscatheter Valve Therapy Type
		EI Op E1 Op E1	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Valid Range: Data Source: Parent/(Idement: 14273 Procedure Derator: Equal Value: TMVr Idement: 14273 Procedure Derator: Equal Value: TMVR	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy Type Franscatheter Valve Therapy Type
		EI Op E1 Op E1	Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/(Idement: 14273 Value: TMVr Idement: 14273 Procedure Derator: Equal Value: TMVr Idement: 14273 Procedure Derator: Equal Value: TMVR	No Yes No CD Single Null User Child Validation Transcatheter Valve Therapy Type Transcatheter Valve Therapy Type AND

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR





Element: 13750	Mitral Valve Annular Calcification Not Documented	Technical Specification Code: 251002009
Coding Instruction:	Indicate if mitral annular calcification was not documented.	
Target Value:	N/A	Code System Name: SNOMED CT
		Short Name: MVCalcND
		Missing Data: Report
		Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal Value: TMVR
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TMVr
Element: 13751	Mitral Leaflet Calcification	Technical Specification
Coding Instruction:	Indicate if there was mitral leaflet calcification.	Code: 112000001452
-	Any occurrence between 12 months prior to the procedure a	ACC NCDR
Target Value.	The second s	Short Name: MLeafCalc
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes Is Followup
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR
		AND
		Element: 13752 Mitral Leaflet Calcification Not
		Operator: Equal
oolean w/Unknown - 1.3.6.1.4		Value: No (or Not Answered)

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR





Section: Mitral Valve Dis	sease Etiology	Parent: Pre-Procedure Echocardiogram Findings
lement: 13752	Mitral Leaflet Calcification Not Documented	Technical Specification
Coding Instruction:	Indicate if mitral calcification was not documented.	Code: 112000001452
Target Value:		Code System Name: ACC NCDR
		Short Name: MLeafCalc_ND
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve The Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve The Procedure Type
		Operator: Equal
		Value: TMVr





	e Disease Etiology Parent: Pre-Procedure Ech	locardlogram	Findings	
Element: 13806	Tricuspid Valve Disease Etiology	Тес	chnical Sp	ecification
Coding Instruction	Indicate the etiology of tricuspid valve disease.	C	Code: 46030	003
-		Code Sy	stem Iame: SNOM	ED CT
-	: Any occurrence between 12 months prior to the procedure and start of the procedure		lame: TVDisE	
Supporting Definition			Data: Report	
	A three-cusp valve of the heart that regulates the flow of blood between the right atrium and	Harve	sted: Yes (T	TVP)
	the right ventricle of the heart		tifier: No	
	Source:	Is Base Eler Is Folle		
			ment: No	
		Data	Type: CD	
		Preci		
			Type: Single	
		Unit of Mea	sure: /alue: Null	
		Usual R		
		Valid Ra	-	
		Data So	ource: User	
		Pa	rent/Child	Validation
				atheter Valve Therapy
			cedure Type	
		Operator: Equa	aı uspid Valve P	rocoduro
			aopia rairo i	loodallo
-	ogy - 1.3.6.1.4.1.19376.1.4.1.6.5.563		Code	Code System Na
Selection	ogg - 1.3.6.1.4.1.19376.1.4.1.6.5.563 Definition Source Valve structures are abnormal and the abnormalities	112	Code	Code System Na
Selection Primary	Definition Source	112		
Selection Primary Secondary	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g.			
Selection Primary Secondary	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise		2000001509	ACC NO
Selection Primary Secondary	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g.	112	2000001509 2000001510	ACC NO
Selection Primary Secondary Pacemaker Induced	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise	112	2000001509 2000001510 2000001511	
Selection Primary Secondary Pacemaker Induced	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise	112	2000001509 2000001510	ACC N
Selection Primary Secondary	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise	112 112 Tec	2000001509 2000001510 2000001511 100000351 chnical Sp	ACC N ACC N ACC N ACC N ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function	112 112 Tec	2000001509 2000001510 2000001511 100000351 Chnical Sp Code: 11128	ACC N ACC N ACC N ACC N ACC N Ecification
Selection Primary Secondary Pacemaker Induced Other Element: 13318	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation	112 112 Tec	2000001509 2000001510 2000001511 100000351 chnical Sp	ACC N ACC N ACC N ACC N ACC N Ecification
Selection Primary Secondary Pacemaker Induced Other Element: 13318	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance).	112 112 Tec Code Sy N	2000001509 2000001510 2000001511 100000351 Chnical Sp Code: 11128	ACC N ACC N ACC N ACC N ACC N ACC N ACC N ACC N ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tec Code Sy N Short N Missing	2000001509 2000001510 2000001511 100000351 Code: 11128 stem lame: SNOMI lame: Prepro Data: Report	ACC N ACC N ACC N ACC N ACC N ACC N ACC N CO C T C T C T R
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance).	112 112 Tec Code Sy N Short N Missing	2000001509 2000001510 2000001511 100000351 chnical Sp Code: 11128 stem lame: SNOMI lame: Prepro Data: Report sted: Yes (B	ACC N ACC N ACC N ACC N ACC N ACC N ACC N Ecification 7006 ED CT cTR
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tec Code Sy N Short N Missing Harve Is Ident	2000001509 2000001510 2000001511 100000351 chnical Sp Code: 11128' stem stem stem lame: Prepro Data: Report sted: Yes (B TMVrp tifier: No	ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tec Code Sy N Short N Missing Harve Is Ident Is Base Eler	2000001509 2000001510 2000001511 100000351 chnical Sp Code: 11128 stem lame: SNOMI lame: Prepro Data: Report sted: Yes (B TMVrp tifier: No ment: Yes	ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tec Code Sy N Short N Missing Harve Is Ident Is Base Eler	2000001509 2000001510 2000001511 100000351 chnical Sp Code: 11128 stem lame: SNOMI lame: Prepro Data: Report sted: Yes (B TMVrp tifier: No ment: Yes	ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tee Code Sy N Short N Missing Harve Is Ident Is Base Eler Is Follo Eler	2000001509 2000001510 2000001511 100000351 chnical Sp Code: 11128' stem stem stem lame: Prepro Data: Report sted: Yes (B TMVrp tifier: No	ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tee Code Sy N Short N Missing Harve Is Ident Is Base Eler Is Follo Eler Data	2000001509 2000001510 2000001511 2000001511 100000351 20000351 20000351 20000351 20000351 20000351 20000351 2000001500 2000001509 2000001509 2000001509 2000001509 2000001510 2000001510 2000001510 2000001510 2000001510 2000001510 2000001510 2000001510 2000001510 2000001510 2000001510 2000001511 2000001511 2000001511 2000001511 2000001511 2000001511 2000001511 2000001511 2000001511 2000001511 2000001511 20000001511 2000001511 2000001511 2000001511 2000001511 2000001511 2000001511 2000001511 2000000151 2000000151 2000000151 20000000000	ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tea Code Sy N Short N Missing Harve Is Ident Is Base Eler Is Foll Eler Data Preci	2000001509 2000001510 2000001511 2000001511 100000351 Code: 11128 Stem Iame: SNOMI Iame: Prepro Data: Report isted: Yes (B TMVrp tifier: No ment: Yes owup nent: Yes Type: CD	ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tec Code Sy N Short N Missing Harve Is Ident Is Base Eler Is Folk Eler Data Selection Unit of Mea	2000001509 2000001510 2000001511 100000351 Code: 11128 stem Jame: SNOMI Jame: Prepro Data: Report isted: Yes (B TMVrp tifier: No ment: Yes owup ment: Yes owup No Type: CD ision: Type: Single sure:	ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 112 Tec Code Sy N Short N Missing Harve Is Ident Is Base Eler Is Fold Eler Data Vereci Selection Unit of Mea Default V	2000001509 2000001510 2000001511 100000351 Code: 11128 Stem Jame: SNOMI Jame: Prepro Data: Report Sted: Yes (B TMVrp tifier: No ment: Yes owup No Type: CD ision: Type: Single sure: Yalue: Null	ACC N ACC N
Selection Primary Secondary Pacemaker Induced Other Element: 13318 Coding Instruction	Definition Source Valve structures are abnormal and the abnormalities cause the valve disease. Valve structures are normal but other conditions (e.g. myocardial infarction or cardiomyopathy) compromise the valve's ability to function normally. Tricuspid Valve Regurgitation Indicate whether there is evidence of tricuspid valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance). If there was no documentation of tricuspid valve disease, code none. Indicate disease, code none.	112 112 Tec Code Sy N Short N Missing Harve Is Ident Is Base Eler Is Folk Eler Data Selection Unit of Mea	2000001509 2000001510 2000001511 100000351 200000351 200000351 200000351 20000351 20000351 20000351 20000351 20000351 20000351 20000351 20000351 200000 200000 200000 20000 200000 200000 2000000	ACC N ACC N

Valve Regurgitation Severity - 1.3.6.1.4.1.19376.1.4.1.6.5.767

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Trace/Trivial			112000001911	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Element: 13810 Tricuspid Valve Diastolic Gradient Not Documented Technical Specification Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Code: 112000001512 Target Value: N/A N/A Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes 15 Followup Is Followup Element: Name: Ves Selection Type: Single Unit of Masure: Value: Nul Usual Range: Data Source: Usual Range: Value: Nul Usual Range: Value: Nul Usual Range: Valua: Nul Sual Range: Value: Nul	Element: 13807	Tricuspid Valve Diastolic Gradient	Technical Specification
Target Value: The highest value between 12 months prior to the procedure and start of the procedure Short Name: TVDGrad Missing Data: Report Harvestet: Yes (TTVP) Is dentifier: No Is Base Element: Yes Terestion: 20 Selection Type: Single Unit of Measure: millife) Unit of Measure: No Selection Type: Selection Type: Single Unit of Measure: millife) Using Rame: 1-50 mm[Hg] Default Value: No Using Rame: 1-50 mm[Hg] Default Value: No Using Rame: 1-50 mm[Hg] Data Source: User Parent/Child Value No converting Parent/Child Value Value: No (r No Answered) No converting Value: No (r No Answered) Coding Instruction: Target Value: NA Short Name: TVDGradND Short Name: VDGradND Name: Value: No (r No Answered) No Value: No (r No Answered) No Value: No Short Name: No Short Name: VDGradND No No Short Name: No <td< td=""><td>Coding Instruction:</td><td></td><td></td></td<>	Coding Instruction:		
Image: State Stat	Target Value:	The highest value between 12 months prior to the procedure and start of the procedure	Short Name: TVDGrad
Is Base Element: Yes Is Colowy (No Element: No Data Type: PO Precision: 2.0 Selection Type: Single Unit of Measure: mmHg) Data Surve: User Parent/Child Value India Value: Tracogid Valve Diastolic Gradient Not Documented Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A Tricuspid Valve Diastolic Gradient Not Documented Code in 12000001512 Codes 112000001512 Codes 112000001512 Codes 112000001512 Codes 1120000001512 Codes 112000001512 Codes 11200000000000 Selection Type: Selection Typ			Harvested: Yes (TTVP)
Image: Section Type: Section Type: Single Unit of Measure: mm[Hg] Default Value: Null Use: Section Type: Single Unit of Measure: mm[Hg] Default Value: Null Use: Section Type: Single Unit of Measure: mm[Hg] Default Value: Null Use: Tricuspid Valve Diastolic Cradient Not Documented Operator: Equal Value: Tricuspid Valve Diastolic Cradient Not Documented Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A			
Itement: 13810 Tricuspid Valve Diastolic Gradient Not Documented Target Value: NA Target Va			Is Followup
Image: 1-3 might Unit of Measure: mm[Hg] Default Value: Null Usual Range: 1-3 mm[Hg] Usual Range: 1-3 mm[Hg] Default Value: Null Usual Range: 1-3 mm[Hg] Data Source: User Parent/Child Validation Element: 1373 Element: 13810 Tricuspid Valve Diastolic Gradient Not Documented Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: NA Yalue: NA Short Name: COCoR Yalue: NA Short Name: COCR Yalue: NA			Data Type: PQ
ement: 13810 Tricuspid Valve Diastolic Gradient Not Documented Target Value: NA Target Value: NA			
ement: 13810 Tricuspid Valve Diastolic Gradient Not Documented Technical Specification Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Code System ACC NDR Name: TVDGradNoL Target Value: N/A Short Name: TVDGradNoL Short Name: TVDGradNoL Barentic Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Code System ACC NDR Name: TVDGradNoL Target Value: N/A Short Name: TVDGradNoL Short Name: TVDGradNoL Barentic Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Code System ACC NDR Name: TVDGradNoL Target Value: N/A Short Name: TVDGradNoL Barentic TVDP, Is Iddentifier: NoL Barentic Valve Tices in Valve Tice			
Image: 1-15 mm[Hg] Valid Range: 1-50 mm[Hg] Data Source: User Parent/Child Validation Element: 14273 Tricuspid Valve Diastolic Gradient Not Documented Operator: Equal Value: No (or Not Answered) Value: No (or Not Answered) Image: 1-100000000000000000000000000000000000			
Valid Range: 1 - 50 mn[Hig] Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T Procedure Type Operator: Equal Value: Tricuspid Valve Disatolic Gradient Not Documented Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A Target Value: N/A Element: 1980 Torcuspid valve diastolic gradient was not documented. Code: 11200001512 Code: 12000001512 Code: Short Name: Turget Value: N/A Short Name: TVDGradND Missing Data: Report Harvestet: Yes Is Followup No Base Element: Yes Selection Type: BL Precision: Selection Type: Selection Type: Single			
Data Source: User Parent/Child Validation Element: 14273 Procedure Type Operator: Equal Value: Tricuspid Valve Diastolic Gradient Not Documented Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A			
Itement: 13810 Tricuspid Valve Diastolic Gradient Not Documented Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A Target Value: N/A			
Element: 14273 Transcatheter Valve T Procedure Type Value: Tricuspid Valve Diastolic Gradient Not Documented Operator: Equal Value: No (or Not Answered) Immediate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A Tricuspid Valve Diastolic Gradient was not documented. Code: 11200001512 Code: System ACC NCDR Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is dentifier: No Is asset Element: Yes Is Base Element: Yes Is Base Element: Yes Is Gollowup No Mide ange: Value: Nu			
Operator: Equal Value: Tricuspid Valve Procedure Value: Tricuspid Valve Diastolic Gradient Not Documented Element: 13810 Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A VA Code: 112000001512 Code System ACC NCDR Nome: Nome: Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Pollowup No Unit of Measure: Default: Data Type: BL Precision: Selection Type: Single Unit of Measure: Data Source: User Data Source: User Data Source: User Data Source: User			Element: 14273 Transcatheter Valve Therapy
Value: Tricuspid Valve Procedure AND Element: 13810 Tricuspid Valve Diastolic Gradient Not Documented Operator: Equal Value: No (or Not Answered) Immediate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Pollowup Element: No Is Base Element: Yes Is Pollowup No Base Element: Yes Is Pollowup Value: Null Usual Range: Data Source: User			
Image: Provide and Provided And Provide			
Not Documented Operator: Equal Value: No (or Not Answered) rement: 13810 Tricuspid Valve Diastolic Gradient Not Documented Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: Technical Specification Code: 11200001512 Yalue: N/A Code System Name: ACC NCDR Name: Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes is Followup Element: Is Base Element: Yes Is Genetifier: No Unit of Measure: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range:			AND
Image:			Element: 13810 Tricuspid Valve Diastolic Grad Not Documented
Iement: 13810 Tricuspid Valve Diastolic Gradient Not Documented Technical Specification Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Code: 11200001512 Target Value: N/A N/A Acc: NCDR Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Is Base Element: Yes Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Calidation Element: 14273 Transcatheter Valve T			
Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A ACC NCDR Name: Code: Short Name: TVDGradND Missing Data: Report Harvested: Yes Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Stalt Range: Valid Range: Valid Range: Valid Range: Data Source: User			value: No (or Not Answered)
Coding Instruction: Indicate if the tricuspid valve diastolic gradient was not documented. Target Value: N/A Code System Name: Code System Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: Yes Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T			
Target Value: N/A Target Value: N/A Couce System ACC NCDR Nee: Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	lement: 13810	Tricuspid Valve Diastolic Gradient Not Documented	-
Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T			Code: 112000001512
Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 112000001512
Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: User Data Source: User	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 11200001512 Code System Name: Short Name: TVDGradND
Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Unit of Measure: Default Value: Null Usual Range: Valid Range: Tarascatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 11200001512 Code System Name: Short Name: TVDGradND Missing Data: Report
Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: User Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 11200001512 Code System Name: Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP)
Liennent: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 11200001512 Code System Name: Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 11200001512 Code System Name: Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 11200001512 Code System Name: Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 11200001512 Code System Name: Short Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code:11200001512Code System Name:ACC NCDRShort Name:TVDGradNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Followup Element:NoData Type:BL
Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code: 11200001512 Code System ACC NCDR Name: TVDGradND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: No Data Type: BL Precision: Single
Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code:11200001512Code System Name:ACC NCDRShort Name:TVDGradNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:BLPrecision:SingleUnit of Measure:Single
Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code:11200001512Code System Name:ACC NCDRShort Name:TVDGradNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:BLPrecision:SingleUnit of Measure:SingleDefault Value:Null
Parent/Child Validation Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code:11200001512Code System Name:ACC NCDRShort Name:TVDGradNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:BLPrecision:SingleUnit of Measure:SingleDefault Value:NullUsual Range:No
Element: 14273 Transcatheter Valve T	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code:11200001512Code System Name:ACC NCDRShort Name:TVDGradNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:BLPrecision:SingleUnit of Measure:SingleDefault Value:NullUsual Range:Valid Range:
	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code:11200001512Code System Name:ACC NCDRShort Name:TVDGradNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:BLPrecision:SingleUnit of Measure:NullDefault Value:NullUsual Range:Valid Range:Data Source:User
	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code:11200001512Code System Name:ACC NCDRShort Name:TVDGradNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:BLPrecision:SingleUnit of Measure:NullDefault Value:NullUsual Range:Valid Range:Data Source:User
Operator: Equal	Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented.	Code:11200001512Code System Name:ACC NCDRShort Name:TVDGradNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:BLPrecision:Selection Type:Selection Type:SingleUnit of Measure:Default Value:NullUsual Range:Valid Range:Data Source:UserParent/Child ValidationElement:14273Transcatheter Valve Therapy





lement: 13808	Tricuspid Valve Annulus Size	Technical Specification
		Code: 112000001513
Coding Instruction:	Indicate the tricuspid valve annulus size in mm. Document the size using end-diastolic, 4 chamber view is preferred (in mm).	Code System Name: ACC NCDR
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: TVAnnulus
	······································	Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Elementi No
		Element: No
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm
		Default Value: Null
		Usual Range: 15 - 60 mm
		Valid Range: 1 - 80 mm
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 13809 Tricuspid Valve Annulus Size Documented
		Operator: Equal
		Value: No (or Not Answered)
	Trissenid Visha Annulus Cine Nat Desumented	
ement: 13809	Tricuspid Valve Annulus Size Not Documented	Technical Specification
	Tricuspid Valve Annulus Size Not Documented Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 112000001513
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 112000001513
	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 112000001513 Code System Name: ACC NCDR
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 112000001513 Code System ACC NCDR Name: ACC NCDR Short Name: TVAnnulusND
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 112000001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 112000001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 112000001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System ACC NCDR Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is Base Element: Yes
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is ldentifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System ACC NCDR Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is ldentifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Element: No Data Type: BL Precision: Value:
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is ldentifier: No Is Followup Element: No Data Type: BL Precision: Selection Type:
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is ldentifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System ACC NCDR Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is ldentifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Vel
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System ACC NCDR Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: Yes Data Type: BL Precision: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range:
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical SpecificationCode:11200001513Code System Name:ACC NCDRShort Name:TVAnnulusNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:BLPrecision:Selection Type:SingleUnit of Measure:Default Value:NullUsual Range: Valid Range:User
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System ACC NCDR Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Element: Yes Is Followup No Element: Selection Type: Befault Value: Null Usual Range: Valid Range: Valid Range: Data Source: User User
Coding Instruction:	Indicate if the tricuspid valve annulus size was not documented.	Technical SpecificationCode:11200001513Code System Name:ACC NCDRShort Name:TVAnnulusNDMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Followup Element:NoData Type:BLPrecision:Selection Type:SingleUnit of Measure:Default Value:NullUsual Range: Valid Range:LerrData Source:User
-	Indicate if the tricuspid valve annulus size was not documented.	Technical Specification Code: 11200001513 Code System ACC NCDR Name: ACC NCDR Short Name: TVAnnulusND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273





lement: 13811	End Diastolic Mid Right Ventricle Diameter	Technical Specification
Coding Instruction:	Indicate the end-diastolic mid-RV diameter, using the 4 chamber view (in cm).	Code: 112000001514
-		Code System ACC NCDR Name:
Target Value:	The last value between 12 months prior to arrival and start of the first procedure	Short Name: MidRVDia
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Element:
		Data Type: PQ
		Precision: 2,1
		Selection Type: Single
		Unit of Measure: cm
		Default Value: Null
		Usual Range: 1.0 - 7.0 cm
		Valid Range: 0.1 - 9.9 cm
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 13812 End Diastolic Mid Right Ventri
		Diameter Not Documented
		Diameter Not Documented Operator: Equal
		Operator: Equal Value: No (or Not Answered)
ement: 13812	End Diastolic Mid Right Ventricle Diameter Not Documented	Operator: Equal Value: No (or Not Answered)
	End Diastolic Mid Right Ventricle Diameter Not Documented	Operator: Equal
	End Diastolic Mid Right Ventricle Diameter Not Documented Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification
	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: Short Name: MidRVDiaND
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes Is Identifier: No Is Followup Element: No
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes Is Identifier: No Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code: System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: No
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System ACC NCDR Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Unit of Measure: Vingle
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001514 Code: System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single Unit of Measure: Default Value: Null Usual Range: Null
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code: System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single Unit of Measure: Default Value: Null Usual Range: Na
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Valid Range: Data Source: Data Source: User Parent/Child Validation Element: 14273
-	Indicate if the end-diastolic mid-RV diameter was not documented.	Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001514 Code System Name: ACC NCDR Short Name: MidRVDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





ement: 13813	End Diastolic Basal Right Ventricle Diameter	Technical Specification
Coding Instruction:	Indicate the end-diastolic basal RV diameter, using the 4 chamber view (in cm).	Code: 112000001515
-	The last value between 12 months prior to arrival and start of the first procedure	Code System Name: ACC NCDR
i al got i al doi		Short Name: BasalDia
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Flomont: No
		Element.
		Data Type: PQ
		Precision: 2,1
		Selection Type: Single
		Unit of Measure: cm
		Default Value: Null
		Usual Range: 1.0 - 7.0 cm
		Valid Range: 0.1 - 9.9 cm
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 13814 End Diastolic Basal Right
		Ventricle Diameter Not Documented
ament: 13814	End Diastolic Basal Right Ventricle Diameter Not Documented	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered)
	End Diastolic Basal Right Ventricle Diameter Not Documented	Ventricle Diameter Not Documented Operator: Equal
	End Diastolic Basal Right Ventricle Diameter Not Documented Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001515
	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001515
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001515 Code System Name: ACC NCDR
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001515 Code System Name: ACC NCDR Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: ACC NCDR Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001515 Code System Name: ACC NCDR Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: ACC NCDR Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: ACC NCDR Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: ACC NCDR Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: ACC NCDR Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
-	Indicate if the basal diastolic mid-RV diameter was not documented.	Ventricle Diameter Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001515 Code System Name: ACC NCDR Short Name: BasalDiaND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





lement: 13319	Dobutamine Challenge Performed	Technical Specification
Coding Instruction:	Indicate if a dobutamine challenge was performed.	Code: 703338002 Code System Name: SNOMED CT
	A dobutamine challenge is a type of stress echocardiography that can distinguish between	Name: SNOMED CT Short Name: DobutChal
Towned Malues	true-severe versus pseudo-severe aortic stenosis.	Missing Data: Report
-	Any occurrence between 12 months prior to arrival and start of the first procedure	Harvested: Yes (TAVR) Is Identifier: No
Supporting Definition:	Dobutamine Stress Echocardiography A pharmacologic stress echocardiography technique to detect coronary artery disease and	Is Base Element: Yes
	myocardial ischemia.	Is Followup Element: No
	Source:	Data Type: BL Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation Element: 14273 Transcatheter Valve Therap
		Procedure Type
		r locodule rype
		Operator: Equal
ement: 13320	Flow Reserve Present	Operator: Equal
	Flow Reserve Present Indicate if coronary flow reserve was documented on the dobutamine challenge.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System
		Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: ACC NCDR Short Name: FlowRes
Coding Instruction:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: Short Name: FlowRes Missing Data: Report
Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System ACC NCDR Name: ACC NCDR Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System ACC NCDR Name: ACC NCDR Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: TAVR Technical Specification Code: 11200001193 Code System ACC NCDR Name: ACC NCDR Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: ACC NCDR Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: ACC NCDR Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: ACC NCDR Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: ACC NCDR Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System ACC NCDR Name: ACC NCDR Short Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
Coding Instruction: Target Value:	Indicate if coronary flow reserve was documented on the dobutamine challenge. Flow reserve on dobutamine echocardiogram is indicated by an increase in the stroke volume index by ≥20%. Any occurrence between 12 months prior to arrival and start of the first procedure Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: TAVR Technical Specification Code: 112000001193 Code System Name: ACC NCDR Name: FlowRes Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User

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Element: 13321	Aortic Stenosis Type	Technical Specification
Coding Instruction:	Indicate the type of aortic stenosis documented on dobutamine challenge. Physicians may use different criteria to differentiate, characterize and document truly severe aortic or pseudo-severe aortic stenosis.	Code: 112000002013 Code System Name: ACC NCDR Short Name: ASType
	The 2017 AUC for Severe Aortic Stenosis guideline differentiates "truly severe aortic stenosis" with an AVA <=1.0 cm2 and Vmax >4 m/sec at any flow rate.	Missing Data: Report Harvested: Yes (TAVR)
Target Value:	Any occurrence between 12 months prior to arrival and start of the first procedure	Is Identifier: No Is Base Element: Yes
Supporting Definition:	Dobutamine Stress Echocardiography Findings	Is Followup
	The results or findings of dobutamine stress echocardiogram. Source:	Element: Data Type: CD Precision:
		Selection Type: Single Unit of Measure: Default Value: Null
		Usual Range: Valid Range: Data Source: User
		Parent/Child Validation
		Element: 13319 Dobutamine Challenge Performe Operator: Equal Value: Yes
		AND Element: 13325 Aortic Stenosis Type Not Documented
		Operator: Equal Value: No (or Not Answered)
Nortic Stenosis Type - 1.3.6.1.	4.1.19376.1.4.1.6.5.462 Definition Source	Operator: Equal Value: No (or Not Answered)
Selection E ruly Severe Aortic Stenosis		Operator: Equal Value: No (or Not Answered) Code Code System Name 112000001194 ACC NCI
Selection [Operator: Equal Value: No (or Not Answered) <u>Code</u> Code System Nar 112000001194 ACC NC
Selection E Fruly Severe Aortic Stenosis Pseudo-Severe Aortic Stenosis Stenosis	Definition Source	Operator: Equal Value: No (or Not Answered) Code Code System Nar 112000001194 ACC NCI 112000001195 ACC NCI
Selection E Truly Severe Aortic Stenosis 'seudo-Severe Aortic 'seudo-Severe Aortic tenosis Element: 13325	Aortic Stenosis Type Not Documented	Operator: Equal Value: No (or Not Answered) <u>Code</u> Code System Nar 112000001194 ACC NC
Selection E Truly Severe Aortic Stenosis 'seudo-Severe Aortic 'seudo-Severe Aortic tenosis Element: 13325	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge.	Operator: Equal Value: No (or Not Answered) Code System Nar 112000001194 ACC NC 112000001195 ACC NC Technical Specification
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A	Operator: Equal Value: No (or Not Answered) Code System Nar 112000001194 ACC NC 112000001195 ACC NC Technical Specification Code: 11200002013 Code System Name: ACC NCDR Short Name: ASTypeND
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge.	Operator: Equal Value: No (or Not Answered) Code System Nar 112000001194 ACC NC 112000001195 ACC NC Code: 11200002013 Code System Name: ACC NCDR Short Name: ASTypeND Missing Data: Report
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A Dobutamine Stress Echocardiography Findings	Operator: Equal Value: No (or Not Answered) Code System Nar 112000001194 ACC NC 112000001195 ACC NC Technical Specification Code: 11200002013 Code System Name: ACC NCDR Short Name: ASTypeND
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: No (or Not Answered) Code Code System Nar ACC NC 112000001194 112000001194 ACC NC ACC NC Technical Specification Code: 112000002013 Code System Name: ACC NCDR Short Name: ASTypeND Missing Data: Report Harvested: Is Identifier: No
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 112000001194 ACC NC 112000001195 ACC NC Technical Specification Code: 112000002013 ACC NCDR Name: ACC NCDR Short Name: ASTypeND Missing Data: Report Harvested: Yes (TAVR) Is Base Element: Yes Is Followup No
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: No (or Not Answered) Code Code System Nar 112000001194 ACC NC 112000001195 ACC NC 112000001195 ACC NC Code: 11200002013 Code: 11200002013 Code System ACC NCDR Name: ACC NCDR Short Name: ASTypeND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Selection Type: Single Single
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: No (or Not Answered) Code Code System Nar ACC NC 112000001194 ACC NC 112000001195 Technical Specification Code: 11200002013 ACC NC Code System Name: ACC NCDR Short Name: ACC NCDR Short Name: ASTypeND Missing Data: Report Harvested: Yes (TAVR) Is Base Element: Yes Is Followup Element: No Is Followup Element: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Null
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: No (or Not Answered) Code System Nar 112000001194 ACC NC 112000001195 ACC NC Technical Specification Code System Name: ACC NC Code System Name: ACC NCDR Short Name: ASTypeND Missing Data: Report Harvested: Yes Is Identifier: No Is Followup Element: No Sata Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: No (or Not Answered) Code Code System Nar ACC NC 112000001194 ACC NC 112000001195 ACC NC Technical Specification Code: 112000002013 Code System Name: ACC NCDR Short Name: ASTypeND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Followup Element: No Selection Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Default Value: Null
Selection C Truly Severe Aortic Stenosis Seudo-Severe Aortic Stenosis Stenosis Seudo-Severe Aortic Element: 13325 Coding Instruction: Target Value: Seudo-Severe Value:	Source Aortic Stenosis Type Not Documented Indicate if the type of aortic stenosis is not documented on dobutamine challenge. N/A Dobutamine Stress Echocardiography Findings The results or findings of dobutamine stress echocardiogram.	Operator: Equal Value: No (or Not Answered) Code System Na 112000001194 ACC NC 112000001195 ACC NC Technical Specification Code: 11200002013 Code System Name: ACC NCDR Short Name: ASTypeND Missing Data: Report Harvested: Yes (TAVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: User





lement: 7065	Concomitant Procedures Performed	Technic	cal Specification
Coding Instruction:	Indicate if another procedure was performed concurrently.	Code:	100001271
-	The value on current procedure	Code System Name:	ACC NCDR
. a. got talaol		Short Name:	ConcomProc
		Missing Data:	Report
		Harvested:	Yes (BDS, TAVR, TMVR TMVrpr, TTVP)
		Is Identifier:	No
		Is Base Element:	
		Is Followup Element:	No
		Data Type:	BL
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
lement: 7066	Concomitant Procedures Performed Type	Technic	cal Specification
		Code:	100013075
Coding Instruction:	Indicate the type of procedure performed in conjunction with the TVT procedure.	Code System Name:	
	Note(s): The procedure(s) collected in your application is controlled by Procedure Master file. This file is	Short Name:	ConcomProcType
	maintained by the TVT Registry and will be made available on the internet for downloading and	Missing Data:	Report
	importing/updating into your application.	Harvested:	Yes (BDS, TAVR, TMVR TMVrpr, TTVP)
Target Value:	The value on current procedure	Is Identifier:	No
		Is Base Element:	Yes
		Is Followup Element:	No
		Data Type:	CD
		Precision:	
		1100131011.	
			Multiple (Dynamic List)
		Selection Type:	
		Selection Type: Unit of Measure:	Null
		Selection Type: Unit of Measure: Default Value:	Null
		Selection Type: Unit of Measure: Default Value: Usual Range:	Null
		Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	Null User Child Validation
		Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	Null User Child Validation oncomitant Procedures

Concomitant Procedures Type - 2.16.840.1.113883.3.3478.6.4.10 Selection Definition Source Code Code System Name Left Atrial Appendage 233032004 SNOMED CT Occlusion Peripheral Intervention 100001272 ACC NCDR Procedure Type Not Listed 10001424810 ACC NCDR PCI 415070008 SNOMED CT Permanent Pacemaker 449397007 SNOMED CT 112000001951 ACC NCDR Balloon Mitral Valvuloplasty Bioprosthetic Aortic Scallop Intentional Laceration to BASILICA ACC NCDR 112000001952 prevent latrogenic Coronary Artery obstruction (BASILICA) is a procedure that prevents coronary artery obstruction during transcatheter aortic valve replacement (TAVR). Alcohol Septal Ablation 437746009 SNOMED CT LAMPOON Laceration of the Anterior Mitral Valve Leaflet to 112000001953 ACC NCDR Prevent Left Ventricular Outflow Tract Obstruction During Transcatheter Mitral Valve Replacement





Element: 7025	Procedure Status		Technica	I Specification
Coding Instruc	tion: Indicate the status of the procedure.		Code: 1	00001218
-				CC NCDR
Target Va	alue: The value on current procedure		Name: ⁽¹⁾ Short Name: P	
Vendor Instruct	13	cedure Type (14273) is selected Procedure Status	Missing Data: R	
	(7025) cannot be Null			res (BDS, TAVR, TMVR, MVrpr, TTVP)
			Is Identifier: N	-
			Is Base Element: Y	
			ls Followup Element: N	lo
			Data Type: C	
			Precision:	
			Selection Type: S	lingle
			Unit of Measure:	
			Defendet Melanes M	с.н.
			Default Value: N	lull
			Usual Range:	lull
			Usual Range: Valid Range:	lser
Selection [Definition	Source	Usual Range: Valid Range: Data Source: U	Jser Code Code System Nam
Selection I Elective Procedure T t		Source Society of Thoracic Surgeons (STS)	Usual Range: Valid Range:	Jser Code Code System Nam
Elective Procedure t t r Urgent Procedure	Definition The patient's cardiac function has been stable in the days or weeks prior to the procedure. The procedure could be deferred without increased risk of compromised cardiac outcome.	Society of Thoracic Surgeons (STS)	Usual Range: Valid Range: Data Source: U	User Code Code System Nam 3390000 SNOMED (3391001 SNOMED (
Selection I Elective Procedure t Urgent Procedure Emergency Procedure F c t t	Definition The patient's cardiac function has been stable in the days or weeks prior to the procedure. The procedure could be deferred without increased	Society of Thoracic Surgeons (STS) Society of Thoracic Surgery (STS)	Usual Range: Valid Range: Data Source: U 71388002:260870009=103 71388002:260870009=103	Jser Code Code System Nan 3390000 SNOMED





lement: 13499	Heart Team Reason for Procedure	Techr	ical Specification
	to Parts the local terms of the terms of the terms of the terms is the second second second second second second	Cod	e: 112000001281
Coding Instruction:	Indicate the heart team's reason for the transcatheter valve replacement procedure.	Code Syste Nam	M ACC NCDR
	Note: If the heart team did not document a risk category, consider patients with a predicted risk of 30-day mortality based on the risk model developed by the Society of Thoracic Surgeons as	Short Nam	e: OperatorReason
	noted below:	Missing Dat	a: Report
	Low risk is considered <3%	Harveste	d: Yes (BDS, TAVR, TMVR, TT\
	Intermediate risk is considered 3-7%.	Is Identifie	r: No
	High risk is considered >=8%.	Is Base Elemer	
	Extreme risk includes technically inoperable, co-morbid and debilitated patients.	Is Follow	IP No
Target Value:	The value on current procedure	Elemen	t:
U U		Data Typ	
		Precisio	
		Selection Typ	e: Single
		Unit of Measur	e:
		Default Valu	e: Null
		Usual Rang	e:
		Valid Rang	e:
		Data Sourc	e: User
		Paren	t/Child Validation
		Element: 14273	Transcatheter Valve Therapy
		Procedu	ire Type
		Operator: Equal	
		Value: TMVR	
		Element: 14273	Transcatheter Valve Therapy
		Procedu	ire Type
		Operator: Equal	d) (shire Desire days
			d Valve Procedure
		Element: 14273 Procedu	Transcatheter Valve Therapy ire Type
		Operator: Equal	
		Value: TAVR	

Selection	Definition	Source	Code	Code System Name
Extreme Risk			112000001282	ACC NCDR
High Risk			112000001283	ACC NCDR
Intermediate Risk			112000001284	ACC NCDR
Low Risk			112000001285	ACC NCDR

Technical Specification Element: 13504 Heart Team Evaluation of Suitability for Surgical Replacement Code: 112000001291 Coding Instruction: Indicate if, as part of the Heart Team patient assessment, both an Interventional Cardiologist Code System Name: ACC NCDR AND a Cardiothoracic Surgeon evaluated the patient face to face for the suitability for open heart valve replacement surgery and documented the evaluation in the medical record. Short Name: EvalAVRSuit Target Value: The value on current procedure Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: Tricuspid Valve Procedure





Section: Procedure Information

Parent: Lab Visit

Element: 12871	Procedure Location	Technic	al Specification
Coding Instruction:	Indicate the location where the procedure was performed.	Code: Code System Name:	112000000623
-	The value on current procedure		ProcedureLocation
Supporting Definition:	Procedure Location The area of the healthcare facility where the procedure was perform Source:	ned. Missing Data: Harvested:	Report Yes (TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: Is Base Element:	No Yes
		Is Followup Element: Data Type:	
		Precision: Selection Type: Unit of Measure:	Single
		Default Value: Usual Range: Valid Range:	Null
Procedure Location - 1.3.6.1.4	1 10376 1 4 1 6 5 337	Data Source:	User
	1.19370.1.4.1.0.3.327		Cada System Nama

Selection	Definition	Source	Code	Code System Name
Cardiac Catheterization Laboratory			11200000616	ACC NCDR
Hybrid Catheterization Laboratory Suite			112000001266	ACC NCDR
Hybrid Operating Room Su	uite		112000001265	ACC NCDR
Other			100000351	ACC NCDR





lement: 13331	Anesthesia Type	Technical Specification	
Target Value:	Indicate the type of anesthesia used for the procedure. The highest value on current procedure	Code: 399248000 Code System Name: SNOMED CT Short Name: AnesthesiaType	
Supporting Definition:	Anesthesia Anesthesia is defined as the loss of sensation resulting from pharmacologic depression of nerve function. There are several types of anesthesia including neuraxial, general, or peripheral nerve block. Monitored Anesthesia Care is a specific type of anesthesia service that may be provided when neuraxial anesthesia, general anesthesia, or peripheral nerve block is not utilized. Source: Anesthesia Quality Institute (2018). 2018 AQI NACOR data element conceptual definition. Retrieved from http://www.aqihq.org/files/AQI_NACOR_DATA_ELEMENT_DEFINITIONS_v3% 202018_FINAL.pdf	Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User	

Anesthesia Type - 1.3.6.1.4.1.19376.1.4.1.6.5.463

Selection	Definition	Source	Code	Code System Name
General Anesthesia	General Anesthesia is a drug-induced loss of consciousness during which patients are not arousable, even by painful stimulation. The ability to independently maintain ventilatory function is often impaired. Patients often require assistance in maintaining a patent airway, and positive pressure ventilation may be required because of depressed spontaneous ventilation or drug-induced depression of neuromuscular function. Cardiovascular function may be impaired.	Excerpted from Continuum of Depth of Sedation: Definition of General Anesthesia and Levels of Sedation/Analgesia approved on October 13, 1999 and last amended October 15, 2014 of the American Society of Anesthesiologists. A copy of the full text can be obtained from ASA, 1061 American Lane Schaumburg, IL 60173-4973 or online at www.asahq.org.	420653000	SNOMED CT
Deep sedation/Analgesia	Deep Sedation/Analgesia is a drug-induced depression of consciousness during which patients cannot be easily aroused but respond purposefully following repeated or painful stimulation. The ability to independently maintain ventilatory function may be impaired. Patients may require assistance in maintaining a patent airway, and spontaneous ventilation may be inadequate. Cardiovascular function is usually maintained.		426155000	SNOMED CT
Moderate Sedation/Analgesia (Conscious Sedation)	Moderate Sedation/Analgesia ("Conscious Sedation") is a drug-induced depression of consciousness during which patients respond purposefully to verbal commands, either alone or accompanied by light tactile stimulation. No interventions are required to maintain a patent airway, and spontaneous ventilation is adequate. Cardiovascular function is usually maintained. Reflex withdrawal from a painful stimulus is NOT considered a purposeful response.		314271007	SNOMED CT
Minimal Sedation/Anxiolysis	Minimal Sedation (Anxiolysis) is a drug-induced state during which patients respond normally to verbal commands. Although cognitive function and physical coordination may be impaired, airway reflexes, and ventilatory and cardiovascular functions are unaffected.		427255001	SNOMED CT





Element: 13505	Procedure Aborted	Technic	al Specification
Coding Instruction:	procedure room. A procedure is aborted when the procedure is terminated before device	Code: Code System Name:	112000000515 ACC NCDR
	deployment is attempted. Once device deployment is attempted, the procedure is considered failed. In this scenario, code device successfully deployed=no.	Short Name: Missing Data:	TVTProcedureAbort Report
	For mitral leaflet clip procedures, a procedure is considered aborted when the steerable guide cath was never introduced into the patient.		Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
Target Value	The value on current procedure	Is Base Element: Is Followup Element:	
		Data Type: Precision:	BL
		Selection Type: Unit of Measure:	Single
		Default Value: Usual Range:	Null
		Valid Range: Data Source:	User





Element: 13506	Reason for Aborting Procedure			Technical	I Spe	cification
Coding Instruction:	Indicate the reason why the procedure was canceled	l or aborted.	Code	Code: 1		
-	The value on current procedure		Code	Name: A		DR
Turget Value.			Sho			reAbortReason
				ing Data: R		
			Па		es (вр MVrpr,	S, TAVR, TMVR, TTVP)
			ls le	dentifier: N	lo	
				Element: Y		
			15 1	Followup Element: ^{No}	lo	
				ata Type: C	D	
				recision: on Type: Si	Single	
				Measure:	lingle	
			Defau	ult Value: N	lull	
				al Range: d Range:		
				a Source: U	Jser	
				Parent/Ch		alidation
			Element:			e Aborted
			Operator:	•		
			Value:	Yes		
	Procedure Aborted Reasons - 1.3.6.1.4.1.19376.1.	4.1.6.5.554				
		Source			ode	Code System Na
	The procedure was aborted because of difficulties at the procedure access site.			1120000014	460	ACC NO
5	The procedure was aborted because of navigation			1120000014	461	ACC NO
Successful Access	issues after successful access. Examples include					
i	inability to advance through ilio-femoral system due to					
,	vessel size/tortuousity/calcification/disease; inability to					
	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve.			1120000014	462	ACC N
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to			1120000014	462	ACC N
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an			1120000014	462	ACC N
Vew Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related			1120000014	462	ACC NO
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected.					
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction			1120000014		
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected.					
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in				463	ACC N
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device.			1120000014	463	ACC N
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an			1120000014	463	ACC N
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically			1120000014	463	ACC N
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an adverse medication or other reaction, or a patient experiencing another complication prior to completion of the procedure.			1120000014	463 464	ACC NO
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an adverse medication or other reaction, or a patient experiencing another complication prior to completion of the procedure. The procedure was aborted because the patient/family			1120000014	463 464	ACC NO
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an adverse medication or other reaction, or a patient experiencing another complication prior to completion of the procedure.			1120000014	463 464	ACC NO
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the optent's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an adverse medication or other reaction, or a patient experiencing another complication prior to completion of the procedure. The procedure was aborted because the patient/family or physician changed their decision to perform the procedure after the start of the case.			1120000014	463 464 465	ACC NO
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an adverse medication or other reaction, or a patient experiencing another complication prior to completion of the procedure. The procedure was aborted because the patient/family or physician changed their decision to perform the procedure after the start of the case. The procedure was aborted because of difficulties crossing the septum. The procedure was aborted because of equipment			1120000014 1120000014 1120000014	463 464 465 466	ACC NO ACC NO ACC NO
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an adverse medication or other reaction, or a patient experiencing another complication prior to completion of the procedure. The procedure was aborted because the patient/family or physician changed their decision to perform the procedure aborted because of difficulties crossing the septum. The procedure was aborted because of difficulties crossing the septum.			1120000014 1120000014 1120000014 1120000014	463 464 465 466	ACC NG ACC NG ACC NG ACC NG
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an adverse medication or other reaction, or a patient experiencing another complication prior to completion of the procedure. The procedure was aborted because the patient/family or physician changed their decision to perform the procedure after the start of the case. The procedure was aborted because of difficulties crossing the septum. The procedure was aborted because of equipment			1120000014 1120000014 1120000014 1120000014	463 464 465 466	
New Clinical Findings	vessel size/tortuousity/calcification/disease; inability to navigate aorta; and inability to cross aortic valve. The procedure was aborted because of new clinical findings (that are not access or navigation related issues). Examples include (but are not limited to) an annulus too large or small, thrombus or vegetation on valve, valve not felt to be severely stenosed or diseased as suspected. The procedure was aborted because of a malfunction of either the device or delivery system prior to when the operator attempted to deploy the device. The procedure was aborted because of a change in the patient's clinical status. Examples include (but are not limited to) a patient becoming hemodynamically unstable during the procedure, a patient having an adverse medication or other reaction, or a patient experiencing another complication prior to completion of the procedure. The procedure was aborted because the patient/family or physician changed their decision to perform the procedure after the start of the case. The procedure was aborted because of difficulties crossing the septum. The procedure was aborted because of equipment (not device) malfunction (such as x-ray system equipment malfunction), or a situation where an			1120000014 1120000014 1120000014 1120000014	463 464 465 466	ACC NG ACC NG ACC NG ACC NG





Element: 13757	Procedure Aborted Action		Technic	al Spe	cification	
Coding Instruction:	n: Indicate the reason or action taken as a result of the aborted TVT procedure.			Code: 112000001468		
-	The value on current procedure	as a result of the aborted 1 v1 procedure.	Code System Name:	ACC NC	DR	
Taiget Value.	The value of current procedure		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	Procedu Report Yes (TA TTVP) No Yes No CD Single	ureAbortAction	
				User Child V	/alidation	
			Operator: Equal Value: Yes			
	Procedure Aborted Action - 1.3.6 Definition	5.1.4.1.19376.1.4.1.6.5.555 Source		Code	Code System Nam	
Conversion to Open Heart Surgery			11200000		ACC NCD	
Scheduled Open Heart Surgery			11200000)1473	ACC NCE	
Rescheduled Transcatheter Procedure			11200000)1470	ACC NCE	
			11200000)1472	ACC NCE	
Converted to Clinical Trial						
			11200000)1469	ACC NCE	
Balloon Valvuloplasty Converted to Medical Therapy			11200000		ACC NCI ACC NCI	

Element: 13542	Conversion to Open Heart Surgery	Technical Specification
	Indicate if conversion to open heart surgical access was required.	Code: 112000001327
Target Value:	The value on current procedure	Code System Name: ACC NCDR
J	•	Short Name: ConvSurgAccess
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User





Section: Procedure Info	ormation	Parent: Lab Visit			
Element: 13543	Reason for Conversion to Open Heart Surger	у	Technic	al Specifica	ation
Coding Instruction:	Indicate the reason for conversion to open heart surger The value on current procedure		Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source:	1120000132 ACC NCDR ConvSurgAcc Report Yes (BDS, TA TMVrpr, TTVP No Yes No CD Multiple Null	7 essReason VR, TMVR,))
Reason for Conversion to Op	en Heart Surgery - 1.3.6.1.4.1.19376.1.4.1.6.5.513		Value: Yes		
Selection [Source			le System Nan
Valve Dislodged to Aorta			11200000	1328	ACC NCI
alvo Diclodgod to Loft			11200000	1220	

0010011011	Dominion	Course	0040	oodo oyotom namo
Valve Dislodged to Aorta			112000001328	ACC NCDR
Valve Dislodged to Left Ventricle			112000001329	ACC NCDR
Annulus Rupture			112000001331	ACC NCDR
Ventricular Rupture			112000001330	ACC NCDR
Aortic Dissection			308546005	SNOMED CT
Coronary Occlusion			63739005	SNOMED CT
Access Related			112000001460	ACC NCDR
Cardiac Tamponade			35304003	SNOMED CT
Inability to Position Device			112000001479	ACC NCDR
Device Embolization			112000001324	ACC NCDR
Valve Injury			762610001	SNOMED CT
Other			100000351	ACC NCDR

Element: 7422	Mechanical Ventricular Support	Technical Specification
O sulling a language for		Code: 100014009
-	Indicate if the patient required mechanical ventricular support.	Code System ACC NCDR
Target Value:	Any occurrence on current procedure	Short Name: MechVentSupp
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User





Element: 7423	Mechanical Ventricular Support Device	Techni	cal Specification
Codina Instruction.		Code	100001278
Coding Instruction:	Indicate the mechanical ventricular support device used.	Code System Name	
	Note(s): The device that should be collected in your application are controlled by a Mechanical	Short Name	MVSupportDevice
	Ventricular Support Master file. This file is maintained by the NCDR and will be made available	Missing Data	Report
	on the internet for downloading and importing/updating into your application. If more than one device is used, code the device with the highest level of support.		Yes (TAVR, TMVR, TMVrpr, TTVP)
Torret Volue		Is Identifier:	No
l'arget value:	Any occurrence on current procedure	Is Base Element:	
		Is Followup Element	No
		Data Type	CD
		Precision	
		Selection Type:	Single (Dynamic List)
		Unit of Measure:	
		Default Value	Null
		Usual Range	
		Valid Range	
		Data Source	User
		Parent	Child Validation
		Element: 7422	lechanical Ventricular Support
		Operator: Equal	
		Value: Yes	
lechanical Ventricular Suppo	rt Device - 2.16.840.1.113883.3.3478.6.1.24		
	efinition Source		Code Code System Na

Selection	Definition	Source	Code	Code System Name
Cardiopulmonary Support (CPS)			1000142428	ACC NCDR
Extracorporeal membrane oxygenation (ECMO)			233573008	SNOMED CT
Impella: Left Ventricular Support			100014011	ACC NCDR
Impella: Right Ventricular Support			11200000188	ACC NCDR
Intra-aortic balloon pump (IABP)			442807006	SNOMED CT
Isolated Right Ventricular Support			11200000546	ACC NCDR
Left ventricular assist device (LVAD)			232967006	SNOMED CT
Right Ventricular Assist Devic (RVAD)	e		360065002	SNOMED CT
Percutaneous Heart Pump (PHP)			1000142429	ACC NCDR
TandemHeart			100014010	ACC NCDR
Other			100000351	ACC NCDR





Element: 7424	Mechanical Ventricular Support Timing		al Specifi	cation
Coding Instruction:	Indicate when the mechanical ventricular support device was placed.		100014009	
-	Any occurrence on current procedure	Code System Name:	ACC NCDR	
Target value.	Any occurrence on current procedure	Short Name:	MVSupportT	Timing
		Missing Data:	Report	
		Harvested:	Yes (BDS, T TMVrpr, TT\	
		Is Identifier:		
		Is Base Element:	Yes	
		Is Followup Element:	No	
		Data Type:	CD	
		Precision:	00	
		Selection Type:	Single	
		Unit of Measure:		
		Default Value:	Null	
		Usual Range:		
		Valid Range:		
		Data Source:		
			child Valio	
			echanical Ve	entricular Support
		Operator: Equal Value: Yes		
	ort Timing - 1.3.6.1.4.1.19376.1.4.1.6.5.524			
	Definition Source	C	ode C	ode System Nar
n place at start of procedure	Jefinition Source	100001	1280	ode System Nar ACC NC
n place at start of procedure nserted during procedure and prior to intervention	Jefinition Source	100001 100001	1280 1281	ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun	Jefinition Source	100001 100001 100013	1280 1281 3042	ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun	Jetinition Source	100001 100001	1280 1281 3042	ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure		100001 100001 100013 112000001	1280 1281 3042	ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579	Cardiopulmonary Bypass Used	100001 100001 100013 112000001 Technica Code:	1280 1281 3042 1347	ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code:	1280 1281 3042 1347 al Specifi	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used	100001 100001 100013 112000001 Technica Code: Code System	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100013 100013 112000001 Technica Code: Code System Name: Short Name: Missing Data:	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code: Code System Name: Short Name: Missing Data: Harvested:	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report Yes (TAVR, TTVP)	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier:	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report Yes (TAVR, TTVP) No	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report Yes (TAVR, TTVP) No	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report Yes (TAVR, TTVP) No	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report Yes (TAVR, TTVP) No Yes No	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has regun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report Yes (TAVR, TTVP) No Yes No	
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has regun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report Yes (TAVR, TTVP) No Yes No BL	ACC NC ACC NC ACC NC ACC NC ACC NC
n place at start of procedure nserted during procedure and prior to intervention nserted after intervention has begun Post Procedure Element: 13579 Coding Instruction:	Cardiopulmonary Bypass Used Indicate if cardiopulmonary bypass or coronary perfusion was used during the procedure.	100001 100001 100013 112000001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	1280 1281 3042 1347 al Specifi 63697000 SNOMED CT CPB Report Yes (TAVR, TTVP) No Yes No BL	ACC NC ACC NC ACC NC ACC NC ACC NC

Usual Range: Valid Range: Data Source: User





Section: Procedure Info	ormation	Parent: Lab Visit			
Element: 13580	Cardiopulmonary Bypass Status		Technie	cal Specificat	tion
-	Indicate if the use of cardiopulmonary bypass was	elective or emergent.	Code: Code System Name:	63697000 SNOMED CT	
Target Value:	The value on current procedure		Short Name: Missing Data:	CPBStatus Report Yes (TAVR, TM TTVP) No Yes No CD Single Null	IVR, TMVrpr,
			Data Source:	User	
Cardiopulmonary Procedure ∶	Status - 1.3.6.1.4.1.19376.1.4.1.6.5.766			Child Validat Cardiopulmonary	
Selection Defin		e		Code Code	System Nan
Elective Procedure Emergency Procedure			71388002:260870009= 1120	103390000 000001278	SNOMED (ACC NCE
Element: 13581	Cardiopulmonary Bypass Time			cal Specifica	tion
Coding Instruction:	Indicate the total number of minutes that systemic	return is diverted into the cardiopulmonary	Code:	364669000	

Element: 13581	Cardiopulmonary Bypass Time	rechnic	al Specification
Coding Instruction.	Indicate the total number of minutes that quaternic return is diverted into the cordionulmonary		364669000
Coding Instruction:	Indicate the total number of minutes that systemic return is diverted into the cardiopulmonary bypass (CPB) circuit and returned to the systemic system. This time period (Cardiopulmonary bypass (CPB) circuit and returned to the systemic system. This time period the systemic system of the systemic system of the system of the systemic system.	Code System Name:	SNOMED CT
	Bypass Time) includes all periods of cerebral perfusion and sucker bypass. This time period (Cardiopulmonary Bypass Time) excludes any circulatory arrest and modified ultrafiltration	Short Name:	
	periods. If more than one period of CPB is required during the procedure, the sum of all the CPB	Missing Data:	Report
	periods will equal the total number of CPB minutes.	Harvested:	Yes (TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	No
larget value:	The total between start of procedure and end of procedure	Is Base Element:	
		Is Followup Element:	No
		Data Type:	PQ
		Precision:	3,0
		Selection Type:	Single
		Unit of Measure:	min
		Default Value:	Null
		Usual Range:	1 - 300 min
		Valid Range:	1 - 999 min
		Data Source:	User
		Parent/	Child Validation
		Element: 13579	Cardiopulmonary Bypass Used
		Operator: Equal	
		Value: Yes	





lement: 13525	Delivery System Successfully Removed	Technical Specification
Coding Instruction:	Indicate if the delivery system was successful removed.	Code: 112000001312 Code System
Target Value:	The value on current procedure	Name: ACC NCDR
		Short Name: DeliveryRemoved
		Missing Data: Report
		Harvested: Yes (TAVR, TMVR, TTVP)
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal Value: TAVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
lement: 13644	Positive Inotropes Administered	Technical Specification
Coding Instruction:	Indicate if positive inotropes was administered.	Code: 112000001358 Code System Name:
	For patients requiring IV inotropic support, indicate positive	notropes only
		Short Name: ProcInotropesAdmin
larget value:	Any occurrence between start of procedure and end o	becedure Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element: No
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR





ection: Operator Inforr			
lement: 14476	TVT Operator First Name	Technic	al Specification
Coding Instruction:	Indicate the first name of operator.	Code: Code System Name:	112000001955 ACC NCDR
	Note(s): If the name exceeds 50 characters, enter the first 50 characters only.	Short Name:	TVT_Oper_FirstName
Target Value:	The value on current procedure	Missing Data: Harvested:	Report Yes (BDS, TAVR, TMVR,
Vendor Instruction:	A TVT Operator - combination First Name (14476), Last Name (14478) and NPI (14479) - may	Is Identifier:	TMVrpr, TTVP) No
	only be entered/selected once	Is Base Element:	Yes
		Is Followup Element:	No
		Data Type: Precision:	
		Selection Type:	
		Unit of Measure:	
		Default Value:	Null
		Usual Range: Valid Range:	
		Data Source:	User
lement: 14478	TVT Operator Last Name		al Specification
Coding Instruction:	Indicate the last name of operator.	Code System	ACC NCDR
	Note(s):		TVT_Oper_LastName
	If the name exceeds 50 characters, enter the first 50 characters only.	Missing Data:	
Target Value:	The value on current procedure	Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element: Is Followup	
		Element:	No
		Data Type:	
		Precision:	
		Selection Type: Unit of Measure:	Single
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
lement: 14477	TVT Operator Middle Name	Technic	al Specification
		Code:	112000001955
coding instruction.	Indicate the middle name of operator.	Code System Name:	ACC NCDR
	Note(s): It is acceptable to specify the middle initial.		TVT_Oper_MidName
	If there is no middle name given, leave field blank.	Missing Data: Harvested:	Yes (BDS, TAVR, TMVR
	If there are multiple middle names, enter all of the middle names sequentially.	Is Identifier:	TMVrpr, TTVP) No
	If the name exceeds 50 characters, enter the first 50 letters only.	Is Base Element:	Yes
Target Value:	The value on current procedure	Is Followup Element:	No
Target value.		Data Type:	
		Precision:	
		Selection Type: Unit of Measure:	Single
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	Llaan





Section: Operator Information

Parent: Procedure Information

Data Source: User

lement: 14479	TVT Operator NPI	Technical Specification
	Indicate the National Provider Identifier (NPI) of the operator who is performing the procedure. NPI's, assigned by the Centers for Medicare and Medicaid Services (CMS), are used to uniquely identify physicians for Medicare billing purposes.	Code: 112000001955 Code System Name: ACC NCDR
Target Value:	The value on current procedure	Short Name: TVT_Oper_NPI Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No Is Base Element: Yes
		ls Followup Element: ^{No}
		Data Type: NUM Precision: 10
		Selection Type: Single Unit of Measure: Default Value: Null
		Usual Range: Valid Range:





Section: Radiation and	Contrast Parent: Procedure Informati	on
Element: 14278	Dose Area Product	Technical Specification
Coding Instruction:	Indicate the total fluoroscopy dose to the nearest integer. The value recorded should include the total dose for the lab visit.	Code: 100000994 Code System Name: ACC NCDR
Target Value:	The total between start of current procedure and end of current procedure	Short Name: FluoroDoseDAP2
Supporting Definition:	Dose Area Product	Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr
	Dose Area Product is the integral of air kerma (the energy extracted from an x-ray beam per unit mass of air in a small irradiated air volume; for diagnostic x-rays, the dose delivered to that volume of air) across the entire x-ray beam emitted from the x-ray tube. It is a surrogate measure of the amount of energy delivered to the patient. Also known as KAP (Kerma Area Product). Source: Miller DL, et al. Radiation doses in interventional radiology procedures. (J Vasc Interv Radiol 2003; 14:711-727.)	Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: PQ Precision: 7,0 Selection Type: Single Unit of Measure: Gy-cm², dGy-cm², cGy-cm², mGy-cm², µGy-M² Default Value: Null Usual Range: 1 - 700 Gy-cm² 100 - 70,000 dGy-cm² 100 - 70,000 mGy-cm² 100 - 70,000 µGy-M² 1,000 - 700,000 mGy-cm² Valid Range: 1 - 5,000 Gy-cm² 100 - 500,000 µGy-M² 1,000 - 500,000 µGy-M² 1,000 - 500,000 µGy-M² 1,000 - 500,000 µGy-M² 1,000 - 5,000,000 µGy-M² 1,000 - 5,000,000 µGy-M² 1,000 - 5,000,000 µGy-M² 1,000 - 5,000,000 µGy-M²
Element: 7210	Cumulative Air Kerma	Technical Specification
	Indicate the total radiation dose (Cumulative Air Kerma, or Reference Air Kerma) recorded to the nearest milligray (mGy) or gray (Gy). The value recorded should include the total dose for the lab visit. Cumulative air kerma is the total air kerma accrued from the beginning of an examination or procedure and includes all contributions from fluoroscopic and radiographic irradiation.	Code: 228850003 Code System Name: SNOMED CT Short Name: FluoroDoseKerm Missing Data: Report
Target Value:	The total between start of current procedure and end of current procedure	Harvested: Yes (TAVR, TMVR, TMVrpr TTVP)
0		TTVP) Is Identifier: No
0	The total between start of current procedure and end of current procedure	TTVP)
5	The total between start of current procedure and end of current procedure Cumulative (Reference) Air kerma Cumulative air kerma (also known as reference, reference dose, cumulative dose, or cumulative dose at a reference point) is the air kerma accumulated at a specific point in space (the patient entrance reference point) relative to the gantry of the fluoroscopy system.	TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: PQ





Element: 7214	Fluoroscopy Time	Technical Specification
		Code: 100014077
Coding Instruction:	Indicate the total fluoroscopy time recorded to the nearest 0.1-minute. The time recorded should include the total time for the lab visit.	Code System Name: ACC NCDR
Target Value:	The total between start of current procedure and end of current procedure	Short Name: FluoroTime
		Missing Data: Report
		Harvested: Yes (TAVR, TMVR, TMVrp. TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: PQ
		Precision: 4,1
		Selection Type: Single
		Unit of Measure: min
		Default Value: Null
		Usual Range: 0.1 - 30.0 min
		Valid Range: 0.1 - 300.0 min Data Source: User
Element: 7215	Contrast Volume	Data Source: User Technical Specification
	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded	Data Source: User Technical Specification Code: 80242-1 Code System
		Data Source: User Technical Specification Code: 80242-1 Code System Name:
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded	Data Source: User Technical Specification Code: 80242-1 Code System Name: Short Name: ContrastVol
-	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System LOINC Name: Short Name: ContrastVol Missing Data:
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System Name: LOINC Short Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp) TTVP) TTVP)
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System Name: Short Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System LOINC Short Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System LOINC Short Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Element: No
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System LOINC Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Element: No Data Type: PQ
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System LOINC Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup No Element: Yes Data Type: PQ Precision: 3,0
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System LOINC Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Precision: 3,0 Selection Type: Single
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System LOINC Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mL
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System Name: ColNC Short Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpt TTVP) Is Identifier: No Is Base Element: Yes Lement: Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mL Default Value: Null
Coding Instruction:	Indicate the volume of contrast (ionic and non-ionic) used in milliliters (ml). The volume recorded should be the total volume for the lab visit.	Data Source: User Technical Specification Code: 80242-1 Code System LOINC Name: ContrastVol Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mL





Element: 14274	Mitral Regurgitation	Technic	al Specification
Coding Instruction:	Indicate the severity of regurgitation through the mitral valve.	Code:	48724000
county instruction.	Note(s):	Code System Name:	SNOMED CT
	Code the highest value or most severe regurgitation when a range is reported.		Intraproc_Post_MR
Target Value:	The last value between the implant and the end of current procedure	Missing Data:	
laiget value.	The last value between the implant and the end of current procedure	Is Identifier:	Yes (TMVR, TMVrpr)
		Is Base Element:	
		Is Followup	
		Element:	No
		Data Type:	CD
		Precision:	0. 1
		Selection Type:	Single
		Unit of Measure: Default Value:	Null
		Usual Range:	- Null
		Valid Range:	
		Data Source:	User
			Child Validation
		Element: 14273 T Procedure	Transcatheter Valve Thera
		Operator: Equal	Туре
		Value: TMVR	
		Element: 14273 T	Franscatheter Valve Thera
		Element: 14273 T Procedure	
		Procedure Operator: Equal	
		Procedure	
	1.3.6.1.4.1.19376.1.4.1.6.5.767	Procedure Operator: Equal Value: TMVr	Туре
Selection [1.3.6.1.4.1.19376.1.4.1.6.5.767 Definition Source	Procedure Operator: Equal Value: TMVr	Type Code Code System
Selection [Procedure Operator: Equal Value: TMVr C 11200000	Type Code Code System 01910 ACC
Selection I None Trace/Trivial		Procedure Operator: Equal Value: TMVr 0 11200000 11200000	Code Code System 01910 ACC 01911 ACC
Selection I None Trace/Trivial Vild		Procedure Operator: Equal Value: TMVr 11200000 11200000 11200000	Code Code System 11910 ACC 11911 ACC 10380 ACC
		Procedure Operator: Equal Value: TMVr 0 11200000 11200000	Code Code System 11910 ACC 11911 ACC 10380 ACC 10381 ACC
Selection I None Trace/Trivial Mild Moderate Severe	Definition Source	Procedure Operator: Equal Value: TMVr 11200000 11200000 11200000 11200000	Code Code System 11910 ACC 11911 ACC 10380 ACC 10381 ACC 10382 ACC
Selection I None Frace/Trivial //ild Moderate Severe		Procedure Operator: Equal Value: TMVr 11200000 11200000 11200000 11200000 11200000 11200000	Code Code System 11910 ACC 11911 ACC 10380 ACC 10381 ACC
Selection I None Trace/Trivial Atild Moderate Severe Element: 13762	Definition Source	Procedure Operator: Equal Value: TMVr 1120000000 112000000 11200000000 1	Code Code System 01910 ACC 01911 ACC 00380 ACC 00381 ACC 00382 ACC 01911 ACC 01911 ACC 00380 ACC 00381 ACC 112000001191 ACC
Selection I None Frace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction:	Definition Source Mitral Valve Mean Gradient	Procedure Operator: Equal Value: TMVr 11200000 11200000 11200000 11200000 11200000 11200000 11200000 11200000 11200000	Code Code System 11910 ACC 11911 ACC 10380 ACC 10381 ACC 10382 ACC call Specification 112000001191 ACC NCDR
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve.	Procedure Operator: Equal Value: TMVr	Type Code Code System 11910 ACC 10380 ACC 10381 ACC 10382 ACC acc NcDR 112000001191 ACC NCDR MVR_Post_MeanMVGrad
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Source Definition Source Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure	Procedure Operator: Equal Value: TMVr 11200000 11200000 11200000 11200000 11200000 11200000 Code: Code System Name: Short Name: Missing Data:	Type Code Code System 11910 ACC 10380 ACC 10381 ACC 10382 ACC acc NcDR 112000001191 ACC NCDR MVR_Post_MeanMVGrad
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Definition Source Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure Mitral Valve Mean Gradient Mitral Valve Mean Gradient The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis:	Procedure Operator: Equal Value: TMVr 11200000 11200000 11200000 11200000 11200000 11200000 Code: Code System Name: Short Name: Missing Data:	Code Code System 11910 ACC 10380 ACC 10381 ACC 10382 ACC 112000001191 ACC NCDR MVR_Post_MeanMVGrad Report Yes (TMVR, TMVrpr) AVVrpr)
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Definition Source Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure Mitral Valve Mean Gradient Mitral Valve Mean Gradient The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis: EAE/ASE	Procedure Operator: Equal Value: TMVr (11200000 (1120000) (1120000 (1120000 (1120000 (1120000) (1120000 (1120000 (1120000) (1120000 (1120000) (1120000) (1120000 (1120000) (11200000) (1120000) (1120000) (1120	Code Code System 11910 ACC 11911 ACC 10380 ACC 10381 ACC 10382 ACC 112000001191 ACC NCDR MVR_Post_MeanMVGrad Report Yes (TMVR, TMVrpr) No Yes Yes
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Definition Source Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure Mitral Valve Mean Gradient Mitral Valve Mean Gradient The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis:	Procedure Operator: Equal Value: TMVr (11200000 (1120000) (1120000 (1120000 (1120000 (1120000) (1120000 (1120000 (1120000 (1120000) (1120000 (1120000) (1120000 (1120000) (11200000) (1120000) (1120000) (11200	Code Code System 11910 ACC 11911 ACC 10380 ACC 10381 ACC 10382 ACC 112000001191 ACC NCDR MVR_Post_MeanMVGrad Report Yes (TMVR, TMVrpr) No Yes Yes
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Definition Source Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure Mitral Valve Mean Gradient Mitral Valve Mean Gradient The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis: EAE/ASE	Procedure Operator: Equal Value: TMVr (11200000 (1120000) (1120000 (1120000 (1120000 (1120000) (1120000 (1120000 (1120000) (1120000 (1120000) (1120000) (1120000 (1120000) (11200000) (1120000) (1120000) (1120	Code Code System 11910 ACC 11911 ACC 100380 ACC 100381 ACC 100382 ACC 112000001191 ACC NCDR MVR_Post_MeanMVGrad Report Yes (TMVR, TMVrpr) No
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Definition Source Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure Mitral Valve Mean Gradient Mitral Valve Mean Gradient The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis: EAE/ASE	Procedure Operator: Equal Value: TMVr (11200000 (1120000) (1120000 (1120000 (1120000) (1120000 (1120000) (1120000 (1120000) (11	Code Code System 11910 ACC 11911 ACC 10380 ACC 10381 ACC 10382 ACC 112000001191 ACC NCDR MVR_Post_MeanMVGrad Report Yes No PQ PQ
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Mitral Valve Mean Gradient Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure Mitral Valve Mean Gradient The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis: EAE/ASE	Procedure Operator: Equal Value: TMVr 11200000 1120000 10000 11200000 100000 100000 10000 10000 100000 100000 10000 10000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000	Type Code Code System 11910 ACC 10380 ACC 10381 ACC 10382 ACC 112000001191 ACC NCDR MVR_Post_MeanMVGrad Report Yes No PQ 3,0
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Mitral Valve Mean Gradient Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure Mitral Valve Mean Gradient The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis: EAE/ASE	Procedure Operator: Equal Value: TMVr (11200000 (1120000) (1120000 (1120000 (1120000) (1120000 (1120000) (1120000 (1120000) (11	Type Code Code System 11910 ACC 10380 ACC 10381 ACC 10382 ACC call Specification 112000001191 ACC NCDR MVR_Post_MeanMVGrad Report Yes No Yes No PQ 3,0 Single
Selection I None Trace/Trivial Mild Moderate Severe Element: 13762 Coding Instruction: Target Value:	Definition Source Mitral Valve Mean Gradient Mitral Valve Mean Gradient Indicate the mean gradient (in mm Hg) across the mitral valve. The last value between the implant and the end of current procedure Mitral Valve Mean Gradient The average gradient across the mitral valve occurring during the entire systole. Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis: EAE/ASE	Procedure Operator: Equal Value: TMVr 11200000 100000 10000 10000 100000 100000 100000 10000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000	Type Code Code System 11910 ACC 10380 ACC 00381 ACC 00382 ACC colored and the second an

Valid Range: 0 - 150 mm[Hg] Data Source: User

Procedure Type

Operator: Equal Value: TMVr

Operator: Equal Value: TMVR

 Parent/Child Validation

 Element:
 14273

 Transcatheter Valve Therapy

Element: 14273 Transcatheter Valve Therapy Procedure Type





Procedure Type Operator: Equal Value: TAVR Transcatheter Aortic Valve Replacement Primary Procedure Indication - 1.3.6.1.4.1.19376.1.4.1.6.5.738 Selection Definition Code Code System Aortic Stenosis Code Notation - 1.3.6.1.4.1.19376.1.4.1.6.5.738 Element: 13500 Valve In Valve Procedure Code Southow Code Code System Coding Instruction: Indicate whether a 'valve-in-valve' procedure was performed on previously implanted bioprosthetic valve. Code on if the procedure is being performed in a native aortic valve. Code System ACC NCDR Name: Code on if the procedure is being performed in a previously implanted bioprosthetic valve. Code on if the procedure is being performed in a previously implanted bioprosthetic valve. Code valve in Valve Procedure Is Base Element: Yas (DS), TAVR) S	Section: TAVR Parent: Procedure Info		ation		
Coding instruction: Indicate the primary indication for the transcatheter and its value replacement. If more than one indication is present, choose the most significant. Code System Manne Aco NOOR Target Value: The highest value between 2 months prior to current procedure and current procedure and current procedure Short Name: PrimTAVRPoold Mission (15498) cannot be Null Vendor Instruction: When Transcatheter Antic Value Replacement Procedure Type (14273) is Equal to (TAVR) the PrimTAVRPool Mission (15498) cannot be Null Short Name: PrimTAVRPool Mission (15498) cannot be Null Transcatheter Antic Value Replacement Pricedure Indication (15498) cannot be Null Is Base Element: Ves (BDS, TAVR) is Unit of Measure: Use Code Precision: User Transcatheter Antic Value Replacement Primary Procedure Indication - 1.3.6.1.4.1.19376.1.4.1.6.5.738 Data Source: User Transcatheter Antic Value Replacement Primary Procedure Indication - 1.3.6.1.4.1.19376.1.4.1.6.5.738 Technical Specification Transcatheter Value Procedure Code System AC CARD Value The Procedure Mission Procedure is being performed in a previously implanted bioprosthetic value. Source: Ves (BDS, TAVR) is Is Ison (EQU) is Short Name: Ves (BDS, TAVR) is Is Ison (EQU) is Value in Value Procedure Code or If the procedure is being performed in a previously implanted bioprosthetic value. Code or Value Name: Value Procedure Supporting Definition: Value in Value Procedure C	Element: 13498	Primary Transcatheter Aortic Valve Replacement Procedure Indication	-		
Target Value: The highest value between 2 months prior to current procedure and current procedur Short Name: PiniTAVEPoold Vendor instruction: When Transcatheter Valve Therapy Procedure Indication (13/489) cannot be Null Hissing Data: Report Harrestate: Yer (BDS, TAVR) Is identifier: No Is desting: No No No Harrestate: Yer (BDS, TAVR) Is identifier: No Is desting: No No No No Harrestate: Yer (BDS, TAVR) Is identifier: No No Harrestate: Yer (BDS, TAVR) Is identifier: No	Coding Instruction:		Code System		
Vendor instruction: Which Transcatheter Aonic Valve Replacement Procedure Indication (13/48) cannot b Null Harvestet: Yes (BDS, TAVR), It is following to the transcatheter Aonic Valve Replacement Procedure Indication (13/48) cannot b Null Its Base Element: Yes (BDS, TAVR), It is following to the transcatheter Aonic Valve Replacement Procedure Indication (13/48) cannot b Null Its Base Element: Yes (BDS, TAVR), It is following to the transcatheter Aonic Valve Replacement Primary Procedure Indication (13/48) cannot b Null Its Base Element: Yes (BDS, TAVR), It is following to the transcatheter Aonic Valve Replacement Primary Procedure Indication - 13.6.1.41.19376.1.4.1.6.5.738 Selection Definition Source Code Systic Value: TAVR Selection Definition Source Code Systic Code no if the procedure is being performed in a native aoric valve. Code Systic Code no if the procedure is being performed in a native aoric valve. Name: Valve/In/Valve Supporting Definition: Code no if the procedure is being performed in a native aoric valve. Name: Valve/In/Valve Supporting Definition: Source Code Systic Source Supporting Definition: Valve In Valve Procedure Name: Valve/In/Valve Supporting Definition: Source	Target Value:	The highest value between 2 months prior to current procedure and current procedure	Short Name: PrimTAVRProcInd		
Itement: 14273 Transcatheter Valve The Proceedure Type Operator: Equal Value: TAVR Source Code Notic Regurgitation 60234000 OS3 Source Code Notic Regurgitation Code Notic Regurgitation Code Notic Regurgitation Code Notic Segurgitation Code I 12000001286 Code I 12000001286 Code Notic Procedure Not Name: ValveInValve Not Name: ValveInValve Supporting Definition: Valve Procedure A procedure where a prosthetic valve is placed in a prosthetic valve that was previously implaned bioprosthetic valve Supporting Definition: Valve Procedure Vendor Instruction: Valve Procedure <td c<="" td=""><td>Vendor Instruction:</td><td></td><td>Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:</td></td>	<td>Vendor Instruction:</td> <td></td> <td>Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:</td>	Vendor Instruction:		Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:	
Selection Definition Source Code Code System Nortic Regurgitation 60234000 SN Nortic Stenosis 60573004 SN Element: 13500 Valve In Valve Procedure Technical Specification Coding Instruction: Indicate whether a "valve-in-valve" procedure was performed on previously implanted bioprosthetic valve. Code so if the procedure is being performed in a native aortic valve. Code on if the procedure is being performed in a previously implanted bioprosthetic valve. Code so if the procedure is being performed in a previously implanted bioprosthetic valve. Short Name: ValveInValve Target Value: The value on current procedure Short Name: ValveInValve Short Name: ValveInValve Supporting Definition: Valve In Valve Procedure Source: Source: Is Followup implanted. Source: Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement - Transcatheter) and Procedure History Cocurrence (14268) is (Yes) Selection Type: Single When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve Reprocedure (13500) cannot be Null Usual Range: Valid Range: Valve Procedure (13500) cannot be Null Usual Range: Valid Range: Valid Range:	Transcatheter Aortic Valve R	enlacement Primary Procedure Indication - 1 3 6 1 4 1 19376 1 4 1 6 5 738	Procedure Type Operator: Equal		
Substruction 60573004 Sh Element: 13500 Valve In Valve Procedure Technical Specification Coding Instruction: Indicate whether a "valve-in-valve" procedure was performed on previously implanted bioprosthetic valve. Code: 112000001286 Code no if the procedure is being performed in a native aortic valve. Code sit the procedure is being performed in a previously implanted bioprosthetic valve. Short Name: ValveInValve Target Value: The value on current procedure Short Name: ValveInValve Missing Data: Report Supporting Definition: Valve in Valve Procedure A procedure where a prosthetic valve is placed in a prosthetic valve that was previously implanted. Source: Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Occurrence (14268) is (Yes) When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Valid Range: Valve Procedure (13500) cannot be Null User Parent/Child Validation		· · · · ·	Code Code System Na		
Element: 13500 Valve In Valve Procedure Technical Specification Coding Instruction: Indicate whether a "valve-in-valve" procedure was performed on previously implanted bioprosthetic valve. Code: 11200001286 Code no if the procedure is being performed in a native aortic valve. Code system ACC NCDR Code yes if the procedure is being performed in a previously implanted bioprosthetic valve. Short Name: ValveInValve Target Value: The value on current procedure Short Name: ValveInValve Supporting Definition: Valve in Valve Procedure A procedure where a prosthetic valve is placed in a prosthetic valve that was previously implanted. Is Base Element: Yes Source: Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Default Value: Null Usual Range: Valve Procedure (13500) cannot be Null Valve Int Valve In Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve In Valve Procedure (13500) cannot be Null Default Value: Null					
Coding Instruction: Indicate whether a "valve-in-valve" procedure was performed on previously implanted bioprosthetic valve. Code: 11200001286 Code no if the procedure is being performed in a native aortic valve. Code or of the procedure is being performed in a previously implanted bioprosthetic valve. Short Name: ValveInValve Target Value: The value on current procedure Short Name: ValveInValve Supporting Definition: Valve in Valve Procedure A procedure where a prosthetic valve is placed in a prosthetic valve that was previously implanted. Is Base Element: Yes Source: Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Selection Type: Sulue: When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve In Valve Procedure (13500) cannot be Null Usar Selection Type: When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve In Valve Procedure (13500) cannot be Null Surget Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Valve Therapy Procedure Type Element: Yes Data Source: User Valid Range: Data Source: Valid Range: Valid Range:	Aortic Stenosis		60573004 SNOMED		
Coding Instruction: Indicate whether a "valve-in-valve" procedure was performed on previously implanted bioprosthetic valve. Code System Name: ACC NCDR bioprosthetic valve. Code no if the procedure is being performed in a native aortic valve. Short Name: ValveInValve Target Value: The value on current procedure The value on current procedure Missing Data: Report Supporting Definition: Valve in Valve Procedure A procedure where a prosthetic valve is placed in a prosthetic valve that was previously implanted. Is Base Element: Yes Source: Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Occurrence (14268) is (Yes) Selection Type: Valid Range: Val	Element: 13500	Valve In Valve Procedure	Technical Specification		
Code yes if the procedure is being performed in a native addic valve. Code yes if the procedure is being performed in a previously implanted bioprosthetic valve.Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: NoTarget Value:The value on current procedureA procedure where a prosthetic valve is placed in a prosthetic valve that was previously implanted.Is Base Element: YesSource:Source:Data Type: BL Precision:Vendor Instruction:Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Occurrence (14268) is (Yes)Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: UserWhen Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve Procedure (13500) cannot be NullValve In CAVR) then Valve In Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve In Tanscatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valid Range: Data Source: User	Coding Instruction:		Code System		
Target Value: The value on current procedure Is Identifier: No Supporting Definition: Valve in Valve Procedure Is Base Element: Yes A procedure where a prosthetic valve is placed in a prosthetic valve that was previously implanted. Is Followup No Element: No Source: Source: Data Type: BL Precision: Selection Type: Single Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Occurrence (14268) is (Yes) Selection Type: Single When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve Procedure (13500) cannot be Null Usual Range: Valid Range: Valve Procedure (13500) cannot be Null User Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Transcatheter Valve The			Missing Data: Report		
A procedure where a prosthetic valve is placed in a prosthetic valve that was previously implanted. Source: Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Occurrence (14268) is (Yes) When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve Procedure (13500) cannot be Null When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve Procedure (13500) cannot be Null Surger: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve The	Target Value:	The value on current procedure			
implanted. Data Type: BL Source: Precision: Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Occurrence (14268) is (Yes) Selection Type: Single When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve Procedure (13500) cannot be Null Usual Range: Valve Procedure (13500) cannot be Null Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Valve The	Supporting Definition:				
Source: Data Type: BL Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Occurrence (14268) is (Yes) Selection Type: Single When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Valve Procedure (13500) cannot be Null Default Value: Null Usual Range: Valid Range: Valid Range: Valve Procedure (13500) cannot be Null Data Source: User Parent/Child Validation Element: 14273			Element:		
Vendor Instruction: Valve In Valve Procedure (13500) must be (Yes) when Procedure History Name (12905) is Selection Type: Single (AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History Occurrence (14268) is (Yes) Default Value: Null When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TAVR) then Valve In Value Range: Valid Range: Valve Procedure (13500) cannot be Null Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273					
When Transcatheter Valve Therapy Procedure Type (142/3) is Equal to (TAVR) then Valve In Valve In Valve Procedure (13500) cannot be Null Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type (142/3) is Equal to (TAVR) then Valve In	Vendor Instruction:	(AV Replacement Surgery OR AV Replacement -Transcatheter) and Procedure History	Selection Type: Single Unit of Measure: Default Value: Null		
Element: 14273 Transcatheter Valve Th			Valid Range:		
Operator: Equal			Element: 14273 Transcatheter Valve Therapy Procedure Type		

Operator: Equal Value: TAVR





Section: TAVR	Parent: Procedure Informat	tion
lement: 13501	Bioprosthetic Valve Fracture Attempted	Technical Specification
Coding Instruction:	Indicate if bioprosthetic valve fracture (BVF) with high pressure balloon dilation was attempted	Code: 112000001287
	on the previously implanted bioprosthetic valve.	Name: ACC NCDR
	Note 1: If pre-implant valvuloplasty or post-implant post dilatation with lower pressure inflations (e.g. a hand inflation up to 4 atm), code no.	Short Name: BVFAttempt Missing Data: Report
	Note 2: If the previously implanted bioprosthetic valve was fractured during the procedure	Harvested: Yes (BDS, TAVR) Is Identifier: No
	(even though BVF was not planned), code yes.	Is Base Element: Yes Is Followup
Target Value:	The value on current procedure	Is Followup Element: Data Type: BL
Supporting Definition:	Bioprosthetic Valve Fracture	Precision:
	Bioprosthetic Valve Fracture (BVF) is a technique that uses a high pressure dilatation with intent to purposefully fracture or crack the ring of the previously implanted bioprosthetic valve and allow the new implanted valve to more fully expand. This technique requires balloon	Selection Type: Single Unit of Measure:
	pressures of up to 20 atm.	Default Value: Null Usual Range:
	Source: STS/ACC TVT Registry	Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13500 Valve In Valve Procedure
		Operator: Equal Value: Yes
		1
lement: 13502	Bioprosthetic Valve Fracture Timing	Technical Specification
Coding Instruction:	Indicate the timing of the bioprosthetic valve fracture.	Code: 112000001287 Code System Name:
	Note: If BVF was attempted both pre and post valve implant, code both.	Name: ACC NODR Short Name: BVFTiming
		Missing Data: Report
Target Value:	The value on current procedure	Harvested: Yes (BDS, TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Base Element: Yes Is Followup Element: ^{No}
		Is Base Element: Yes Is Followup Element: No Data Type: CD
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision:
		Is Base Element: Yes Is Followup Element: No Data Type: CD
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Multiple
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Multiple Unit of Measure:
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range:
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range:
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13501 Bioprosthetic Valve Fractur Attempted
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13501 Bioprosthetic Valve Fractur

Selection	Definition	Source	Code	Code System Name
Pre Implant			112000001912	ACC NCDR
Post Implant			112000001913	ACC NCDR





Section: TAVR	Parent: Procedure Informa		
lement: 13503	Valve Observed to be Fractured	Technica	al Specification
		Code:	112000001290
Coding Instruction:	Indicate if the valve was observed to be fractured. Documentation can include any of the following:	Code System Name:	ACC NCDR
	(1) Fluoroscopically by either visualizing the waist of the balloon release and/or the fractured	Short Name:	ValveFractured
	valve ring (if the valve ring is radiopaque);	Missing Data:	Report
	(2) By an audible snap, or	Harvested:	Yes (BDS, TAVR)
	(3) By a sudden drop in the balloon pressure in the absence of balloon rupture.	Is Identifier:	No
		Is Base Element:	Yes
Torget Volue	The value on ourrant procedure	Is Followup	
Target value:	The value on current procedure	Element:	No
		Data Type:	BL
		Precision:	
		Selection Type:	Single
		Unit of Measure:	- 5 -
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	leor
			hild Validation
		Attempted	ioprosthetic Valve Fracture
		Operator: Equal Value: Yes	
Coding Instruction:	Indicate the access site for the valve sheath.		112000001293
-	The value on current procedure	Code System Name:	ACC NCDR
. a. got ta.aoi		Short Name:	TVTAccessSite
		Missing Data:	Report
		Harvested:	Yes (BDS, TAVR)
		Is Identifier:	No
		Is Base Element:	
		Is Followup	
		Element:	NU
		Data Type:	CD
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
		Parent/C	hild Validation
			ranscatheter Valve Therapy
		Procedure 7	Гуре
		Operator: Equal	
		Value: TAVR	
alve Sheath Access Site - 1.3	.6.1.4.1.19376.1.4.1.6.5.506		
election D	Definition Source		ode Code System N
	Definition Source	C 67937 32062	7003 SNOME

Axillary Artery	67937003	SNOMED CT
Carotid	32062004	SNOMED CT
Direct Aortic	112000001957	ACC NCDR
Femoral Artery	7657000	SNOMED CT
lliac	11200000893	ACC NCDR
Subclavian Artery	36765005	SNOMED CT
Transapical	112000001295	ACC NCDR
Transcaval	112000001299	ACC NCDR
Transseptal via Femoral Vein	112000001296	ACC NCDR
Other	100000351	ACC NCDR





	Value Chaeth Assess Cite Method	Technical Specification
Element: 13508	Valve Sheath Access Site Method	Code: 112000001300
Coding Instruction:	Indicate the access method used to deliver the valve sheath.	Code System Name: ACC NCDR
Target Value:	The value on current procedure	
		Short Name: TVTAccessMethod
		Missing Data: Report
		Harvested: Yes (TAVR) Is Identifier: No
		Is Base Element: Yes
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TAVR
Valva Shaath Aaaaaa Sita Mat	hod - 1.3.6.1.4.1.19376.1.4.1.6.5.507	
	Definition Source	Code Code System Nan
Percutaneous Approach		103388001 SNOMED
Cutdown		112000001301 ACC NCE
Mini Sternotomy		112000001303 ACC NCE
Mini Thoracotomy		112000001302 ACC NCE
Other		100000351 ACC NCD
Element: 13509	Valve Sheath Delivery Size	Technical Specification
Coding Instruction:	Indicate the size, in french, of the valve sheath delivery system.	Code: 112000001304
-		Code System ACC NCDR Name:
Target value:	The value on current procedure	Short Name: ValveSheathDelivery
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element: ^{NO} Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: Fr
		Default Value: Null
		Default value. Null
		Usual Range: 14 - 32 Fr
		Usual Range: 14 - 32 Fr Valid Range: 5 - 40 Fr
		Usual Range: 14 - 32 Fr
		Usual Range: 14 - 32 Fr Valid Range: 5 - 40 Fr
		Usual Range: 14 - 32 Fr Valid Range: 5 - 40 Fr Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
		Usual Range: 14 - 32 Fr Valid Range: 5 - 40 Fr Data Source: User Parent/Child Validation





Section: TAVR	Parent: Procedur	Parent: Procedure Information		
ement: 13510	Embolic Protection Deployed	Technical Specification		
Coding Instruction:	Indicate if embolic protection was used during the procedure.	Code: 112000001305		
-	The value on current procedure	Code System Name: ACC NCDR		
C C	·	Short Name: EmbProt		
		Missing Data: Report		
		Harvested: Yes (BDS, TAVR)		
		Is Identifier: No		
		Is Base Element: Yes		
		Is Followup Element: No		
		Data Type: BL		
		Precision:		
		Selection Type: Single		
		Unit of Measure:		
		Default Value: Null		
		Usual Range:		
		Valid Range:		
		Data Source: User		
		Parent/Child Validation		
		Element: 14273 Transcatheter Valve Therapy		
		Procedure Type		
		Operator: Equal Value: TAVR		
ement: 13511	Embolic Protection Device	Operator: Equal Value: TAVR Technical Specification		
	Embolic Protection Device Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 112000001306		
Coding Instruction:		Operator: Equal Value: TAVR Technical Specification Code: 112000001306 Code System Name: ACC NCDR		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: Short Name: EmbProtDevice		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: Short Name: EmbProtDevice Missing Data: Report		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR)		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 112000001306 Code System Name: Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 112000001306 Code System Name: ACC NCDR Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: ACC NCDR Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: ACC NCDR Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Is Base Element: Yes Is Followup Element: No Data Type: CD		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: ACC NCDR Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Colspan="2">Col		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: ACC NCDR Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List)		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System ACC NCDR Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: CD Precision: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range:		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 112000001306 Code System Name: ACC NCDR Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Element: Yes Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Parent/Child Validation		
Coding Instruction:	Indicate the embolic protection device used during the procedure.	Operator: Equal Value: TAVR Technical Specification Code: 11200001306 Code System Name: ACC NCDR Short Name: EmbProtDevice Missing Data: Report Harvested: Yes (BDS, TAVR) Is Is dentifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User		





Element: 14304	Aortic Valve Regurgitation	т	Fechnical Sp	ecification
Coding Instruction:	Indicate the severity of aortic valve regurgitation.		Code: 602340	000
-		Codes	System Name: SNOME	ED CT
l'arget value:	The last value between the implant and the end of current procedure		t Name: AVR_F	
			ng Data: Report	
		Har	rvested: Yes (T	AVR)
			entifier: No	
			Element: Yes	
		E	ollowup Element: ^{No}	
			ta Type: CD	
		Pre	ecision:	
			on Type: Single	
		Unit of Me	leasure: It Value: Null	
			I Range:	
			Range:	
			Source: User	
		Р	Parent/Child	Validation
		Element: 14		theter Valve Therapy
			Procedure Type	
		Operator: Ed		
election	1.3.6.1.4.1.19376.1.4.1.6.5.767 Definition Source	Value: T/	AVR Code 112000001910	
		value: 17		Codo Sustam Nar
Selection E None		1	Code 112000001910	Code System Nan ACC NCI
Selection E None Trace/Trivial		1	Code 112000001910 112000001911	ACC NCI
Selection C None Frace/Trivial /lild		- 1 1 1	Code 112000001910 112000001911 112000000380	ACC NCI ACC NCI ACC NCI
Selection C None Frace/Trivial Ailid Aoderate		- 1 1 1 1	Code 112000001910 112000001911	ACC NC ACC NC ACC NC ACC NC
Selection C None Trace/Trivial Mild Aoderate Severe	Definition Source	1 1 1 1 1	Code 11200001910 11200001911 11200000380 11200000381 11200000382	ACC NC ACC NC ACC NC ACC NC ACC NC
Selection C None Trace/Trivial Alild Moderate Severe		1 1 1 1 1	Code 11200001910 11200001911 11200000380 11200000381 11200000382 Technical Spo	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303	Definition Source	1 1 1 1 1 1 7	Code 11200001910 11200000380 11200000381 11200000382 Technical Spr Code: 112000	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient	1 1 1 1 1 1 7	Code 11200001910 11200001911 11200000380 11200000381 11200000382 Technical Spo	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398
Selection C None Trace/Trivial Aild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000381 11200000382 Technical Spr Code: 112000 System Name: ACC N t Name: PostIm	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR plant_AVMeanGrad
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000381 11200000382 Fechnical Spr Code: 112000 System Name: *t Name: Postim ng Data: Report	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI Ecification 0001398 CDR plant_AVMeanGrad
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 Code S Short Missin Har	Code 112000001910 11200000380 11200000381 11200000382 Fechnical Spr Code: 11200 System Name: PostIm ng Data: Report rvested: Yes (T	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR plant_AVMeanGrad
Selection C None Trace/Trivial Aild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 112000001910 11200000380 11200000381 11200000382 Technical Spr Code: 11200 System Name: PostIm ng Data: Report rvested: Yes (T entifier: No	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR plant_AVMeanGrad
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000381 11200000382 Technical Spr Code: 112000 System Name: ACC N Name: PostIm ng Data: Report rvested: Yes (T entifier: No Element: Yes	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR plant_AVMeanGrad
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000381 11200000382 Technical Sp. Code: 112000 System Name: ACC N. Name: PostIm ng Data: Report rvested: Yes (T entifier: No Element: Yes ollowup No	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR plant_AVMeanGrad
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	i 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000381 11200000382 Technical Spr Code: 112000 System Name: ACC N Name: PostIm ng Data: Report rvested: Yes (T entifier: No Element: Yes ollowup No Element: PQ	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR plant_AVMeanGrad
Selection C None Trace/Trivial Aild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	i 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000381 11200000382 Technical Spr Code: 112000 System Name: ACC N Name: PostIm ng Data: Report rvested: Yes (T entifier: No Element: Yes ollowup Sement: Post ta Type: PQ ecision: 3,0	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR plant_AVMeanGrad
Selection C None Trace/Trivial Aild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000380 11200000381 11200000382 Technical Spr Code: 112000 System Name: ACC N Name: ACC N Name: PostIm ng Data: Report rvested: Yes (T entifier: No Element: Ves ollowup No Element: No Element: No Element: No Element: Single	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR nplant_AVMeanGrad
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000381 11200000382 Technical Spr Code: 112000 System Name: ACC N Name: PostIm ng Data: Report rvested: Yes (T entifier: No Element: Yes ollowup Sement: Post ta Type: PQ ecision: 3,0	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR nplant_AVMeanGrad
Selection C None Trace/Trivial Aild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 11200001910 11200000380 11200000380 11200000381 11200000382 Fechnical Spr Code: 112000 System ACC N Name: ACC N Name: ACC N Name: ACC N Name: No Element: Yes (T entifier: No Element: No Element: No Element: No ta Type: PQ ecision: 3,0 on Type: Single leasure: mm[Hg	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI ecification 0001398 CDR Iplant_AVMeanGrad AVR)
Selection C None Trace/Trivial Mild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 112000001910 11200000380 11200000381 11200000382 Technical Spr Code: Tocold: System ACC N Name: Postim ACC N that: rowsted: Yes (Tentifier: No ta Type: Element: No ta Type: Sigle Possingle teasure: mg Hz Income: Single tasure: Income: Single tasure: Income: Tange: Single tasure: Income: Inconge:	ACC NCI ACC NCI ACC NCI ACC NCI ACC NCI COR Iplant_AVMeanGrad AVR)
ielection C lone irace/Trivial fild Moderate Severe Element: 14303 Coding Instruction:	Source Aortic Valve Mean Gradient Indicate the highest documented mean gradient (in mm Hg) across the aortic valve.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Code 112000001910 11200000380 11200000381 11200000382 Technical Spr Code: 112000 System Name: ACC N Name: ACC N Name: PostIm ng Data: Report rvested: Yes (T rvested: Yes (T rvested: Yes (T entifier: No Element: Yes ollowup Element: No ta Type: PQ ecision: 3,0 on Type: Single leasure: mm[Hg It Value: Null I Range: 5 - 50 r	ACC NC ACC NC ACC NC ACC NC ACC NC ecification 0001398 CDR Iplant_AVMeanGrad AVR)

Operator: Equal Value: TAVR





Section: TAVR Devices	Parent: TAVR	
Element: 13524	Transcatheter Aortic Valve Replacement Device Counter	Technical Specification
Cadina Instruction.		Code: 2.16.840.1.113883.3.3478.4.8
Coding Instruction:	This is a software-assigned value. The counter will start at one and be incremented by one for each device or system used.	Code System ACC NCDR Name:
Target Value:	N/A	Short Name: TAVRDevCounter
		Missing Data: Illegal
		Harvested: Yes (BDS, TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element: TV
		Data Type: CTR Precision: 3
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: 1 - 999
		Data Source: Automatic
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TAVR
		AND
		AND AND Element: 13505 Procedure Aborted
		Element: 13505 Procedure Aborted Operator: Equal
		Element: 13505 Procedure Aborted
Element: 14485	Transcatheter Aortic Valve Replacement Device ID	Element: 13505 Procedure Aborted Operator: Equal Value: No
	Transcatheter Aortic Valve Replacement Device ID	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 112000001805
	Transcatheter Aortic Valve Replacement Device ID Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 112000001805
Coding Instruction:		Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceID
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceID Missing Data: Illegal
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TAVR)
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Code: 11200001805 Code System Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Code: 11200001805 Code System Name: ACC NCDR ACC NCDR ACC NCDR Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Code: 11200001805 Code System Name: ACC NCDR ACC NCDR ACC NCDR Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceID Missing Data: Ilegal Harvested: Yes Is Identifier: No Is Followup Element: No Data Type:
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Procedure Aborted Procedure Aborted Procedure Aborted Procedure Aborted Procedure Aborted Procedure Aborted ACC NCDR ACC NCDR ACC NCDR ACC NCDR ACC NCDR ACC NCDR Is Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision:
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes Is Identifier: No Is Followup No Data Type: CD Precision: Selection Type: Single (Dynamic List)
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 11200001805 Code System Name: ACC NCDR Name: Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes Is Hoentifier: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure:
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 11200001805 Code System ACC NCDR Name: ACC NCDR Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Followup No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null
-	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Procedure Aborted Code: 11200001805 Code System Name: ACC NCDR ACC NCDR ACC NCDR Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Procedure Aborted Operator: Equal Value: No Procedure Aborted Precision Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate the device ID of the aortic valve.	Element: 13505 Procedure Aborted Operator: Equal Value: No Technical Specification Code: 112000001805 Code System Name: Short Name: TAVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: Yes Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13524 Transcatheter Aortic Valve





Section: TAVR Devices	Parent: TAVR	
Element: 14532	Transcatheter Aortic Valve Replacement Device Diameter	Technical Specification
	Indicate the transcatheter aortic valve replacement device diameter (in mm).	Code: 11200001805
-		Code System Name:
larget value:	The value on current procedure	Short Name: TAVRDeviceDia
		Missing Data: Report
		Harvested: Yes (BDS, TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single Unit of Measure: mm
		Default Value: Null
		Usual Range: 10 - 36 mm
		Valid Range: 5 - 100 mm
		Data Source: User
		Parent/Child Validation
		Element: 14485 Transcatheter Aortic Valve
		Replacement Device ID
		Operator:
		Value: Any Value
lement: 13534	Device Capture and Repositioning Performed	Technical Specification
Coding Instruction:	Indicate if device capture and repositioning was performing during the proced	lure. Code System
Target Value:	The value on current procedure	Code System Name: ACC NCDR
raiget value.		Short Name: TVTDeviceRepositioning
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: CD Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13535 Device Capture and Reposition
		Performed Not Applicable
		Operator: Equal
		Value: No (or Not Answered)
		Element: 13524 Transcatheter Aortic Valve Replacement Device Counter
		Operator:
		Value: Any Value
	1 10276 1 4 1 6 5 444	
oolean w/Unknown - 1.3.6.1.4 election	.1.193/6.1.4.1.6.5.444 Definition Source	Code Code System N

Boolean W/Unknow	Boolean W/Unknown - 1.3.6.1.4.1.193/6.1.4.1.6.5.444				
Selection	Definition	Source	Code	Code System Name	
No			100013073	ACC NCDR	
Yes			100013072	ACC NCDR	





Section: TAVR Devices		
Element: 13535	Device Capture and Repositioning Performed Not Applicable	Technical Specification
Coding Instruction:	Indicate if performing a device capture and repositioning was not applicable.	Code: 63653004 Code System Name: SNOMED CT
Target Value:	N/A	Name: SNOMED CT
		Short Name: TVTDeviceRepositioningNA
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No Is Base Element: Yes
		ls Followup
		Element: No
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Operator: Equal
		Value: TAVR
		AND
		AND
		AND
		AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter
Element: 13536	Transcatheter Aortic Valve Replacement Device Implanted Successfully	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value
	Transcatheter Aortic Valve Replacement Device Implanted Successfully	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805
	Transcatheter Aortic Valve Replacement Device Implanted Successfully Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR
-	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceImplantSucces
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceImplantSucces Missing Data: Report
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR ACC NCDR Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR ACC NCDR Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR ACC NCDR Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: ACC NCDR Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical location.	AND Element: 13524 Transcatheter Aortic Valve Replacement Device Counter Operator: Value: Any Value Technical Specification Code: 11200001805 Code System Name: Short Name: TAVRDeviceImplantSucces Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13524 Transcatheter Aortic Valve





Section: TAVR Devices	Parent: TAVR		
	Reason Transcatheter Aortic Valve Replacement Device Not Implanted	Technical Specifica	ation
Element: 13539	Successfully	Code: 11200002014	4
Coding Instruction:	Indicate the reason the device was not implanted successfully.	Code System Name: ACC NCDR	
-		Name: Short Name: TAVR_Unsuc	cossful
larget value:	The value on current procedure	Missing Data: Report	Cessiui
		Harvested: Yes (TAVR)	
		Is Identifier: No	
		Is Base Element: Yes	
		Is Followup No	
		Element: TO Data Type: CD	
		Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Valida	tion
		Element: 13536 Transcatheter A	
		Replacement Device Impla Successfully	anted
		Operator: Equal	
		Value: No	
	Reason Device Not Implanted Successfully - 1.3.6.1.4.1.19376.1.4.1.6.5.512 Definition Source	Code Cod	le System Na
Device Embolization		112000001324	ACC N
mproper Device Positioning		112000001325	ACC N
mproper Device Sizing		112000001326	ACC N
Other		100000351	ACC NO
Element: 14286	Transcatheter Aortic Valve Replacement Device Serial Number	Technical Specifica	
Coding Instruction:	Indicate the device transcatheter aortic valve replacement device serial number.	Code: 11200001805	5
-	The value on current procedure	Code System Name: ACC NCDR	
laiget value.	The value of current procedure	Short Name: TAVRDeviceS	N
		Missing Data: Report	
		Harvested: Yes (BDS, TA	VR)
		Is Identifier: No	
		Is Base Element: Yes	
		Is Followup Element: No	
		Data Type: ST	
		Precision: 30	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Valida	
		Element: 13536 Transcatheter A Replacement Device Impla	
		Successfully	
		Operator: Equal	
		Value Yes	

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Value: Yes





Section: TAVR Devices	Parent: TAVR	
Element: 14572	Transcatheter Aortic Valve Unique Device ID	Technical Specification
Coding Instruction: Target Value:	Transcatheter Aortic Valve Unique Device ID Indicate the full unique device identifier (UDI) for the implanted device. The value on current procedure Unique Device Identifier (UDI) An identifier that is the main (primary) lookup for a medical device product and meets the requirements to uniquely identify a device through its distribution and use. This value is supplied to the FDA by the manufacturer. Source: US FDA	Technical Specification Code: 2.16.840.1.113883.3.3719 Code System Name: ACC NCDR Short Name: TAV_UDI Missing Data: Report Harvested: Yes (BDS, TAVR) Is Identifier: No Is Followup No Element: Yes Data Type: ST Precision: 150 Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range:
		Data Source: User Parent/Child Validation Element: 13536 Transcatheter Aortic Valve Replacement Device Implanted Successfully Operator: Equal Value: Yes





Section: TMVr	Parent: Procedure Information				
Element: 13792	Mitral Leaflet Clip Procedure Indication			-	cification
Coding Instruction	: Indicate the indication(s) for the mitral leaflet clip procedure.		Code: Code System	: 1120000	
Target Value	: The last value on current procedure		Name		DR
5	·		Short Name	: MRRIndia	cation
Vendor Instruction	: When Transcatheter Valve Therapy Procedure Type (14273) is Eq Leaflet Clip Procedure Indication (13792) cannot be Null	ual to (TMVr) then Mitral	Missing Data	: Report	
	Leaner Clip Procedure Indication (13792) cannot be Null		Harvested	: Yes (BD	S, TMVrpr)
			Is Identifier:		
			Is Base Element	: Yes	
			ls Followup Element	No	
			Data Type		
			Precision		
			Selection Type:	Multiple	
			Unit of Measures	:	
			Default Value	: Null	
			Usual Range		
			Valid Range		
			Data Source	: User	
			Parent/	/Child V	alidation
					eter Valve Therapy
			Procedure	е Туре	
Mitral Loaflat Clip Brooodurg	Indications 1 2 6 1 4 1 10276 1 4 1 6 5 559		Operator: Equal Value: TMVr		
Selection	Indications - 1.3.6.1.4.1.19376.1.4.1.6.5.558 Definition Source		Value: TMVr	Code	Code System Nam
Selection Refractory to Guideline Determined Optimal Medical			Value: TMVr		Code System Nam ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Fherapy			Value: TMVr 1120000	01944	ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Fherapy Frailty			Value: TMVr 1120000 2482	01944	ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Fherapy Frailty Hostile Chest			Value: TMVr 1120000 2482 1120000	01944 79007 01489	ACC NCD SNOMED C ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Fherapy Frailty			Value: TMVr 1120000 2482	01944 79007 01489	ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Fherapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease			Value: TMVr 1120000 2482 1120000	01944 79007 01489 01490	ACC NCD SNOMED C ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Fherapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease	Definition Source		Value: TMVr 1120000 2482 1120000 1120000	01944 79007 01489 01490 01482	ACC NCD SNOMED C ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo		Value: TMVr 1120000 2482 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Trailty dostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery.		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175 01483	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175 01483	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Trailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery.		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175 01483	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV Replacement ROM Greater	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative Mortality Risk is >=8% for a patient deemed likely to		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175 01483 01484	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV Replacement ROM Greater han or Equal to 8 Percent	Definition Source Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative Mortality Risk is >=8% for a patient deemed likely to undergo mitral valve replacement surgery. Right Ventricular Dysfunction with Severe Tricuspid		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175 01483 01484 01486	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV Replacement ROM Greater han or Equal to 8 Percent RVD with Severe TR	Definition Source Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative Mortality Risk is >=8% for a patient deemed likely to undergo mitral valve replacement surgery. Right Ventricular Dysfunction with Severe Tricuspid		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175 01483 01484 01486 01487	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV Replacement ROM Greater han or Equal to 8 Percent RVD with Severe TR Major Bleeding Diathesis	Definition Source Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative Mortality Risk is >=8% for a patient deemed likely to undergo mitral valve replacement surgery. Right Ventricular Dysfunction with Severe Tricuspid		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175 01483 01484 01486 01487	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV Replacement ROM Greater han or Equal to 8 Percent RVD with Severe TR Major Bleeding Diathesis Chemotherapy for Malignancy	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative Mortality Risk is >=8% for a patient deemed likely to undergo mitral valve replacement surgery. Right Ventricular Dysfunction with Severe Tricuspid Regurgitation.		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000	01944 79007 01489 01490 01482 01175 01483 01484 01486 01486 01487 01491 79008	ACC NCD SNOMED C ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV Replacement ROM Greater han or Equal to 8 Percent RVD with Severe TR Major Bleeding Diathesis Chemotherapy for Malignancy MDS	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative Mortality Risk is >=8% for a patient deemed likely to undergo mitral valve replacement surgery. Right Ventricular Dysfunction with Severe Tricuspid Regurgitation.		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000 624	01944 79007 01489 01490 01482 01175 01483 01483 01484 01486 01486 01487 01491 79008 01492	ACC NCD SNOMED C ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV Replacement ROM Greater han or Equal to 8 Percent RVD with Severe TR Major Bleeding Diathesis Chemotherapy for Malignancy NDS mmobility	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative Mortality Risk is >=8% for a patient deemed likely to undergo mitral valve replacement surgery. Right Ventricular Dysfunction with Severe Tricuspid Regurgitation.		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000 624 1120000	01944 79007 01489 01490 01482 01175 01483 01483 01484 01486 01486 01487 01491 79008 01492 01488	ACC NCD SNOMED C ACC NCD ACC NCD
Selection Refractory to Guideline Determined Optimal Medical Therapy Frailty Hostile Chest Severe Pulmonary Hypertension Severe Liver Disease Cirrhosis or MELD score >12) Porcelain Aorta Predicted STS MV Repair ROM Greater than or Equal to 6 Percent Predicted STS MV Replacement ROM Greater han or Equal to 8 Percent RVD with Severe TR Major Bleeding Diathesis Chemotherapy for Malignancy MDS mmobility High Risk of Aspiration	Definition Source The patient has a history of cirrhosis or a "Model For End-Stage Liver Disease" (MELD) score >12 points. Predicted STS Mitral Valve Repair Operative Mortality Risk is >=6% for a patient deemed likely to undergo mitral valve repair surgery. Predicted STS Mitral Valve Replacement Operative Mortality Risk is >=8% for a patient deemed likely to undergo mitral valve replacement surgery. Right Ventricular Dysfunction with Severe Tricuspid Regurgitation.		Value: TMVr 1120000 2482 1120000 1120000 1120000 1120000 1120000 1120000 1120000 1120000 624 1120000 624 1120000	01944 79007 01489 01490 01482 01482 01483 01483 01484 01486 01487 01484 01486 01487 01491 79008 01492 01488 01914	ACC NCD SNOMED C ACC NCD ACC NCD





Element: 13794	Guiding Catheter Access Site	Technical Specification
		Code: 112000001495
	Indicate the leaflet clip guiding catheter access site.	Code System ACC NCDR Name:
l'arget Value:	The value on current procedure	Short Name: LeafAccess
		Missing Data: Report
		Harvested: Yes (BDS, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TMVr
Guiding Catheter Access Site	- 1.3.6.1.4.1.19376.1.4.1.6.5.560	
	Definition Source	Code Code System Na
Right Femoral Vein		767174009 SNOMED
Left Femoral Vein Jugular Vein		767173003 SNOMED 63190004 SNOMED
Other Vein		100000351 ACC NC
Element: 13795	Steerable Guide Cath Device ID	Technical Specification
Coding Instruction:	Indicate the steerable guide cath device ID utilized.	Code: 112000001496
Target Value:	The value on current procedure	Code System Name: ACC NCDR
-		Short Name: SGCDeviceID
		Missing Data: Report
		Harvested: Yes (TMVrpr) Is Identifier: No
		Is Base Element: Yes
		Is Base Element: Yes Is Followup _{No}
		Is Base Element: Yes Is Followup Element: Data Type: CD Precision:
		Is Base Element: Yes Is Followup Element: Data Type: CD Precision: Selection Type: Single (Dynamic List)
		Is Base Element: Yes Is Followup Element: Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure:
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range:
		Is Base Element: Yes Is Followup Element: Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null
		Is Base Element: Yes Is Followup Element: Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range:
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy
		Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation





lement: 13796	Steerable Guide Catheter Serial Number	Technical Specification
	····	Code: 112000001496
-	Indicate the manufacturer serial number for the steerable guide used during the procedure. The value on current procedure	Code System Name: ACC NCDR
Target Value.		Short Name: MRR_GuideSerNo
		Missing Data: Report
		Harvested: Yes (TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: ST
		Precision: 30
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13795 Steerable Guide Cath Device
		Operator:
		Value: Any Value





Section: Mitral Leaflet D	evices Parent: TMVr	
Element: 13533	Mitral Repair Device Counter	Technical Specification
Coding Instruction:	This is a software-assigned value. The counter will start at one and be incremented by one each device or system used.	e for Code: 2.16.840.1.113883.3.3478.4.8 Code System Name: ACC NCDR
Target Value:		Name: Active Nebra
raiget value.		Missing Data: Illegal
		Harvested: Yes (BDS, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element: No
		Data Type: CTR
		Precision: 3
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: 1 - 999
		Data Source: Automatic
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr
		AND
		Element: 13505 Procedure Aborted
		Operator: Equal
		Value: No
Element: 13797	Mitral Popair Davisa ID	Technical Specification
Liement. 13/9/	Mitral Repair Device ID	Code: 11200002005
-	Indicate all mitral repair device IDs utilized. The value on current procedure	Code System Name: ACC NCDR
Taiget value.	The value of current procedure	Short Name: MRepairDeviceID
		Missing Data: Illegal
		Harvested: Yes (BDS, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element: NO
		Data Type: CD
		Precision:
		Selection Type: Single (Dynamic List)
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13533 Mitral Repair Device Counter
		Operator: Value: Any Value





Element: 13798	Mitral Repair Serial Number	Technical Specification
Coding Instruction:	Indicate the serial number of the mitral repair device.	Code: 112000002005
-	The value on current procedure	Code System Name: ACC NCDR
		Short Name: MRepairNum Missing Data: Report Harvested: Yes (BDS, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13799 Mitral Repair Device Implante Successfully Operator: Equal Value: Yes
Element: 14574	Mitral Repair Unique Device ID	Technical Specification
	Indicate the full unique device identifier (UDI) for the implanted device.	Code: 2 16 840 1 113883 3 3719
-	The value on current procedure	Code System Name:
-	Unique Device Identifier (UDI)	Short Name: MRepair_UDI
	An identifier that is the main (primary) lookup for a medical device product and meets the requirements to uniquely identify a device through its distribution and use. This value is supplied to the FDA by the manufacturer.	Missing Data: Report Harvested: Yes (BDS, TMVrpr) Is Identifier: No





Section: Mitral Leaflet D	Devices	Parent: TMVr		
Element: 13800	Mitral Valve Repair Location		Technica	I Specification
Coding Instruction	Indicate the location on the mitral valve where the lea	flat alia waa attaabad		12000002050
-		net cip was attached.	Code System Name:	CC NCDR
l'arget value:	The value on current procedure		Short Name: M	
			Missing Data: R	-
			-	es (BDS, TMVrpr)
			Is Identifier: N	
			Is Base Element: Y	es
			ls Followup Element: N	0
			Data Type: C	D
			Precision:	
			Selection Type: S	ingle
			Unit of Measure:	
			Default Value: N	ull
			Usual Range:	
			Valid Range:	
			Data Source: U	ser
			Parent/Ch	nild Validation
			Element: 13533 Mit	ral Repair Device Counter
			Operator:	
			Value: Any Value	
litral Leaflet Clip Procedure L	-ocation - 1.3.6.1.4.1.19376.1.4.1.6.5.709			
Selection D	Definition	Source	Co	de Code System N
	The mitral leaflet clip was attached to the A1P1 position in the anterior and posterior mitral valve leaflets.		1120000018	347 ACC N

Selection	Deminion	Jource	Coue	Code System Name
A1/P1	The mitral leaflet clip was attached to the	A1P1 position	112000001847	ACC NCDR
	on the anterior and posterior mitral valve	leaflets.		
A2/P2	The mitral leaflet clip was attached to the	A2P2 position	112000001848	ACC NCDR
	on the anterior and posterior mitral valve	leaflets.		
A3/P3	The mitral leaflet clip was attached to the	A3P3 position	112000001849	ACC NCDR
	on the anterior and posterior mitral valve	leaflets.		
Other Location	Mitral leaflet clip was attached to a location	on on the	112000001850	ACC NCDR
	anterior and posterior mitral leaflets that i	s not		
	otherwise specified.			

Element: 13799 Mitral Repair Device Implanted Successfully

Coding Instruction: Indicate if the mitral repair device was successfully deployed.

Target Value: The value on current procedure

Technical Specification Code: 112000002015 Code System Name: ACC NCDR Short Name: MRR_LeafletClipDeploy Missing Data: Report Harvested: Yes (BDS, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation

Element: 13533 Mitral Repair Device Counter Operator: Value: Any Value





Devices	Parent: TMVr		
Reason Mitral Repair Device Not Implanted S	uccessfully	Technical Sp	ecification
		Code: 112000	002014
, .	ot deployed.	Code System ACC NC	DR
The value on current procedure			afletClinReasonNotDenl
			anetonpreason to bepr
		Harvested: Yes (TM	lVrpr)
		Is Identifier: No	
		Is Base Element: Yes	
		Is Followup No	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		-	
		Data Source: User	
		Parent/Child	
			epair Device Implanted
Deployed - 1 3 6 1 4 1 19376 1 4 1 6 5 561		I	
• •	Source	Code	Code System Nam
		112000001505	ACC NCE
		112000001504	ACC NCE
		112000001501	ACC NCI
		112000001502	ACC NC
		112000001503	ACC NC
		79619009	SNOMED
		10000051	
		100000351	ACC NCE
	Reason Mitral Repair Device Not Implanted S Indicate the reason why the mitral repair device was n The value on current procedure	Reason Mitral Repair Device Not Implanted Successfully Indicate the reason why the mitral repair device was not deployed. The value on current procedure Deployed - 1.3.6.1.4.1.19376.1.4.1.6.5.561	Reason Mitral Repair Device Not Implanted Successfully Technical Sp Indicate the reason why the mitral repair device was not deployed. Code: 112000 The value on current procedure Short Name: MRR_LE Missing Data: Report Harvested: Yes (IL) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Element: 13799 Deployed - 1.3.6.1.4.1.19376.1.4.1.6.5.561 Source Definition Source Code 11200001502 11200001502 11200001502 11200001502

lement: 13802	Mitral Leaflet Clip Deployed then Removed	Technical Specification
Codina Instructions		Code: 11200002005
Coding instruction:	Indicate if the leaflet clip was removed after it was deployed.	Code System Name: ACC NCDR
Target Value:	The value on current procedure	Short Name: MRR_ClipRemoved
		Missing Data: Report
		Harvested: Yes (TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13799 Mitral Repair Device Implanted Successfully
		Operator: Equal
		Value: Yes





Section: TMVR	Parent: Procedure Information			
Element: 13754	Transcatheter Mitral Valve Replacement Type	Technical Specification		
Coding Instruction:	Indicate the transcatheter mitral valve replacement procedure type.	Code: 112000001458 Code System Name: ACC NCDR		
Target Value:	The value on current procedure			
Vendor Instruction:	When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TMVR) then Transcatheter Mitral Valve Replacement Type (13754) cannot be Null	Short Name: TMVRType Missing Data: Report Harvested: Yes (BDS, TMVR)		
	Transcatheter Mitral Valve Replacement Type (13754) cannot be (Native Valve) When Procedure History Name (12905) is (Mitral Valve Replacement Surgery) with Procedure History	Is Identifier: No Is Base Element: Yes		
	Occurrence as (Yes) AND	ls Followup Element: ^{No}		
	Mitral Valve Transcatheter Intervention Type (14261) is (Valve in Native Value Procedure OR Valve in Valve Procedure)	Data Type: CD Precision:		
		Selection Type: Single Unit of Measure:		
		Default Value: Null Usual Range:		
		Valid Range: Data Source: User		
		Parent/Child Validation		
		Element: 14273 Transcatheter Valve Therap Procedure Type		
		Operator: Equal Value: TMVR		

Transcatheter Mitral Valve Replacement Types - 1.3.6.1.4.1.19376.1.4.1.6.5.739

Selection	Definition	Source	Code	Code System Name
Native Valve			112000001456	ACC NCDR
Valve-in-Valve			112000001286	ACC NCDR
Valve-in-Ring			112000001938	ACC NCDR

Element: 13755	Mitral Valve Annular Calcification	Technical Specification
Codina Instructions	la diante 16 these was mitted encoder coloification	Code: 251002009
-	Indicate if there was mitral annular calcification. The value on current procedure	Code System Name: SNOMED CT
		Short Name: MVDAnnular_Native
		Missing Data: Report
		Harvested: Yes (TMVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13754 Transcatheter Mitral Valve Replacement Type
		Operator: Equal
		Value: Native Valve





ection: TMVR	Parent: Procedure Information			
ement: 14480	TMVR Bioprosthetic Valve Fracture Attempted	Technical Specification		
Coding Instruction:	Indicate if bioprosthetic valve fracture (BVF) with high pressure balloon dilation was attempted on the previously implanted bioprosthetic valve.	Code: 112000001287 Code System Name:		
		Short Name: TMVR_BVFAttempt		
	Note 1: If pre-implant valvuloplasty or post-implant post dilatation with lower pressure	Missing Data: Report		
	inflations (e.g. a hand inflation up to 4 atm), code no.	Harvested: Yes (TMVR)		
		Is Identifier: No		
	Note 2: If the previously implanted bioprosthetic valve was fractured during the procedure	Is Base Element: Yes		
	(even though BVF was not planned), code yes.	Is Followup		
		Element:		
Target Value:	The value on current procedure	Data Type: BL Precision:		
Supporting Definition:	Bioprosthetic Valve Fracture	Selection Type: Single		
	Bioprosthetic Valve Fracture (BVF) is a technique that uses a high pressure dilatation with	Unit of Measure:		
	intent to purposefully fracture or crack the ring of the previously implanted bioprosthetic valve	Default Value: Null		
	and allow the new implanted valve to more fully expand. This technique requires balloon	Usual Range:		
	pressures of up to 20 atm.	Valid Range:		
	Source: STS/ACC TVT Registry	Data Source: User		
		Parent/Child Validation		
		Element: 13754 Transcatheter Mitral Valve		
		Replacement Type		
		Operator: Equal		
		Value: Valve-in-Valve		
		Element: 13754 Transcatheter Mitral Valve Replacement Type		
		Operator: Equal		
		Value: Valve-in-Ring		
ement: 14481	TMVR Bioprosthetic Valve Fracture Timing	Technical Specification		
Coding Instruction:	Indicate the timing of the bioprosthetic valve fracture.	Code: 112000001287		
		Code System Name: ACC NCDR		
	Note: If BVF was attempted both pre and post valve implant, code both.	Short Name: TMVR_BVFTiming		
		Missing Data: Report		
Target Value:	The value on current procedure	Harvested: Yes (TMVR)		
		Is Identifier: No		
		Is Base Element: Yes		
		Is Followup		
		Element: NO		
		Data Type: CD		
		Precision:		
		Selection Type: Multiple		
		Unit of Measure:		
		Default Value: Null		
		Usual Range:		
		Valid Range:		
		Data Source: User		
		Parent/Child Validation		
		Element: 14480 TMVR Bioprosthetic Valve Fracture Attempted		
		Operator: Equal Value: Yes		
		Value . 100		
ning - 1.3.6.1.4.1.19376.1.4.1	.6.5.729			
election [Definition Source	Code Code System N		

Selection	Definition	Source	Code	Code System Name
Pre Implant			112000001912	ACC NCDR
Post Implant			112000001913	ACC NCDR





Section: TMVR	Parent: Procedure Information				
lement: 14482	TMVR Valve Observed to be Fractured	Technical Specification			
Coding Instruction:	Indicate if the valve was observed to be fractured. Documentation can include any of the following:	Code: 112000001290 Code System Name:			
	 (1) Fluoroscopically by either visualizing the waist of the balloon release and/or the fractured valve ring (if the valve ring is radiopaque); (2) By an audible snap, or 	Short Name: TMVR_ValveFractured Missing Data: Report Harvested: Yes (TMVR)			
	(3) By a sudden drop in the balloon pressure in the absence of balloon rupture.	Is Identifier: No Is Base Element: Yes			
Target Value:	The value on current procedure	Is Followup Element:			
		Data Type: BL Precision:			
		Selection Type: Single Unit of Measure:			
		Default Value: Null Usual Range: Valid Range:			
		Data Source: User			
		Parent/Child Validation Element: 14480 TMVR Bioprosthetic Valve Fracture Attempted Operator: Equal Value: Yes			
ement: 13756	Transcatheter Mitral Valve Replacement Primary Procedure Indication	Technical Specification			
Coding Instruction:	Indicate the primary procedure indication for the TMVR procedure. If more than one indication is present, choose the most significant.	Code: 11200000482 Code System Name: ACC NCDR			
Target Value:	The highest value between 2 months prior to current procedure and current procedure	Short Name: TMVRProcedureInd			
Vendor Instruction:	When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (TMVR) then Transcatheter Mitral Valve Replacement Primary Procedure Indication (13756) cannot be Null	Missing Data: Report Harvested: Yes (BDS, TMVR) Is Identifier: No			
		Is Base Element: Yes Is Followup Element:			
		Data Type: CD Precision:			
		Selection Type: Single Unit of Measure: Default Value: Null			
		Usual Range: Valid Range:			
		Data Source: User			
		Parent/Child Validation Element: 14273 Transcatheter Valve Therap			
		Procedure Type Operator: Equal			
		Value: TMVR			
	placement Primary Procedure Indication - 1.3.6.1.4.1.19376.1.4.1.6.5.553	Codo Codo System N			

Selection	Definition	Source	Code	Code System Name
Mitral Stenosis			112000001459	ACC NCDR
Mitral Regurgitation			48724000	SNOMED CT





Section: TMVR	Parent: Procedure Information			
Element: 13758	Mitral Valve Replacement - Procedure Access Site	Technica	I Specification	
Coding Instruction:	Indicate the access site used to perform the mitral procedure.	Code: 1	12000001474	
-		Code System Name:	ACC NCDR	
Target Value:	The last value on current procedure	Short Name: N		
		Missing Data: R		
		Harvested: Y	es (BDS, TMVR)	
		Is Identifier: N	lo	
		Is Base Element: Y	/es	
		Is Followup Element:	10	
		Data Type: 0	D	
		Precision:	-	
		Selection Type: S	Single	
		Unit of Measure:		
		Default Value: N	lull	
		Usual Range:		
		Valid Range: Data Source: U	lser	
			hild Validation	
		1	anscatheter Valve Therapy	
		Procedure T	уре	
		Operator: Equal	уре	
	eplacement Procedure Access Site - 1.3.6.1.4.1.19376.1.4.1.6.5.556	Operator: Equal Value: TMVR		
Selection I	eplacement Procedure Access Site - 1.3.6.1.4.1.19376.1.4.1.6.5.556 Definition Source	Operator: Equal Value: TMVR	ode Code System Na	
Selection I Fransseptal via Femoral Vein I	•	Operator: Equal Value: TMVR	ode Code System Nar 296 ACC NC	
	•	Operator: Equal Value: TMVR Co 112000001:	ode Code System Nar 296 ACC NC 295 ACC NC	
Selection I Fransseptal via Femoral Vein Fransapical Direct Left Atrium Fransapical	•	Operator: Equal Value: TMVR 112000001: 112000001:	ode Code System Nat 296 ACC NC 295 ACC NC 475 ACC NC	
Selection I Transseptal via Femoral Vein Iransapical	•	Operator: Equal Value: TMVR Cc 112000001: 112000001: 112000001: 1000003:	ode Code System Nat 296 ACC NC 295 ACC NC 475 ACC NC	
Selection I Fransseptal via Femoral Vein Fransapical Direct Left Atrium Direct Left Atrium Dther Element: 13759	Preimplant Balloon Inflation Performed	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC Il Specification 12000001476	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC Il Specification 12000001476	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Preimplant Balloon Inflation Performed	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC Il Specification 12000001476 NCC NCDR ACC NC	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC Il Specification 12000001476 NCC NCDR //VR_MVPreBalloon	
ielection I iransseptal via Femoral Vein iransapical Direct Left Atrium Other Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC Il Specification 12000001476 NCC NCDR //VR_MVPreBalloon Report AVPreBalloon	
ielection I iransseptal via Femoral Vein iransapical Direct Left Atrium Other Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC Il Specification 12000001476 VCC NCDR AVR_MVPreBalloon Report //vrs.	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC Il Specification 12000001476 LCC NCDR MVR_MVPreBalloon Report 'es (TMVR) Io 'es S	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC Il Specification 12000001476 LCC NCDR MVR_MVPreBalloon Report 'es (TMVR) Io 'es S	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Dde Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC 12000001476 ACC NCDR //VR_MVPreBalloon Report res (TMVR) Io /o //o	
ielection I iransseptal via Femoral Vein iransapical Direct Left Atrium Other Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Dde Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC 12000001476 ACC NCDR //VR_MVPreBalloon Report res (TMVR) Io /o //o	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC 12000001476 NCC NCDR AVR_MVPreBalloon Report /es Io 3L	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC 12000001476 Image: Constant of the second secon	
Selection I Transseptal via Femoral Vein Transapical Direct Left Atrium Dther Element: 13759 Coding Instruction:	Definition Source Preimplant Balloon Inflation Performed Indicate if pre-implant balloon inflation was performed.	Operator: Equal Value: TMVR	Ode Code System Na 296 ACC NC 295 ACC NC 475 ACC NC 351 ACC NC 12000001476 NCC NCDR AVR_MVPreBalloon Report /es Io 3L Single	

Valid Range: Data Source: User

Operator: Equal Value: TMVR

Parent/Child Validation Element: 14273 Transcatheter Valve Therapy

Procedure Type





lement: 13760	Significant Hemodynamic Deterioration After Inflation	Technical Specification
Coding Instruction:	Indicate if significant hemodynamic deterioration occurred after inflation. The patient would experience hypotension and pulmonary congestion because balloon inflation of the stenotic valve can cause severe mitral regurgitation.	Code: 112000001477 Code System Name: Short Name: MVR_MVHemDet
Target Value:	The value on current procedure	Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13759 Preimplant Balloon Inflation Performed Operator: Equal Value: Yes
ilement: 13761	Post Implant Balloon Inflation Performed	Technical Specification
Coding Instruction:	Indicate if post-implant balloon inflation was performed.	Code: 112000001478
Target Value:	The value on current procedure	Code System Name: Short Name: ACC NCDR Missing Data: Report Harvested: Yes (TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Thera Procedure Type





- Lama and 40500	Mittel Makes Davies Counter	Technical Specification
Element: 13532	Mitral Valve Device Counter	Code: 2.16.840.1.113883.3.3478.4.8
Coding Instruction:	This is a software-assigned value. The counter will start at one and be incremented by one for each device or system used.	Code System Name: ACC NCDR
Target Value:	N/A	Short Name: MVDevCounter Missing Data: Illegal
		Harvested: Yes (BDS, TMVR) Is Identifier: No
		Is Base Element: Yes
		Element: No Data Type: CTR
		Precision: 3 Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range: 1 - 999
		Data Source: Automatic
		Parent/Child Validation
		Element: 13505 Procedure Aborted Operator: Equal Value: No
		Procedure Type
		Operator: Equal Value: TMVR
Element: 14484	Transcatheter Mitral Valve Replacement Device ID	Operator: Equal Value: TMVR Technical Specification
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Technical Specification Code: 11200001807
Coding Instruction:		Operator: Equal Value: TMVR Technical Specification Code: 11200001807 Code System Name: ACC NCDR Short Name: TMVRDeviceID
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Code: 112000001807 Code System Name: Short Name: TMVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TMVR)
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Code: 112000001807 Code System Name: Short Name: TMVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Code: 112000001807 Code System Name: Short Name: TMVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TMVR) Is Identifier: No
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Technical Specification Code: 112000001807 Code System Name: ACC NCDR Short Name: TMVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Technical Specification Code: 112000001807 Code System Name: ACC NCDR Short Name: TMVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Technical Specification Code: 112000001807 Code System Name: ACC NCDR Short Name: TMVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Technical Specification Code: 112000001807 Code: Store of
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Technical Specification Code: 112000001807 Code System Name: ACC NCDR Short Name: TMVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TMVR) Is Identifier: No Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Null Usual Range: Valid Range: Valid Range: Data Source: User
Coding Instruction:	Indicate the device ID of the mitral valve.	Operator: Equal Value: TMVR Technical Specification Code: 112000001807 Code: 112000001807 Code: 112000001807 Code: System Name: Short Name: TMVRDeviceID Missing Data: Illegal Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range:





Coding Instruction: Indicate the transcatheter mitral valve replacement device diameter (in mm). Code: 1120000181 Target Value: The value on current procedure Short Name: MCC NCDR Short Name: Indicate the transcatheter mitral valve replacement device diameter (in mm). Is Bealt Value: Note Name: MCC NCDR Short Name: Indicate the transcatheter mitral valve replacement Device Serial Number Is Bealt Value: Note Name: N	cation
Index Index Inter Code Sinder proceeded Short Name: TMVRDeviced Missing Data: Report Introvested: Yes (BDS, T Is Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Is Followup Is Soft Name: TMVReplaced Missing Data: Report Harvested: Yes (BDS, T Is Is Identifier: No Is Base Element: Yes Is Base Element: Yes Is Base Is Followup Is Base Is Followup Is Base Is Followup Is Followup Is Followup Is Followup Is Base Is Base Is Followup Is Followup Is Followup Is Base Is Followup Is Followup	,07
Inger vind: The value on outer proceeded Missing Data: Report Harvestad: Yes (BDS, T Is Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Is Followup	
Image: Section 1/100000000000000000000000000000000000	Dia
Is Identifier: No is Base Element: Yes is Followup Data Type: PQ Precision: 3.0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Valid Range: 5 - 100 mm Data Syne: User Parent/Child Valid Element: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Target Value: The value on current procedure Short Name: TW/Replace Missing Data: Report No Is Base Element: Yes Short Name: TW/Replace Missing Data: Report No Element: No Is dentifier: No Is Base Element: Yes Short Name: TW/Replace Missing Data: Report No Element: No Is Base Element: Yes Is Identifier: No Is Base Element: Yes Is Base Element: Yes Short Name: TW/Replace Missing Data: Report Harvested: Yes (RDS, The Precision: 30 Is Identifier: No Is Base Element: Yes <	
Is Base Element: Yes Is Base Element: Yes Is Pollowup No Element: 1000 Data Type: PQ Precision: 30 Selection Type: Single Unit of Measure: Null Usual Range: 10 - 36 mm Data Source: User Default Value: Null Itement: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Technical Specific Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Target Value: Target Value: The value on current procedure Name: TM/Replace: Name: TM/Replace: Name: TM/Replace: Is Base Element: Yes Is Identifier: No Is Base Element: Yes Is Identifier: No Is Base Element: Yes Short Name: TM/Replace: Missing Data: Report Name: Stort Name: TM/Replace: Massing Data: Report Base Element: Yes Is Identifier: No Is Base Element: Yes Is Jestifier: No Solice: Stroit Single: Unit of Measure: Yes Is Identifier: No Unit of Measure: User Default Value: Null Usual Range: Value Range: Value: Null	MVR)
Is Followup Blement: No Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Valid Range: 10 - 36 mm Valid Range: 10 - 36 mm Valid Range: 5 - 100 mm Data Source: User Imment: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Coding Instruction: Target Value: Indicate the transcatheter mitral valve replacement device serial number. Target Value: The value on current procedure Indicate the transcatheter mitral valve replacement device serial number. Code: 1120000188 Code: 975000188 Code: 9750000188 Code: 97500000188 Code: 975000000000000000000000000000000000000	
Image: Section Type: P0 Precision: 3.0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Value Range: 10 - 30 mm Value Range: 10 - 30 mm Value Range: 10 - 30 mm Value Range: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Code System Acc NoDR Name: TMVReplace Massing Data: Report Harvested	
Image: Section Type: P0 Precision: 3.0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10 - 36 mm Value Range: 10 - 30 mm Value Range: 10 - 30 mm Value Range: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Code System Target Value: The value on current procedure Short Name: TMVReplace Maissing Data: Report Harvested	
Precision: 3.0 Selection Type: Single Unit of Measure: mm Default Value: Null Usual Range: 10-38 mm Valid Range: 5-100 mm Data Source: User Parent/Child Valid Element: 14488 Transcatheter Mitral Valve Replacement Device Serial Number Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Target Value: The value on current procedure Short Name: Missing Data: Report Harvested: Yes Is Gentifier: No Is Base Element: Yes Is Gentifier: No Is Base Element: Yes Is Gentifier: No Is Base Element: Yes Is Followup No Element: 30 Selection Type: Single Unit of Measure: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range:	
erment: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Code System ACC NCDR Target Value: The value on current procedure Target Value: Th	
Image: 10 - 36 mm Default Value: Null Usial Range: 5 - 100 mm Data Source: User Parent/Child Valid Element: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Parent/Child Valid Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Target Value: The value on current procedure Value: The value on current procedure Short Name: TMVReplace Missing Data: Report Hortistrie: No Is Base Element: Yes Short Name: TMVReplace Missing Data: Report Terescion: 30 Selection Type: Single Unit of Measure: User Unit of Measure: Default Value: Null Usual Range: Value Replacement Cevice Serial Number	
Image: 10 - 36 mm Valid Range: 5 - 100 mm Valid Range: 5 - 100 mm Data Source: User Parent/Child Valid Element: 14286 Transcatheter Mitral Valve Replacement Device Serial Number Technical Specific Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Target Value: The value on current procedure Short Name: TMVReplace Base Element: Yes Is Identifier: No Is Base Element: Yes Is Identifier: No Is Identifier: No Is Identifier: No Is Source: Yes Short Name: TWReplace Missing Data: Report Harvested: Yes Is Identifier: No Is Base Element: Yes Is Followup Element: Is Identifier: No Is Interve: Intic Alege: Is Identifier: No Is Id	
Valid Range: 5 - 100 nm. Data Source: User Parent/Child Valid Element: 14428 Transcatheter Mitral Valve Replacement Device Serial Number Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Target Value: Transcatheter Mitral Valve Replacement device serial number. Code System Name: Target Value: The value on current procedure Short Name: TMReplace Missing Data: Report Harvested: Ver (BDS, T) Is Identifier: Is Base Element: Yes Is Followup Is Followup Is Belevinit: No Unit of Measure: Ver Valid Range: Valid Range: Value: Ver	
Image:	
Image: Indicate the transcatheter mitral valve replacement Device Serial Number Technical Specific Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Target Value: The value on current procedure Short Name: TMVReplace: Short Name: TMVReplace: Bement: Yes Base Element: Yes Short Name: TMVReplace: Base Element: Yes Stata Serie: Yes Base Element: Yes Base Elemen	
Element: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Technical Specific Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Code: 1120000180 Target Value: The value on current procedure Short Name: CNCR Missing Data: Report Harristic: No Is Base Element: Yes Is Followup No Is Base Element: Yes Stort Name: Trecision: 30 Selection Type: Stort Name: Will Usual Range: Value: Null Usual Range: Value: Null Usual Range: Value: Null	
Replacement Device ID Operator: Value: Any Value Itement: 14288 Transcatheter Mitral Valve Replacement Device Serial Number Technical Specific Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Code System Name: ACC NCDR Target Value: The value on current procedure Short Name: MVReplacem Missing Data: Report Harvested: Yes (BDS, This is Identifier: No Is Base Element: Yes (BDS, This is Followup No Is Base Element: Data Type: Stigle Unit of Measure: Default Value: Null Usaid Range: Valid Range: Valid Range: Valid Range:	dation
Image: Provide the second s	· Mitral Valve
Coding Instruction: Indicate the transcatheter mitral valve replacement device serial number. Target Value: The value on current procedure Short Name: TMVReplaced Missing Data: Report Harvested: Yes (BDS, TM Is Identifier: No Element: Yes Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Valid Range: User	
Short Name: TMVReplaced Missing Data: Report Harvested: Yes (BDS, TM Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Valid	07
Short Name: TMVReplaced Missing Data: Report Harvested: Yes (BDS, TM Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User	
Harvested: Yes (BDS, Th Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Valid	
Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Valid	
Is Base Element: Yes Is Followup Element: Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Valid	
Is Followup Element: No Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: User Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Valid	ementDeviceSN
Element: Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User	ementDeviceSN
Data Type: ST Precision: 30 Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Valid	ementDeviceSN
Precision: 30 Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Valid	ementDeviceSN
Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Valid	ementDeviceSN
Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Valid	ementDeviceSN
Usual Range: Valid Range: Data Source: User Parent/Child Valid	ementDeviceSN
Valid Range: Data Source: User Parent/Child Valid	ementDeviceSN
Data Source: User Parent/Child Valid	ementDeviceSN
Parent/Child Valid	ementDeviceSN
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	ementDeviceSN /MVR) dation
Successfully Operator: Equal	ementDeviceSN MVR)





Section: TMVR Devices	Parent: TMVR	
Element: 14573	Transcatheter Mitral Valve Unique Device ID	Technical Specification
Coding Instruction:	Indicate the full unique device identifier (UDI) for the implanted device	Code: 2.16.840.1.113883.3.3719
-	The value on current procedure	Code System Name: ACC NCDR
-	Unique Device Identifier (UDI)	Short Name: TMV_UDI
Supporting Definition:		Missing Data: Report
	An identifier that is the main (primary) lookup for a medical device product and meets the requirements to uniquely identify a device through its distribution and use. This value is	Harvested: Yes (BDS, TMVR)
	supplied to the FDA by the manufacturer.	Is Identifier: No
	Source: US FDA	Is Base Element: Yes
		Is Followup Element:
		Data Type: ST
		Precision: 150
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13538 Mitral Valve Device Implanted
		Successfully
		Operator: Equal Value: Yes
Element: 13538	Mitral Valve Device Implanted Successfully	Technical Specification
Coding Instruction:	Indicate if there is correct positioning of a single prosthetic heart valve in the proper anatomical	Code: 17107009
	location.	Code System Name: SNOMED CT
Target Value:	The value on current procedure	Short Name: MVDeviceImplantSuccessf
		Missing Data: Report
		Harvested: Yes (BDS, TMVR)
		Is Identifier: No Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation Element: 13532 Mitral Valve Device Counter
		Operator:
		Value: Any Value

Value: Any Value





lamant: 12511	Bessen Mitral Volue Device Net Implement Queses fully	Technical Specification
lement: 13541	Reason Mitral Valve Device Not Implanted Successfully	Code: 11200002014
5	Indicate the reason the device was not implanted successfully.	Code System Name: ACC NCDR
Target value:	The value on current procedure	Short Name: MV_Unsuccessful Missing Data: Report
		Harvested: Yes (TMVR)
		Is Identifier: No Is Base Element: Yes
		Is Followup Element:
		Data Type: CD Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 13538 Mitral Valve Device Implante Successfully
		Operator: Equal Value: No

Selection	Definition	Source	Code	Code System Name
Device Embolization			112000001324	ACC NCDR
Improper Device Positionin	g		112000001325	ACC NCDR
Improper Device Sizing			112000001326	ACC NCDR
Other			100000351	ACC NCDR





Section: TTVP	Parent: Procedure Information		
Element: 13815	Tricuspid Valve Procedure Type	Technical Specification	
Coding Instruction:	Indicate the type of transcatheter tricuspid valve intervention.	Code: 232778005	
-		Code System Name: SNOMED CT	
Target Value:	The value on current procedure	Short Name: TVProcType	
Vendor Instruction:	When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (Tricuspid Valve	Missing Data: Report	
	Procedure) then Tricuspid Valve Procedure Type (13815) cannot be Null	Harvested: Yes (TTVP)	
		Is Identifier: No	
		Is Base Element: Yes	
		Is Followup	
		Element:	
		Data Type: CD	
		Precision:	
		Selection Type: Single Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Validation	
		Element: 14273 Transcatheter Valve Therap	
		Procedure Type	
		Operator: Equal	
		Value: Tricuspid Valve Procedure	
icuspid Valve Procedure Ty	pe - 1.3.6.1.4.1.19376.1.4.1.6.5.564		

Selection	Definition	Source	Code	Code System Name
Annular Reduction			112000001516	ACC NCDR
Direct Leaflet			112000001517	ACC NCDR
Tricuspid Valve Replac	ement		25236004	SNOMED CT

Element: 13816	Tricuspid Valve Replacement Location	Technical Specification
	Indicate the location of the tricuspid valve replacement.	Code: 25236004
-		Code System Name: SNOMED CT
Target value:	The value on current procedure	Short Name: TVLocation
Vendor Instruction:	: Tricuspid Valve Replacement Location (13816) must not be Equal to (Native Valve) when Procedure History Name (12905) is (Tricuspid Valve Replacement OR Tricuspid Valve Replacement - Transcatheter) and the Procedure History Occurrence (14268) is (Yes)	Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13815 Tricuspid Valve Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Replacement
Tricuspid Valve Replacement	Location - 1.3.6.1.4.1.19376.1.4.1.6.5.565	

Tricuspid Valve Replacement Location - 1.3.6.1.4.1.19376.1.4.1.6.5.565

Selection	Definition	Source	Code	Code System Name
Inferior and Superior Vena Cava			112000001522	ACC NCDR
Inferior Vena Cava			64131007	SNOMED CT
Native Valve			112000001519	ACC NCDR
Surgical Ring			112000001521	ACC NCDR
Surgical Valve			112000001520	ACC NCDR





Section: TTVP	Parent: Procedure	e-information
Element: 13817	Tricuspid Valve Repair or Replacement Procedure Indication	Technical Specification
Coding Instruction:	Indicate the primary procedure indication for the tricuspid procedure.	Code: 112000000482
-	The value on current procedure	Code System Name: ACC NCDR
-	·	Short Name: TVProcedureInd
vendor instruction:	When Transcatheter Valve Therapy Procedure Type (14273) is Equal to (Tricuspid Procedure) then Tricuspid Valve Repair or Replacement Procedure Indication (1381	17) cannot
	be Null	Harvested: Yes (TTVP) Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element.
		Data Type: CD Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal Value: Tricuspid Valve Procedure
		value. Thouspid value Thousure
	Diacement Procedure Indication - 1.3.6.1.4.1.19376.1.4.1.6.5.566 Definition Source	Code Code System Na
ricuspid Valve Regurgitation		111287006 SNOMEL
Fricuspid Valve Stenosis		49915006 SNOMED
Regurgitation	Tricuspid Valve Procedure Access Site	Technical Specification
		Code: 112000001474
-	Indicate the access site used to perform the procedure.	Code System ACC NCDR
Target Value:	The value on current procedure	Name: TVAccess
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal Value: Tricuspid Valve Procedure
Friguenid Value Paplacement	Brooduro Access Site - 1.2.6.1.4.1.10276.4.4.4.6.5.567	value. Incuspiu valve Flucedule
	Procedure Access Site - 1.3.6.1.4.1.19376.1.4.1.6.5.567 Definition Source	· ·
		· · ·
Selection [Code Code System Na
election E emoral Vein		Code Code System Na 83419000 SNOMED

Other

ACC NCDR

100000351





ment: 13839	Transvenous Right Ventricular Lead Present	Technical Specification
Coding Instruction		Code: 112000001526
-	Indicate if a transvenous right ventricular lead is present. The value on current procedure	Code System Name: ACC NCDR
C C		Short Name: RVLead
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
ment: 13840	Right Ventricular Lead Strategy	Technical Specification
inem. 13640	Right Vehilloular Leau Strategy	Code: 112000001529
-	Indicate the strategy to manage the right ventricular lead.	
-	Indicate the strategy to manage the right ventricular lead. The value on current procedure	Code System Name: ACC NCDR
-		Code System Name: ACC NCDR Short Name: RVLeadStrat
-		Code System Name: ACC NCDR Short Name: RVLeadStrat Missing Data: Report
-		Code System Name: ACC NCDR Short Name: RVLeadStrat Missing Data: Report Harvested: Yes (TTVP)
-		Code System Name: ACC NCDR Short Name: RVLeadStrat Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
-		Code System Name: Short Name: RVLeadStrat Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
-		Code System Name: ACC NCDR Short Name: RVLeadStrat Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
-		Code System Name: Short Name: RVLeadStrat Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
-		Code System Name: Short Name: RVLeadStrat Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
-		Code System Name:ACC NCDRShort Name:RVLeadStratMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Followup Element:NoData Type:CD
-		Code System Name:ACC NCDRName:RVLeadStratMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:Single
-		Code System Name:ACC NCDRName:RVLeadStratShort Name:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:Noll
-		Code System Name:ACC NCDRName:RVLeadStratShort Name:RVLeadStratMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:NullUsual Range:Null
-		Code System Name:ACC NCDRName:RVLeadStratShort Name:ReportHarvested:Yes (TTVP)Harvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesLement:NoData Type:CDPrecision:Selection Type:Selection Type:SingleUnit of Measure:NullUsual Range:Valid Range:
-		Code System Name:ACC NCDRName:RVLeadStratShort Name:RVLeadStratMissing Data:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:NullUsual Range:Null
-		Code System Name: ACC NCDR Name: RVLeadStrat Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Single Unit of Measure: Null Usual Range: Valid Range: Valid Range: User
-		Code System Name:ACC NCDRName:RVLeadStratShort Name:ReportHarvested:Yes (TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoData Type:CDPrecision:SingleUnit of Measure:NullUsual Range:Valid Range:Data Source:User
-		Code System Name: ACC NCDR Name: RVLeadStrat Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Data Type: CD Precision: Selection Type: Selection Type: Single Unit of Measure: Null Usual Range: Valid Range: Valid Range: User Parent/Child Validation Element: 13839

Selection	Definition	Source	Code	Code System Name
Jailed by Transcatheter V	alve		112000001528	ACC NCDR
Lead Removed Prior to Va	alve		112000001527	ACC NCDR
Implant				





ection: TTVP	Parent: Procedure Information		
ement: 13841	Change in Lead Function	Technical Specification	
O a dia a la standia a	The structure of the West Constant and the state of the s	Code: 112000001529	
Coding Instruction:	Indicate if jailing the right ventricular lead led to a change in lead function.	Code System ACC NCDR	
Target Value:	The value on current procedure		
		Short Name: RVLeadFx	
		Missing Data: Report	
		Harvested: Yes (TTVP)	
		Is Identifier: No	
		Is Base Element: Yes	
		Is Followup	
		Element:	
		Data Type: BL	
		Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Validation	
		Element: 13840 Right Ventricular Lead Strate	
		Operator: Equal	
		Value: Jailed by Transcatheter Valve	





Element: 13819	Preimplant Superior Vena Cava Pressure	Technical Specification
Coding Instruction:	Indicate the pressure in the superior vena cava prior to the device implant.	Code: 112000001524
-		Code System Name: ACC NCDR
Target Value:	The value between start of procedure and prior to the intervention	Short Name: SVDPre
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element:
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null Usual Range: 1 - 10 mm[Hg]
		Valid Range: 0 - 35 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13816 Tricuspid Valve Replacement
		Location
		Operator: Equal
		Value: Inferior Vena Cava
		Element: 13816 Tricuspid Valve Replacement Location
		Operator: Equal
		Value: Inferior and Superior Vena Cava
		AND
		Element: 13820 Preimplant Superior Vena Cav
		Element: 13820 Preimplant Superior Vena Cav Pressure Not Documented
		Element: 13820 Preimplant Superior Vena Car
Floment: 12820	Proimplant Superior Vana Cava Proceura Nat Documented	Element: 13820 Preimplant Superior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered)
Element: 13820	Preimplant Superior Vena Cava Pressure Not Documented	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal
	Preimplant Superior Vena Cava Pressure Not Documented Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Ca Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: ACC NCDR
	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: ACC NCDR Short Name: SVDPreND
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Ca Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPreND Missing Data: Report
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: ACC NCDR Short Name: SVDPreND
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: ACC NCDR Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: ACC NCDR Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: ACC NCDR Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: ACC NCDR Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
-	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: ACC NCDR Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: Code System Name: ACC NCDR Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Carressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System ACC NCDR Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: No Data Type: BL Precision: Selection Type:
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Cat Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Carressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System ACC NCDR Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Selection Type: Bata Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: ACC NCDR Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: ACC NCDR Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Code System Name: Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location Operator: Equal Value: Inferior Vena Cava
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location
Coding Instruction:	Indicate if the pressure in the superior vena cava pre-implant was not documented.	Element: 13820 Preimplant Superior Vena Car Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location Operator: Equal Value: Inferior Vena Cava





Section: TTVP Pre-Impl	ant Parent: TTVP	
Element: 13823	Preimplant Inferior Vena Cava Pressure	Technical Specification
Coding Instruction:	Indicate the pressure in the inferior vena cava prior to device implant.	Code: 112000001525
-		Code System Name:
Target Value:	The value between start of procedure and prior to the intervention	Short Name: IVCPre
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: PQ Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 10 mm[Hg]
		Valid Range: 0 - 35 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13816 Tricuspid Valve Replacemen Location
		Operator: Equal
		Value: Inferior Vena Cava
		Element: 13816 Tricuspid Valve Replacemen
		Location
		Operator: Equal Value: Inferior and Superior Vena Cava
		AND
		AND
		Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal
		Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented
lement: 13825	Preimplant Inferior Vena Cava Pressure Not Documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered)
	Preimplant Inferior Vena Cava Pressure Not Documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525
	Preimplant Inferior Vena Cava Pressure Not Documented Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525
		Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525
	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND Missing Data: Report
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Code System Name: ACC NCDR Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525 Code System Name: Code System Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
-	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacemen Location
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacemen Location Operator: Equal
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacemen Location Operator: Equal Value: Inferior Vena Cava
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacemen Location
Coding Instruction:	Indicate if the pressure in the inferior vena cava, pre-implant was not documented	Element: 13825 Preimplant Inferior Vena Cav Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacemen Location Operator: Equal Value: Inferior Vena Cava





Element: 13827	Preimplant Right Atrial Pressure	Technical Specification
Coding Instruction:	Indicate the mean right atrial pressure, pre-implant.	Code: 276755008
-	The value between start of procedure and prior to the intervention	Code System Name: SNOMED CT
Taiget value.	The value between start of procedure and phor to the intervention	Short Name: RAPPre
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: PQ Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 10 mm[Hg]
		Valid Range: 0 - 35 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 14290 Preimplant Right Atrial Press Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therap Procedure Type Operator: Equal Value: Tricuspid Valve Procedure
Element: 14290	Preimplant Right Atrial Pressure Not Documented	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure
Element: 14290	Preimplant Right Atrial Pressure Not Documented	Procedure Type Operator: Equal
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008
	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND Missing Data: Report
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Code: 276755008 Code System Name: Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Code: 276755008 Code System Name: Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Code: 276755008 Code System Name: ShOMED CT Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Name: Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Base Element: No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the mean right atrial pressure is not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup No Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Data Source: User





		Technical Onesitientian
Element: 14281	Preimplant Right Ventricular Systolic Pressure	Technical Specification Code: 276772001
Coding Instruction:	Indicate the right ventricular systolic pressure, preimplant .	Code System Name: SNOMED CT
Tanan Malaa	The surface has to see a first of a second	Short Name: RVSPPre
larget value:	The value between start of procedure and prior to the intervention	Missing Data: Report
Supporting Definition:	RV Systolic Pressure	Harvested: Yes (TTVP) Is Identifier: No
	The maximum pressure exerted into the systemic arterial circulation during the contraction of	Is Base Element: Yes
	the right ventricle of the heart	Is Followup
	Source: NCI EVS	Element.
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 10 - 80 mm[Hg]
		Valid Range: 1 - 150 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13831 Preimplant Right Ventricular Systolic Pressure Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Operator: Equal Value: Tricuspid Valve Procedure
lomont: 12921	Proimplant Pight Vantricular Systelia Procesure Not Documented	Value: Tricuspid Valve Procedure
:lement: 13831	Preimplant Right Ventricular Systolic Pressure Not Documented	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001
	Preimplant Right Ventricular Systolic Pressure Not Documented Indicate if the right ventricular systolic pressure, pre-implant was not documented.	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001
		Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT
	Indicate if the right ventricular systolic pressure, pre-implant was not documented.	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System SNOMED CT Name: RVSPPreND
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented.	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System SNOMED CT Name: RVSPPreND Missing Data: Report
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code: 276772001 Code: 276772001 Code: 276772001 Code: 276772001 Code: System SNOMED CT Name: Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code: 276772001 Code: 276772001 Code: 276772001 Code: 276772001 Code: System SNOMED CT Name: Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code: 276772001 Code: SNOMED CT Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code: 276772001 Code: 276772001 Code: 276772001 Code: 276772001 Code: System SNOMED CT Name: Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code: 276772001 Code: SNOMED CT Name: SNOMED CT Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: No Data Type: BL
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System SNOMED CT Name: SNOMED CT Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: No Data Type: BL Precision: Value:
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System SNOMED CT Name: Short Name: Short Name: RVSPPreND Missing Data: Report Harvested: Yes Is Identifier: No Element: No Data Type: Bl Precision: Selection Type: Single Unit of Measure: Default Value:
Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code: 276772001 Code: 276772001 Code: SNOMED CT Name: SNOMED CT Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Value:
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: Short Name: Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Element: Precision: Selection Type: Single Unit of Measure: Default Value: Valid Range:
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System SNOMED CT Name: SNOMED CT Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Null Usual Range: Valid Range: Valid Range: Data Source:
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System SNOMED CT Name: SNOMED CT Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: Yes Jata Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System SNOMED CT Name: SNOMED CT Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: Yes Jata Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, pre-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System SNOMED CT Name: SNOMED CT Short Name: RVSPPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup No Element: Yes Jata Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273





Element: 13834	Preimplant Tricuspid Valve Diastolic Gradient	Technical Specification
Coding Instruction:	Indicate the tricuspid valve diastolic gradient, pre-implant.	Code: 112000001512
-	The value between start of procedure and prior to the intervention	Code System Name: ACC NCDR
Taiget value.	The value between start of procedure and pror to the intervention	Short Name: TVDGradPre
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 15 mm[Hg]
		Valid Range: 1 - 50 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13836 Preimplant Tricuspid Valve
		Diastolic Gradient Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Procedure Type Operator: Equal
		Procedure Type Operator: Equal Value: Tricuspid Valve Procedure
lamont: 13836	Preimplant Tricuspid Valve Diastolic Gradient Not Documented	Operator: Equal Value: Tricuspid Valve Procedure
	Preimplant Tricuspid Valve Diastolic Gradient Not Documented	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001512
	Preimplant Tricuspid Valve Diastolic Gradient Not Documented Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 112000001512
	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001512
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 11200001512 Code System Name: ACC NCDR Short Name: TVDGradPreND
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Jant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Jant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Image: Code: Tricuspid Valve Proce
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Jant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Iteration Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Jant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup Element: No
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Image: Code System Name: Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes Is Base Element: Yes Is Followup Element: No Data Type:
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Iteration Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Iteration Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Iant. Code Code Short Name: TVDGradPreND Missing Data: Report Harvested: Yes Is Base Element: Yes Is Followup Element: Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Idant. Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Image: Code System Name: Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (ITVP) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Data Source:
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Mant. Code: 112000001512 Code: 112000001512 Code: 112000001512 Code: System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (ITVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Iant. Iant. Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Is Base Element: Yes Is Followup Element: No Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Procedure Type
-	Indicate if the tricuspid valve diastolic gradient was not documented pre impl	Operator: Equal Value: Tricuspid Valve Procedure Iant. Iant. Code System Name: ACC NCDR Short Name: TVDGradPreND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273





Section: TTVP Post-Imp	lant Parent: TTVP	
Element: 13821	Post Implant Superior Vena Cava Pressure	Technical Specification
	Indicate the pressure in the superior vena cava post-implant.	Code: 112000001524
cooling instruction.	indicate the pressure in the superior vena cava post-implant.	Code System Name: ACC NCDR
Torget Value	The least value between the implent and the end of surrent precedure	Name: Short Name: SVDPost
Target value:	The last value between the implant and the end of current procedure	Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 10 mm[Hg]
		Valid Range: 0 - 35 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13816 Tricuspid Valve Replacement Location
		Operator: Equal
		Value: Inferior Vena Cava
		Element: 13816 Tricuspid Valve Replacement Location
		Operator: Equal
		Value: Inferior and Superior Vena Cava
		AND
		AND AND Element: 13822 Post Implant Superior Vena C
		AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented
Floment: 12822	Post Implant Superior Vana Cava Pressure Not Documented	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered)
:lement: 13822	Post Implant Superior Vena Cava Pressure Not Documented	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification
	Post Implant Superior Vena Cava Pressure Not Documented Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524
		AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524
	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System ACC NCDR Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System ACC NCDR Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena Consistent Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System ACC NCDR Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: ACC NCDR Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System ACC NCDR Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location
-	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location Operator: Equal
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location Operator: Equal Value: Inferior Vena Cava
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location Operator: Equal Value: Inferior Vena Cava Element: 13816 Tricuspid Valve Replacement
Coding Instruction:	Indicate if the pressure in the superior vena cava post-implant was not documented.	AND Element: 13822 Post Implant Superior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001524 Code System Name: Short Name: SVDPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location Operator: Equal Value: Inferior Vena Cava





Section: TTVP Post-Imp	Paren Paren	t: TTVP	
Element: 13824	Post Implant Inferior Vena Cava Pressure		Technical Specification
	Indicate the pressure in the inferior vena cava post-implant.		Code: 112000001525
-			Code System Name: ACC NCDR
l'arget Value:	The last value between the implant and the end of current procedure	e	Short Name: IVCPost
			Missing Data: Report
			Harvested: Yes (TTVP)
			Is Identifier: No Is Base Element: Yes
			Is Followup
			Element.
			Data Type: PQ
			Precision: 2,0 Selection Type: Single
			Unit of Measure: mm[Hg]
			Default Value: Null
			Usual Range: 1 - 10 mm[Hg]
			Valid Range: 0 - 35 mm[Hg] Data Source: User
			Parent/Child Validation
			Element: 13816 Tricuspid Valve Replacement
			Location
			Operator: Equal
			Value: Inferior Vena Cava Element: 13816 Tricuspid Valve Replacement
			Location
			Operator: Equal
			Value: Inferior and Superior Vena Cava
			-
			AND
			-
			AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal
			AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented
-lomont: 12926	Post Implant Inferior Vana Cava Prossure Not Decument	od	AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered)
Element: 13826	Post Implant Inferior Vena Cava Pressure Not Documente		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525
	Post Implant Inferior Vena Cava Pressure Not Documente Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR
	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPostND
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPostND Missing Data: Report
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525 Code System Name: Code System Name: Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup No
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 112000001525 Code System Name: Code System Name: Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Code System Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: Short Name: I/CPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure:
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND AND AND AND AND AND AND AND
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location Operator: Equal
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Location
Coding Instruction:	Indicate the pressure in the inferior vena cava post-implant was not		AND Element: 13826 Post Implant Inferior Vena C Pressure Not Documented Operator: Equal Value: No (or Not Answered) Technical Specification Code: 11200001525 Code System Name: ACC NCDR Short Name: IVCPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 13816 Tricuspid Valve Replacement Cate Cate Cate Cate Cate Cate Cate Cate





Element: 13828	Post Implant Right Atrial Pressure	Technical Specification
Coding Instruction:	Indicate the mean right atrial pressure, post implant.	Code: 276755008
_	The last value between the implant and the end of current procedure	Code System Name: SNOMED CT
Target value.	The last value between the implant and the end of current procedure	Short Name: RAPPost
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 10 mm[Hg]
		Valid Range: 0 - 35 mm[Hg] Data Source: User
		Parent/Child Validation
		Element: 13830 Post Implant Right Atrial Pres
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Operator: Equal
Element: 13830	Post Implant Right Atrial Pressure Not Documented	Operator: Equal Value: Tricuspid Valve Procedure
Element: 13830	Post Implant Right Atrial Pressure Not Documented	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008
	Post Implant Right Atrial Pressure Not Documented Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System
		Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPostND
	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPostND Missing Data: Report
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPostND
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Code: 276755008 Code System Name: Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Code: 276755008 Code System Name: Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: Short Name: RAPPostND Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Value:
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: Short Name: RAPPostND Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code: 276755008 SNOMED CT SNOMED CT Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range:
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: SNOMED CT Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range:
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Ves Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273
Coding Instruction:	Indicate if the mean right atrial pressure, post-implant, was not documented.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276755008 Code System Name: Short Name: Short Name: Short Name: Short Name: RAPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





Ismanti 12022	Post Implant Pight Ventrigular Systelia Pressure	Technical Specification
Element: 13832	Post Implant Right Ventricular Systolic Pressure	Code: 276772001
Coding Instruction:	Indicate the right ventricular systolic pressure, post-implant.	Code System Name: SNOMED CT
		Short Name: RVSPPost
Target Value:	The last value between the implant and the end of current procedure	Missing Data: Report
Supporting Definition:	RV Systolic Pressure	Harvested: Yes (TTVP)
Supporting Demittion.	-	Is Identifier: No
	The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Is Base Element: Yes
	Source: NCI EVS	Is Followup Floment: No
		Element:
		Data Type: PQ Precision: 3,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 10 - 80 mm[Hg]
		Valid Range: 1 - 150 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13833 Post Implant Right Ventricular Systolic Pressure Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
:lement: 13833	Post Implant Right Ventricular Systolic Pressure Not Documented	Procedure Type Operator: Equal
		Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001
	Post Implant Right Ventricular Systolic Pressure Not Documented Indicate if the right ventricular systolic pressure, post-implant was not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification
Coding Instruction:	Indicate if the right ventricular systolic pressure, post-implant was not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND
	Indicate if the right ventricular systolic pressure, post-implant was not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented.	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP)
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Element: No Selection Type: Single
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Element: No Selection Type: Single Unit of Measure:
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Sale Stollowup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null
Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction: Target Value:	Indicate if the right ventricular systolic pressure, post-implant was not documented. N/A RV Systolic Pressure The maximum pressure exerted into the systemic arterial circulation during the contraction of the right ventricle of the heart	Procedure Type Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 276772001 Code System Name: SNOMED CT Short Name: RVSPPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy





Section: TTVP Post-Imp	lant Parent: TTVI	
lement: 13835	Post Implant Tricuspid Valve Diastolic Gradient	Technical Specification
Coding Instruction		Code: 112000001512
-	Indicate the tricuspid valve diastolic gradient, post-implant. The last value between the implant and the end of current procedure	Code System Name: ACC NCDR
. a. get talaet		Short Name: TVDGradPost
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 15 mm[Hg]
		Valid Range: 1 - 50 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13837 Post Implant Tricuspid Valve
		Diastolic Gradient Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therap
		Procedure Type
		Operator: Equal
lement: 13837	Post Implant Tricuspid Valve Diastolic Gradient Not Documented	Operator: Equal Value: Tricuspid Valve Procedure
	Post Implant Tricuspid Valve Diastolic Gradient Not Documented	d Coperator: Equal Value: Tricuspid Valve Procedure d Code: 11200001512
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	d Coperator: Equal Value: Tricuspid Valve Procedure d Code: 11200001512
	Indicate if the tricuspid valve diastolic gradient was not documented post imp	d Coperator: Equal Value: Tricuspid Valve Procedure d Code: 11200001512
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification olant. Code: 112000001512 Code System Name: ACC NCDR
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	d Technical Specification olant. Code: 11200001512 Code System Name: ACC NCDR Short Name: TVDGradPostND
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	d Technical Specification d Code: 11200001512 Code System Name: Short Name: TVDGradPostND Missing Data: Report
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	d Technical Specification code: 11200001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	d Technical Specification code: 11200001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification olant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No No
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification olant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Followup Element: No Data Type: BL
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification olant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification olant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single Unit of Measure: Single
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification olant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single Unit of Measure: Default Value: Default Value: Null
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification code: 112000001512 code: Store Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Vull
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification olant. Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification code: 112000001512 Code: 112000001512 Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification Code: 112000001512 blant. Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User
-	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification Code: 112000001512 blant. Code System Name: Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not documented post imp	Operator: Equal Value: Tricuspid Valve Procedure d Technical Specification Code: 112000001512 blant. Code System Name: ACC NCDR Short Name: TVDGradPostND Missing Data: Report Harvested: Yes (TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14273





Section: TTVP Devices	Parent: TTVP	
Element: 13531	Tricuspid Valve Device Counter	Technical Specification
Cadina Instruction.	This is a software positional value. The counterwill start at one and he incompated by one for	Code: 2.16.840.1.113883.3.3478.4.8
Coding Instruction:	This is a software-assigned value. The counter will start at one and be incremented by one for each device or system used.	Code System Name: ACC NCDR
Target Value:	N/A	Short Name: TVDevCounter
		Missing Data: Illegal
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: CTR
		Precision: 3
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: 1 - 999
		Data Source: Automatic
		Parent/Child Validation
		Element: 13505 Procedure Aborted
		Operator: Equal
		Value: No
		AND AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
Element: 14483	Transcatheter Tricuspid Valve Device ID	Code: 703201004
Coding Instruction:	Indicate the device ID of the tricuspid valve.	
Target Value:	The value on current procedure	Code System Name: SNOMED CT
		Short Name: TTVDeviceID
		Missing Data: Illegal
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: ^{No}
		Data Type: CD
		Precision:
		Selection Type: Single (Dynamic List)
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13531 Tricuspid Valve Device Counter
		Operator:
		Value: Any Value

Value: Any Value





lement: 14520	Tricuspid Valve Device Diameter	Technica	I Specification
	Indicate the tricuspid valve device diameter (in mm).	Code: 7	703201004
-	The value on current procedure	Code System Name:	SNOMED CT
Target Value.		Short Name: T Missing Data: F	
		Harvested:	
		Is Identifier:	, ,
		Is Base Element:	Yes
		Is Followup Element:	
		Liement.	
		Data Type:	
		Precision: 3	
		Selection Type: S	-
		Unit of Measure: n Default Value: 1	
		Usual Range: 1	
		Valid Range: 5	
		Data Source:	
			hild Validation
			anscatheter Tricuspid Valv
		Device ID	
		Device ID Operator: Value: Any Value	
lement: 13842	Tricuspid Valve Device Serial Number	Operator: Value: Any Value Technica	Il Specification
	Tricuspid Valve Device Serial Number Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica	703201004
Coding Instruction:		Operator: Value: Any Value Technica Code: 7 Code System Name:	703201004 SNOMED CT
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica Code: 7 Code System Name: Short Name: 7	703201004 SNOMED CT IVDeviceSN
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica Code: 7 Code System Name: Short Name: 7 Missing Data: 6	703201004 SNOMED CT IVDeviceSN Report
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica Code: 7 Code System Name: Short Name: Missing Data: 6 Harvested: 2	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP)
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica Code: 7 Code System Name: Short Name: Missing Data: F Harvested: Is Identifier: N	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica Code: 7 Code System Name: Short Name: Missing Data: F Harvested: Is Identifier: N	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica Code: 7 Code System Name: Short Name: Missing Data: F Harvested: Is Identifier: N	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica Code: 7 Code System Name: Short Name: Missing Data: F Harvested: Is Identifier: 1 Is Base Element: Is Followup	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value Technica Code: 7 Code System Name: Short Name: Missing Data: 6 Harvested: Is Identifier: 1 Is Base Element: Is Followup Element:	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST 30
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST 30 Single
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST 30 Single
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST 30 Single
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT Report Yes (TTVP) No Yes No ST 30 Single
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST 30 Single Null
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST 30 Single Null Jser hild Validation
-	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST 30 Single Null Jser hild Validation icuspid Valve Device Impla
Coding Instruction:	Indicate the serial number of the tricuspid valve device implanted during the procedure.	Operator: Value: Any Value	703201004 SNOMED CT IVDeviceSN Report Yes (TTVP) No Yes No ST 30 Single Null Jser hild Validation icuspid Valve Device Impla





Section: TTVP Devices	Parent: TTVP	
Element: 14571	Transcatheter Tricuspid Valve Unique Device ID	Technical Specification
Coding Instruction:	Indicate the full unique device identifier (UDI) for the implanted device	Code: 2.16.840.1.113883.3.3719
_	The value on current procedure	Code System Name: ACC NCDR
-	Unique Device Identifier (UDI)	Short Name: TTV_UDI
Supporting Definition:		Missing Data: Report
	An identifier that is the main (primary) lookup for a medical device product and meets the requirements to uniquely identify a device through its distribution and use. This value is	Harvested: Yes (TTVP)
	supplied to the FDA by the manufacturer.	Is Identifier: No
	Source: US FDA	Is Base Element: Yes
		Is Followup Element:
		Data Type: ST
		Precision: 150
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13537 Tricuspid Valve Device Implant
		Successfully
		Operator: Equal Value: Yes
Element: 13537	Tricuspid Valve Device Implanted Successfully	Technical Specification
Coding Instruction:	Indicate if the device was implanted successfully.	Code: 703201004
Target Value:	The value on current procedure	Code System Name: SNOMED CT
i al got i al ao		Short Name: TVDeviceImplantSuccessful
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13531 Tricuspid Valve Device Counter
		Operator:
		Value: Any Value

Value: Any Value





Section: TTVP Devices		Parent: TTVP		
Element: 13540	Reason Tricuspid Valve D	Device Not Implanted Successfully	Technical S	pecification
Coding Instruction:	· · ·	was not implanted successfully.	Code: 1120 Code System Name: ACC Short Name: TV_I Missing Data: Repo Harvested: Yes Is Identifier: No Is Base Element: Yes Is Followup Element: No Element: CD Precision: Selection Type: Singl Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User	00002014 NCDR Jnsuccessful rt (TTVP)
Dessen Trisur sid Velue Desis	- Ned Involved Courses for		Parent/Child Element: 13537 Tricus Successfully Operator: Equal Value: No	pid Valloatton
· · ·	e Not implanted Successfully	y - 1.3.6.1.4.1.19376.1.4.1.6.5.569 Source	Code	Code System Nam
Adverse Event			112000001505	ACC NCD
Anchor Pull Through			112000001530	ACC NCD
Device Embolization			112000001324	ACC NCD
Device Malfunction			112000001504	ACC NCD
Improper Device Positioning			112000001325	ACC NCD
mproper Device Sizing			112000001326	ACC NCE
nability to Deliver Device			112000001533	ACC NCE

Improper Device Sizing	112000001326	ACC NCDR
Inability to Deliver Device Anchor	112000001533	ACC NCDR
Inability to Deploy the Stent	112000001532	ACC NCDR
Inability to Deploy the Valve	112000001531	ACC NCDR
Inability to Grasp Leaflets	112000001501	ACC NCDR
Inability to Reduce Annular Dimension	112000001534	ACC NCDR
Inability to Reduce Tricuspid Regurgitation	112000001535	ACC NCDR
Inferior Vena Cava Too Large	112000001536	ACC NCDR
Leaflet Detachment	112000001537	ACC NCDR
Single Leaflet Device Attachment	112000001538	ACC NCDR
Tricuspid Valve Injury	112000001539	ACC NCDR
Tricuspid Valve Stenosis	49915006	SNOMED CT
Other	100000351	ACC NCDR





Element: 12153	Intra or Post Procedure Events		Technical Specifica	tion
Coding Instru	ction: Indicate if there were any Intra or Post Pro	cedure Events.	Code: 1000142478	
-	Value: Any occurrence between start of procedur		Code System Name: ACC NCDR	
-	ction: When an Intra or Post Procedure Events (1		Short Name: ProcEvents	
Volidor motifi	Events Occurred (9002) must not be Null		Missing Data: Report Harvested: Yes (BDS, TAV	R TMVR
	An Intra or Post Procedure - combination E	vents (12153), Occurred (9002) and Event Date	TMVrpr, TTVP)	
	(14275) - may only be entered/selected on		Is Identifier: No	
			Is Base Element: Yes Is Followup Element: No	
			Element:	
			Data Type: CD Precision:	
			Selection Type: Single (Dynami	ic List)
			Unit of Measure:	,
			Default Value: Null	
			Usual Range: Valid Range:	
			Data Source: User	
ntra or Post Procedure	Events - 1.3.6.1.4.1.19376.1.4.1.6.5.706			
Selection	Definition	Source		e System Nam
Annular Rupture	Annular rupture (or 'annulus rupture') is an umbrella term covering different procedural-	Pasic, M, Unbehaun, A, et al. Annular Rupture During Transcatheter Aortic Valve Replacement.	112000001835	ACC NCE
	related injuries of the aortic root and the left	JACC Cardiovascular Interventions, Vol 8 (2015),		
	ventricular outflow tract (LVOT) during transcatheter aortic valve replacement. According	#1, 1-9.		
	to the anatomical location of the injury, it can be			
	classified into 4 types: intra-annular, subannular, supra-annular, and combined rupture			
	This can also be called an 'aortic root rupture' and 'rupture of the device landing zone.'			
Aortic Dissection	Include only Stanford classification type A or B	Poonyagariyagorn H, Hook M, Bhatt DL.	308546005	SNOMED (
	aortic dissections, requiring surgical or percutaneous intervention. The Stanford	Cardiovascular emergencies. In: Cleveland Clinic: Current Clinical Medicine 2009. 1st ed.		
	classification is divided into type A and B depending on whether the ascending aorta is	Philadelphia, Pa: Saunders Elsevier; 2008: chap		
	involved. The Stanford classification is in close	14;		
	relationship to clinical practice, as type A dissections generally require primary surgical	Ankel F. Aortic dissection. In: Marx JA, ed. Rosen's Emergency Medicine: Concepts and		
	repair whereas type B dissections generally are	Clinical Practice. 7th ed. Philadelphia, Pa: Mosby		
	treated medically as initial treatment with surgery reserved for any complications.	Elsevier; 2009: chap 83.		
	Type A - Involves the ascending aorta and/or			
	aortic arch, and possibly the descending aorta. The tear can originate in the ascending aorta, the			
	aortic arch, or, more rarely, in the descending			
	aorta. It includes DeBakey type I, II and retrograde type III (dissection originating in the descending			
	aorta or aortic arch but extending into the ascending aorta).			
	Type B - Involves the descending aorta (distal to			
	left subclavian artery origin), without involvement of the ascending aorta or aortic arch. It includes			
	DeBakey type III without retrograde extension into			
ASD Defect Closure due	the ascending aorta. A procedure was required to close an atrial-septa	1	112000001885	ACC NCE
o Transseptal	defect as a result of the transseptal	_		
Catheterization	catheterization procedure. Atrial fibrillation or flutter requiring treatment or		49436004	SNOMED
	prolonged hospitalization. Treatment includes		+3430004	
	initiation of a NEW/DIFFERENT medication therapy to address the arrhythmia; or a			
	procedure/intervention to address the arrhythmia			
	(cardioversion, permanent pacemaker/defibrillator,	,		

Bleeding - Access Site Indicate if the patient experienced a confirmed

ACC NCDR 1000142440





Section: Post-Proc	edure - Intra or Post-Procedure Events	Parent: Lab Visit		
	 bleeding event at the access site observed and documented in the medical record that was associated with any of the following: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells; 			
	3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy site, balloon angioplasty to seal an arterial tear, endoscopy with cautery of a GI bleed).			
Bleeding - Gastrointestina	 I The patient experienced a confirmed gastrointestinal bleeding event observed and documented in the medical record that was associated with any of the following: Hemoglobin drop of >=3 g/dL; Transfusion of whole blood or packed red blood cells; Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy site, balloon angioplasty to seal an arterial tear, endoscopy with cautery of a GI bleed). 		74474003	SNOMED CT
Bleeding - Genitourinary	Indicate if the patient experienced a confirmed genitourinary bleeding event observed and documented in the medical record that was associated with any of the following: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells; 3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding.		417941003	SNOMED CT
Bleeding - Hematoma at Access Site	 Indicate if the patient experienced a confirmed hematoma at the access site observed and documented in the medical record that was associated with any of the following: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells; 3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy site, balloon angioplasty to seal an arterial tear, endoscopy with cautery of a GI bleed). 		385494008	SNOMED CT
Bleeding - Other	The patient experienced bleeding from a site not otherwise specified, such as pulmonary bleeding or a subdural hematoma (not a hemorrhagic stroke). To qualify, the bleeding should be associated with any of the following documented in the medical record: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells; 3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy site or balloon angioplasty to seal an arterial tear).		1000142371	ACC NCDR
Bleeding - Retroperitoneal	 Indicate if the patient experienced a confirmed retroperitoneal bleeding event observed and documented in the medical record that was associated with any of the following: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells; 3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy site, balloon angioplasty to seal an arterial tear). 		95549001	SNOMED CT
Cardiac Arrest	Cardiac arrest is defined as acute cardiac event documented by one of the following: ventricular fibrillation, rapid ventricular tachycardia or bradycardia rhythms with hemodynamic compromise causing loss of consciousness, pulseless rhythms (PEA), or asystole requiring cardiopulmonary resuscitation (two or more chest compressions or open chest massage,	Data Governance Subcommittee of the NCDR's SQOC	410429000	SNOMED CT





	emergency temporary pacing, pericardiocentesis, institution of ECMO, or defibrillation) and without these measures death would have almost certainly resulted.			
Cardiac Perforation	A perforation of the myocardium, aortic annulus of aorta, with or without tamponade associated with the perforation. If tamponade occurs there would be fluid in the pericardial space compromising cardiac filling, and requiring intervention such as pericardiocentesis or returning to the operating room. This should be documented by either: 1. Echo showing pericardial fluid and signs of tamponade such as right heart compromise, or 2. Systemic hypotension due to pericardial fluid compromising cardiac function.		36191001:123005000=302509004	SNOMED CT
Cardiac Surgery or Intervention - Other Unplanned	The patient subsequently underwent cardiac surgery or a cath lab intervention that was unplanned. This does not include an intervention or procedure already identified as an adverse event in the TVT Registry (e.g. AV reintervention, other vascular surgery or intervention, pacemaker or ICD implant).		112000001892	ACC NCDR
Complete Leaflet Clip Detachment	A complete detachment of the leaflet clip from the mitral valve leaflets occurred.		112000001840	ACC NCDR
Coronary Artery Compression	Angiographic or echocardiographic evidence of a new, partial or complete obstruction of a coronary ostium, either by the valve prosthesis itself, the native leaflets, calcifications, or dissection, occurring during or after the procedure.		112000001837	ACC NCDR
COVID-19 Positive	The patient had a diagnosis of COVID-19, confirmed with a laboratory performed polymerase chain reaction (PCR) test. Notes: It is acceptable to code the diagnosis of COVID-19 based on testing that was NOT performed at your facility if it is accompanied by appropriate documentation in the medical record by the provider. Code no if documentation ONLY included antibody testing (IgG).		112000001982	ACC NCDR
Delivery System Component Embolization	A component of the delivery system became detached and embolized into the heart or vascular system of the patient.		112000001841	ACC NCDR
Device Embolization	The device became displaced from its initial implantation site so that it is no longer in its original position.		112000001324	ACC NCDR
Device Migration	Device migration of the prosthetic valve is x-ray confirmed movement of the valve from its initial implantation site such that there is a change in valve orientation within the aortic outflow track resulting in a new echocardiographic confirmed flow disturbance (pre- and post- filmed documentation). Note: Code device embolization if the device is outside of the outflow tract.		370512004	SNOMED CT
Device Related Event - Other	Indicate if an otherwise unspecified device-related event requiring unanticipated treatment occurred. This includes any delivery system related event.	i	112000001828	ACC NCDR
Device Thrombosis	Any thrombus attached to or near the valve that was implanted during the procedure that occludes part of the blood flow path, interferes with valve function, or is sufficiently large to warrant treatment.	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	112000001839	ACC NCDR
Dialysis (New Requirement)	Acute or worsening renal failure necessitating a new requirement for renal dialysis (renal dialysis includes hemodialysis and peritoneal dialysis). If a patient is on receiving continuous veno-venous hemofiltration (CVVH) as a result of renal failure (and not as treatment to remove fluid for heart failure), code yes.		100014076	ACC NCDR
Endocarditis	Confirmed diagnosis of endocarditis by blood culture and/or vegetation on or around a heart valve. This may include native tissue, ring or prosthetic valve involvement.	Society of Thoracic Surgeons (STS)	56819008	SNOMED CT





ICD	The patient developed a new dysrhythmia requiring insertion of an implantable cardioverter/defibrillator.		ACC-NCDR-ICD	ACC NCDF
Left Ventricular Outflow Tract Obstruction	Left ventricular outflow tract obstruction (pressure gradient assessed by with echo- Doppler velocities or by catheter-based pressure measurement) was documented in the medical record.		253546004	SNOMED CT
Mitral Leaflet or Subvalvular Injury	A mitral leaflet or subvalvular injury was detected during surgery or ascertained by echocardiogram.		112000001886	ACC NCDR
Myocardial Infarction	A myocardial infarction (MI) is defined as an acute ischemic event that is associated with documented and clinically significant myocardial necrosis. The MI can be periprocedural (<72 hours after the procedure) or spontaneous (>72 hours after the index procedure). 1. Peri-procedural MI (<72 h after the index procedure)	Transcatheter Aortic Valve Implantation Clinical Trials (JACC, 2012, vol 60, No 15)	22298006	SNOMED CT
	(a) New ischemic symptoms (e.g. chest pain or shortness of breath), or new ischemic signs (e.g. ventricular arrhythmias, new or worsening heart failure, new ST-segment changes, hemodynamic instability, new pathological Q waves in at least two contiguous leads, imaging evidence of new loss of viable myocardium or new wall motion abnormality) AND			
	(b) Elevated cardiac biomarkers (preferable CK- MB) within 72 h after the indexprocedure, consisting of at least one sample post-procedure with a peak value exceeding 15 x as the upper reference limit for troponin or 5 x forCK-MB.* If cardiac biomarkers are increased at baseline (>99th percentile), a further increase in at least 50% post-procedure is required AND the peak value must exceed the previously stated limit.			
	2. Spontaneous MI (_72 h after the index procedure) any one of the following criteria:			
	 (a) Detection of rise and/or fall of cardiac biomarkers (preferably troponin) with at least one value above the 99th percentile URL, together with the evidence of myocardial ischemia with at least one of the following: -Symptoms of ischemia -ECG changes indicative of new ischemia [new ST-T changes or new left bundle branch block (LBBB)] -New pathological Q-waves in at least two contiguous leads -Imaging evidence of a new loss of viable myocardium or new wall motion abnormality 			
	(b) Sudden, unexpected cardiac death, involving cardiac arrest, often with symptoms suggestive of myocardial ischemia, and accompanied by presumably new ST elevation, or new LBBB, and/or evidence of fresh thrombus by coronary angiography and/or at autopsy, but death occurring before blood samples could be obtained, or at a time before the appearance of cardiac biomarkers in the blood.			
	(c) Pathological findings of an acute myocardial infarction.			
Pacemaker Lead Dislodgement or Dysfunction	Pacemaker lead dislodgement or pacemaker dysfunction was documented in the medical record		112000001884	ACC NCDR
Percutaneous Coronary Intervention	A PCI is the placement of an angioplasty guide wire, balloon, or other device (e.g. stent, atherectomy, brachytherapy, or thrombectomy catheter) into a native coronary artery or coronary artery bypass graft for the purpose of mechanical		415070008	SNOMED CT
Permanent Pacemaker	coronary revascularization. The patient developed a new dysrhythmia		449397007	SNOMED C





Section: Post-Proc	edure - Intra or Post-Procedure Events	Parent: Lab Visit		
	requiring insertion of a permanent pacemaker.			
Pulmonary Embolism	Intravascular migration of a venous thrombus to the pulmonary arterial circulation. A 'Proved Pulmonary Embolism' is proved by a positive pulmonary angiogram, an unequivocally positive helical CT scan, a high-probability ventilation- perfusion scan, or autopsy.	Banovac, F., et al. Reporting Standards for Endovascular Treatment of Pulmonary Embolism. Journal of Vascular Interventional Radiology 2010; 21:44–53	59282003	SNOMED CT
Reintervention - Aortic Valve	The patient returned to the operating room or cath lab for any aortic valve re-intervention. Note: Please complete adjudication worksheet for every documented aortic valve reintervention,		112000001827	ACC NCDR
Reintervention - Mitral	regardless of type of reintervention. The patient returned to the operating room or cath		112000001893	ACC NCDR
Valve	lab for any mitral valve re-intervention. Note: Please complete adjudication worksheet for			
	every documented mitral valve reintervention, regardless of type of reintervention.			
Reintervention - Tricuspid Valve	The patient returned to the operating room or cath lab for any tricuspid valve re-intervention.		112000001820	ACC NCDR
	Note: Please complete adjudication worksheet for every documented tricuspid valve reintervention, regardless of type of reintervention.			
Single Leaflet Device Attachment	Single leaflet device attachment was documented in the medical record.		112000001538	ACC NCDR
Stroke - Hemorrhagic	An acute episode of focal or global cerebral or spinal dysfunction caused by intraparenchymal, intraventricular or subarachnoid hemorrhage. Note: Subdural hematomas are intracranial	Hicks, K., Tcheng, J. 2014 ACC/AHA Key Data Elements and Definitions for Cardiovascular Endpoint Events in Clinical Trials A Report of the ACC/AHA Task Force on Clinical Data Standards (Writing Committee to Develop Cardiovascular	230706003	SNOMED CT
	hemorrhagic events and not strokes.	Endpoints Data Standards). JACC 2015, 66 (4), p 403-469		
Stroke - Ischemic	An acute episode of focal cerebral, spinal, or retinal dysfunction caused by infarction of central nervous system tissue. Note: Hemorrhage may be a consequence of ischemic stroke. In this situation, the stroke is an ischemic stroke with hemorrhagic transformation and not a hemorrhagic stroke.	Hicks, K., Tcheng, J. 2014 ACC/AHA Key Data Elements and Definitions for Cardiovascular Endpoint Events in Clinical Trials A Report of the ACC/AHA Task Force on Clinical Data Standards (Writing Committee to Develop Cardiovascular Endpoints Data Standards). JACC 2015, 66 (4), p 403-469	422504002	SNOMED CT
Stroke - Undetermined	A stroke of undetermined origin is defined as an acute episode of focal or global neurological dysfunction caused by presumed brain, spinal cord, or retinal vascular injury as a result of hemorrhage or infarction but with insufficient information to allow categorization as ischemic or hemorrhagic.	Hicks KA, Tcheng JE, Bozkurt B, et al. 2014 ACC/AHA Key Data Elements and Definitions for Cardiovascular Endpoint Events in Clinical Trials: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Data Standards (Writing Committee to Develop Cardiovascular Endpoints Data Standards). J Am Coll Cardiol. 2015;66 (4):403-469. doi:10.1016/j.jacc.2014.12.018.	230713003	SNOMED CT
Transient Ischemic Attack (TIA)	A transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.	Society for Thoracic Surgeons (STS)	266257000	SNOMED CT
Transseptal Complication	The patient experienced an adverse event as a result of the transseptal access.		112000001833	ACC NCDR
Vascular Complication - Major	Major vascular complications include any of the following: 1. Any aortic dissection, aortic rupture, annulus rupture, left ventricle perforation, or new apical aneurysm/pseudo-aneurysm; 2. Access site or access-related vascular injury (dissection, stenosis, perforation, rupture, arteriovenous fistula, pseudoaneurysm, hematoma, irreversible nerve injury, compartment syndrome, percutaneous closure device failure) leading to death, life threatening or major bleeding*, visceral ischemia or neurological impairment; 3. Distal embolization (non-cerebral) from a vascular source requiring surgery or resulting in amputation or irreversible end-organ damage; 4. The use of unplanned endovascular or surgical	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	11200000460	ACC NCDR





Section: Post-Pro	cedure - Intra or Post-Procedure Events	Parent: Lab Visit		
	visceral ischemia or neurological impairment; 5. Any new ischemia documented by patient symptoms, physical exam, and/or decreased or absent blood flow on lower extremity angiogram; 6. Surgery for access site-related nerve injury; 7. Permanent access site-related nerve injury. *Refers to VARC bleeding definitions Note: "ipsilateral lower extremity" was removed from #5 to have the ability to account for ischemia from any access site.			
Vascular Complication - Minor	Minor vascular complications include any of the following: 1. Access site or access-related vascular injury (dissection, stenosis, perforation, rupture, arteriovenous fistula, pseudoaneuysms, hematomas, percutaneous closure device failure) not leading to death, life-threatening or major bleeding*, visceral ischemia or neurological impairment; 2. Distal embolization treated with embolectomy and/or thrombectomy and not resulting in amputation or irreversible end-organ damage; 3. Any unplanned endovascular stenting or unplanned surgical intervention not meeting the criteria for a major vascular complication; 4. Vascular repair or the need for vascular repair (via surgery, ultrasound-guided compression, transcatheter embolization, or stent-graft). *Refers to VARC bleeding definitions	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	112000001823	ACC NCDR
Vascular Surgery or Intervention - Unplanned	The patient required unplanned vascular surgery or intervention to correct a bleeding complication or vascular related complication. Note: If a balloon angioplasty of the access site or access related sites is performed as a routine procedure to ensure adequate hemostasis of the site, then this would not qualify as an Unplanned Vascular Surgery or Intervention. However, if a balloon angioplasty is performed in an attempt to treat a bleeding or vascular access complication (i.e. bleeding at access site, dissection, stenosis, narrowing of vessel, etc.), then Unplanned Vascular Surgery or Intervention should be captured.	r	11200000467	ACC NCDR
Element: 9002	Intra/Post-Procedure Events Occurre	ed	Technical Specificati	on
-	uction: Indicate if the specific intra or post procedu Value: Any occurrence between start of procedur		Code:1000142479Code System Name:ACC NCDRShort Name:PostProcOccurredMissing Data:ReportHarvested:Yes (BDS, TAVR TMVrpr, TTVP)Is Identifier:NoIs Base Element:YesIs Followup Element:NoSelection Type:SingleUnit of Measure:NullDefault Value:NullValid Range:Valid Range:Data Source:User	





ement: 14275	Intra and Post Procedure Event Date	Technical Specification
Coding Instruction:	Indicate the date the event occurred.	Code: 10001424780
-		Code System ACC NCDR
Target Value:	Any occurrence between start of procedure and until next procedure or discharge	Name:
Vendor Instruction:	Intra and Post Procedure Event Date (14275) must be Greater than or Equal to Procedure Start	Short Name: IntraPostProcEventDate Missing Data: Report
	Date and Time (7000)	Harvested: Yes (BDS, TAVR, TMVR,
		TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: DT
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 9002 Intra/Post-Procedure Events Occurred
		Operator: Equal
		Value: Yes





lement: 14312	Adjudication Event	Technical Specification
Coding Instruction:	Indicate the event being adjudicated.	Code: 112000001816
Target Value:	N/A	Code System Name: ACC NCDR
-	When Adjudication Event (14312) is Equal to (Stroke - Hemorrhagic,Stroke - Ischemic,Stroke - Undetermined,Transient Ischemic Attack (TIA)) then Transcatheter Valve Therapy Procedure Type (14273) must be Equal to (TAVR,TMVr,TMVR)	Short Name: AJ_AdjudEvent Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
	An Adjudication - combination Event (14312) and Date (14313) - may only be entered/selected once	Is Identifier: No Is Base Element: Yes
	The Adjudication Event Date (14313) / Adjudication Event Code (14312) must match with Intra or Post-Procedure Event Date (14275) / Intra or Post Procedure Event Code (12153)	Is Followup _{No} Element: No Data Type: CD Precision:
		Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Operator: Equal Value: Stroke - Hemorrhagic Element: 12153 Intra or Post Procedure Ever Operator: Equal Value: Stroke - Ischemic Element: 12153 Intra or Post Procedure Ever Operator: Equal Value: Stroke - Undetermined Element: 12153 Intra or Post Procedure Ever Operator: Equal Value: Transient Ischemic Attack (TIA) Element: 12153 Intra or Post Procedure Ever Operator: Equal Value: Reintervention - Mitral Valve Element: 12153 Intra or Post Procedure Ever Operator: Equal Value: Reintervention - Mitral Valve Element: 12153 Intra or Post Procedure Ever Operator: Equal Value: Reintervention - Tricuspid Valve Element: 12153 Intra or Post Procedure Ever Operator: Equal Value: Reintervention - Aortic Valve Cocurred AND AND AND

Intra or Post Procedure Events - 1.3.6.1.4.1.19376.1.4.1.6.5.706

Selection	Definition	Source	Code Cod	e System Name
Annular Rupture	Annular rupture (or 'annulus rupture') is an umbrella term covering different procedural- related injuries of the aortic root and the left ventricular outflow tract (LVOT) during transcatheter aortic valve replacement. According to the anatomical location of the injury, it can be classified into 4 types: intra-annular, subannular, supra-annular, and combined rupture This can also be called an 'aortic root rupture' and	Pasic, M, Unbehaun, A, et al. Annular Rupture During Transcatheter Aortic Valve Replacement. JACC Cardiovascular Interventions, Vol 8 (2015), #1, 1-9.	112000001835	ACC NCDF
Aortic Dissection	 'rupture of the device landing zone.' Include only Stanford classification type A or B aortic dissections, requiring surgical or percutaneous intervention. The Stanford classification is divided into type A and B depending on whether the ascending aorta is involved. The Stanford classification is in close relationship to clinical practice, as type A dissections generally require primary surgical repair whereas type B dissections generally are treated medically as initial treatment with surgery 	Poonyagariyagorn H, Hook M, Bhatt DL. Cardiovascular emergencies. In: Cleveland Clinic: Current Clinical Medicine 2009. 1st ed. Philadelphia, Pa: Saunders Elsevier; 2008: chap 14; Ankel F. Aortic dissection. In: Marx JA, ed. Rosen's Emergency Medicine: Concepts and Clinical Practice. 7th ed. Philadelphia, Pa: Mosby Elsevier; 2009: chap 83.	308546005	SNOMED CT



Section: In-Hospital Event Information

Parent: Lab Visit



	al Event information	Parent: Lad Visit	
	reserved for any complications.		
	Type A - Involves the ascending aorta and/or aortic arch, and possibly the descending aorta. The tear can originate in the ascending aorta, the aortic arch, or, more rarely, in the descending aorta. It includes DeBakey type I, II and retrograde type III (dissection originating in the descending aorta or aortic arch but extending into the ascending aorta).		
	Type B - Involves the descending aorta (distal to left subclavian artery origin), without involvement of the ascending aorta or aortic arch. It includes DeBakey type III without retrograde extension into the ascending aorta.		
ASD Defect Closure due o Transseptal Catheterization	A procedure was required to close an atrial-septal defect as a result of the transseptal catheterization procedure.	112000001885	ACC NCDR
Atrial Fibrillation	Atrial fibrillation or flutter requiring treatment or prolonged hospitalization. Treatment includes initiation of a NEW/DIFFERENT medication therapy to address the arrhythmia; or a procedure/intervention to address the arrhythmia (cardioversion, permanent pacemaker/defibrillator, ablation, etc.).	49436004	SNOMED CT
Bleeding - Access Site	 Indicate if the patient experienced a confirmed bleeding event at the access site observed and documented in the medical record that was associated with any of the following: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells; 	1000142440	ACC NCDR
	3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy site, balloon angioplasty to seal an arterial tear, endoscopy with cautery of a Gl bleed).		
leeding - Gastrointestinal	 I The patient experienced a confirmed gastrointestinal bleeding event observed and documented in the medical record that was associated with any of the following: I. Hemoglobin drop of >=3 g/dL; Z. Transfusion of whole blood or packed red blood cells; 3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy site, balloon angioplasty to seal an arterial tear, endoscopy with cautery of a Gl bleed). 	74474003	SNOMED CT
Bleeding - Genitourinary	Indicate if the patient experienced a confirmed genitourinary bleeding event observed and documented in the medical record that was associated with any of the following: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells; 3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding.	417941003	SNOMED CT
Bleeding - Hematoma at Access Site	Indicate if the patient experienced a confirmed hematoma at the access site observed and documented in the medical record that was associated with any of the following: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells; 3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy	385494008	SNOMED CT
	site, balloon angioplasty to seal an arterial tear, endoscopy with cautery of a GI bleed).		





	al Event Information	Parent: Lab Visit		
	or a subdural hematoma (not a hemorrhagic stroke). To qualify, the bleeding should be associated with any of the following documented			
	in the medical record: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood			
	cells; 3. Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such			
	as surgical closures/exploration of the arteriotomy site or balloon angioplasty to seal an arterial tear).			
Bleeding - Retroperitoneal	Indicate if the patient experienced a confirmed retroperitoneal bleeding event observed and documented in the medical record that was		95549001	SNOMED CT
	associated with any of the following: 1. Hemoglobin drop of >=3 g/dL; 2. Transfusion of whole blood or packed red blood cells;			
	 Procedural intervention/surgery at the bleeding site to reverse/stop or correct the bleeding (such as surgical closures/exploration of the arteriotomy site, balloon angioplasty to seal an arterial tear). 			
Cardiac Arrest	Cardiac arrest is defined as acute cardiac event documented by one of the following: ventricular fibrillation, rapid ventricular tachycardia or bradycardia rhythms with hemodynamic compromise causing loss of consciousness,	Data Governance Subcommittee of the NCDR's SQOC	410429000	SNOMED CT
	pulseless rhythms (PEA), or asystole requiring cardiopulmonary resuscitation (two or more chest compressions or open chest massage, emergency temporary pacing, pericardiocentesis, institution of ECMO, or defibrillation) and without these measures death would have almost			
Cardiac Perforation	certainly resulted. A perforation of the myocardium, aortic annulus or		36191001:123005000=302509004	SNOMED C
	aorta, with or without tamponade associated with the perforation. If tamponade occurs there would be fluid in the pericardial space compromising cardiac filling, and requiring intervention such as pericardiocentesis or returning to the operating room. This should be documented by either: 1. Echo showing pericardial fluid and signs of tamponade such as right heart compromise, or 2. Systemic hypotension due to pericardial fluid compromising cardiac function.			
Cardiac Surgery or Intervention - Other Unplanned	The patient subsequently underwent cardiac surgery or a cath lab intervention that was unplanned. This does not include an intervention or procedure already identified as an adverse event in the TVT Registry (e.g. AV reintervention, other vascular surgery or intervention, pacemaker or ICD implant).		112000001892	ACC NCDR
Complete Leaflet Clip Detachment	A complete detachment of the leaflet clip from the mitral valve leaflets occurred.		112000001840	ACC NCDR
Coronary Artery Compression	Angiographic or echocardiographic evidence of a new, partial or complete obstruction of a coronary ostium, either by the valve prosthesis itself, the native leaflets, calcifications, or dissection, occurring during or after the procedure.		112000001837	ACC NCDR
COVID-19 Positive	The patient had a diagnosis of COVID-19, confirmed with a laboratory performed polymerase chain reaction (PCR) test.		112000001982	ACC NCDR
	Notes: It is acceptable to code the diagnosis of COVID-19 based on testing that was NOT performed at your facility if it is accompanied by appropriate documentation in the medical record by the provider.			
	Code no if documentation ONLY included antibody testing (IgG).			
Delivery System Component Embolization	A component of the delivery system became detached and embolized into the heart or vascular system of the patient.		112000001841	ACC NCDR
Device Embolization	The device became displaced from its initial implantation site so that it is no longer in its original		112000001324	ACC NCDR





Section: In-Hospit	al Event Information	Parent: Lab Visit		
	position.			
Device Migration	Device migration of the prosthetic valve is x-ray confirmed movement of the valve from its initial implantation site such that there is a change in valve orientation within the aortic outflow track resulting in a new echocardiographic confirmed flow disturbance (pre- and post- filmed documentation). Note: Code device embolization if the device is outside of the outflow tract.		370512004	SNOMED CT
Device Related Event - Other	Indicate if an otherwise unspecified device-related event requiring unanticipated treatment occurred. This includes any delivery system related event.		112000001828	ACC NCDR
Device Thrombosis	Any thrombus attached to or near the valve that was implanted during the procedure that occludes part of the blood flow path, interferes with valve function, or is sufficiently large to warrant treatment.	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	112000001839	ACC NCDR
Dialysis (New Requirement)	Acute or worsening renal failure necessitating a new requirement for renal dialysis (renal dialysis includes hemodialysis and peritoneal dialysis). If a patient is on receiving continuous veno-venous hemofiltration (CVVH) as a result of renal failure (and not as treatment to remove fluid for heart failure), code yes.		100014076	ACC NCDR
Endocarditis	Confirmed diagnosis of endocarditis by blood culture and/or vegetation on or around a heart valve. This may include native tissue, ring or prosthetic valve involvement.	Society of Thoracic Surgeons (STS)	56819008	SNOMED CT
ICD	The patient developed a new dysrhythmia requiring insertion of an implantable cardioverter/defibrillator.		ACC-NCDR-ICD	ACC NCDR
Left Ventricular Outflow Tract Obstruction	Left ventricular outflow tract obstruction (pressure gradient assessed by with echo- Doppler velocities or by catheter-based pressure measurement) was documented in the medical record.		253546004	SNOMED CT
Mitral Leaflet or Subvalvular Injury	A mitral leaflet or subvalvular injury was detected during surgery or ascertained by echocardiogram.		112000001886	ACC NCDR
Myocardial Infarction	 A myocardial infarction (MI) is defined as an acute ischemic event that is associated with documented and clinically significant myocardial necrosis. The MI can be periprocedural (<72 hours after the procedure) or spontaneous (>72 hours after the procedure). 1. Peri-procedural MI (<72 h after the index procedure) (a) New ischemic symptoms (e.g. chest pain or shortness of breath), or new ischemic signs (e.g. ventricular arrhythmias, new or worsening heart failure, new ST-segment changes, hemodynamic instability, new pathological Q waves in at least two contiguous leads, imaging evidence of new loss of viable myocardium or new wall motion abnormality) AND (b) Elevated cardiac biomarkers (preferable CK-MB) within 72 h after the indexprocedure, consisting of at least one sample post-procedure with a peak value exceeding 15 x as the upper reference limit for troponin or 5 x forCK-MB.* If cardiac biomarkers are increased at baseline (>99th percentile), a further increase in at least 50% post-procedure is required AND the peak value must exceed the previously stated limit. 2. Spontaneous MI (_72 h after the index procedure) any one of the following criteria: (a) Detection of rise and/or fall of cardiac biomarkers (preferably troponin) with at least one value above the 99th percentile URL, together with the evidence of myocardial ischemia with at least 	Transcatheter Aortic Valve Implantation Clinical Trials (JACC, 2012, vol 60, No 15)	22298006	SNOMED CT





	al Event Information	Parent: Lab Visit		
	-Symptoms of ischemia -ECG changes indicative of new ischemia [new ST-T changes or new left bundle branch block (LBBB)]			
	-New pathological Q-waves in at least two contiguous leads -Imaging evidence of a new loss of viable			
	myocardium or new wall motion abnormality			
	(b) Sudden, unexpected cardiac death, involving cardiac arrest, often with symptoms suggestive of myocardial ischemia, and accompanied by presumably new ST elevation, or new LBBB, and/or evidence of fresh thrombus by coronary angiography and/or at autopsy, but death occurring before blood samples could be obtained or at a time before the appearance of cardiac biomarkers in the blood.			
	(c) Pathological findings of an acute myocardial infarction.			
Pacemaker Lead Dislodgement or Dysfunction	Pacemaker lead dislodgement or pacemaker dysfunction was documented in the medical record		112000001884	ACC NCDF
Percutaneous Coronary Intervention	A PCI is the placement of an angioplasty guide wire, balloon, or other device (e.g. stent, atherectomy, brachytherapy, or thrombectomy catheter) into a native coronary artery or coronary artery bypass graft for the purpose of mechanical coronary revascularization.		415070008	SNOMED CT
Permanent Pacemaker	The patient developed a new dysrhythmia requiring insertion of a permanent pacemaker.		449397007	SNOMED C
Pulmonary Embolism	Intravascular migration of a venous thrombus to the pulmonary arterial circulation. A 'Proved Pulmonary Embolism' is proved by a positive pulmonary angiogram, an unequivocally positive helical CT scan, a high-probability ventilation- perfusion scan, or autopsy.	Banovac, F., et al. Reporting Standards for Endovascular Treatment of Pulmonary Embolism. Journal of Vascular Interventional Radiology 2010; 21:44–53	59282003	SNOMED C
Reintervention - Aortic Valve	The patient returned to the operating room or cath lab for any aortic valve re-intervention.		112000001827	ACC NCDF
	Note: Please complete adjudication worksheet for every documented aortic valve reintervention, regardless of type of reintervention.			
Reintervention - Mitral Valve	The patient returned to the operating room or cath lab for any mitral valve re-intervention.		112000001893	ACC NCDF
	Note: Please complete adjudication worksheet for every documented mitral valve reintervention, regardless of type of reintervention.			
Reintervention - Tricuspid Valve	The patient returned to the operating room or cath lab for any tricuspid valve re-intervention.		112000001820	ACC NCDF
	Note: Please complete adjudication worksheet for every documented tricuspid valve reintervention, regardless of type of reintervention.			
Single Leaflet Device Attachment	Single leaflet device attachment was documented in the medical record.		112000001538	ACC NCDF
Stroke - Hemorrhagic	An acute episode of focal or global cerebral or spinal dysfunction caused by intraparenchymal, intraventricular or subarachnoid hemorrhage.	Hicks, K., Tcheng, J. 2014 ACC/AHA Key Data Elements and Definitions for Cardiovascular Endpoint Events in Clinical Trials A Report of the ACC/AHA Task Force on Clinical Data Standards	230706003	SNOMED C
	Note: Subdural hematomas are intracranial hemorrhagic events and not strokes.	(Writing Committee to Develop Cardiovascular Endpoints Data Standards). JACC 2015, 66 (4), p 403-469		
Stroke - Ischemic	An acute episode of focal cerebral, spinal, or retinal dysfunction caused by infarction of central nervous system tissue.	Hicks, K., Tcheng, J. 2014 ACC/AHA Key Data Elements and Definitions for Cardiovascular Endpoint Events in Clinical Trials A Report of the ACC/AHA Task Force on Clinical Data Standards	422504002	SNOMED C
	Note: Hemorrhage may be a consequence of ischemic stroke. In this situation, the stroke is an ischemic stroke with hemorrhagic transformation and not a hemorrhagic stroke.	(Writing Committee to Develop Cardiovascular Endpoints Data Standards). JACC 2015, 66 (4), p 403-469		
Stroke - Undetermined	A stroke of undetermined origin is defined as an acute episode of focal or global neurological dysfunction caused by presumed brain, spinal	Hicks KA, Tcheng JE, Bozkurt B, et al. 2014 ACC/AHA Key Data Elements and Definitions for Cardiovascular Endpoint Events in Clinical Trials: A	230713003	SNOMED C





Section: In-Hospita	al Event Information	Parent: Lab Visit		
	cord, or retinal vascular injury as a result of hemorrhage or infarction but with insufficient information to allow categorization as ischemic or hemorrhagic.	Report of the American College of Cardiology/American Heart Association Task Force on Clinical Data Standards (Writing Committee to Develop Cardiovascular Endpoints Data Standards). J Am Coll Cardiol. 2015;66 (4):403-469. doi:10.1016/j.jacc.2014.12.018.		
Transient Ischemic Attack (TIA)	A transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.	Society for Thoracic Surgeons (STS)	266257000	SNOMED CT
Transseptal Complication	The patient experienced an adverse event as a result of the transseptal access.		112000001833	ACC NCDR
Vascular Complication - Major	Major vascular complications include any of the following: 1. Any aortic dissection, aortic rupture, annulus rupture, left ventricle perforation, or new apical aneurysm/pseudo-aneurysm; 2. Access site or access-related vascular injury (dissection, stenosis, perforation, rupture, arteriovenous fistula, pseudoaneurysm, hematoma, irreversible nerve injury, compartment syndrome, percutaneous closure device failure) leading to death, life threatening or major bleeding*, visceral ischemia or neurological impairment; 3. Distal embolization (non-cerebral) from a vascular source requiring surgery or resulting in amputation or irreversible end-organ damage; 4. The use of unplanned endovascular or surgical intervention associated with death, major bleeding visceral ischemia documented by patient symptoms, physical exam, and/or decreased or absent blood flow on lower extremity angiogram; 6. Surgery for access site-related nerve injury; 7. Permanent access site-related nerve injury; 7. Refers to VARC bleeding definitions Note: "ipsilateral lower extremity" was removed from #5 to have the ability to account for ischemia from any access site.	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	11200000460	ACC NCDR
Vascular Complication - Minor	Minor vascular complications include any of the following: 1. Access site or access-related vascular injury (dissection, stenosis, perforation, rupture, arteriovenous fistula, pseudoaneuysms, hematomas, percutaneous closure device failure) not leading to death, life-threatening or major bleeding*, visceral ischemia or neurological impairment; 2. Distal embolization treated with embolectomy and/or thrombectomy and not resulting in amputation or irreversible end-organ damage; 3. Any unplanned endovascular stenting or unplanned surgical intervention not meeting the criteria for a major vascular complication; 4. Vascular repair or the need for vascular repair (via surgery, ultrasound-guided compression, transcatheter embolization, or stent-graft). *Refers to VARC bleeding definitions	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	112000001823	ACC NCDR
Vascular Surgery or Intervention - Unplanned	The patient required unplanned vascular surgery or intervention to correct a bleeding complication or vascular related complication. Note: If a balloon angioplasty of the access site or access related sites is performed as a routine procedure to ensure adequate hemostasis of the site, then this would not qualify as an Unplanned Vascular Surgery or Intervention. However, if a balloon angioplasty is performed in an attempt to treat a bleeding or vascular access complication (i.e. bleeding at access site, dissection, stenosis, narrowing of vessel, etc.), then Unplanned Vascular Surgery or Intervention should be captured.	,	11200000467	ACC NCDR





Element: 14313	Adjudication Event Date	Technical Specification
	Indicate the date the clinical event being adjudicated occurred.	Code: 112000001816 Code System
Target Value:	N/A	Name:
Vendor Instruction:	The Adjudication Event Date (14313) / Adjudication Event Code (14312) must match with Intra or Post-Procedure Event Date (14275) / Intra or Post Procedure Event Code (12153)	Short Name: AJ_EventDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element:
		Data Type: DT
		Precision: Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Reintervention - Aortic Valve
		Element: 14312 Adjudication Event
		Operator: Equal Value: Reintervention - Mitral Valve
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Hemorrhagic
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Ischemic
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Undetermined Element: 14312 Adjudication Event
		Element: 14312 Adjudication Event Operator: Equal
		Value: Transient Ischemic Attack (TIA)
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Reintervention - Tricuspid Valve





Section: In-Hospital Eve	nt Information Parent: Lab Visit	
lement: 14314	Adjudication Status	Technical Specification
Codina Instruction.		Code: 112000001817
Coding Instruction:	Indicate whether the patient was alive or deceased on the date the adjudication was performed.	Code System Name: ACC NCDR
Target Value:	N/A	Short Name: AJ_Status
Vendor Instruction:	Adjudication Status (14314) as 'Deceased' must be answered only once in the episode.	Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Reintervention - Aortic Valve
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Reintervention - Mitral Valve
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Hemorrhagic Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Ischemic
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Undetermined
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Transient Ischemic Attack (TIA)
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Reintervention - Tricuspid Valve
		Element: 14313 Adjudication Event Date
		Operator:

Adjudication Life Status - 1.3.6.1.4.1.19376.1.4.1.6.5.726

Selection	Definition	Source	Code	Code System Name
Alive			438949009	SNOMED CT
Deceased			20	HL7 Discharge disposition





Section: In-Hospital Eve	ent Information Parent: Lab Visit	
Element: 14315	Adjudication Date of Death	Technical Specification
Coding Instruction:	Indicate the date the patient was declared dead.	Code: 399753006
Target Value:		Code System Name: SNOMED CT
-	Adjudication Date of Death (14315) must be Greater than or Equal to Adjudication Event Date (14313)	Short Name: AJ_DeathDate Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14314 Adjudication Status Operator: Equal Value: Deceased
Element: 14462	In Hospital Clinical Comments	Technical Specification
	In Hospital Clinical Comments Provide information and details that may assist in assessing the event(s) being adjudicated.	Code: 423016009 Code System Name: SNOMED CT
Target Value:		Short Name: AJ_CommentsInHosp Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: ST Precision: 1000 Selection Type: Single Unit of Measure:





ection: Stroke Or TIA	Parent: In-H	Parent: In-Hospital Event Information		
ment: 14316	Symptom Onset Date	Technical Specification		
Coding Instruction.		Code: 11200000125		
Target Value:	Indicate the date of symptom onset of the neurologic deficit. N/A	Code System Name: ACC NCDR		
0		Short Name: AJ_SxOnset		
		Missing Data: Report		
		Harvested: Yes (TAVR, TMVR, TMVrpr)		
		Is Identifier: No		
		Is Base Element: Yes		
		ls Followup Element:		
		Data Type: DT		
		Precision:		
		Selection Type: Single		
		Unit of Measure:		
		Default Value: Null		
		Usual Range:		
		Valid Range:		
		Data Source: User		
		Parent/Child Validation		
		Element: 14312 Adjudication Event		
		Operator: Equal		
		Value: Stroke - Hemorrhagic		
		Element: 14312 Adjudication Event		
		Operator: Equal		
		Value: Stroke - Ischemic		
		Element: 14312 Adjudication Event		
		Operator: Equal		
		Value: Stroke - Undetermined		
		Element: 14312 Adjudication Event		
		Operator: Equal		
		Value: Transient Ischemic Attack (TIA)		
		Element: 14273 Transcatheter Valve Therapy Procedure Type		
		Operator: Equal		
		Value: TAVR		
		Element: 14273 Transcatheter Valve Therapy Procedure Type		
		Operator: Equal		
		Value: TMVR		
		Element: 14273 Transcatheter Valve Therapy Procedure Type		
		Operator: Equal		
		Value: TMVr		





Section: Stroke Or TIA	Parent: In-Hospital Event In	nformation
lement: 14317	Neurologic Deficit with Rapid Onset	Technical Specification
	· · · · · · · · · · · · · · · · · · ·	Code: 264552009
Coding Instruction:	Indicate if the patient had a sudden onset of a focal or global neurologic deficit (regardless of the duration of symptoms) with at least one of the following present: change in level of	Code System Name: SNOMED CT
	consciousness, hemiplegia, hemiparesis, numbness or sensory loss affecting one side of the body, dysphasia or aphasia, hemianopia, amaurosis fugax, other neurological signs or	Short Name: AJ_NeuroDef
	symptoms consistent with a stroke.	Missing Data: Report
Target Value:		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Hemorrhagic
		Element: 14312 Adjudication Event Operator: Equal
		Value: Stroke - Ischemic
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Undetermined
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Transient Ischemic Attack (TIA)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr





Section: Stroke Or TIA		Parent: In-Hospital Event In	formation	
Element: 14318	Neurologic Deficit Clinical Presentation		Technica	al Specification
Coding Instruction:	Indicate the clinical presentation of the neurologic deficit.		Code:	264552009
Target Value:	, o		Code System Name:	SNOMED CT
Target Value.			Short Name:	AJ_NeuroClinPresent
			Missing Data:	Report
				Yes (BDS, TAVR, TMVR,
				TMVrpr)
			Is Identifier: Is Base Element:	
			1. F . U	
			Element:	No
			Data Type:	CD
			Precision:	
			Selection Type:	Single
			Unit of Measure:	
			Default Value:	Null
			Usual Range:	
			Valid Range: Data Source:	lloor
				child Validation
				eurologic Deficit with Rapid
			Onset	eurologic Delicit with Rapid
			Operator: Equal	
			Value: Yes	
Neurologic Deficit Clinical Pre	sentation - 1.3.6.1.4.1.19376.1.4.1.6.5.716			
Selection [Definition Sour	ce		ode Code System Na
ΓIA or Stroke (CVA)			100014	
Non Stroke Neurologic Deficit			11200000	1860 ACC NC
Element: 14319	Neurologic Symptom Duration Greater Than or Ed	qual to 24 hours		al Specification
Coding Instruction:	Indicate if the duration of the neurologic symptoms lasted >	= 24 hours.		308921004
Target Value:			Code System Name:	SNOMED CT
-			Short Name:	AJ_NeuroSymptDuration
			Missing Data:	
				Yes (TAVR, TMVR, TMVrpr)
			Is Identifier:	
			Is Base Element: Is Followup	
			Element:	No
			Dete Turner	R

Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User

Value: TIA or Stroke (CVA)

Operator: Equal

 Parent/Child Validation

 Element:
 14318
 Neurologic Deficit Clinical

 Presentation
 Presentation





Section: Stroke Or TIA		Parent: In-Hospital Event Info	ormation
Element: 14320	Brain Imaging Performed		Technical Specification
Coding Instruction:			Code: 441986001
Target Value:	Indicate if neuroimaging was performed. N/A		Code System Name: SNOMED CT
runget value.			Short Name: AJ_BrainImag
			Missing Data: Report
			Harvested: Yes (TAVR, TMVR, TMVrpr)
			Is Identifier: No
			Is Base Element: Yes
			Is Followup No
			Data Type: BL Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
		E	Element: 14318 Neurologic Deficit Clinical
			Presentation
		0	Perator: Equal
		I	Value: TIA or Stroke (CVA)
Element: 14349	Brain Imaging Type		Technical Specification
			Code: 441986001
Coding Instruction: Target Value:	Indicate the type of neuroimaging performed. N/A		Code System Name: SNOMED CT
			Short Name: AJ_BrainImageType
			Missing Data: Report
			Harvested: Yes (TAVR, TMVR, TMVrpr)
			Is Identifier: No
			Is Base Element: Yes
			ls Followup Element:
			Data Type: CD
			Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 14320 Brain Imaging Performed
		o	perator: Equal Value: Yes
	70 4 4 4 0 5 447		Value: 185
maging Type - 1.3.6.1.4.1.1937 Selection		Source	Code Code System Na
Computed Tomography			77477000 SNOMED
Computed Tomography with			11200001861 ACC NO
Contrast			
lagnetic Resonance Imaging			113091000 SNOMED

 Magnetic Resonance Imaging
 113091000
 SNOMED CT

 Magnetic Resonance Imaging
 51619007
 SNOMED CT

 with Contrast
 11200001862
 ACC NCDR

 Other Imaging
 11200001862
 ACC NCDR





Element: 14350	Brain Imaging Findings	Technical Specification
	Indicate the type of deficit found as a result of the neuroimaging study.	Code: 112000001979 Code System ACC NCDR Name: BL-Find Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr) Is Identifier: No Is Base Element: Yes Is Followup No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
		Parent/Child Validation
		Element: 14320 Brain Imaging Performed
		Operator: Equal Value: Yes

Selection	Definition	Source	Code	Code System Name
Infarct	Neuroimaging evidence of CNS infarction in the	Adapted from: Lansky, A.J., et al. Proposed	55641003	SNOMED CT
	corresponding vascular territory (brain, spinal cord, or	Standardized Neurological Endpoints for		
	retinal cell death), with or without hemorrhage.	Cardiovascular Clinical Trials (An Academic Research		
		Consortium Initiative) JACC 2017, 69 (6): 679-690		
Hemorrhage	Neuroimaging evidence of central nervous system	Adapted from: Lansky, A.J., et al. Proposed	50960005	SNOMED CT
-	(CNS) hemorrhage within the brain parenchyma,	Standardized Neurological Endpoints for		
	subarachnoid space, ventricular system, spinal cord,	Cardiovascular Clinical Trials (An Academic Research		
	or retina that is not caused by trauma.	Consortium Initiative) JACC 2017, 69 (6): 679-690		
No Deficit			100001231	ACC NCDR





Section: Stroke Or TIA		Parent: In-Hospital Event Inforr	mation	
Element: 14351	Event Related Sequelae		Technical	Specification
	· · · · · · · · · · · · · · · · · · ·		Code: 362	2977000
Coding Instruction: Target Value:	Indicate the sequelae related to the stroke or TIA.		Code System Name: SNO	OMED CT
			Short Name: Adj	_ERS
			Missing Data: Rep	port
				s (BDS, TAVR, TMVR, Vrpr)
			Is Identifier: No	
		1	Is Base Element: Yes	
			Is Followup Element: No	
			Data Type: CD	
			Precision:	
			Selection Type: Mul	ltiple
			Unit of Measure:	
			Default Value: Null	I
			Usual Range:	
			Valid Range:	
			Data Source: Use	er
			Parent/Chi	Id Validation
		Ele	ement: 14318 Neur Presentation	ologic Deficit Clinical
		Ope	erator: Equal	
			Value: TIA or Stroke ((CVA)
vent Related Sequelae - 1.3.6	.1.4.1.19376.1.4.1.6.5.737			
Selection D	Definition S	ource	Cod	e Code System Nan
Death			41962000	SNOMED (
Permanent Vegetative State			72315100	5 SNOMED (

ocicetion	Demindon	Cource	oouc	oouc oystem Name
Death			419620001	SNOMED CT
Permanent Vegetative	e State		723151005	SNOMED CT
Altered Consciousne	SS		3006004	SNOMED CT
Blindness			193699007	SNOMED CT
Aphasia			87486003	SNOMED CT
Loss of Motor Function	ิวท		112000001936	ACC NCDR
Loss of Sensory Fun	ction		33653009	SNOMED CT
Facial Paralysis			280816001	SNOMED CT
Prolonged Length of S	Stay		112000001937	ACC NCDR
Other			100000351	ACC NCDR





Section: Stroke Or TIA		Parent: In-Hospital Event Information
Element: 14352	Discharge Location After Event	Technical Specification
Coding Instruction:	Indicate the discharge location after the stroke or TIA.	Code: 75528-0
Target Value:	-	Code System Name:
. a. got talaol		Short Name: AJ_DLAE
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element:
		Element: NO
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14314 Adjudication Status
		Operator: Equal
		Value: Alive
		AND
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Hemorrhagic Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Ischemic
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Stroke - Undetermined
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Transient Ischemic Attack (TIA)
		AND
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TMVR
		1
charge Location - 1.3.6.1.4.		
lection D	Definition Sc	urce Code System I

Selection	Definition	Source	Code	Code System Name
Home			01	HL7 Discharge disposition
Skilled Nursing Facility	Skilled nursing facilities (SNF) are programs used for longer anticipation of the second strain of the second strains of the second		03	HL7 Discharge disposition
	Note: Sometimes SNFs may have beds within their facility. If the pa a SNF for acute rehab (requiring code "extended care/TCU/rehab"	tient is discharged to a higher level of care),		
Extended Care/TCU/Rehab	An extended care unit, transitiona unit typically provides a high leve as well as specialized nursing an discharge setting may also be ca long term acute care (LTACH).	of intensive therapy d physician care. This	62	HL7 Discharge disposition
Other Acute Care Hospital			02	HL7 Discharge disposition
Left Against Medical Advice (AMA)	The patient was discharged or elo advice.	ped against medical	07	HL7 Discharge disposition





Section: Stroke Or TIA	Parent: In-Hospital Event Information				
Other Discharge Location		100001249	ACC NCDF		
Element: 14421	Patient Discharged to Prior Place of Living	Technical Spe	cification		
Codina Instruction.	Indicate if the potient uses discharged to their price place of living	Code: 112000	001882		
Target Value:	Indicate if the patient was discharged to their prior place of living. N/A	Code System Name: ACC NO	DR		
Ū		Short Name: AJ_Price	orLiving		
		Missing Data: Report			
		Harvested: Yes (TA	AVR, TMVR, TMVrpr)		
		Is Identifier: No			
		Is Base Element: Yes			
		Is Followup No			
		Element:			
		Data Type: BL			
		Precision:			
		Selection Type: Single			
		Unit of Measure: Default Value: Null			
		Usual Range: Valid Range:			
		Data Source: User			
		Parent/Child V Element: 14314 Adjudica	tion Status		
		Operator: Equal			
		Value: Alive			
		AND			
			tion Event		
		Operator: Equal			
		Value: Stroke - Hemorrha	aic		
			tion Event		
		Operator: Equal			
		Value: Stroke - Ischemic			
			tion Event		
		Operator: Equal			
		Value: Stroke - Undetermi	ned		
		Element: 14312 Adjudica	tion Event		
		Operator: Equal			
		Value: Transient Ischemic	; Attack (TIA)		
		AND			
		Element: 14273 Transcat Procedure Type	heter Valve Therapy		
		Operator: Equal			
		Value: TAVR			
			theter Valve Therapy		
		Operator: Equal			
		Value: TMVr			
			theter Valve Therapy		
		Operator: Equal			
		Value: TMVR			





ment: 14353	Stroke Diagnosed During Autopsy	Technical Specific	ation
Coding Instruction:	Indicate if the stroke was diagnosed during autopsy.	Code: 5605004	
Target Value:	N/A	Code System SNOMED CT Name:	
		Short Name: AJ_AutDxStro	oke
		Missing Data: Report	
		Harvested: Yes (TAVR, T	MVR, TMVrpr)
		Is Identifier: No	
		Is Base Element: Yes	
		ls Followup Element:	
		Data Type: CD	
		Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Valida	
		Element: 14314 Adjudication St	atus
		Operator: Equal	
		Value: Deceased	
		AND	
		Element: 14312 Adjudication Ev	rent
		Operator: Equal	
		Value: Stroke - Hemorrhagic	
		Element: 14312 Adjudication Ev	rent
		Operator: Equal	
		Value: Stroke - Ischemic	t
		Element: 14312 Adjudication Ev	ent
		Operator: Equal Value: Stroke - Undetermined	
		Element: 14312 Adjudication Ev	/ent
		Operator: Equal	on
		Value: Transient Ischemic Attacl	k (TIA)
		Element: 14273 Transcatheter V Procedure Type	
		Operator: Equal	
		Value: TAVR	
		Element: 14273 Transcatheter Procedure Type	Valve Therapy
		Operator: Equal	
		Value: TMVr	
		Element: 14273 Transcatheter Procedure Type	Valve Therapy
		Operator: Equal	

Boolean with Information Not Available - 1.3.6.1.4.1.19376.1.4.1.6.5.718

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR
Information Not Available			112000001866	ACC NCDR





Section: AV Re-Interver	ntion	Parent: In-Hospital Event Inf	Parent: In-Hospital Event Information		
Element: 14354	Aortic Valve Reintervention Type		Technica	al Specification	
Codina Instruction.	Indicate the type of continued in minimum			112000001868	
Target Value:	Indicate the type of aortic valve reintervention.		Code System Name:	ACC NCDR	
· · · g · · · · · · ·			Short Name: A		
			Missing Data: F	Report	
			Harvested:	Yes (BDS, TAVR)	
			Is Identifier: N	No	
			Is Base Element:		
			Is Followup Element:	No	
			Data Type: (CD	
			Precision:		
			Selection Type: S	Single	
			Unit of Measure:		
			Default Value: N	Null	
			Usual Range:		
			Valid Range:		
			Data Source: l	Jser	
				hild Validation	
				djudication Event	
			Operator: Equal		
			Value: Reinterventi		
			•••••	AND	
			Element: 14273 Tr Procedure T	ranscatheter Valve Therapy	
			Operator: Equal		
			Value: TAVR		
/alve Reintervention Type - 1	.3.6.1.4.1.19376.1.4.1.6.5.719				
	Definition	Source	-	ode Code System Nar	
Surgical Replacement			112000001		
Surgical Repair			112000001		
ranscatheter Replacement			112000001	875 ACC NC	

Surgical Kepair11200001871ACC NCDRTranscatheter Replacement11200001875ACC NCDRBalloon Valvuloplasty11200001469ACC NCDRLeaflet Clip Procedure11200001778ACC NCDRParavalvular Leak Closure11200001916ACC NCDROther Transcatheter11200001873ACC NCDRIntervention11200001873ACC NCDR





Section: AV Re-Interver	tion	Parent: In-Hospital Event Inf	ormation		
Element: 14355	Aortic Valve Reintervention Primary Indication		Technic	al Spec	cification
Coding Instruction.	Indicate the primary indication for the reintervention. If more	a than one indication is present		1120000	
Coding instruction:	code the indication the operator feels has the highest sign		Code System Name:	ACC NC	DR
Target Value:	N/A		Short Name:	AJ_Prima	aryInd
			Missing Data:	Report	
			Harvested:		S, TAVR)
			Is Identifier:		
			Is Base Element:		
			Is Followup Element:	No	
			Data Type:	CD	
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
					alidation
				Adjudicatio	on Event
			Operator: Equal		
			Value: Reinterver		
				AND	
			Element: 14273 T Procedure		eter Valve Therapy
			Operator: Equal		
			Value: TAVR		
alve Reintervention Indication	n - 1.3.6.1.4.1.19376.1.4.1.6.5.720				
election [Definition Sou	ce		Code	Code System Na
Regurgitation				5007	SNOMED
stenosis			4424	1007	SNOMED

Regurgitation	40445007	SNOMED CT
Stenosis	44241007	SNOMED CT
Device Embolization	112000001324	ACC NCDR
Device Fracture	112000001891	ACC NCDR
Device Migration	370512004	SNOMED CT
Endocarditis	56819008	SNOMED CT
Paravalvular Leak	234184000	SNOMED CT
Device Thrombosis	112000001839	ACC NCDR
Valve Injury	762610001	SNOMED CT
Other	100000351	ACC NCDR



Mild

Moderate

Severe



11200000380

11200000381

11200000382

ACC NCDR

ACC NCDR

ACC NCDR

Section: AV Re-Interve	ention	Parent: In-Hospital Eve	nt Information	
Element: 14356	Aortic Valve Regurgitation		Technical Spe	ecification
	: Indicate the highest level of aortic regurgitati	on prior to the aortic valve reintervention.	Code: 112000 Code System Name: ACC NC Short Name: AJ_AIS Missing Data: Report Harvested: Yes (BI Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User	001869 CDR Sev
			Parent/Child V Element: 14355 Aortic Va	/alidation alve Reintervention
			Primary Indication Operator: Equal Value: Regurgitation	
	- 1.3.6.1.4.1.19376.1.4.1.6.5.767			
Selection	Definition	Source	Code	Code System Nam
None			112000001910	ACC NCD
Trace/Trivial			112000001911	ACC NCE





lement: 14357	Paravalvular Aortic Regurgitation	Technical Specification
Cadina Instruction.	•••	Code: 112000001428
Coding Instruction:	Indicate the highest severity of paravalvular regurgitation prior to the aortic valve reintervention.	Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".	Short Name: AJ_PVSev
		Missing Data: Report
Target Value:	N/A	Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14356 Aortic Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 14356 Aortic Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 14356 Aortic Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 14356 Aortic Valve Regurgitation
		Operator: Equal Value: Trace/Trivial

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Element: 14358	Central Aortic Regurgitation	Technical Specification
0		Code: 112000001433
Coding Instruction:	Indicate the highest severity of central regurgitation prior to the aortic valve reintervention	Code System ACC NCDR Name:
	Note: If trace/trivial is documented, code "none".	Short Name: AJ_CenSev
Target Value:	N/A	Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: ^{No}
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation Element: 14356 Aortic Valve Regurgitation
		Element: 14356 Aortic Valve Regurgitation Operator: Equal
		Value: Mild
		Element: 14356 Aortic Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 14356 Aortic Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 14356 Aortic Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR

Element: 14359

Aortic Valve Area

Coding Instruction: Indicate the smallest aortic valve area (in cm squared).

Target Value: N/A

Code:	112000001280
Code System Name:	ACC NCDR
Short Name:	AJ_AVA
Missing Data:	Report
Harvested:	Yes (TAVR)
Is Identifier:	No
Is Base Element:	Yes
Is Followup Element:	No
Data Type:	PQ
Precision:	3,2
Selection Type:	Single
Unit of Measure:	cm2
Default Value:	Null
Usual Range:	0.20 - 4.00 cm2
Valid Range:	0.05 - 5.00 cm2
Data Source:	User
Parent/0	Child Validation
Element: 14355 A Primary Inc	Aortic Valve Reintervention
Operator: Equal	

Technical Specification

perator: Equal Value: Stenosis





Section: AV Re-Intervention		Parent: In-Hospital Event Information		
nent: 14282	Aortic Valve Mean Gradient	Technic	al Specification	
• • • • •		Code:	112000001398	
Coding Instruction: Target Value:	Indicate the aortic valve mean gradient in mm Hg.	Code System Name:	ACC NCDR	
		Short Name:	AJ_AVG	
		Missing Data:	Report	
		Harvested:	Yes (BDS, TAVR)	
		Is Identifier:	No	
		Is Base Element:	Yes	
		Is Followup Element:	No	
		Data Type:	PQ	
		Precision:	3,0	
		Selection Type:	Single	
		Unit of Measure:	mm[Hg]	
		Default Value:	Null	
		Usual Range:	5 - 50 mm[Hg]	
		Valid Range:	0 - 200 mm[Hg]	
		Data Source:	User	
		Parent/	Child Validation	
		Element: 14355 Primary In	Aortic Valve Reinterventior dication	
		Operator: Equal		
		Value: Stenosis		





lement: 14360	Mitral Valve Reintervention Type	Technical Specification
Coding Instruction	Indiasta tha tuna of mitral value reintervention	Code: 112000001868
Target Value:	Indicate the type of mitral valve reintervention. N/A	Code System Name: ACC NCDR
J		Short Name: MVReinType
		Missing Data: Report
		Harvested: Yes (BDS, TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element: No
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14312 Adjudication Event
		Operator: Equal
		Value: Reintervention - Mitral Valve
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVr

Valve Reintervention Type - 1.3.6.1.4.1.19376.1.4.1.6.5.719

Selection	Definition	Source	Code	Code System Name
Surgical Replacemen	t		112000001872	ACC NCDR
Surgical Repair			112000001871	ACC NCDR
Transcatheter Replace	cement		112000001875	ACC NCDR
Balloon Valvuloplasty	/		112000001469	ACC NCDR
Leaflet Clip Procedur	e		112000001778	ACC NCDR
Paravalvular Leak Cle	osure		112000001916	ACC NCDR
Other Transcatheter Intervention			112000001873	ACC NCDR





Section: MV Re-Intervention		Parent: In-Hospital Event Information		
Element: 14361	Mitral Valve Reintervention Indication	Technic	al Specification	
Cadina Instructions	Indicate the primery indication for the printer protion. If your then are		112000001825	
Coding Instruction:	Indicate the primary indication for the reintervention. If more than one code the indication the operator feels has the highest significance.	indication is present, Code System Name:	ACC NCDR	
Target Value:	N/A	Short Name:		
		Missing Data:	Report	
			Yes (BDS, TMVR, TMVrpr)	
		Is Identifier:		
		Is Base Element:		
		Is Followup Element:	No	
		Data Type:		
		Precision:	00	
		Selection Type:	Single	
		Unit of Measure:	0	
		Default Value:	Null	
		Usual Range:		
		Valid Range:		
		Data Source:	User	
		Parent/	Child Validation	
		Element: 14312	Adjudication Event	
		Operator: Equal		
		Value: Reinterver		
			AND	
		Element: 14273 Procedure	Transcatheter Valve Therap Type	
		Operator: Equal		
		Value: TMVR		
		Element: 14273 Procedure	Transcatheter Valve Therap Type	
		Operator: Equal		
		Value: TMVr		

Valve Reintervention Indication - 1.3.6.1.4.1.19376.1.4.1.6.5.720

Selection	Definition	Source	Code	Code System Name
Regurgitation			40445007	SNOMED CT
Stenosis			44241007	SNOMED CT
Device Embolization			112000001324	ACC NCDR
Device Fracture			112000001891	ACC NCDR
Device Migration			370512004	SNOMED CT
Endocarditis			56819008	SNOMED CT
Paravalvular Leak			234184000	SNOMED CT
Device Thrombosis			112000001839	ACC NCDR
Valve Injury			762610001	SNOMED CT
Other			100000351	ACC NCDR





Section: Tricuspid Valve Re-Intervention		Parent: In-Hospital Event In	Parent: In-Hospital Event Information		
Element: 14322	Tricuspid Valve Reintervention Type		Technica	al Speci	ification
Coding Instruction	Indicate the type of tricuspid valve re-intervention.			11200000	
Target Value:			Code System Name:	ACC NCDI	R
			Short Name:	AJ_TVRel	n
			Missing Data:	Report	
			Harvested:	Yes (TTVI	P)
			Is Identifier:	No	
			Is Base Element:		
			Is Followup	No	
			Element:		
			Data Type: Precision:	CD	
			Selection Type:	Single	
			Unit of Measure:	Sirigie	
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
			Parent/C		
				djudicatior	n Event
			Operator: Equal		
			Value: Reintervent		ispid Valve
				AND	· · · · · · · · · · · · · · · · · · ·
			Element: 14273 T Procedure		ter Valve Therapy
			Operator: Equal	Type	
			Value: Tricuspid V	alve Proce	edure
alve Reintervention Type - 1	3 6 1 4 1 19376 1 4 1 6 5 719				
		ource	C	ode	Code System Nar
Surgical Replacement			11200000	1872	ACC NCI
Surgical Repair			11200000	1871	ACC NC
ranscatheter Replacement			11200000	1875	ACC NC

Surgical Repair	11200001871	ACC NUDR
Transcatheter Replacement	112000001875	ACC NCDR
Balloon Valvuloplasty	112000001469	ACC NCDR
Leaflet Clip Procedure	112000001778	ACC NCDR
Paravalvular Leak Closure	112000001916	ACC NCDR
Other Transcatheter	112000001873	ACC NCDR
Intervention		



Device Fracture

Device Migration

Paravalvular Leak

Device Thrombosis

Endocarditis

Valve Injury

Other

Full Specifications **Data Dictionary v3.0**



112000001891

370512004

56819008

234184000

762610001

100000351

112000001839

ACC NCDR

SNOMED CT

SNOMED CT

ACC NCDR

SNOMED CT

ACC NCDR

Section: Tricuspid Valv	e Re-Intervention	Parent: In-Hospi	Parent: In-Hospital Event Information		
Element: 14347	Tricuspid Valve Reintervention Primary I	ndication	Technical Specification		
Codina Instantion			Code: 112000001825		
-	Indicate the primary indication for the tricuspid	aive re-intervention.	Code System Name: ACC NCDR		
Target Value	N/A		Short Name: AJ_TVInd		
			Missing Data: Report		
			Harvested: Yes (TTVP)		
			Is Identifier: No		
			Is Base Element: Yes		
			Is Followup Element: No		
			Data Type: CD		
			Precision:		
			Selection Type: Single		
			Unit of Measure:		
			Default Value: Null		
			Usual Range:		
			Valid Range:		
			Data Source: User		
			Parent/Child Validation		
			Element: 14312 Adjudication Event		
			Operator: Equal		
			Value: Reintervention - Tricuspid Valve		
			AND		
			Element: 14273 Transcatheter Valve Therapy Procedure Type		
			Operator: Equal		
			Value: Tricuspid Valve Procedure		
alve Reintervention Indication	on - 1.3.6.1.4.1.19376.1.4.1.6.5.720				
	Definition	Source	Code Code System Na		
Regurgitation			40445007 SNOMED		
otenosis			44241007 SNOMED		
evice Embolization			112000001324 ACC NC		





Section: Tricuspid	Valve Re-Intervention	Parent: In-Hospital Event Information
Element: 14383	Tricuspid Valve Regurgitation	Technical Specification
Coding Instruc		Code: 111287006
-	ction: Indicate the severity of tricuspid valve regurgitation.	Code System Name: SNOMED CT
Targot v		Short Name: AJ_TR
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14347 Tricuspid Valve Reintervention Primary Indication
		Operator: Equal
		Value: Regurgitation
alve Regurgitation Sev	rerity - 1.3.6.1.4.1.19376.1.4.1.6.5.767	
Selection	Definition S	ource Code Code System Nam
lone		112000001910 ACC NCE

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Trace/Trivial			112000001911	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR
001010			11200000002	





Element: 13763	Hemoglobin	Technic Code:	al Specification
Coding Instruction:	Indicate the hemoglobin (Hgb) value in g/dL.	Code: Code System	
Target Value:	The lowest value between end of current procedure and discharge	Name:	LOINC
-		Short Name:	PostProcHgb1
Supporting Definition:	-	Missing Data:	
	Hemoglobin (Hb or Hgb) is the iron-containing oxygen-transport metalloprotein in the red blood cells. It carries oxygen from the lungs to the rest of the body (i.e. the tissues) where it	Harvested:	Yes (BDS, TAVR, TMVR,
	releases the oxygen to burn nutrients and provide energy. Hemoglobin concentration	Is Identifier:	TMVrpr, TTVP)
	measurement is among the most commonly performed blood tests, usually as part of a	Is Base Element:	
	complete blood count. If the concentration is below normal, this is called anemia. Anemias are	Is Followup	
	classified by the size of red blood cells: "microcytic" if red cells are small, "macrocytic" if they are large, and "normocytic" if otherwise. Dehydration or hyperhydration can greatly influence	Element:	No
	measured hemoglobin levels.	Data Type:	PQ
	Source: http://s.details.loinc.org/LOINC/718-7.html?sections=Simple	Precision:	,
	,	Selection Type:	•
		Unit of Measure:	•
		Default Value:	
		-	5.00 - 20.00 g/dL 1.00 - 50.00 g/dL
		Data Source:	•
			Child Validation
			L L L L N L L D
			Hemoglobin Not Drawn
		Operator: Equal	-
			-
Flement: 14243	Hemodobin Not Drawn	Operator: Equal Value: No (or Not	t Answered)
Element: 14243	Hemoglobin Not Drawn	Operator: Equal Value: No (or Not	t Answered)
	Hemoglobin Not Drawn Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Technic Code: Code System	t Answered) cal Specification 718-7
	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Technic Code: Code System Name:	t Answered) cal Specification 718-7 LOINC
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Technic Code: Code System Name: Short Name:	t Answered) cal Specification 718-7 LOINC PProcHgbND
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Code System Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Code System Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single
Coding Instruction:	Indicate if a post-procedure hemoglobin was not collected.	Operator: Equal Value: No (or Not Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	t Answered) cal Specification 718-7 LOINC PProcHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes No BL Single Null





ement: 13616	12 Lead Electrocardiogram Performed	Technical Specification
Coding Instruction:	Indicate if post procedure 12 lead ECG was performed.	Code: 164847006
-		Code System Name: SNOMED CT
l'arget Value:	Any occurrence between end of current procedure and discharge	Short Name: POpEKG
		Missing Data: Report
		Harvested: Yes (TAVR, TMVR, TMVrp
		TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
ement: 13765	12 Lead Electrocardiogram Findings	Technical Specification
Coding Instruction:	Indicate the post procedure 12 lead ECG findings. If more than one ECG is performed,	Code: 112000001362
	document the findings from any ECG.	Code System Name: ACC NCDR
Target Value:	Any occurrence between end of current procedure and discharge	Short Name: PoP_EKGChange
Vendor Instruction	Cannot select option No Significant Changes with any other option: Pathological Q Wave,	Missing Data: Report
venuor instruction.	Cardiac Arrhythmia, New Left Bundle Branch Block, Pathological Q Wave, Cardiac Arrhythmia or New Left Bundle Branch Block	Harvested: Yes (TAVR, TMVR, TMVrp TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: CD
		Precision:
		Selection Type: Multiple Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13616 12 Lead Electrocardiogram Performed
		Operator: Equal

Selection	Definition	Source	Code	Code System Name
Cardiac Arrhythmia	The patient has a new onset of an atrial or ventricular arrhythmia requiring medication or other therapy. This includes brady or tachy arrhythmias.		698247007	SNOMED CT
No Significant Changes			112000001391	ACC NCDR
Pathological Q Wave			164918000	SNOMED CT
New Left Bundle Branch B	llock		100014019	ACC NCDR





Section: Post-Procedure Creatinine Parent: Post-Procedure Clinical Data **Technical Specification** Element: 10060 Creatinine Code: 2160-0 Code System LOINC Coding Instruction: Indicate the creatinine (Cr) level mg/dL. Name: Target Value: The last value on discharge Short Name: DCCreatinine Supporting Definition: Creatinine Missing Data: Report Creatinine or creatine anhydride, is a breakdown product of creatine phosphate in muscle. The Harvested: Yes (TAVR, TTVP) loss of water molecule from creatine results in the formation of creatinine. It is transferred to Is Identifier: No the kidneys by blood plasma, whereupon it is eliminated by glomerular filtration and partial Is Base Element: Yes tubular excretion. Creatinine is usually produced at a fairly constant rate and measuring its Is Followup No serum level is a simple test. A rise in blood creatinine levels is observed only with marked Element: damage to functioning nephrons; therefore this test is not suitable for detecting early kidney Data Type: PQ disease. Creatine and creatinine are metabolized in the kidneys, muscle, liver and pancreas. Precision: 4,2 Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Selection Type: Single Unit of Measure: mg/dL Default Value: Null Usual Range: 0.10 - 5.00 mg/dL Valid Range: 0.10 - 30.00 mg/dL Data Source: User Parent/Child Validation Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: Tricuspid Valve Procedure AND Element: 10061 Creatinine Not Drawn Operator: Equal Value: No (or Not Answered) **Technical Specification** Element: 10061 Creatinine Not Drawn Code: 2160-0 Coding Instruction: Indicate if a discharge creatinine level was not drawn. Code System LOINC Target Value: The last value on discharge Name: Short Name: DCCreatinineND Missing Data: Report Harvested: Yes (TAVR, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Transcatheter Valve Therapy Element: 14273 Procedure Type Operator: Equal Value: TAVR Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: Tricuspid Valve Procedure





Element: 13764	Creatinine	Technical Specification
Coding Instruction.	Indicate the past presedure creatining level in mg/dL. If more than one level is evollable, and	Code: 2160-0
Coding Instruction:	Indicate the post-procedure creatinine level in mg/dL. If more than one level is available, code the peak level.	Code System LOINC
Townet Volue		Name:
l'arget value:	The highest value between end of current procedure and discharge	Short Name: PoProc_Creat Missing Data: Report
Supporting Definition:	Creatinine	Harvested: Yes (BDS, TAVR, TMVR,
	Creatinine or creatine anhydride, is a breakdown product of creatine phosphate in muscle. The	TMVrpr, TTVP)
	loss of water molecule from creatine results in the formation of creatinine. It is transferred to	Is Identifier: No
	the kidneys by blood plasma, whereupon it is eliminated by glomerular filtration and partial tubular excretion. Creatinine is usually produced at a fairly constant rate and measuring its	Is Base Element: Yes
	serum level is a simple test. A rise in blood creatinine levels is observed only with marked	Is Followup No
	damage to functioning nephrons; therefore this test is not suitable for detecting early kidney	Element:
	disease. Creatine and creatinine are metabolized in the kidneys, muscle, liver and pancreas.	Data Type: PQ Precision: 4,2
	Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple	Selection Type: Single
		Unit of Measure: mg/dL
		Default Value: Null
		Usual Range: 0.10 - 9.00 mg/dL
		Valid Range: 0.10 - 30.00 mg/dL
		Data Source: User
		Parent/Child Validation
		Element: 14293 Highest Creatinine Not Drav
		Operator: Equal
		Value: No (or Not Answered)
Element: 14293	Highest Creatinine Not Drawn	Technical Specification
Coding Instruction:	Indicate if the highest creatinine level was not drawn.	Code: 2160-0
ocaling instruction.		
	-	Code System
Target Value:	-	Code System Name: LOINC
Target Value:	-	Code System Name: Short Name: HighCrea_ND
Target Value:	-	Code System Name: Short Name: HighCrea_ND Missing Data: Report
Target Value:	-	Code System Name: Short Name: HighCrea_ND
Target Value:	-	Code System Name: LOINC Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR,
Target Value:	-	Code System Name: Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes
Target Value:	-	Code System Name: Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup
Target Value:	-	Code System Name: LOINC Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No
Target Value:	-	Code System Name: LOINC Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup Element: No Data Type: BL
Target Value:	-	Code System Name: LOINC Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision:
Target Value:	-	Code System Name: LOINC Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup Element: No Data Type: BL Precision: Single
Target Value:	-	Code System Name: Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:
Target Value:	-	Code System Name: LOINC Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single Unit of Measure: Null
Target Value:	-	Code System Name: Short Name: HighCrea_ND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Selection Type: Single Unit of Measure:





Element: 13592	Echocardiogram Performed	Technical Specification
Coding Instruction:	Indicate the type of echo performed prior to discharge.	Code: 40701008
-		Code System SNOMED CT
Target value.	Any occurrence between end of current procedure and discharge	Short Name: POpTTEch
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR,
		TMVrpr, TTVP)
		Is Identifier: No Is Base Element: Yes
		Is Followup
		Element: No
		Data Type: CD
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13645 Echocardiogram Not Perform
		Operator: Equal
		Value: No (or Not Answered)
Echocardiogram Type - 1.3.6.1	.4.1.19376.1.4.1.6.5.526	Value: No (or Not Answered)
Selection [0.4.1.19376.1.4.1.6.5.526 Definition Source	Code Code System I
Selection E		
Fransesophageal Echocardiogram (TEE)		Code Code System I
Fransesophageal Echocardiogram (TEE)		Code Code System I 105376000 SNOM 433236007 SNOM
Selection E Transesophageal E Echocardiogram (TEE) Transthoracic Echo (TTE)		Code Code System I 105376000 SNOM 433236007 SNOM Technical Specification SNOM
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645	Definition Source	Code Code System I 105376000 SNOM 433236007 SNOM Technical Specification Code: 40701008
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM Technical Specification
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System SNOMED CT
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System Name:
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVR, TMVR)
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVR, TMVR)
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrp, TTVP) Is Identifier: No
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System SNOMED CT Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code: 40701008 Code: \$NOMED CT Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrp, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code 40701008 Code System SNOMED CT Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: No Data Type: BL
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System SNOMED CT Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: BL Precision:
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code: 40701008 Code: SNOMED CT Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVr, TMVrr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: Bale Precision: Selection Type: Single
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVr, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Data Type: BL Precision: Single Unit of Measure: Single
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code: 40701008 Code: SNOMED CT Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVr, TMVrr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup No Element: Data Type: Bale Precision: Selection Type: Single
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 13645 Coding Instruction: Element: 13645	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed.	Code Code System I 105376000 SNOM 433236007 SNOM 433236007 SNOM Technical Specification Code: 40701008 Code System Name: SNOMED CT Short Name: EchoND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: No Selection Type: Single Unit of Measure: Default Value: Default Value: Null





Element: 13493	Echocardiogram Date	Technical Specification
Coding Instruction:	Indicate the date the echocardiogram was performed.	Code: 40701008
-	Any occurrence between end of current procedure and discharge	Code System Name: SNOMED CT
Taiget value.	Any occurrence between end of current procedure and discharge	Short Name: POpTTEchDate
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR,
		TMVrpr, TTVP) Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element.
		Data Type: DT Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13592 Echocardiogram Performed Operator: Equal
		Value: Transesophageal Echocardiogram (TE
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
Element: 13495	Aortic Valve Area	Technical Specification
Coding Instruction:	Indicate the smallest aortic valve area (in cm2).	Code: 112000001280
-		Code System Name: ACC NCDR
Target value:	The lowest value between end of current procedure and discharge	Short Name: PP_AVArea
		Missing Data: Report
		Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes Is Followup _{No}
		Element: No
		Data Type: PQ
		Precision: 3,2
		Selection Type: Single
		Unit of Measure: cm2 Default Value: Null
		Usual Range: 0.20 - 4.00 cm2
		Valid Range: 0.05 - 5.00 cm2
		Data Source: User
		Parent/Child Validation Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TE AND
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TAVR





Element: 13675	Aortic Valve Mean Gradient	Technical Specification
Coding Instruction	Indicate the mean gradient (in mm Hg) across the aortic valve.	Code: 112000001398
-	The highest value between end of current procedure and discharge	Code System Name: ACC NCDR
· · · g · · · · · · ·	······································	Short Name: PP_AVMeanGradient
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 5 - 50 mm[Hg]
		Valid Range: 0 - 200 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure





Element: 13526	Aortic Valve Regurgitation		Technie	al Specification
Coding Instruction	Indicate the severity of aortic valve regurgitation.		Code:	60234000
county instruction:	indicate the seventy of aortic valve regulgitation.		Code System Name:	SNOMED CT
	If mild-moderate is documented, code as mild.		Name: Short Name:	
	If moderate-severe is documented, code as moderate		Missing Data:	-
Target Value:	The last value between end of current procedure and	I next procedure or discharge	-	Yes (BDS, TAVR, TTVP)
			Is Identifier:	
			Is Base Element:	
			Is Followup	No
			Element:	
			Data Type:	CD
			Precision:	
			Selection Type:	Single
			Unit of Measure: Default Value:	NL.U
			Usual Range:	INUII
			Valid Range:	
			Data Source:	User
			Baront/	Child Validation
				Transcatheter Valve Therapy
			Procedure	
			Operator: Equal	
			Value: TAVR	
			Element: 14273 Procedure	Transcatheter Valve Therapy Type
			Operator: Equal	
			Value: Tricuspid	/alve Procedure
				AND
				Echocardiogram Performed
			Operator: Equal	
			Value: Transthora	. ,
				Echocardiogram Performed
			Operator: Equal	hageal Echapordiagram (TEE)
			value: Transesop	hageal Echocardiogram (TEE)
alve Regurgitation Severity	1.3.6.1.4.1.19376.1.4.1.6.5.767			
Selection	Definition	Source		Code Code System Nar

Selection Definition	Source	Code	Code System Name
None	11200	00001910	ACC NCDR
Trace/Trivial	11200	00001911	ACC NCDR
Mild	11200	0000380	ACC NCDR
Moderate	11200	0000381	ACC NCDR
Severe	11200	0000382	ACC NCDR





lement: 13494	Mitral Regurgitation	Technical Specification
		Code: 48724000
Coding Instruction:	Indicate the severity of mitral valve regurgitation.	Code System Name: SNOMED CT
	If mild-moderate is documented, code as mild.	Short Name: PP_MR
Target Value:	The last value between end of current procedure and next procedure or discharge	Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13592 Echocardiogram Performed
		Operator: Equal Value: Transesophageal Echocardiogram (TE

Selection Definition Source Code Code System Name None 112000001910 ACC NCDR ACC NCDR Trace/Trivial 112000001911 Mild 11200000380 ACC NCDR Moderate 11200000381 ACC NCDR ACC NCDR Moderate-Severe 1000142345 ACC NCDR 11200000382 Severe





Element: 13677	Tricuspid Valve Regurgitation		Technic	al Specification
Coding Instruction	Indicate the severity of tricuspid valve regurgitation.			111287006
cooling instruction:	indicate the seventy of thouspid valve regulgitation.		Code System Name:	SNOMED CT
	If mild-moderate is documented, code as mild.			
	If moderate-severe is documented, code as moderate.		Short Name:	
Target Value:	The last value between end of current procedure and new	t procedure or discharge	Missing Data:	Yes (BDS, TAVR, TMVR, TTV
			Is Identifier:	
			Is Base Element:	
			Is Followup Element:	No
			Data Type:	CD
			Precision:	
			Selection Type:	Single
			Unit of Measure:	
			Default Value:	Null
			Usual Range:	
			Valid Range:	
			Data Source:	User
			Parent/	Child Validation
			Element: 14273	Transcatheter Valve Therapy
			Procedure	Туре
			Operator: Equal	
			Value: Tricuspid	
				Transcatheter Valve Therapy
			Procedure	Туре
			Operator: Equal	
			Value: TAVR	T
			Procedure	Transcatheter Valve Therapy
			Operator: Equal	Турс
			Value: TMVR	
				AND
				Echocardiogram Performed
			Operator: Equal	
			Value: Transthora	acic Echo (TTE)
				Echocardiogram Performed
			Operator: Equal	
			1.	hageal Echocardiogram (TEE)

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Trace/Trivial			112000001911	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Section: Post-Procedure	Echocardiogram Findings Paren	t: Post-Procedure
Element: 13779	Effective Regurgitant Orifice Area	Technical Specification
-	Indicate the effective regurgitant orifice area (EROA), in cm2. The highest value between end of current procedure and next proc	Short Name: PP_MV_EOA Missing Data: Report Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: PQ Precision: 2,1 Selection Type: Single
		Unit of Measure: cm2 Default Value: Null Usual Range: 0.1 - 5.0 cm2 Valid Range: 0.1 - 5.0 cm2 Data Source: User Parent/Child Validation
		Element: 13592 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13592 Echocardiogram Performed Operator: Equal Value: Transesophageal Echocardiogram (TEE) AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type Operator: Equal Value: TMVR Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal Value: TMVr
Element: 13769	Effective Regurgitant Orifice Area Method of Assessmen	Technical Specification
Coding Instruction:	Indicate the method used to assess the effective regurgitant orifice a	
Target Value:	are available, code the 3D planimetry method first, then PISA. Any occurrence between end of current procedure and discharge	Name: ACCINODR Short Name: PP_MV_EOA_MOA Missing Data: Report Harvested: Yes (TMVR, TMVrpr)

Parent/Child Validation

Element: 13779 Effective Regurgitant Orifice Area Operator:

Value: Any Value

Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User

Effective Regurgitant Orifice Area Method of Assessment - 1.3.6.1.4.1.19376.1.4.1.6.5.547

Selection	Definition	Source	Code	Code System Name
3D Planimetry			112000001438	ACC NCDR
Proximal Isovelocity S Area	Surface		112000001439	ACC NCDR
Quantitative Doppler			112000001440	ACC NCDR
Other			100000351	ACC NCDR





Element: 13770	Mitral Valve Mean Gradient	Technic	al Specification
Coding Instruction	Indicate the mean gradient (in mm Hg) across the mitral valve.	Code:	112000001191
-		Code System Name:	ACC NCDR
Target Value:	The highest value between end of current procedure and discharge		PP_MVMeanGradient
Supporting Definition:	Mitral Valve Mean Gradient	Missing Data:	
	The average gradient across the mitral valve occurring during the entire systole.	-	Yes (BDS, TMVR, TMVrpr)
	Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis:	Is Identifier:	
	EAE/ASE	Is Base Element:	
	recommendations for clinical practice.	Is Followup	No
		Element:	
		Data Type:	
		Precision: Selection Type:	,
		Unit of Measure:	•
		Default Value:	
		Usual Range:	
		-	0 - 150 mm[Hg]
		Data Source:	User
		Parent/	Child Validation
		Element: 13592	Echocardiogram Performed
		Operator: Equal	
		Value: Transthora	acic Echo (TTE)
			Echocardiogram Performed
		Operator: Equal	
		Value: Transesop	hageal Echocardiogram (TEE
			AND
		Element: 14273 Procedure	Transcatheter Valve Therapy
		Operator: Equal	
		Value: TMVR	
		Element: 14273 Procedure	Transcatheter Valve Therapy
		Operator: Equal	
		Value: TMVr	





lement: 13771	Mitral Valve Area	Technical Specification
Coding Instruction:	Indicate the smallest mitral valve area in centimeters squared.	Code: 251012002
-		Code System Name: SNOMED CT
-	The lowest value between end of current procedure and discharge	Short Name: PP_MVArea
Supporting Definition:		Missing Data: Report
	Measurement of mitral valve area.	Harvested: Yes (TMVR)
	Source:	Is Identifier: No Is Base Element: Yes
		Is Followup Element: No
		Data Type: PQ
		Precision: 4,2 Selection Type: Single
		Unit of Measure: cm2
		Default Value: Null
		Usual Range: 3.00 - 6.00 cm2
		Valid Range: 0.05 - 12.00 cm2
		Data Source: User
		Parent/Child Validation
		Element: 13592 Echocardiogram Performed Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE AND
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: TMVR
		Technical Crecification
lement: 13772	Left Ventricular Outflow Tract Peak Velocity	Technical Specification Code: 11200002047
Coding Instruction:	Indicate the left ventricular outflow tract peak velocity in m/sec.	Code System Name: ACC NCDR
Target Value:	The highest value between end of current procedure and discharge	
		Short Name: PP_LVOT
		Missing Data: Report Harvested: Yes (BDS, TMVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element: NO Data Type: PQ
		Precision: 3,1
		Selection Type: Single
		Unit of Measure: m/sec
		Default Value: Null
		Usual Range: 0.5 - 5.0 m/sec
		Usual Range: 0.5 - 5.0 m/sec Valid Range: 0.1 - 10.0 m/sec
		Usual Range: 0.5 - 5.0 m/sec Valid Range: 0.1 - 10.0 m/sec Data Source: User
		Usual Range: 0.5 - 5.0 m/sec Valid Range: 0.1 - 10.0 m/sec Data Source: User Parent/Child Validation Element: 13592 Echocardiogram Performed Operator: Equal
		Usual Range: 0.5 - 5.0 m/sec Valid Range: 0.1 - 10.0 m/sec Data Source: User Parent/Child Validation Element: 13592 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE)
		Usual Range: 0.5 - 5.0 m/sec Valid Range: 0.1 - 10.0 m/sec Data Source: User Parent/Child Validation Element: 13592 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13592 Echocardiogram Performed
		Usual Range: 0.5 - 5.0 m/sec Valid Range: 0.1 - 10.0 m/sec Data Source: User Parent/Child Validation Element: 13592 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13592 Echocardiogram Performed Operator: Equal Value: Transesophageal Echocardiogram (TEE
		Usual Range: 0.5 - 5.0 m/sec Valid Range: 0.1 - 10.0 m/sec Data Source: User Parent/Child Validation Element: 13592 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13592 Echocardiogram Performed Operator: Equal
		Usual Range: 0.5 - 5.0 m/sec Valid Range: 0.1 - 10.0 m/sec Data Source: User Parent/Child Validation Element: 13592 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13592 Echocardiogram Performed Operator: Equal Value: Transesophageal Echocardiogram (TEE AND





ement: 13774	Systolic Anterior Motion Present		Techni	cal Specification
Coding Instruction:	Indicate if systolic anterior motion of the mitral valve was prese	nt		: 112000001481
-			Code Systen Name	ACC NCDR
Target Value:	Any occurrence between end of current procedure and di	arge	Short Name	
			Missing Data	
			Harvested	: Yes (TMVR)
			Is Identifier	: No
		Is E	ase Element	
			Is Followu	No
			Element Data Type	•
			Data Type Precision	
		Se	lection Type	
			t of Measure	•
			Default Value	: Null
			Usual Range	:
			Valid Range	:
			Data Source	: User
			Parent	Child Validation
		Elem	ent: 13592	Echocardiogram Performed
			tor: Equal	
				acic Echo (TTE)
				Echocardiogram Performed
			tor: Equal	phageal Echocardiogram (TEE)
				AND AND
				Transcatheter Valve Therapy
			tor: Equal ue: TMVR	





lement: 14507	Tricuspid Valve Diastolic Gradient	Technical Specification
		Code: 112000001512
Coding Instruction:	Indicate the post-procedure tricuspid valve diastolic gradient in mm Hg. This can also be called the TV inflow gradient.	Code System Name: ACC NCDR
Target Value:	: The highest value between end of current procedure and next procedure or discharge	Short Name: PP_TVDGrad
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: ^{No}
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 15 mm[Hg]
		Valid Range: 1 - 50 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 14508 Tricuspid Valve Diastolic Gradi Not Documented
		Operator: Equal
		Value: No (or Not Answered)





lement: 14508	Tricuspid Valve Diastolic Gradient Not	Documented	Technie	cal Specification
	· ·		Code:	112000001512
Coding Instruction: Target Value:	Indicate if the tricuspid valve diastolic gradient	t was not documented post-procedure.	Code System Name:	ACC NCDR
·			Short Name:	PP_TVDGradND
			Missing Data:	Report
			Harvested:	Yes (TTVP)
			Is Identifier:	No
			Is Base Element:	
			Is Followup	No
			Element:	
			Data Type:	
			Precision:	
			Selection Type: Unit of Measure:	•
			Default Value:	
			Usual Range:	
			Valid Range:	
			Data Source:	
			Parent/	Child Validation
				Transcatheter Valve Therapy
			Procedure	е Туре
			Operator: Equal	
			Value: Tricuspid	
) (INB
				Echocardiogram Performed
			Operator: Equal	
			Value: Transthora	
				Echocardiogram Performed
			Operator: Equal	
			Value: Transesop	hageal Echocardiogram (TEE)





ement: 14294	Tricuspid Valve Annulus Size	Technical Specification
O a d'a a la stant d'an		Code: 112000001513
Coding Instruction:	Indicate the tricuspid valve annulus size in mm. Documentation using end-diastolic, 4 chamber view is preferred.	Code System Name: ACC NCDR
Target Value:	The lowest value between end of current procedure and next procedure or discharge	Short Name: PP_TVAnnulus
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element: ^{No}
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm
		Default Value: Null
		Usual Range: 15 - 60 mm
		Valid Range: 1 - 80 mm
		Data Source: User
		Parent/Child Validation
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 14495 Tricuspid Valve Annulus Size N Documented
		Operator: Equal
		Value: No (or Not Answered)





Section: Post-Procedure	e Echocardiogram Findings	Parent: Post-Procedure		
ement: 14495	Tricuspid Valve Annulus Size Not Documented		Technical S	Specification
Coding Instruction:	Indicate if the tricuspid valve annulus size was not docum	antod	Code: 112	
-		enteu.	Code System Name: ACC	NCDR
Target Value:	N/A		Short Name: PP_	
			Missing Data: Rep	
			Harvested: Yes	
			Is Identifier: No	()
			Is Base Element: Yes	
			Is Followup	
			Element: NO	
			Data Type: BL	
			Precision:	
			Selection Type: Sing	le
			Unit of Measure:	
			Default Value: Null	
			Usual Range:	
			Valid Range:	
			Data Source: Use	r
			Parent/Chil	d Validation
			Element: 13592 Echoo	cardiogram Performed
			Operator: Equal	
			Value: Transthoracic E	cho (TTE)
				cardiogram Performed
			Operator: Equal	
				al Echocardiogram (TEE
				ND
			Element: 14273 Trans Procedure Type	
			Operator: Equal	
			Value: Tricuspid Valve	Procedure





lement: 14295	End Diastolic Mid Right Ventricle Diameter	Technical Specification
Coding Instruction:	Indicate the end-diastolic mid right ventricular (RV) diameter, using the 4 chamber	View (in cm)
-	Any occurrence between end of current procedure and discharge	Code System Name: ACC NCDR
	,	Short Name: PP_MidRVDia
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element: No
		Data Type: PQ
		Precision: 2,1
		Selection Type: Single
		Unit of Measure: cm
		Default Value: Null
		Usual Range: 1.0 - 7.0 cm
		Valid Range: 0.1 - 9.9 cm
		Data Source: User
		Parent/Child Validation
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13592 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND AND Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 14496 End Diastolic Mid Right Ventrick Diameter Not Documented
		Operator: Equal
		Value: No (or Not Answered)





bection: Post-Procedure	e Echocardiogram Findings	Parent: Post-Procedure		
ement: 14496	End Diastolic Mid Right Ventricle Dia	meter Not Documented	Technical	Specification
	Indicate if the end-diastolic mid right ventricu			2000001514 CC NCDR P_MidRVDiaND eport es (TTVP) es
			Selection Type: Si Unit of Measure: Default Value: Nu Usual Range: Valid Range: Data Source: Us	ll ser
			Element: 13592 Ech Operator: Equal Value: Transthoracio Element: 13592 Ech Operator: Equal Value: Transesophag	ocardiogram Performed geal Echocardiogram (TEE AND





Section: Post-Procedure	e Echocardiogram Findings	Parent: Post-Procedure	
Element: 14296	End Diastolic Basal Right Ventricle Diameter		Technical Specification
Coding Instruction:	Indicate the end-diastolic basal right ventricular (RV) diamet	er using the 4 chamber view (in	Code: 112000001515
ooung instruction.	cm).		Code System Name: ACC NCDR
Target Value:	Any occurrence between end of current procedure and dis	charge	Short Name: PP_BasalRVDia
			Missing Data: Report
			Harvested: Yes (TTVP)
			Is Identifier: No
			Is Base Element: Yes
			Is Followup Element:
			Element.
			Data Type: PQ Precision: 2.1
			Selection Type: Single
			Unit of Measure: cm
			Default Value: Null
			Usual Range: 1.0 - 7.0 cm
			Valid Range: 0.1 - 9.9 cm
			Data Source: User
			Parent/Child Validation
			Element: 13592 Echocardiogram Performed
			Operator: Equal
			Value: Transthoracic Echo (TTE)
			Element: 13592 Echocardiogram Performed
			Operator: Equal
			Value: Transesophageal Echocardiogram (TEE)
			AND
			Element: 14273 Transcatheter Valve Therapy Procedure Type
			Operator: Equal
			Value: Tricuspid Valve Procedure
			AND
			Element: 14497 End Diastolic Basal Right Ventricle Diameter Not Documented
			Operator: Equal
			Value: No (or Not Answered)





ement: 14497	End Diastolic Basal Right Ventricle Di	iameter Not Documented	Technic	al Specification
Coding Instruction:	Indicate if the end diastolic basal right ventric	ular (P)/) diamater was not desumanted		112000001515
Target Value:	-	ular (RV) diameter was not documented.	Code System Name:	ACC NCDR
C C			Short Name:	PP_BasalRVDiaND
			Missing Data:	Report
			Harvested:	Yes (TTVP)
			Is Identifier:	No
			Is Base Element:	
			Is Followup	No
			Element:	
			Data Type:	BL
			Precision:	
			Selection Type:	Single
			Unit of Measure:	
			Default Value:	Null
			Usual Range:	
			Valid Range:	
			Data Source:	User
			Parent/	Child Validation
			Element: 13592	Echocardiogram Performed
			Operator: Equal	
			Value: Transthora	acic Echo (TTE)
				Echocardiogram Performed
			Operator: Equal	
			Value: Transesop	hageal Echocardiogram (TE
				AND
			Element: 14273 Procedure	Transcatheter Valve Therap
			Operator: Equal	
			Value: Tricuspid	√alve Procedure





Section: Post-Procedure	e Echocardiogram Findings	Parent: Post-Procedure	
Element: 14297	Right Ventricular Systolic Pressure		Technical Specification
	Indicate the right ventricular systolic pressure	in mm Ha recorded post procedure. Note: If	Code: 276772001
Coding Instruction:	more than one RVSP documented, code the h		Code System Name: SNOMED CT
Target Value:	The highest value between end of current pro	ocedure and next procedure or discharge	Short Name: PP_RVSP
Supporting Definition:	RV Systolic Pressure		Missing Data: Report
	The maximum pressure exerted into the syste	mic arterial circulation during the contraction of	Harvested: Yes (TTVP) Is Identifier: No
	the right ventricle of the heart	Is Base Element: Yes	
	Source: NCI EVS		Is Followup Followup
			Element: No
			Data Type: PQ
			Precision: 3,0
			Selection Type: Single
			Unit of Measure: mm[Hg]
			Default Value: Null
			Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg]
			Data Source: User
			Parent/Child Validation
			Element: 13592 Echocardiogram Performed Operator: Equal
			Value: Transthoracic Echo (TTE)
			Element: 13592 Echocardiogram Performed
			Operator: Equal
			Value: Transesophageal Echocardiogram (TEE)
			AND
			Element: 14273 Transcatheter Valve Therapy Procedure Type
			Operator: Equal
			Value: Tricuspid Valve Procedure
			AND
			Element: 14498 Right Ventricular Systolic Pressure Not Documented
			Operator: Equal
			Value, No (or Not Anoward)

Value: No (or Not Answered)





Section: Post-Procedure	e Echocardiogram Findings	Parent: Post-Procedure		
Element: 14498	Right Ventricular Systolic Pressure N	ot Documented	Techni	cal Specification
Coding Instruction:	Indicate if the right ventricular systolic press	ire was not documented		276772001
••••			Code System Name	SNOMED CT
Target Value:	N/A		Short Name	PP_RVSYSND
Supporting Definition:	RV Systolic Pressure		Missing Data	
Supporting Demition.	•		Harvested	: Yes (TTVP)
	the right ventricle of the heart	emic arterial circulation during the contraction of	Is Identifier:	
	Source: NCI EVS		Is Base Element:	
	Source: NCIEVS		Is Followup Element	No
			Data Type	: BL
			Precision	:
			Selection Type:	: Single
			Unit of Measure:	:
			Default Value	: Null
			Usual Range	
			Valid Range	
			Data Source	User
			Parent	Child Validation
			Element: 13592	Echocardiogram Performed
			Operator: Equal	
			Value: Transthor	acic Echo (TTE)
			Element: 13592	Echocardiogram Performed
			Operator: Equal	
			Value: Transeso	phageal Echocardiogram (TE
				AND
			Element: 14273 Procedure	Transcatheter Valve Therap e Type
			Operator: Equal	
			Value: Tricuspid	Valve Procedure





Element: 14503	Paravalvular Aortic Regurgitation	Technical Specification
Coding Instruction:	Indicate the severity of paravalvular aortic valve regurgitation.	Code: 112000001428
county instruction.		Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".	Short Name: PP_ParaAR
Target Value:	The highest value between end of current procedure and discharge	Missing Data: Report
		Harvested: Yes (BDS, TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		AND
		Element: 14524 Paravalvular Aortic Regurgitation Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TAVR

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





lement: 14524	Paravalvular Aortic Regurgitation Not Documented	Technical Specification
		Code: 112000001428
Coding Instruction:	Indicate if the severity of paravalvular aortic valve regurgitation was not o procedure.	Code System Name: ACC NCDR
Target Value:	N/A	Short Name: PP_ParaARND
		Missing Data: Report
		Harvested: Yes (BDS, TAVR)
		Is Identifier: No
		Is Base Element: Yes
		ls Followup Element: No
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		AND
		Element: 14273 Transcatheter Valve Therap Procedure Type
		Operator: Equal
		Value: TAVR





Element: 14499	Central Aortic Regurgitation	Technical Specification
0	the direct of the second test of the second second test of the second se	Code: 112000001433
Coding Instruction:	Indicate the severity of central aortic valve regurgitation.	Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".	Short Name: PP_CentralAR
		Missing Data: Report
Target Value:	The highest value between end of current procedure and discharge	Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13526 Aortic Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		AND
		Element: 14487 Central Aortic Regurgitation Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TAVR

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





ment: 14487	Central Aortic Regurgitation Not Documented		Techni	cal Specification
	Indicate if central aortic valve regurgitation was not docu	montod		112000001433
Target Value:		nented.	Code System Name:	ACC NCDR
j			Short Name:	PP_CentralARND
			Missing Data:	Report
			Harvested:	Yes (TAVR)
			Is Identifier:	No
			Is Base Element:	Yes
			Is Followup	No
			Element.	
			Data Type:	
			Precision:	
			Selection Type:	· ·
			Unit of Measure:	
			Default Value:	
			Usual Range: Valid Range:	
			Data Source:	
				Child Validation
				Aortic Valve Regurgitation
		Ор	erator: Equal	
			Value: Mild	
				Aortic Valve Regurgitation
		Οβ	erator: Equal Value: Moderate	
				Aortic Valve Regurgitation
			erator: Equal	Autic valve Regulgitation
			Value: Severe	
				Aortic Valve Regurgitation
			erator: Equal	Aonie valve Regulgitation
		65	Value: Trace/Triv	vial
				Transcatheter Valve Therapy
			Procedure	
		Op	erator: Equal	
			Value: TAVR	





amant: 12766	Derevel wher Mitral Degurgitation		Technical Specification
lement: 13766	Paravalvular Mitral Regurgitation		Code: 112000001428
Coding Instruction:	Indicate the severity of paravalvular mitral valve regurgitation	on.	
	Nato: If trace/trivial is decumented, and "nano"		Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".		Short Name: PP_ParaMR
Target Value:	The highest value between end of current procedure and d	lischarge	Missing Data: Report
			Harvested: Yes (BDS, TMVR)
			Is Identifier: No
			Is Base Element: Yes
			Is Followup Element: No
			Data Type: CD
			Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 13494 Mitral Regurgitation
			Operator: Equal
			Value: Trace/Trivial Element: 13494 Mitral Regurgitation
			Element: 13494 Mitral Regurgitation Operator: Equal
			Value: Mild
			Element: 13494 Mitral Regurgitation
			Operator: Equal
			Value: Moderate
			Element: 13494 Mitral Regurgitation
			Operator: Equal
			Value: Severe
			Element: 13494 Mitral Regurgitation
			Operator: Equal Value: Moderate-Severe
			AND
			Element: 14273 Transcatheter Valve Therapy Procedure Type
			Operator: Equal
			Value: TMVR
			AND
			Element: 14525 Paravalvular Mitral Regurgitat Not Documented
			Operator: Equal

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name	
None			112000001910	ACC NCDR	
Mild			11200000380	ACC NCDR	
Moderate			11200000381	ACC NCDR	
Severe			11200000382	ACC NCDR	

Value: No (or Not Answered)





lement: 14525	Paravalvular Mitral Regurgitation Not Documented		Techn	ical Specification
Coding Instruction:	Indicate if the severity of paravalvular mitral regurgitation was not docume	ated	Code	e: 112000001428
-		C C	ode Systei Name	M ACC NCDR
Target Value:	N/A			e: e: PP ParaMRND
			issing Data	-
			-	d: Yes (BDS, TMVR)
			s Identifie	
		Is Ba	se Elemen	t: Yes
			ls Followu	P No
			Elemen	t:
			Data Type	
			Precision	
			ection Type of Measure	· ·
			of Measure	
			Isual Range	
			Valid Range	
			Data Source	
			Paren	t/Child Validation
		Eleme		Transcatheter Valve Therapy
			Procedu	re Type
			or: Equal	
			e: TMVR	
				7.110
			nt: 13494	Mitral Regurgitation
			or: Equal e: Mild	
			nt: 13494	Mitral Regurgitation
			r: Equal	initial regulgitation
			e: Moderat	e
			nt: 13494	Mitral Regurgitation
			r: Equal	
		Valu	e: Severe	
		Elemer	nt: 13494	Mitral Regurgitation
			r: Equal	
			e: Trace/Tr	
			nt: 13494	Mitral Regurgitation
			 r: Equal e: Moderat 	





lement: 13767	Central Mitral Regurgitation	Technical Specification
• • • • •		Code: 112000001433
Coding Instruction:	Indicate the severity of central mitral valve regurgitation.	Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".	Short Name: PP_CentralMR
Target Value:	The highest value between end of current procedure and discharge	Missing Data: Report
		Harvested: Yes (BDS, TMVR)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13494 Mitral Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13494 Mitral Regurgitation
		Operator: Equal Value: Moderate
		Element: 13494 Mitral Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13494 Mitral Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		Element: 13494 Mitral Regurgitation
		Operator: Equal
		Value: Moderate-Severe
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: TMVR
		AND
		Element: 14488 Central Mitral Regurgitation No
		Documented

Value: No (or Not Answered)

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





lement: 14488	Central Mitral Regurgitation Not Documented		Technical Specification
O sulla a la stantation			Code: 112000001433
Coding Instruction: Target Value:	Indicate if central mitral regurgitation was not documented.		Code System ACC NCDR Name:
			Short Name: PP_CentralMRND
			Missing Data: Report
			Harvested: Yes (BDS, TMVR)
			Is Identifier: No
		Is E	Base Element: Yes
			Is Followup Element:
			Data Type: BL
			Precision:
		Se	election Type: Single
			it of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
		Elem	ent: 14273 Transcatheter Valve Therapy
			Procedure Type
			tor: Equal
			lue: TMVR
			AND
			ent: 13494 Mitral Regurgitation
			tor: Equal
			Iue: Mild
			ent: 13494 Mitral Regurgitation
			tor: Equal lue: Moderate
			ent: 13494 Mitral Regurgitation
			tor: Equal
			lue: Severe
			ent: 13494 Mitral Regurgitation
			tor: Equal
		-	lue: Trace/Trivial
			ent: 13494 Mitral Regurgitation
			tor: Equal
		-	lue: Moderate-Severe





lement: 14505	Paravalvular Tricupsid Regurgitation	Technical Specification
Cadina Instruction.		Code: 112000001428
Coding instruction:	Indicate the severity of paravalvular tricuspid valve regurgitation.	Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".	Short Name: PP_ParaTR
Target Value:	The highest value between end of current procedure and discharge	Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup
		Element: NO
		Data Type: CD Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 14526 Paravalvular Tricupsid Regurgitation Not Documented
		Operator: Equal
		Value: No (or Not Answered)

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





ment: 14526	Paravalvular Tricupsid Regurgitation Not Documented		Technical Specification
Coding Instruction:	Indicate if the severity of paravalvular tricuspid regurgitation was not documented post-		Code: 112000001428
ooung instruction.	procedure	Cod	le System ACC NCDR Name:
Target Value:	N/A	Sh	ort Name: PP_ParaTRND
			sing Data: Report
			larvested: Yes (TTVP)
			Identifier: No
			Element: Yes
		Is	Followup Element:
			Data Type: BL
			Precision:
			tion Type: Single
			Measure:
		Defa	ault Value: Null
		Us	ual Range:
		Va	lid Range:
		Da	ta Source: User
			Parent/Child Validation
		Element:	14273 Transcatheter Valve Therapy Procedure Type
		Operator:	Equal
		Value:	Tricuspid Valve Procedure
			AND
		Element:	······································
		Operator:	•
		Value:	
		Element:	
		Operator:	Equal Moderate
		Element:	
		Operator:	
		-	Severe
		Element:	
		Operator:	1 0 0
			Trace/Trivial





lement: 14501	Central Tricupsid Regurgitation	Technical Specification
	Indicate the severity of central tricuspid valve regurgitation.	Code: 111287006
	Note: If trace/trivial is documented, code "none".	Code System Name: SNOMED CT
		Short Name: PP_CentralTR
Target Value:	The highest value between end of current procedure and discharge	Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup No
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		AND
		Element: 14273 Transcatheter Valve Therapy Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 14489 Central Tricupsid Regurgitatio Not Documented
		Operator: Equal
		Value: No (or Not Answered)

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





lamant: 44400	Operational Triange and Departmention Net D	Technical Specification
lement: 14489	Central Tricupsid Regurgitation Not Documented	Technical Specification Code: 111287006
Coding Instruction	: Indicate if central tricuspid valve regurgitation was not doo	umented. Code System SNOMED CT Name:
Target Value	: N/A	Name: SNOMED CI
Ū		Short Name: PP_CentralTRND
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: Yes
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14273 Transcatheter Valve Therapy
		Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND AND
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Moderate Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13677 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial





Section: Discharge	Parent: Root		
Element: 10100	Discharge Date	Technic	al Specification
Coding Instruction:	Indicate the date on which the patient was discharged from your facility.		1000142457
-	The value on discharge	Code System Name:	ACC NCDR
-		Short Name:	
Vendor Instruction:	Discharge Date (10100) must be Greater than or Equal to 01/01/2021	Missing Data:	Illegal
	Discharge Date (10100) and Arrival Date and Time (3001) must not overlap on multiple episodes		Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element: Is Followup	
		Element:	
		Data Type:	DT
		Precision:	
		Selection Type:	-
		Unit of Measure: Default Value:	
		Usual Range:	
		Valid Range:	
		Data Source:	User
Element: 10070	Discharge Provider Last Name		al Specification
Coding Instruction:	Indicate the last name of the discharge provider.	Code System	1000142453
-		Code System Name:	ACC NCDR
	Note(s): If the name exceeds 50 characters, enter the first 50 characters only.	Short Name:	DCLName
		Missing Data:	Report
	The completion of this data element is voluntary and at the discretion of your facility. NCDR will use the data to provide reporting at the physician level, which may assist physicians with		Yes (TAVR, TMVR, TMVrp TTVP)
	demonstrating value based care as well as support your facility's engagement in quality improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Is Identifier:	
	Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Base Element: Is Followup	
	record.	Element:	
Target Value:	The value on discharge	Data Type:	LN
		Precision:	
		Selection Type:	
		Unit of Measure: Default Value:	
		Usual Range:	
		Valid Range:	
		Data Source:	User
Element: 10071	Discharge Provider First Name		al Specification
Coding Instruction:	Indicate the first name of the discharge provider.	Code: Code System	1000142453
		Name:	
	Note(s): If the name exceeds 50 characters, enter the first 50 characters only.	Short Name:	DCFName
		Missing Data:	
	The completion of this data element is voluntary and at the discretion of your facility. NCDR will	Harvested:	Yes (TAVR, TMVR, TMVrpi TTVP)
	use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality	Is Identifier:	,
	improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Is Base Element:	Yes
	Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Followup	No
	record.	Element:	
Target Value:	The value on discharge	Data Type: Precision:	
		Selection Type:	
		Unit of Measure:	•
		Default Value:	Null
		Usual Range:	





lement: 10072	Discharge Provider Middle Name	Technic	al Specification
			1000142453
Coding Instruction:	Indicate the middle name of the discharge provider.	Code System	
	Note(s):	Name:	
	It is acceptable to specify the middle initial.	Short Name:	
	If there is no middle name given, leave field blank.	Missing Data: Harvested:	Yes (TAVR, TMVR, TMVrpr
	If there are multiple middle names, enter all of the middle names sequentially.	Is Identifier:	
	If the name exceeds 50 characters, enter the first 50 letters only.	Is Base Element: Is Followup	
		Element:	No
	The completion of this data element is voluntary and at the discretion of your facility. NCDR will	Data Type:	MN
	use the data to provide reporting at the physician level, which may assist physicians with demonstrating value based care as well as support your facility's engagement in quality	Precision:	
	improvement efforts. If completed, NCDR will defer to your facility's determination of assigning	Selection Type:	Single
	Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Unit of Measure:	
	record.	Default Value:	Null
Target Value:	The value on discharge	Usual Range:	
		Valid Range:	
		Data Source:	User
		T	
lement: 10073	Discharge Provider NPI		tal Specification
Coding Instruction:	Indicate the National Provider Identifier (NPI) of the provider that discharged the patient. NPI's,	Code System	
	assigned by the Centers for Medicare and Medicaid Services (CMS), are used to uniquely	Name:	ACC NCDR
	identify physicians for Medicare billing purposes.	Short Name:	DCNPI
	Note(s):	Missing Data:	Report
	The completion of this data element is voluntary and at the discretion of your facility. NCDR will	Harvested:	Yes (TAVR, TMVR, TMVrpr
	use the data to provide reporting at the physician level, which may assist physicians with		TTVP)
	demonstrating value based care as well as support your facility's engagement in quality	Is Identifier:	
	improvement efforts. If completed, NCDR will defer to your facility's determination of assigning Admitting, Attending, and Discharging Provider roles, as supported by the patient medical	Is Base Element:	
	record.	Is Followup Element:	
Terret Veluer	The value on discharge	Data Type:	
Target value:	The value on discharge	Precision:	
		Selection Type:	
		Unit of Measure:	•
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
lement: 10105	Discharge Status		al Specification
Coding Instruction:	Indicate whether the patient was alive or deceased at discharge.	Code: Code System	75527-2
Target Value	The value on discharge	Name:	
ranget value.		Short Name:	DCStatus
		Missing Data:	Illegal
		Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	
		Data Type	
		Data Type: Precision:	00
		Precision:	
		Precision: Selection Type:	Single
		Precision: Selection Type: Unit of Measure:	Single
		Precision: Selection Type: Unit of Measure: Default Value:	Single Null

 Selection
 Definition
 Source
 Code
 System Name

 Alive
 438949009
 SNOMED CT

 Deceased
 20
 HL7 Discharge disposition



Cardiac Rehab - 1.3.6.1.4.1.19376.1.4.1.6.5.334

Definition

Selection

Full Specifications **Data Dictionary v3.0**



Code

100014064

100014066

100014065

Code System Name

ACC NCDR

ACC NCDR

ACC NCDR

Section: Discharge	Parent: Root	
Element: 10116	Cardiac Rehabilitation Referral	Technical Specification
·	Indicate if the patient has been referred to an outpatient cardiac rehab program prior to hospital discharge. The referral may be to a traditional outpatient cardiac rehab program with face-to-face interactions and training sessions or may include other novel delivery options.	Code: 100014067 Code System Name: Short Name: DC_CardRehab
C C	The value on discharge Cardiac Rehabilitation Referral	Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
	1. Documented communication between the healthcare provider and the patient to recommend an outpatient CR program AND	Is Identifier: No Is Base Element: Yes
	 2A. Official referral order is sent to outpatient CR program OR 2B. Documentation of patient refusal to justify why patient information was not sent to the CR program 	Is Followup Element: Data Type: CD Precision:
	Source: Source: Thomas, R.J., et al. 2018 ACC/AHA Clinical Performance and Quality Measures for Cardiac Rehabilitation: A Report of the American College of Cardiology/American Heart Association Task Force on Performance Measures. Journal of the American College of	Selection Type: Single Unit of Measure: Default Value: Null
	Cardiology, Vol 71, Issue 16, April 2018, pages 1814-1837	Usual Range: Valid Range: Data Source: User
		Parent/Child Validation
		Element: 10105 Discharge Status Operator: Equal Value: Alive

Source

No - Reason Not Documented No - Medical Reason Patient deemed by a medical provider to have a Thomas, R.J., et al. 2018 ACC/AHA Clinical medically unstable, life-threatening condition or has Performance and Quality Measures for Cardiac Documented other cognitive or physical impairments that preclude Rehabilitation: A Report of the American College of CR participation. Cardiology/American Heart Association Task Force on Performance Measures. Journal of the American College of Cardiology, Vol 71, Issue 16, April 2018, pages 1814-1837 No - Health Care System Patient is discharged to a nursing care or long-term Thomas, R.J., et al. 2018 ACC/AHA Clinical Reason Documented care facility, or patient lacks medical coverage for CR. Performance and Quality Measures for Cardiac

		Rehabilitation: A Report of the American College of Cardiology/American Heart Association Task Force on Performance Measures. Journal of the American College of Cardiology, Vol 71, Issue 16, April 2018, pages 1814-1837		
No - Patient - Oriented Reason	No traditional CR program available to the patient, within 60 min [travel time] from the patient's home, or patient does not have access to an alternative model of CR delivery that meets all criteria for a CR program.	Thomas, R.J., et al. 2018 ACC/AHA Clinical Performance and Quality Measures for Cardiac Rehabilitation: A Report of the American College of Cardiology/American Heart Association Task Force on Performance Measures. Journal of the American College of Cardiology, Vol 71, Issue 16, April 2018, pages 1814-1837	112000000520	ACC NCDR
Yes			100013072	ACC NCDR





Section: Discharge		Parent: Root			
Element: 10110	Discharge Location		Technic	al Sp	pecification
Coding Instruction	Indicate the location to which the patient was dischard	and the second se	Code:		8-0
-	The value on discharge	jeu.	Code System Name:	LOIN	>
i al got i al ao			Short Name:	DCLo	cation
			Missing Data:	Repo	rt
			Harvested:		BDS, TAVR, TMVR, pr, TTVP)
			Is Identifier:	No	
			Is Base Element:		
			Is Followup Element:	No	
			Data Type:	CD	
			Precision:		
			Selection Type:		9
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range: Data Source:		
					Validation
				Discha	rge Status
			Operator: Equal		
			Value: Alive		
Discharge Location - 1.3.6.1.4	.1.19376.1.4.1.6.5.41				
Selection	Definition	Source	(Code	Code System Nam
Home				01	HL7 Discharge dispositio
	Skilled nursing facilities (SNF) are typically sub-acute programs used for longer anticipated length of stay.			03	HL7 Discharge dispositio
	Note: Sometimes SNFs may have acute rehabilitation beds within their facility. If the patient is discharged to a SNF for acute rehab (requiring a higher level of care), code "extended care/TCU/rehab".				
	An extended care unit, transitional care unit or rehab unit typically provides a high level of intensive therapy as well as specialized nursing and physician care. This discharge setting may also be called subacute care or long term acute care (LTACH).			62	HL7 Discharge dispositio

Other Acute Care Hospital

Other Discharge Location

(AMA)

Left Against Medical Advice

advice.

The patient was discharged or eloped against medical

02 HL7 Discharge disposition

07 HL7 Discharge disposition

ACC NCDR

100001249





Section: Discharge	Parent: Root	
Element: 10115	Hospice Care	Technical Specification
Coding Instruction:	Indicate if the patient was discharged to hospice care.	Code: 385763009 Code System Name: SNOMED CT
Target Value:	The value on discharge	Name: SNOMED CT Short Name: DCHospice
		Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No
		Is Base Element: Yes Is Followup
		Element: ^{NO} Data Type: BL Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null Usual Range: Valid Range:
		Data Source: User Parent/Child Validation
		Element: 10105 Discharge Status Operator: Equal Value: Alive
lement: 10120	Death During the Procedure	Technical Specification
Coding Instruction:	Indicate if the patient expired during the procedure.	Code: 100000923 Code System ACC NCDR
	Note(s): Make sure to only capture 'death during the procedure' in the procedure appropriate registry.	Name: Accinetic Short Name: DeathProcedure Missing Data: Report
	For example, if the patient had a CathPCI procedure and a TVT procedure in the same episode of care (hospitalization) but different cath lab visits and the death occurred during the TVT procedure, code 'Yes' only in the TVT Registry and not the CathPCI Registry. If the CathPCI procedure and TVT procedure occurred during the same cath lab visit then code 'Yes' in both registries. Any occurrence on discharge	Harvested: Yes (TAVR, TMVR, TMVr, TTVP)
		Is Identifier: No Is Base Element: Yes Is Followup _{No}
Target Value:		Element: ^{NO} Data Type: BL Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null Usual Range: Valid Range:
		Data Source: User
		Haront/Child Validation
		Parent/Child Validation Element: 10105 Discharge Status Operator: Equal





Section: Discharge	Parent: Root		
Element: 10125	Cause of Death	Technical Spec	ification
Coding Instruction	Indicate the primary cause of death i.e. the first significant observal event w	bish ultimately lad	05
Coding instruction	 Indicate the primary cause of death, i.e. the first significant abnormal event w to death. 	hich ultimately led Code System Name:	СТ
Target Value	e: The value on time of death	Short Name: DeathCa	use
		Missing Data: Report	
		Harvested: Yes (BDS TMVrpr,	
		Is Identifier: No	
		Is Base Element: Yes	
		Is Followup No	
		Element:	
		Data Type: CD	
		Precision:	
		Selection Type: Single Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child V	alidation
		Element: 10105 Discharge	
		Operator: Equal	Olalus
		Value: Deceased	
Selection	ing - 1.3.6.1.4.1.19376.1.4.1.6.5.88 Definition Source	Code	Code System Na
Acute myocardial infarction	Death by any cardiovascular mechanism (e.g.,	10000960	ACC NC
	arrhythmia, sudden death, heart failure, stroke, pulmonary embolus, peripheral arterial disease) within		
	30 days after an acute myocardial infarction, related to		
	the immediate consequences of the MI, such as		
	progressive HF or recalcitrant arrhythmia. There may		
	be other assessable (attributable) mechanisms of cardiovascular death during this time period, but for		
	simplicity, if the cardiovascular death occurs <=30		
	days of an acute myocardial infarction, it will be		
	considered a death due to myocardial infarction.		
Sudden cardiac death	Death that occurs unexpectedly, and not within 30 days of an acute MI.	100000978	ACC NC
Heart failure	Death associated with clinically worsening symptoms and/or signs of heart failure.	100000964	ACC NC
Stroke	Death after a stroke that is either a direct consequence of the stroke or a complication of the stroke.	100000977	ACC NC
Cardiovascular procedure	Death caused by the immediate complication(s) of a cardiovascular procedure.	100000962	ACC NC
Cardiovascular hemorrhage	Death related to hemorrhage such as a non-stroke	100000961	ACC NC
	intracranial hemorrhage, non-procedural or non-		
	traumatic vascular rupture (e.g., aortic aneurysm), or hemorrhage causing cardiac tamponade.		
Other cardiovascular reason	Cardiovascular death not included in the above	100000972	ACC NO
	categories but with a specific, known cause (e.g.,	10000972	
	pulmonary embolism, peripheral arterial disease).		

Non-cardiovascular death attributable to disease of the

Non-cardiovascular death attributable to renal failure.

esophagus, stomach, or intestines (excludes

Non-cardiovascular death attributable to disease of the

Non-cardiovascular death attributable to disease of the

liver, gall bladder, or biliary ducts (exclude malignancy).

Non-cardiovascular death attributable to disease of the

lungs (excludes malignancy).

pancreas (excludes malignancy).

malignancy).

Pulmonary

Gastrointestinal

Hepatobiliary

Pancreatic

Renal

ACC NCDR

100000975

100000976

100000963

100000966

100000974





Section: Discharge	Parent: Root			
or surgery r	ion-cardiovascular procedure or surgery.			
Trauma I	Non-cardiovascular death attributable to trauma.	10000	0980	ACC NCDR
Suicide	Ion-cardiovascular death attributable to suicide.	10000	0979	ACC NCDF
0	Non-cardiovascular death attributable to disease of the nervous system (excludes malignancy).	10000	0970	ACC NCDR
Valignancy I	Ion-cardiovascular death attributable to malignancy.	10000	0969	ACC NCDF
reason t	Ion-cardiovascular death attributable to a cause other han those listed in this classification (specify organ ystem).	10000	0973	ACC NCDF
Element: 9275	Packed Red Blood Cell Transfusion	Technic	al Specificatio	n
Coding Instruction:	Indicate if there was a transfusion(s) of packed red blood cells. Any occurrence between start of procedure and until next procedure or discharge	Code System Name: Short Name: Missing Data:	PostTransfusion Report Yes (BDS, TAVR, TMVrpr, TTVP) No Yes No BL Single Null	TMVR,
		1		
Element: 13670	Packed Red Blood Cell Units Transfused		al Specificatio	n
-	Indicate the total number of units transfused of packed red blood cells. The total value between start of first procedure until discharge	Code System Name: Short Name: Missing Data:	DC_RBCUnit Report Yes (BDS, TAVR, TMVrpr, TTVP)	TMVR,
		Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Yes No NUM	

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Default Value: Null Usual Range: Valid Range: Data Source: User

Operator: Equal Value: Yes

Parent/Child Validation Element: 9275 Packed Red Blood Cell Transfusion





Section: Discharge Med	ications Parent: Discharge	
Element: 10200	Discharge Medication Code	Technical Specification
Coding Instruction:	Indicate the assigned identification number associated with the medications the patient was prescribed upon discharge.	Code: 100013057 Code System Name: ACC NCDR
	Note(s): Discharge medications not required for patients who expired, discharged to "Other acute care hospital", "Left against medical advice (AMA)" or are receiving Hospice Care.	Short Name: DC_MedID Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR,
	The medication(s) collected in this field are controlled by the Medication Master file. This file is maintained by the NCDR and will be made available on the internet for downloading and importing/updating into your application. Each medication in the Medication Master file is assigned to a value set. The value set is used to separate procedural medications from medications prescribed at discharge. The separation of these medications is depicted on the data collection form.	TMVrpr, TTVP) Is Identifier: No Is Base Element: Yes Is Followup Element: Data Type: CD Precision:
Target Value:	N/A	Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
		Parent/Child Validation Element: 10110 Discharge Location Operator: Equal
		Value: Home Element: 10110 Discharge Location Operator: Equal Value: Extended Care/TCU/Rehab Element: 10110 Discharge Location
		Operator: Equal Value: Other Discharge Location Element: 10110 Discharge Location Operator: Equal Value: Skilled Nursing Facility
		Element: 10115 Hospice Care Operator: Equal Value: No
		AND Element: 10105 Discharge Status Operator: Equal Value: Alive
Discharge Medication - 1.3.6.1. Selection D	4.1.19376.1.4.1.6.5.165 Definition Source	Code Code System Na

Angiotensin Converting	41549009	SNOMED CT
Enzyme Inhibitor		
Aldosterone Antagonist	372603003	SNOMED CT
Direct thrombin inhibitor	414010005	SNOMED CT
Warfarin	11289	RxNorm
Aspirin	1191	RxNorm
Angiotensin II Receptor Blocker	372913009	SNOMED CT
Beta Blocker	33252009	SNOMED CT
Diuretics Not Otherwise	112000001417	ACC NCDR
Specified		
Loop Diuretics	29051009	SNOMED CT
Thiazides	372747003	SNOMED CT
Direct Factor Xa Inhibitor	11200000696	ACC NCDR
P2Y12 Antagonist	11200001003	ACC NCDR





Section: Discharge Med	ications Parent: Discharge		
Element: 10205	Discharge Medication Prescribed	Technica	al Specification
	5	Code:	432102000
Coding Instruction:	Indicate if the medication was prescribed, not prescribed, or was not prescribed for either a medical or patient reason.	Code System Name:	SNOMED CT
	$\mathbf{N} = \{-, -\}$	Short Name:	
	Note(s): Discharge medications do not need to be recorded for patients who were discharged to "Other	Missing Data:	
	acute care hospital", "Left against medical advice (AMA)" or are receiving Hospice Care is	Harvested:	Yes (BDS, TAVR, TMVR,
	'Yes'.		TMVrpr, TTVP)
Target Value:	The value on discharge	Is Identifier: Is Base Element:	
Vendor Instruction:	When Discharge Medication Code (10200) is selected Discharge Medications Prescribed		
	(10205) cannot be Null	Element:	No
		Data Type:	CD
		Precision:	
		Selection Type:	Single
		Unit of Measure: Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
		Parent/C	child Validation
		Element: 10200 D	ischarge Medication Code
		Operator:	
		Value: Any Value	
	stration - 1.3.6.1.4.1.19376.1.4.1.6.5.86		
	Definition Source		ode Code System Na
es - Prescribed		100001	1247 ACC NO
let Dressrihad No Dessen		100001	
		100001	
Not Prescribed - No Reason Not Prescribed - Medical Reason		100001	ACC NC
Not Prescribed - Medical			ACC NC
Not Prescribed - Medical Reason Not Prescribed - Patient Reason	Loop Diuretic Dose	100001	1034 ACC NG
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576	Loop Diuretic Dose	100001 100001 Technic a	1034 ACC NO
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576	Loop Diuretic Dose Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System	1034 ACC NO 1071 ACC NO al Specification 112000001975
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:		100001 100001 Technica Code: Code System Name:	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR ACC NCDR
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name:	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data:	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data:	1034 ACC NC 1071 ACC NC al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP)
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested:	1034 ACC NC 1071 ACC NC al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	1034 ACC NC 1071 ACC NC al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0
lot Prescribed - Medical Reason lot Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	1034 ACC NC 1071 ACC NC al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	1034 ACC NC 1071 ACC NC al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range:	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg 1 - 300 mg
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source:	1034 ACC NG 1071 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg 1 - 300 mg User
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/C	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg 1 - 300 mg User Child Validation
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/C Element: 10200	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg 1 - 300 mg User
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/C Element: 10200 D Operator: Equal	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg 1 - 40 mg 1 - 300 mg User Child Validation ischarge Medication Code
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technica Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/C Element: 10200	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg 1 - 40 mg 1 - 40 mg 1 - 300 mg User Child Validation ischarge Medication Code tics
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technic: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/O Element: 10200 D Operator: Equal Value: Loop Diuret	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg 1 - 300 mg User Child Validation ischarge Medication Code tics AND
Not Prescribed - Medical Reason Not Prescribed - Patient Reason Element: 14576 Coding Instruction:	Specify the total daily dose of the loop diuretic that was prescribed to the patient at discharge.	100001 100001 Technic: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/O Element: 10200 D Operator: Equal Value: Loop Diuret	1034 ACC NG 1071 ACC NG al Specification 112000001975 ACC NCDR DischMed_LoopDiureticDose Report Yes (TMVR, TMVrpr, TTVP) No Yes No PQ 3,0 Single mg Null 1 - 40 mg 1 - 40 mg 1 - 40 mg 1 - 300 mg User Child Validation ischarge Medication Code tics





Section: Follow Up	Parent: Root		
Element: 11000	Follow-Up Assessment Date	Technic	al Specification
Coding Instruction:	Indicate the date of the follow-up assessment was performed.		1000142364
-	The value on Follow-up	Code System Name:	
-	Follow-Up Assessment Date (11000) must be Greater than or Equal to 01/01/2021	Short Name: Missing Data:	F_AssessmentDate
	Follow-Up Assessment Date (11000) must be Greater than or Equal to Follow-Up Reference Episode Arrival Date and Time (11002)	Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
	A Follow-up Assessment Date may only be entered/selected once	Is Identifier: Is Base Element:	No
	Follow-Up Assessment Date (11000) must be Greater than Follow-Up Reference Procedure Start Date and Time (11001)	Is Followup Element: Data Type:	
		Precision:	
		Selection Type:	Single
		Unit of Measure:	N. 11
		Default Value:	Null
		Usual Range: Valid Range:	
		Data Source:	User
Element: 10999		Technic	al Specification
	Follow-Up Unique Key	Code:	1000142426
Coding Instruction:	Indicate the unique key associated with each patient follow-up record as assigned by the EMR/EHR or your software application.	Code System Name:	ACC NCDR
Target Value:	N/A	Short Name:	FollowUpKey
		Missing Data:	Illegal
			Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	Yes
		Data Type:	ST
		Precision:	50
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range: Data Source:	Automatic
			Automatic
Element: 11001	Follow-Up Reference Procedure Start Date and Time	Technic	al Specification
	·	Code:	1000142372
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code:	1000142372
Coding Instruction:	·	Code: Code System Name:	1000142372 ACC NCDR
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name:	1000142372 ACC NCDR RefProcStartDateTime
-	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes TS
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes TS Single
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes TS Single
Coding Instruction:	Indicate the reference procedure start date and time on the follow-up assessment date.	Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	1000142372 ACC NCDR RefProcStartDateTime Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes TS Single





Section: Follow Up	Parent: Root		
lement: 11002	Follow-Up Reference Episode Arrival Date and Time	Technic	al Specification
Coding Instruction:	Indicate the date and time of arrival for the episode of care that included the reference procedure.	Code: Code System Name:	1000142436 ACC NCDR
Target Value:	The value on Follow-up	Missing Data: Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes TS Single Null
Element: 13705	Transcatheter Valve Therapy Reference Procedure Type	Technic	al Specification
Coding Instruction:	Indicate the procedure type performed at the reference procedure start date/time.		112000001167
- Target Value:	The value on Follow-up	Code System Name:	ACC NCDR
Vendor Instruction:	When Transcatheter Valve Therapy Reference Procedure Type (13705) is Equal to (TMVr,TMVR,Tricuspid Valve Procedure) then Follow-Up Medications Code (11990) must be Equal to (Aldosterone Antagonist,Angiotensin Converting Enzyme Inhibitor,Angiotensin II Receptor Blocker,Beta Blocker,Diuretics Not Otherwise Specified,Loop Diuretics,Thiazides)	Is Identifier: Is Base Element:	Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes CD Multiple
			Default Value: Usual Range:

Transcatheter Valve Therapy Procedure - 1.3.6.1.4.1.19376.1.4.1.6.5.695

Selection	Definition	Source	Code	Code System Name
TAVR	Transcatheter aortic valve replacement		41873006	SNOMED CT
TMVr	Transcatheter mitral repair procedure		112000001801	ACC NCDR
TMVR	Transcatheter mitral valve replacement		112000001458	ACC NCDR
Tricuspid Valve Procedure	Transcatheter tricuspid valve procedures include eithe a transcatheter tricuspid valve replacement or transcatheter tricuspid valve repair.	ır	112000001977	ACC NCDR





	Parent: Root	
Element: 11004	Follow-Up Status	Technical Specification
-	Indicate whether the patient was alive or deceased at the date the follow-up was performed.	Code: 308273005 Code System Name: SNOMED CT
Target value:	The value on Follow-up	Short Name: F_Status Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No Is Base Element: No
		Is Followup Element:
		Data Type: CD Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null Usual Range:
		Valid Range:
		Data Source: User
Follow-Up Status - 1.3.6.1.4.1.		
Selection [Definition Source	Codo Codo System N
	Sounder Sounder	
Alive		438949009 SNOME
Alive Deceased	Follow-Up Reference Discharge Date	438949009 SNOME 20 HL7 Discharge dispos 399307001 SNOME Technical Specification
Alive Deceased Lost to follow-up Element: 14338 Coding Instruction:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure.	438949009 SNOME 20 HL7 Discharge disposing 399307001 SNOME Technical Specification Code: 112000001859
Alive Deceased Lost to follow-up Element: 14338 Coding Instruction:	Follow-Up Reference Discharge Date	438949009 SNOME 20 HL7 Discharge disposinger 399307001 SNOME Technical Specification Code: 11200001859 Code System Name:
Alive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure.	438949009 SNOME 20 HL7 Discharge disport 399307001 SNOME Technical Specification Code: 11200001859 Code System ACC NCDR Name: Short Name: FU_RefDischargeDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR,
Alive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure. The value on Follow-up	438949009 SNOME 20 HL7 Discharge dispose 399307001 SNOME Technical Specification Code: 112000001859 Code System Name: ACC NCDR Short Name: FU_RefDischargeDate Missing Data: Report
Alive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure. The value on Follow-up	438949009 SNOME 20 HL7 Discharge dispose 399307001 SNOME Technical Specification Code: 11200001859 Code System Name: ACC NCDR Short Name: FU_RefDischargeDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: No
Alive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure. The value on Follow-up	438949009 SNOME 20 HL7 Discharge disposed 399307001 SNOME Technical Specification Code: 11200001859 Code System Name: Short Name: FU_RefDischargeDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No
Nive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure. The value on Follow-up	438949009 SNOME 20 HL7 Discharge dispose 399307001 SNOME Technical Specification Code: 11200001859 Code System Name: ACC NCDR Short Name: FU_RefDischargeDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup Element: Yes Data Type: DT
Nive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure. The value on Follow-up	438949009 SNOME 20 HL7 Discharge dispose 399307001 SNOME Technical Specification Code: 11200001859 Code System Name: ACC NCDR Short Name: FU_RefDischargeDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Identifier: No Is Followup Element: No Jata Type: DT Precision: Selection Type: Single
Nive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure. The value on Follow-up	438949009 SNOME 20 HL7 Discharge dispose 399307001 SNOME Technical Specification Code: 11200001859 Code System Name: Short Name: FU_RefDischargeDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup Yes Element: No Data Type: DT Precision: Selection Type: Single Unit of Measure:
Alive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure. The value on Follow-up	438949009 SNOME 20 HL7 Discharge dispose 399307001 SNOME Technical Specification Code: 11200001859 Code System Name: ACC NCDR Short Name: FU_RefDischargeDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Identifier: No Is Followup Element: No Jata Type: DT Precision: Selection Type: Single
Alive Deceased Lost to follow-up Element: 14338 Coding Instruction: Target Value:	Follow-Up Reference Discharge Date Indicate the date of discharge for the episode of care that included the reference procedure. The value on Follow-up	438949009 SNOME 20 HL7 Discharge dispo 399307001 SNOME Technical Specification Code: 11200001859 Code System Name: ACC NCDR Short Name: FU_RefDischargeDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Followup Yes Element: No Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null





Section: Follow Up	Parent: Root			
Element: 11006	Follow-Up Date of Death	Technic	al Spec	ification
Coding Instruction:	Indicate the date the patient was declared dead.		10001423	373
-		Code System Name:	ACC NCD	R
larget value:	The value on Follow-up	Short Name:		late
Vendor Instruction:	Follow-Up Date of Death (11006) must be Greater than Follow-Up Reference Procedure Start Date and Time (11001)	Missing Data:	Report	
	Fellow Lie Date of Death (44020) must be Oracles there as Freeduce Fellow Lie Dates as	narvesteu:	TMVrpr, T	5, TAVR, TMVR, TVP)
	Follow-Up Date of Death (11006) must be Greater than or Equal to Follow-Up Reference Discharge Date (14338)	Is Identifier:	-	,
		Is Base Element:		
	Follow-Up Date of Death (11006) must be Less than or Equal to Follow-Up Assessment Date (11000)	Is Followup Element:	Yes	
		Data Type:	DT	
		Precision:		
		Selection Type:	Single	
		Unit of Measure:		
		Default Value:	Null	
		Usual Range:		
		Valid Range:		
		Data Source:	User	
				lidation
			ollow-Up	Status
		Operator: Equal		
		Value: Deceased		
Element: 11003	Method to Determine Follow-Up Status	Technic	al Spec	ification
Coding Instruction:	Indicate the method to determine follow-up status.	Code:	10001405	59
-	The value on Follow-up	Code System Name:	ACC NCD	R
i al got i al aoi		Short Name:	F_Method	
		Missing Data:		
		Harvested:	Yes (TAV TTVP)	R, TMVR, TMVrpr,
		Is Identifier:	No	
		Is Base Element:		
		Is Followup	Yes	
		Element:	CD	
		Data Type:	CD	
		Precision:	Multiple	
		Selection Type: Unit of Measure:	multiple	
		Default Value:	Null	
		Usual Range:		
		Valid Range:		
		Data Source:	User	
lethod to Determine Follow -	up status - 1.3.6.1.4.1.19376.1.4.1.6.5.370			
	Definition Source		Code	Code System Na
Office Visit		18365	54001	SNOMED
ledical Records		10001	4060	ACC NC
etter from Medical Provider		10001	4061	ACC NC
Phone Call		10001	4062	ACC NC
ocial Security Death Master		100014	2362	ACC NC
lospitalized		100014	2363	ACC NC
bituary List		11200000	1406	ACC NC
Contoro for Madigara and		11200000	4 4 0 7	

Centers for Medicare and

Other

Medicaid Services Linked Data

ACC NCDR

ACC NCDR

112000001407

100000351





Section: Follow Up	Parent: Root			
Element: 11007	Cause of Death	Technie	al Spe	ecification
Coding Instruction	 Indicate the primary cause of death, i.e. the first significant abnormal event which ultimately le to death. 		184305 SNOME	005 D CT
Target Value	: The value on Follow-up	Short Name: Missing Data:	F_Deat Report	
		Is Identifier: Is Base Element: Is Followup	No No	, TTVP)
		Element: Data Type: Precision:	CD	
		Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range:	Null	
			Child \ Follow-U	/alidation lp Status
	ing - 1.3.6.1.4.1.19376.1.4.1.6.5.88	1		
Selection	Definition Source Death by any cardiovascular mechanism (e.g., arrhythmia, sudden death, heart failure, stroke, pulmonary embolus, peripheral arterial disease) within 30 days after an acute myocardial infarction, related to the immediate consequences of the MI, such as progressive HF or recalcitrant arrhythmia. There may be other assessable (attributable) mechanisms of	10000	<u>Code</u> 00960	Code System Na ACC NC
	cardiovascular death during this time period, but for simplicity, if the cardiovascular death occurs <=30 days of an acute myocardial infarction, it will be considered a death due to myocardial infarction.			
Sudden cardiac death	Death that occurs unexpectedly, and not within 30 days of an acute MI.	10000	0978	ACC NO
Heart failure	Death associated with clinically worsening symptoms and/or signs of heart failure.	10000	00964	ACC NC
Stroke	Death after a stroke that is either a direct consequence of the stroke or a complication of the stroke.	10000	0977	ACC NO
Cardiovascular procedure	Death caused by the immediate complication(s) of a cardiovascular procedure.	10000	0962	ACC NO
Cardiovascular hemorrhage	Death related to hemorrhage such as a non-stroke intracranial hemorrhage, non-procedural or non- traumatic vascular rupture (e.g., aortic aneurysm), or hemorrhage causing cardiac tamponade.	10000	00961	ACC NO
Other cardiovascular reason	Cardiovascular death not included in the above categories but with a specific, known cause (e.g., pulmonary embolism, peripheral arterial disease).	1000	0972	ACC NO
Pulmonary	Non-cardiovascular death attributable to disease of the lungs (excludes malignancy).	10000		ACC NO
	Non-cardiovascular death attributable to renal failure.		0976	ACC NO

per this classification. Non-cardiovascular procedure Death caused by the immediate complication(s) of a

malignancy).

disease.

Non-cardiovascular death attributable to disease of the

Non-cardiovascular death attributable to disease of the

liver, gall bladder, or biliary ducts (exclude malignancy). Non-cardiovascular death attributable to disease of the

Non-cardiovascular death attributable to an infectious

Non-cardiovascular death attributable to bleeding that is not considered cardiovascular hemorrhage or stroke

esophagus, stomach, or intestines (excludes

Non-cardiovascular death attributable to an

inflammatory or immunologic disease process.

pancreas (excludes malignancy).

100000963

100000966

100000974

100000967

100000968

100000965

100000971

Inflammatory/Immunologic

Gastrointestinal

Hepatobiliary

Pancreatic

Infection

Hemorrhage

ACC NCDR

ACC NCDR

ACC NCDR

ACC NCDR

ACC NCDR

ACC NCDR





Section: Follow Up	Parent: Root		
or surgery	non-cardiovascular procedure or surgery.		
Trauma	Non-cardiovascular death attributable to trauma.	100000980	ACC NCDR
Suicide	Non-cardiovascular death attributable to suicide.	100000979	ACC NCDR
Neurological	Non-cardiovascular death attributable to disease of the nervous system (excludes malignancy).	100000970	ACC NCDR
Malignancy	Non-cardiovascular death attributable to malignancy.	100000969	ACC NCDR
Other non-cardiovascular reason	Non-cardiovascular death attributable to a cause other than those listed in this classification (specify organ system).	100000973	ACC NCDR

Element: 13805

Residence

Coding Instruction: Indicate the primary residence of the patient at the time of follow-up.

Target Value: The value on Follow-up

Technical Specification			
Code:	112000001506		
Code System Name:	ACC NCDR		
Short Name:	F_Residence		
Missing Data:	Report		
Harvested:	Yes (TAVR, TMVR, TMVrpr,		
	TTVP)		
Is Identifier:			
Is Base Element:			
Is Followup Element:	Yes		
Data Type:	CD		
Precision:			
Selection Type:	Single		
Unit of Measure:	- 5 -		
Default Value:	Null		
Usual Range:			
Valid Range:			
Data Source:	llser		
Parent/	Child Validation		
Element: 11004 F	Follow-Up Status		
Operator: Equal			
Value: Alive			
	AND		
Element: 14511 F	Residence Not Documented		
Operator: Equal			
Value: No (or Not	Answered)		

Residence - 1.3.6.1.4.1.19376.1.4.1.6.5.562

Selection	Definition	Source	Code	Code System Name
Home with No Health Aid	The patient lives at home with no health-aid (this includes living in senior living facilities with no assistance).		112000001507	ACC NCDR
Home with Health Aid	The patient lives at home with health-aid (this include living in senior living facilities with assistance).	S	112000001508	ACC NCDR
Long Term Care	The patient lives in a long-term care facility that provides the person's health or personal care needs during a short or long period of time.	National Institute of Aging at the National Institutes of Health	42665001	SNOMED CT
Other			100000351	ACC NCDR





Section: Follow Up	Parent: Root	
Element: 14511	Residence Not Documented	Technical Specification
Coding Instruction	Indicate if the primary residence of the patient was not documented during follow-up.	Code: 112000001506
Target Value:		Code System Name: ACC NCDR
5		Short Name: F_ResidenceND
		Missing Data: Report
		Harvested: Yes (TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 11004 Follow-Up Status
		Operator: Equal
		Value: Alive





Element: 13775	Hemoglobin	Technic	al Specification
		Code:	718-7
Coding Instruction:	Indicate the hemoglobin (Hgb) value in g/dL.	Code System Name:	
	Note(s): This may include POC (Point of Care) testing results or results obtained prior to arrival at this facility.	Short Name: Missing Data: Harvested:	- •
Target Value:	The last value between discharge (or previous follow-up) and current follow-up assessment	That vested.	TMVrpr, TTVP)
Supporting Definition:	Hemoglobin	Is Identifier:	
	Hemoglobin (Hb or Hgb) is the iron-containing oxygen-transport metalloprotein in the red blood cells. It carries oxygen from the lungs to the rest of the body (i.e. the tissues) where it	Is Base Element: Is Followup Element:	
	releases the oxygen to burn nutrients and provide energy. Hemoglobin concentration measurement is among the most commonly performed blood tests, usually as part of a complete blood count. If the concentration is below normal, this is called anemia. Anemias are	Data Type: Precision:	
	classified by the size of red blood cells: "microcytic" if red cells are small, "macrocytic" if they are large, and "normocytic" if otherwise. Dehydration or hyperhydration can greatly influence	Selection Type: Unit of Measure:	Single
	measured hemoglobin levels. Source: http://s.details.loinc.org/LOINC/718-7.html?sections=Simple	Default Value:	0
		-	1.00 - 50.00 g/dL
		Parent/	Child Validation
		Value, No (or No	
		Value: No (or Not	
lement: 14326	Hemoglobin Not Drawn	Technic	al Specification
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System	al Specification
	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name:	al Specification 718-7 LOINC FUHgbND
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data:	al Specification 718-7 LOINC FUHgbND
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR TMVrpr, TTVP) No
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR TMVrpr, TTVP) No No Yes
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR TMVrpr, TTVP) No No Yes
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes BL
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes BL
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes BL Single
Coding Instruction:	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes BL Single
-	Indicate if a follow-up hemoglobin was not collected.	Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	al Specification 718-7 LOINC FUHgbND Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No No Yes BL Single





Section: Follow-Up Clinical Assessment

Parent: Follow Up

Coding Instruction: Indicate the creatinine value. Target Value: The last value between discharge (or previous follow-up) and current follow-up assessment Supporting Definition: Creatinine Creatinine or creatine anhydride, is a breakdown product of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatinine. It is transferred to the kidneys by blood plasma, whereupon it is eliminated by glomerular filtration and partial tubular excretion. Creatinine is usually produced at a fairly constant rate and measuring its serum level is a simple test. A rise in blood creatinine levels is observed only with marked damage to functioning nephrons; therefore this test is not suitable for detecting early kidney disease. Creatine and creatinine are metabolized in the kidneys, muscle, liver and pancreas. Is Identifier: No Is Base Element: No Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Selection Type: Single Unit of Measure: mg/dul Usual Range: 0.10 - 9.00 mg/dL. Value: Null Usual Range: 0.10 - 9.00 mg/dL.	Element: 13310	Creatinine	Technic	cal Specification
Coding instruction: Indicate the creatinine value. Target Value: The last value between discharge (or previous follow-up) and current follow-up assessment. Name: Codie System Supporting Definition: Creatinine Creatinine is usally produced to fare the phosphate in muscless to the third to orosine in each orosation is densetine. It is transferred to the kinesps ty kinod disams, whereupon it is eliminated by glomerular fitterion and partial is be following and the oroscinon. Creating approx: there there is to obsorve or orbit in each orosation is a sample to inclosing in apphrox: there there is to the store the tast is not stude for descine and partial is a simple test. A rise in blood creatinine levels is observed only with marked by glomerular fitterion and partial. Short Name: Follow_Creat Source: http://s.details.loin.cogil.OINC/2160-0.html?sections=Simple Is identifier: No Is assessment. Element: 13311 Creatinine Not Drawn Technical Specification Coding Instruction: Indicate if a follow-up creatinine level was not collected. Code System Or System Target Value: N/A Short Name: Follow_Up Short Name: Code System Identifie: No Short Name: Follow_Up Short Name: Follow_Up Source: http://s.details.loinc.orgil.OINC/2160-0.html?sections=Simple Short Name: Follow_Up Element:	clement. 15510	Creatinine		
Target Value: The last value between discharge (or previous follow-up) and current follow-up assessment Name: Follow_Creat Supporting Definition: Creatinine or creatine anydride, is a breakdown product of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatine in events in a sub-table of one creatine loss of water molecule from creatine results in the formation of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatine phosphate in the loss of water molecule from creatine results in the formation of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of creatine phosphate. The loss of water molecule from creatine results in the formation of creatine phosphate. The loss of water molecule from creatine results in the standard for detecting any theorem and messating. The loss of water molecule from creatine results is observed only with marked for detecting any theorem and messating is seturing the detection of the biologic molecule from creatine results in the detecting any theorem and messating is seturing the detection of the biologic molecule from creatine results in the detection of the detectin of the detection of the detectin of the dete	Coding Instruction:	Indicate the creatinine value.	Code System	2100 0
Supporting Definition Creatinine Creatinine or creatine anhydride, is a breakdown product of creatine phosphate in muscle. The bit withows by blood plasma, whereupon it is eliminated by glomenular filtration and participants and measuring its serum level is a simple test. A rise in blood creatine levels is observed only with marking base clement: No subable of colecting early kidney disease. Creatine and creatine are metabolized in the kidneys, muscle, liver and pancress. Short Name: Followup, TUVP) Is Base Element: No Is Bolowup vestion in subable of colecting early kidney disease. Creatine and creatine are metabolized in the kidneys, muscle, liver and pancress. Source: http://s.details.ionc.org/L.OINC/2160-0.html?sections=Simple Element: 13311 Creatinine Not Drawn Technical Specification Coding Instruction: Indicate if a follow-up creatinine level was not collected. Creatinine Not Drawn Coding Instruction: Indicate if a follow-up creatinine level was not collected. Short Name: Follow.Creatine is not subable of colecting early kidney is the precision: 4.2 Element: 13311 Creatinine Not Drawn Technical Specification Coding Instruction: Indicate if a follow-up creatinine level was not collected. Short Name: Follow.CreatineNotDraw Target Value: NA NA Short Name: Follow.CreatineNotDraw Solution: Indicate if a follow-up creatinine level was not collected. Short Name: Follow.CreatineanNotDraw	Target Value:	The last value between discharge (or previous follow-up) and current follow-up assessment	Name:	LOINC
Creatinine or creatine anhydride, is a breakdown product of creatine phosphate in muscle. The loss of water molecule from creatine results in the formation of oreatinne. It is transferred to the kidneys by blood plasma, whereapon it is eliminated by glomenular bitation and parial tubular excretion. Creatinine is usually produced at a fairy constant rate and measuing its asserum level is a simple test. At rise in biod or restinne levels is observed only with marked damage to functioning nephrons; therefore this test is not stutiable for detecting early kidney disease. Creatine and creatinine are matabolized in the kidneys, muscle. New and pancreas. Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Harveys is the stutian to biod or estinine with kidneys, muscless. Liver and pancreas. Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Element: 13311 Creatinine Not Drawn Technical Specification Codie: 13311 Creatinine Not Drawn Coding Instruction: Indicate if a follow-up creatinine level was not collected. Target Value: N/A Technical Specification Code: 2160-0 Code:	-		Short Name:	Follow_Creat
Ioss of water molecule from creatine results in the formation of creatinine. It is transmered to the kidneys by block plasma, whereapton it is eliminated by glocmular filtration and partial tubular excretion. Creatinine is usually produced at a fairly constant rate and messaring its sarrum level is as simple test. Arise in block creatinine levels is observed only with marked damage to functioning nephrons, therefore this test is not suitable for detecting early kidney disease. Creatine metabolized in the kidneys, muscle, liver and phances. Is followup Yes Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Selection Type: Single Unit of Measure: mg/dL Usual Range: 0.10 - 9.00 mg/dL Valid Range: 0.10 - 9.00 mg/dL Val	Supporting Definition:		Missing Data:	Report
tubular excretion. Creatinine is usually produced at a fairly constant rate and measuing its damage to functioning nephrons; therefore this test is not suitable for detecting early kidney disease. Creatine and creatinine are metabolized in the kidneys, muscle, liver and pancreas. Is Base Element: No Is Poly Pression: 42 Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Unit of Measure: mg/dL Unit of Measure: mg		loss of water molecule from creatine results in the formation of creatinine. It is transferred to	Harvested:	
serum level is a simple test. A rise in biodor creatinine levels is observed only with marked disease. Creatine and creatinine are metabolized in the kidneys, muscle, liver and pancreas. Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Source: http://s.details.loinc.org/LOINC/2160-0.html?sections=Simple Selection Type: PQ Precision: 4.2 Selection Type: Single Unit of Measure: mg/dL Default Value: Nul Usual Range: 0.10 - 9.00 mg/dL Valid Range: 0.10 - 9.00 mg/dL Uate: No (or Not Answered) Element: 13311 Creatinine Not Drawn Coding Instruction: Indicate if a follow-up creatinine level was not collected. Target Value: N/A Stort Name: FollowCreatinineNotDrawn Missing Data: Report Name: FollowCreatinineNotDrawn Missing Data: Report Data Type: BL Precision: Selection Type: Single Unit of Measure: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Nul Usual Range: (1) Selection Type: Single Unit of Measure: Default Value: Nul Usual Range: (1) Selection Type: Single Unit of Measure:			Is Identifier:	No
damage to functioning nephrons; therefore this test is not suitable for detecting early kidney disease. Creatine and creatinine are metabolized in the kidneys, muscle, liver and pancreas. Is Followup Yes Source: http://s.delails.loinc.org/LOINC/2160-0.html?sections=Simple Detail Yalue: Not Precision: 4.2 Selection Type: Single Unit of Measure: mg/dL Default Yalue: Null Usual Range: 0.10 - 30.00 mg/dL Default Yalue: Null Usual Range: 0.10 - 30.00 mg/dL Usual Range: 0.10 - 30.00 mg/dL Default Yalue: Null Usual Range: 0.10 - 30.00 mg/dL Usual Range: 0.10 - 30.00 mg/dL Default Yalue: Null Usual Range: 0.10 - 30.00 mg/dL Element: 13311 Creatinine Not Drawn Percent/Child Validation Element: 13311 Creatinine Not Drawn Code: 2160-0 Coding Instruction: Indicate if a follow-up creatinine level was not collected. Code System Target Value: N/A N/A Short Name: Followup Yes Is Base Element: No Is Base Element: No Is Base Element: No Is Base Element: No Is Base Element: No Is Identifier: No Is Baselement: No Is Baselement				
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Element: 13311 Creatinine Not Drawn Element: 13311 Creatinine Not Drawn Coding Instruction: Indicate if a follow-up creatinine level was not collected. Code 2160-0 Code 2160-0 Code 2160-0 Software: NAme: Code 2160-0 Software: NAme: Name: Name: NA Name: Software: Name: Code 2160-0 Code: 2160-0 <			Data Type:	PQ
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Element: 13311 Creatinine Not Drawn Technical Specification Coding Instruction: Indicate if a follow-up creatinine level was not collected. Code System Target Value: N/A V/A Short Name: Follow/CreatinineNotDrawn Code System Usual Range: Usual Range: Code: 2160-0 Coding Instruction: Indicate if a follow-up creatinine level was not collected. Code: 2160-0 Target Value: N/A Short Name: Follow/CreatinineNotDrawn Image: Usual Range: Usual Range: Usual Range:				•
Valid Range: 0.10 - 30.00 mg/dL. Data Source: User Parent/Child Validation Element: 13311 Creatinine Not Drawn Operator: Operator: Equal Value: No (or Not Answered) Coding Instruction: Indicate if a follow-up creatinine level was not collected. Target Value: N/A VA Short Name: Joint/Code Stort Name: Joint/Code Ioliv/CreatinineNotDrawn Name: Joint/Code Short Name: FollowCreatinineNotDrawn Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, T				
Element: 13311 Creatinine Not Drawn Element: 13311 Creatinine Not Drawn Operator: Equal Value: No (or Not Answered) Value: No (or Not Answered) Element: 13311 Creatinine Not Drawn Code: 2160-0 Coding Instruction: Indicate if a follow-up creatinine level was not collected. Code: 2160-0 Target Value: N/A N/A Name: LOINC Short Name: FollowCreatinineNotDraw Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVP, TTVP) Is Identifier: No Is Base Element: No Is Followup Yes Data Type: BL Precision: Selection Type: Solide Superior Unit of Measure: Default Value: Null Usual Range: Valid Range:			-	•
Element: 13311 Creatinine Not Drawn Operator: Equal Value: No (or Not Answered) Element: 13311 Creatinine Not Drawn Operator: Indicate if a follow-up creatinine level was not collected. Target Value: N/A Target Value: N/A Short Name: FollowCreatinineNotDrawn Name: LOINC Short Name: FollowCreatinineNotDrawn Missing Data: Report Harvested: Yes Element: No Is Base Element: No Selection Type: Bingle Unit of Measure: Default Value: Valid Range: Valid Range:			-	•
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Element: 13311 Creatinine Not Drawn Technical Specification Coding Instruction: Indicate if a follow-up creatinine level was not collected. Code: 2160-0 Target Value: N/A N/A Short Name: Short Name: Follow/CreatinineNotDraw Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: No Is Followup Element: No Is Followup Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range:				
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Target Value: N/A Name: LOINC Name: Short Name: FollowCreatinineNotDraw Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVPr, TTVP) Is Identifier: No Is Base Element: No Is Followup Element: Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:	Coding Instruction:	Indicate if a follow-up creatining level was not collected		
Target Value: N/A Name: Short Name: FollowCreatinineNotDraw Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVR, TMVrp, TTVP) Is Identifier: No Is Base Element: No Is Followup Yes Element: Yes Data Type: Bale Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range:	County instruction:	Indicate il a follow-up creatinine level was not collected.	Code System	LOINC
Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:	Target Value:	N/A		
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TMVrpr, TTVP) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:			-	
Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:				TMVrpr, TTVP)
Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:				
Element: ¹⁰³ Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:				
Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:			Element:	103
Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:			Data Type:	
Unit of Measure: Default Value: Null Usual Range: Valid Range:				
Default Value: Null Usual Range: Valid Range:				
Usual Range: Valid Range:			Selection Type:	Single
Valid Range:			Selection Type: Unit of Measure:	Single
			Selection Type: Unit of Measure: Default Value:	Single Null
			Selection Type: Unit of Measure: Default Value: Usual Range:	Single Null





Element: 13688	New York Heart Association Classification		Technic	al Spe	cification
	Indicate the patient's latest dyspnea or functional cla	ss, coded as the New York Heart	Code:	4208160	
J	Association (NYHA) classification.	.,	Code System Name:	SNOME	ОСТ
Target Value:	The value on Follow-up		Short Name:		Ą
Supporting Definition:	NYHA		Missing Data: Harvested:		S, TAVR, TMVR,
	The NYHA classes focus on exercise capacity and the	ne symptomatic status of the disease.		TMVrpr,	
	Source: 2013 ACCF/AHA Guideline for the Manage 2013;62(16):e147-e239. doi:10.1016/j.jacc.2013.05.0		Is Identifier: Is Base Element:		
	2013,02(10).0147-0233. 001.10.1010/j.jacc.2013.03.0	13	Is Base Element: Is Followup		
			Element:	Yes	
			Data Type:	CD	
			Precision:	Single	
			Selection Type: Unit of Measure:	Single	
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
					alidation
					k Heart Association
			Operator: Equal		ocumented
			Value: No (or Not	Answer	
					ed)
NYHA Functional Classificatio	n - 1.3.6.1.4.1.19376.1.4.1.6.5.8				ed)
Selection I	n - 1.3.6.1.4.1.19376.1.4.1.6.5.8 Definition	Source		Code	Code System Nam
Selection I Class I	Definition Patients with cardiac disease but without resulting	The Criteria Committee of the New York H	eart 42030	Code	ed) Code System Nam SNOMED C
Selection I Class I I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity	The Criteria Committee of the New York H Association. Nomenclature and Criteria fo	eart 42030 r Diagnosis of	Code	Code System Nam
Selection I Class I I	Definition Patients with cardiac disease but without resulting	The Criteria Committee of the New York H Association. Nomenclature and Criteria fo	eart 42030 r Diagnosis of . 9th ed.	Code	Code System Nam
Selection I Class I I Class II I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation	The Criteria Committee of the New York H Association. Nomenclature and Criteria for Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:25	eart 42030 r Diagnosis of . 9th ed.	Code 0004	Code System Nam
Selection I Class I I Class II I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest.	The Criteria Committee of the New York H Association. Nomenclature and Criteria for Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:25	eart 42030 r Diagnosis of 9th ed. 53-256.	Code 0004	Code System Nam SNOMED C
Selection I Class I I Class II I Class II I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation	The Criteria Committee of the New York H Association. Nomenclature and Criteria for Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:25	eart 42030 r Diagnosis of 9th ed. 53-256.	Code 0004	Code System Nam SNOMED C
Selection I Class I Class II Class II Class III	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked	The Criteria Committee of the New York H Association. Nomenclature and Criteria for Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:25	eart 42030 r Diagnosis of 9th ed. 53-256.	Code 0004 4003	Code System Nam SNOMED (SNOMED (
Selection I Class I I Class II I Class II I Class III I Class III I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked imitation of physical activity. They are comfortable at	The Criteria Committee of the New York H Association. Nomenclature and Criteria for Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:25	eart 42030 r Diagnosis of 9th ed. 53-256. 42170	Code 0004 4003	Code System Nam SNOMED (SNOMED (
Selection I Class I I Class II I Class II I Class III I Class III I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked	The Criteria Committee of the New York H Association. Nomenclature and Criteria for Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:25	eart 42030 r Diagnosis of 9th ed. 53-256. 42170	Code 0004 4003	Code System Nam SNOMED (SNOMED (
Selection I Class I Class II I Class III I Class III I Class IV I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked imitation of physical activity. They are comfortable at est. Less than ordinary activity causes fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in inability to	The Criteria Committee of the New York H Association. Nomenclature and Criteria for Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:25	eart 42030 r Diagnosis of 9th ed. 53-256. 42170	Code 0004 4003 3000	Code System Nam SNOMED C SNOMED C SNOMED C
Selection I Class I Class II Class II Class III Class III Class IV I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked imitation of physical activity. They are comfortable at est. Less than ordinary activity causes fatigue, balpitation, or dyspnea. Patients with cardiac disease resulting in inability to carry on any physical activity without discomfort.	The Criteria Committee of the New York H Association. Nomenclature and Criteria fo Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:22	eart 42030 r Diagnosis of 9th ed. 53-256. 42170 42091	Code 0004 4003 3000	Code System Nam SNOMED (SNOMED (SNOMED (
Selection I Class I Class II Class III Class III Class IV	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked imitation of physical activity. They are comfortable at rest. Less than ordinary activity causes fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in inability to carry on any physical activity without discomfort. Symptoms are present even at rest or minimal exertion.	The Criteria Committee of the New York H Association. Nomenclature and Criteria fo Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:22	eart 42030 r Diagnosis of 9th ed. 53-256. 42170 42091	Code 0004 4003 3000	Code System Nam SNOMED (SNOMED (SNOMED (
Selection I Class I Class II Class III Class III Class IV I Class IV	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked imitation of physical activity. They are comfortable at est. Less than ordinary activity causes fatigue, balpitation, or dyspnea. Patients with cardiac disease resulting in inability to carry on any physical activity without discomfort.	The Criteria Committee of the New York H Association. Nomenclature and Criteria fo Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:22	eart 42030 r Diagnosis of 9th ed. 53-256. 42170 42091	Code 0004 4003 3000	Code System Nam SNOMED (SNOMED (SNOMED (
Selection I Class I Class II I Class III I Class III I Class IV I Class IV	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity. They are comfortable at rest. Ordinary physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked imitation of physical activity. They are comfortable at est. Less than ordinary activity causes fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in inability to carry on any physical activity without discomfort. Symptoms are present even at rest or minimal exertion. f any physical activity is undertaken, discomfort is ncreased.	The Criteria Committee of the New York H Association. Nomenclature and Criteria fo Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:20	eart 42030 r Diagnosis of 9th ed. 53-256. 42170 42091 42229	Code 0004 4003 3000 3003	Code System Nam SNOMED (SNOMED (SNOMED (SNOMED (
Selection I Class I Class II I Class III I Class III I Class IV I	Definition Patients with cardiac disease but without resulting imitations of physical activity. Ordinary physical activity does not cause undue fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in slight limitation of physical activity results in fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in marked imitation of physical activity. They are comfortable at est. Less than ordinary activity causes fatigue, palpitation, or dyspnea. Patients with cardiac disease resulting in inability to sarry on any physical activity without discomfort. Symptoms are present even at rest or minimal exertion. f any physical activity is undertaken, discomfort is	The Criteria Committee of the New York H Association. Nomenclature and Criteria fo Diseases of the Heart and Great Vessels. Boston, Mass: Little, Brown & Co; 1994:20	eart 42030 r Diagnosis of 9th ed. 53-256. 42170 42091 42229	Code 0004 4003 3000 3003	Code System Nam SNOMED (SNOMED (SNOMED (SNOMED (SNOMED (Cification

Coding Instruction: Indicate if NYHA was not documented during the follow-up assessment period.

Target Value: The value on Follow-up

Code System Name: SNOMED CT Short Name: F_NYHAND Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





lement: 13689	12 Lead Electrocardiogram Performed	Technical Specification
Coding Instruction:	Indicate if a 12 lead ECG was performed in the follow-up assessment period.	Code: 164847006
-	The value on Follow-up	Code System Name: SNOMED CT
. a. got i aldoi		Short Name: F_12LeadEKG
		Missing Data: Report
		Harvested: Yes (TAVR, TMVR, TMVr, TTVP)
		Is Identifier: No
		Is Base Element: No
		ls Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Data Source. User
lement: 13621	12 Lead Electrocardiogram Findings	Technical Specification
Coding Instruction:	Indicate the 12 lead ECG findings during follow-up. If more than one ECG is performed,	Code: 112000001362
county instruction.	document the findings from any ECG.	Code System Name: ACC NCDR
Target Value:	The value on Follow-up	Short Name: F_EKGChange
Vendor Instruction:	Cannot select option No Significant Changes with any other option: Pathological Q Wave,	Missing Data: Report
Vendor Instruction:	Cardiac Arrhythmia, New Left Bundle Branch Block, Pathological Q Wave, Cardiac Arrhythmia	Harvested: Yes (TAVR, TMVR, TMVrp TTVP)
	or New Left Bundle Branch Block	,
	or New Left Bundle Branch Block	Is Identifier: No
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No
	or New Left Bundle Branch Block	Is Identifier: No
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision:
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple Unit of Measure:
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range:
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range:
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range:
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation
	or New Left Bundle Branch Block	Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Multiple Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13689 12 Lead Electrocardiogram

Selection	Definition	Source	Code	Code System Name
Cardiac Arrhythmia	The patient has a new onset of an atrial or ventricular arrhythmia requiring medication or other therapy. This includes brady or tachy arrhythmias.		698247007	SNOMED CT
No Significant Changes			112000001391	ACC NCDR
Pathological Q Wave			164918000	SNOMED CT
New Left Bundle Branch B	lock		100014019	ACC NCDR





Element: 13492	Echocardiogram Performed	Technic	al Spec	cification
Coding Instruction:	Indicate whether an echo (and the type of echo) was performed in the follow-up assessment		4070100	
	period.	Code System Name:	SNOMED	
Target Value:	Any occurrence on follow-up	Short Name:		「Ech
		Missing Data:		
		Harvested:		S, TAVR, TMVR,
		Is Identifier:	TMVrpr,	IIVP)
		Is Base Element:		
		Is Base Element. Is Followup		
		Element:		
		Data Type:	CD	
		Precision:		
		Selection Type:	Single	
		Unit of Measure:		
		Default Value:	Null	
		Usual Range:		
		Valid Range:	Lloor	
		Data Source:		
				alidation
			Echocardio	ogram Not Performe
		Operator: Equal		
				D.
	4 1 19376 1 4 1 6 5 526	Value: No (or Not	t Answere	ed)
Echocardiogram Type - 1.3.6.1 Selection E	.4.1.19376.1.4.1.6.5.526 Definition Source	· ·	t Answere	ed) Code System Na
Selection C Fransesophageal		· ·	Code	·
Selection E Transesophageal Echocardiogram (TEE)		(Code 76000	Code System Na SNOME
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Echocardiogram (TEE)	Definition Source	(10537 43323	Code 76000 36007	Code System N SNOME
Selection C ransesophageal Echocardiogram (TEE) ransthoracic Echo (TTE) Fransthoracic Echo (TTE)		(10537 43323 Technic	Code 76000 36007 cal Spec	Code System N SNOMEI SNOMEI
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	(10537 43323 Technic Code: Code System	Code 76000 36007 cal Spec 4070100	Code System Na SNOMEI SNOMEI
Selection E Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	(10537 43323 Technic Code: Code System Name:	Code 76000 36007 cal Spec 4070100 SNOMED	Code System Na SNOME SNOME SNOME Sification 8 CT
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 43323 Technic Code: Code System Name: Short Name:	Code 76000 36007 cal Spec 4070100 SNOMED F_EchoN	Code System Na SNOME SNOME SNOME Sification 8 CT
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 43323 Technic Code: Code System Name: Short Name: Missing Data:	Code 76000 36007 2al Spec 4070100 SNOMED F_EchoN Report	Code System Na SNOMEI SNOMEI Sification 8 CT D
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 43323 Technic Code: Code System Name: Short Name: Missing Data:	Code 76000 36007 2al Spec 4070100 SNOMED F_EchoN Report	Code System Na SNOMEI SNOMEI Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Element: 14512	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	Code Short Name: Missing Data: Harvested: Is Identifier:	Code 6000 6007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD: TMVrpr, No	Code System N SNOME SNOME Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	Code: Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	Code 76000 76007 Cal Spec 4070100 SNOMED F_EchoN Report Yes (BD: TMVrpr, ' No No	Code System N SNOME SNOME Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	Code 6000 60007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD: TMVrpr, No No Vos	Code System Na SNOMEI SNOMEI Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 43323 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	Code 6000 6007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD: TMVrpr, No No Yes	Code System Na SNOMEI SNOMEI Sification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 10537 43323 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	Code 6000 60007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD: TMVrpr, No No Yes BL	Code System Na SNOMEI SNOMEI Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 10537 43323 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	Code 76000 36007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD) TMVrpr, No Yes BL	Code System N SNOME SNOME Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 10537 43323 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	Code 76000 36007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD) TMVrpr, No Yes BL	Code System N SNOME SNOME Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Element: 14512	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 10537 43323 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Code 6000 36007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD: TMVrpr, No No Yes BL Single	Code System N SNOME SNOME Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 10537 43323 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	Code 6000 36007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD: TMVrpr, No No Yes BL Single	Code System N SNOME SNOME Cification 8 CT D S, TAVR, TMVR,
Selection C Transesophageal Echocardiogram (TEE) Transthoracic Echo (TTE) Element: 14512 Coding Instruction: Coding Instruction:	Source Echocardiogram Not Performed Indicate if an echocardiogram was not performed during follow-up.	10537 10537 43323 Technic Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Code 6000 36007 cal Spec 4070100 SNOMED F_EchoN Report Yes (BD: TMVrpr, No No Yes BL Single	Code System N SNOME SNOME Cification 8 CT D S, TAVR, TMVR,





Element: 13593	Echocardiogram Date	Techni	cal Specification
			40701008
Coding Instruction:	Indicate the date the echocardiogram was performed.	Code System Name:	
		Name	SNOWED CT
Target Value:	Any occurrence on follow-up	Short Name:	F_POpTTEchDate
		Missing Data:	
		Harvested	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup	Yes
		Liement.	
		Data Type:	
		Precision: Selection Type:	
		Unit of Measure:	-
		Default Value:	
		Usual Range:	
		Valid Range:	:
		Data Source:	User
		Parent/	Child Validation
		Element: 13492	Echocardiogram Performed
		Operator: Equal	
			phageal Echocardiogram (TEI
			Echocardiogram Performed
		Operator: Equal Value: Transthor	acic Echo (TTE)
Element: 13690	Left Ventricular Ejection Fraction	Techni	cal Specification
	Indicate the left ventricular ejection fraction.	Code	10230-1
-		Code System Name:	LOINC
Target Value:	The value on Follow-up	Short Name:	
Supporting Definition:	Most Recent LVEF %	Missing Data:	
	The left ventricular ejection fraction is the percentage of blood emptied from the left ventricle at	Harvested	Yes (BDS, TAVR, TMVR,
	the end of contraction.		TMVrpr, TTVP)
	Source: ACC Clinical Data Standards, Society for Thoracic Surgeons Adult Cardiac Surgery Database (STS)	Is Identifier:	
	Dalapase (STS)	Is Base Element:	
		Is Followup Element:	Yes
		Is Followup Element: Data Type:	
		Liement.	PQ
		Data Type: Precision: Selection Type:	PQ 2,0 Single
		Data Type: Precision: Selection Type: Unit of Measure:	PQ 2,0 Single
		Data Type: Precision: Selection Type: Unit of Measure: Default Value:	PQ 2,0 Single %
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	PQ 2,0 Single % Null 5 - 90 %
		Data Type: Precision: Selection Type: Unit of Measure: Default Value:	PQ 2,0 Single % Null 5 - 90 % 1 - 99 %
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source:	PQ 2,0 Single % Null 5 - 90 % 1 - 99 % User
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	PQ 2,0 Single % Null 5 - 90 % 1 - 99 %
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/	PQ 2,0 Single % Null 5 - 90 % 1 - 99 % User Child Validation
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Valid Range: Data Source: Parent/ Element: 13492 Operator: Equal Value: Transthor	PQ 2,0 Single % Null 5 - 90 % 1 - 99 % User Child Validation Echocardiogram Performed acic Echo (TTE)
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Element: 13492 Operator: Equal Value: Transthor Element: 13492	PQ 2,0 Single % Null 5 - 90 % 1 - 99 % User Child Validation Echocardiogram Performed
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Element: 13492 Operator: Equal Value: Transthor Element: 13492 Operator: Equal	PQ 2,0 Single % Null 5 - 90 % 1 - 99 % User Child Validation Echocardiogram Performed acic Echo (TTE) Echocardiogram Performed
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Element: 13492 Operator: Equal Value: Transthor Element: 13492 Operator: Equal Value: Transeo	PQ 2,0 Single % Null 5 - 90 % User Child Validation Echocardiogram Performed acic Echo (TTE) Echocardiogram Performed
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Element: 13492 Operator: Equal Value: Transthor Element: 13492 Operator: Equal Value: Transeop	PQ 2,0 Single % Null 5 - 90 % User Child Validation Echocardiogram Performed acic Echo (TTE) Echocardiogram Performed bhageal Echocardiogram (TEI
		Data Type: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Element: 13492 Operator: Equal Value: Transthor Element: 13492 Operator: Equal Value: Transthor Element: 13492 Operator: Equal Value: Transthor Element: 13492 Operator: Equal Value: Transeso Element: 13691	PQ 2,0 Single % Null 5 - 90 % User Child Validation Echocardiogram Performed acic Echo (TTE) Echocardiogram Performed bhageal Echocardiogram (TEI AND
		Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Element: 13492 Operator: Equal Value: Transthor Element: 13492 Operator: Equal Value: Transeop	PQ 2,0 Single % Null 5 - 90 % User Child Validation Echocardiogram Performed acic Echo (TTE) Echocardiogram Performed bhageal Echocardiogram (TEI AND





Section: Follow-Up Ima	ging	Parent: Follow-Up Echocardiogram	
lement: 13691	Left Ventricular Ejection Fraction Not Assessed		Technical Specification
Coding Instruction	Indicate whether the left ventricular ejection fraction was no	t assessed	Code: 100001027
-	Indicate whether the left ventricular ejection fraction was no The value on Follow-up	Coo	de System Name: ACC NCDR
	······································		hort Name: F_LVEFNA
		Mis	ssing Data: Report
		1	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is	Identifier: No
			e Element: No
		ls	s Followup Element:
			Data Type: BL
			Precision:
			ction Type: Single
			f Measure:
			ault Value: Null
			sual Range:
			alid Range: ata Source: User
			Parent/Child Validation
		Element	: 13492 Echocardiogram Performed
		Operator	: Equal
		Value	: Transthoracic Echo (TTE)
		Element	: 13492 Echocardiogram Performed
		Operator	•
		Value	: Transesophageal Echocardiogram (TEE)





ment: 13676	Aortic Valve Mean Gradient	Technical Specification
Coding Instruction		Code: 112000001398
-	Indicate the highest aortic valve mean gradient in mm Hg. The highest value on follow up	Code System Name: ACC NCDR
ranget value.		Short Name: F_AVMeanGradient
		Missing Data: Report
		Harvested: Yes (BDS, TAVR, TTVP)
		Is Identifier: No
		Is Base Element: No
		ls Followup Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 5 - 50 mm[Hg]
		Valid Range: 0 - 200 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure





Section: Follow-Up Aortic Valve		Parent: Follow-Up Echocardiogram		
Element: 13669	Aortic Valve Area	Technical Specification		
Coding Instruction:	Indicate the smallest aortic valve area, in cm2.	Code: 112000001280		
-		Code System ACC NCDR		
Target Value:	The value on Follow-up	Short Name: F_AVArea		
		Missing Data: Report		
		Harvested: Yes (TAVR)		
		Is Identifier: No		
		Is Base Element: No		
		Is Followup Flomenti		
		Element: Yes		
		Data Type: PQ		
		Precision: 3,2		
		Selection Type: Single		
		Unit of Measure: cm2		
		Default Value: Null		
		Usual Range: 0.20 - 4.00 cm2		
		Valid Range: 0.05 - 5.00 cm2		
		Data Source: User		
		Parent/Child Validation		
		Element: 13492 Echocardiogram Performed		
		Operator: Equal		
		Value: Transthoracic Echo (TTE)		
		Element: 13492 Echocardiogram Performed		
		Operator: Equal		
		Value: Transesophageal Echocardiogram (TEE)		
		AND		
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type		
		Operator: Equal		
		Value: TAVR		





Element: 13527	Aortic Valve Regurgitation	Technical Specification
		Code: 60234000
Coding Instruct	on: Indicate the severity of aortic valve regurgitation.	Code System Name: SNOMED CT
	If mild-moderate is documented, code as mild.	Short Name: F AR
	If moderate-severe is documented, code as moderate.	Missing Data: Report
Target Va	lue: The value on Follow-up	Harvested: Yes (BDS, TAVR, TTVP)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
/alve Regurgitation Sever	ity - 1.3.6.1.4.1.19376.1.4.1.6.5.767	
Selection	•	urce Code Code System Nan
lone		112000001910 ACC NCC

		Code System Name
None 11:	2000001910	ACC NCDR
Trace/Trivial 11:	2000001911	ACC NCDR
Mild 11:	200000380	ACC NCDR
Moderate 11:	2000000381	ACC NCDR
Severe 11	2000000382	ACC NCDR





Element: 14504	Paravalvular Aortic Regurgitation	Technical Specification	
Coding Instruction:	Indicate the severity of paravalvular aortic regurgitation.	Code: 112000001428	
county instruction.		Code System Name: ACC NCDR	
	Note: If trace/trivial is documented, code "none".	Short Name: F_ParaAR	
Target Value:	The highest value on follow up	Missing Data: Report	
		Harvested: Yes (BDS, TAVR)	
		Is Identifier: No	
		Is Base Element: No	
		Is Followup Element:	
		Element:	
		Data Type: CD Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Validation	
		Element: 13527 Aortic Valve Regurgitation	
		Operator: Equal	
		Value: Mild	
		Element: 13527 Aortic Valve Regurgitation	
		Operator: Equal	
		Value: Moderate	
		Element: 13527 Aortic Valve Regurgitation	
		Operator: Equal Value: Severe	
		Element: 13527 Aortic Valve Regurgitation	
		Operator: Equal	
		Value: Trace/Trivial	
		AND	
		Element: 14527 Paravalvular Aortic Regure Not Documented	jitatio
		Operator: Equal	
		Value: No (or Not Answered)	
		AND	
		Element: 13705 Transcatheter Valve Thera Reference Procedure Type	ару
		Operator: Equal	

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Section: Follow-Up AV F	Regurgitation	Parent: Follow-Up Echocard	llogram		
ement: 14527	Paravalvular Aortic Regurgitation Not Documented	d		Techni	cal Specification
Codina Instruction.	Indicate if the equation of a providential position of the second states			Code	: 112000001428
Target Value:	Indicate if the severity of paravalvular aortic regurgitation v N/A	vas not documented.	Cod	e System Name	ACC NCDR
			Sh	ort Name	: F_ParaARND
			Mis	sing Data	: Report
			н	arvested	: Yes (BDS, TAVR)
			ls	Identifier	: No
				Element	
			ls	Followup	Yes
			_	Element	
				Data Type	
				Precision	
				tion Type Measure	•
				weasure	
				ual Range	
				lid Range	
				ta Source	
					/Child Validation
			Element:		Transcatheter Valve Therapy
			Liement.		e Procedure Type
			Operator:		
			Value:	-	
					- AND
			Element:	13527	Aortic Valve Regurgitation
			Operator:		
			Value:	•	
			Element:	13527	Aortic Valve Regurgitation
			Operator:	Equal	
			Value:	Moderate	
			Element:	13527	Aortic Valve Regurgitation
			Operator:	Equal	
			Value:	Severe	
			Element:		Aortic Valve Regurgitation
			Operator:	-	
			Value:	Trace/Triv	vial





Element: 14500	Control Aartic Regurgitation	Technical Specification
iement: 14500	Central Aortic Regurgitation	Code: 112000001433
Coding Instruction:	Indicate the severity of central aortic regurgitation.	Code System Name:
	Note: If trace/trivial is documented, code "none".	Name: ACC NCDR
		Short Name: F_CentAR
Target Value:	The highest value on follow up	Missing Data: Report
		Harvested: Yes (TAVR) Is Identifier: No
		Is Base Element: No
		Is Followup Followup
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 13527 Aortic Valve Regurgitation
		Operator: Equal Value: Mild
		Element: 13527 Aortic Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 13527 Aortic Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 13527 Aortic Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		AND
		Element: 14490 Central Aortic Regurgitatio Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND AND
		Element: 13705 Transcatheter Valve Ther Reference Procedure Type
		Operator: Equal
		Value: TAVR

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





ent: 14490	Central Aortic Regurgitation Not Documented			Technie	cal Specification
Coding Instruction:	Indicate if central aortic regurgitation was not documented.		. .		112000001433
Target Value:			Cod	e System Name:	ACC NCDR
0					F_CentARND
			Miss	sing Data:	Report
			н	arvested:	Yes (TAVR)
			ls l	dentifier:	No
			Is Base	Element:	No
			ls	Followup	Yes
				Element.	
				Data Type:	
				Precision:	
				ion Type:	•
				Measure:	
				ult Value:	
				al Range:	
				id Range:	
			Dat	a Source:	User
					Child Validation
			Element:		Transcatheter Valve Therapy Procedure Type
		c	Operator:	Equal	
			Value:	TAVR	
		-			AND
			Element:	13527	Aortic Valve Regurgitation
		c	Operator:	Equal	
			Value:	Mild	
			Element:	13527	Aortic Valve Regurgitation
		c	Operator:	Equal	
			Value:	Moderate	
			Element:	13527	Aortic Valve Regurgitation
		c	Operator:	Equal	
			Value:	Severe	
			Element:	13527	Aortic Valve Regurgitation
		c	Operator:		
			Value:	Trace/Triv	ial





Section: Follow-Up MV Imaging Parent: Follow-Up Echocardiogram Element: 13778 **Technical Specification** Mitral Valve Mean Gradient Code: 112000001191 Coding Instruction: Indicate the highest mitral valve mean gradient, in mm Hg. Code System Name: ACC NCDR Target Value: The highest value on follow up Short Name: F_MeanMVGrad Supporting Definition: Mitral Valve Mean Gradient Missing Data: Report The average gradient across the mitral valve occurring during the entire systole. Harvested: Yes (BDS, TMVR, TMVrpr) Source: Baumgartner, H. et. al (2009). Echocardiographic assessment of valve stenosis: Is Identifier: No EAE/ASE recommendations for clinical practice. Is Base Element: No Is Followup Yes Element: Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 5 - 50 mm[Hg] Valid Range: 0 - 150 mm[Hg] Data Source: User Parent/Child Validation Element: 13492 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13492 Echocardiogram Performed Operator: Equal Value: Transesophageal Echocardiogram (TEE) AND Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: TMVR Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: TMVr





Section: Follow-Up MV	Imaging Parent: Follow-Up Echocal	
Element: 13768	Effective Regurgitant Orifice Area	Technical Specification
Coding Instruction:	Indicate the effective regurgitant orifice area (EROA), in cm2.	Code: 112000001437
-		Code System Name: ACC NCDR
l'arget value:	The highest value on follow up	Short Name: F_MV_EOA
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		ls Followup Element:
		Data Type: PQ
		Precision: 2,1
		Selection Type: Single
		Unit of Measure: cm2
		Default Value: Null
		Usual Range: 0.1 - 5.0 cm2
		Valid Range: 0.1 - 5.0 cm2 Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVr
Element: 13780	Effective Regurgitant Orifice Area Method of Assessment	Technical Specification
		Code: 112000001437
Coding Instruction:	Indicate the method used to assess the effective orifice area. If multiple methods are available, code the 3D planimetry method first, then PISA.	Code System Name: ACC NCDR
Target Value:	The value on Follow-up	Short Name: F_MV_EOA_MOA
laiget value.	The value of t ollow-up	Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13768 Effective Regurgitant Orifice
		Operator:

Effective Regurgitant Orifice Area Method of Assessment - 1.3.6.1.4.1.19376.1.4.1.6.5.547

Selection	Definition	Source	Code	Code System Name
3D Planimetry			112000001438	ACC NCDR
Proximal Isovelocity Surface Area			112000001439	ACC NCDR
Quantitative Doppler			112000001440	ACC NCDR
Other			100000351	ACC NCDR





Section: Follow-Up MV		Parent: Follow-Up Echocardiogram
Element: 13781	Mitral Valve Area	Technical Specification
Coding Instruction:	Indicate the smallest mitral valve area in centimeters square	Code: 251012002
-	The value on Follow-up	d. Code System SNOMED CT
-	·	Short Name: F_MVA
Supporting Definition:		Missing Data: Report
	Measurement of mitral valve area.	Harvested: Yes (TMVR)
	Source:	Is Identifier: No
		Is Base Element: No Is Followup
		Element:
		Data Type: PQ
		Precision: 4,2
		Selection Type: Single
		Unit of Measure: cm2 Default Value: Null
		Usual Range: 3.00 - 6.00 cm2
		Valid Range: 0.05 - 12.00 cm2
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE) Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVR
lement: 13773	Left Ventricular Outflow Tract Peak Velocity	Technical Specification
Coding Instruction:	Indicate the left ventricular outflow tract peak velocity in m/	Code: 11200002047
-		sec. Code System Name:
larget Value:	The highest value on follow up	Short Name: F_LVOT
		Missing Data: Report
		Harvested: Yes (BDS, TMVR)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: PQ
		Precision: 3,1
		Selection Type: Single
		Unit of Measure: m/sec
		Default Value: Null Usual Range: 0.5 - 5.0 m/sec
		Valid Range: 0.0 - 10.0 m/sec
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal

Value: TMVR





Section: Follow-Up MV Imaging		Parent: Follow-Up Echocardiogram
Element: 13782	Systolic Anterior Motion Present	Technical Specification
Coding Instruction:	Indicate if systolic anterior motion of the mitral valve was pre	Code: 112000001481
-		Code System ACC NCDR Name:
Target Value:	The value on Follow-up	Short Name: F SAM
		Missing Data: Report
		Harvested: Yes (TMVR)
		Is Identifier: No
		Is Base Element: No
		Is Followup
		Element: Tes
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVR





Section: Follow-Up MV	ction: Follow-Up MV Imaging Parent: Follow-Up Echocardiogram		
Element: 13783	Left Ventricular Internal Systolic Dimension	Technical Specification	
Coding Instruction:	Indicate the left ventricular internal systolic dimension in cm. The value on Follow-up	Code: 11200001424 Code System Name: Short Name: F_LVIDs Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: No	
		Is Base Element: No Is Followup Element: Yes Data Type: PQ Precision: 2,1 Selection Type: Single Unit of Measure: cm Default Value: Null Usual Range: 2.5 - 4.5 cm Valid Range: 1.0 - 9.0 cm	
		Data Source: User Parent/Child Validation	
		Element: 13492 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13492 Echocardiogram Performed Operator: Equal Value: Transesophageal Echocardiogram (TEE) AND Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: TMVR Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: TMVR Element: 143705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: TMVr	





Section: Follow-Up MV	maging	Parent: Follow-Up Echocardi	iogram	
lement: 14536	Left Ventricular Internal Systolic Dimension Not M	leasured	Technic	al Specification
Coding Instruction:	Indicate if the left ventricular internal systolic dimension was	s not measured	Code:	112000001424
Target Value:		s not measured.	Code System Name:	ACC NCDR
Talget Value.			Short Name:	F_LVIDs_NM
			Missing Data:	Report
			Harvested:	Yes (BDS, TMVR, TMVrpr)
			Is Identifier:	No
			Is Base Element:	
			Is Followup	Yes
			Element.	
			Data Type:	BL
			Precision:	0. 1
			Selection Type: Unit of Measure:	Single
			Default Value:	Null
			Usual Range:	Null
			Valid Range:	
			Data Source:	User
				Child Validation
				Echocardiogram Performed
		Ĺ	Operator: Equal	
			Value: Transthora Element: 13492	Echocardiogram Performed
			Derator: Equal	zchocardiogram Periormed
			•	hageal Echocardiogram (TEE
		_		
		1		Transcatheter Valve Therapy Procedure Type
		c	Operator: Equal	
			Value: TMVR	
		1	Element: 13705	Transcatheter Valve Therapy Procedure Type
		c	Operator: Equal	
			Value: TMVr	





ement: 13784	Left Ventricular Internal Diastolic Dimension	Technical Specification
Codina Instruction.	ladieste des left verdainvles internel diestelle dimension in en	Code: 112000001425
-	Indicate the left ventricular internal diastolic dimension in cm.	Code System ACC NCDR
Target Value:	The value on Follow-up	Name:
		Short Name: F_LVIDd Missing Data: Report
		Harvested: Yes (BDS, TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		Is Followup
		Element:
		Data Type: PQ
		Precision: 3,1 Selection Type: Single
		Unit of Measure: cm
		Default Value: Null
		Usual Range: 3.5 - 5.5 cm
		Valid Range: 1.0 - 10.0 cm
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal Value: Transesophageal Echocardiogram (TEE
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVr
		AND
		Element: 14537 Left Ventricular Internal Diasto Dimension Not Measured
		Operator: Equal
		Value: No (or Not Answered)





lement: 14537	Left Ventricular Internal Diastolic Dimension Not Measured	Technical Specification
		Code: 112000001425
Coding Instruction: Target Value:	Indicate if the left ventricular internal diastolic dimension was not measured. N/A	Code System Name: ACC NCDR
		Short Name: F_LVIDd_NM Missing Data: Report
		Harvested: Yes (BDS, TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: BL
		Precision: Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal Value: TMVR
		Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type
		Operator: Equal
		Value: TMVr





ement: 13786	Left Ventricular End Systolic Volume	Technical Specification
Coding Instruction:	Indicate the left ventricular end systolic volume in ml.	Code: 250931004
-	·	Code System Name: SNOMED CT
Target Value:	The value on Follow-up	Short Name: F_LVESV
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mL
		Default Value: Null
		Usual Range: 10 - 150 mL
		Valid Range: 1 - 300 mL
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (T
		AND
		Element: 13705 Transcatheter Valve Thera Reference Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Thera Reference Procedure Type
		Operator: Equal
		Value: TMVr
		Element: 14539 Left Ventricular End Systol Volume Not Measured
		Operator: Equal
		Value: No (or Not Answered)





lement: 14539	Left Ventricular End Systolic Volume Not Measured	Technical Specification
	·	Code: 250931004
Coding Instruction: Target Value:	Indicate if the left ventricular end systolic volume was not measured. N/A	Code System Name: SNOMED CT
Ū		Short Name: F_LVESV_NM
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element: Yes
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVr





ment: 13785	Left Ventricular End Diastolic Volume	Те	echnical Specification
			Code: 250932006
Coding Instruction:	Indicate the left ventricular end diastolic volume in ml.	Code S	ystem SNOMED CT Name:
Target Value:	The value on Follow-up		
			Name: F_LVEDV
			J Data: Report
			ested: Yes (TMVR, TMVrpr) ntifier: No
		Is Base El	
			llowup
			ement:
		Data	Type: PQ
			cision: 3,0
		Selection	Type: Single
		Unit of Me	asure: mL
		Default	Value: Null
			Range: 40 - 250 mL
			Range: 1 - 400 mL
		Data S	ource: User
		Pa	arent/Child Validation
		Element: 13	492 Echocardiogram Performed
		Operator: Eq	
			ansthoracic Echo (TTE)
		Element: 13	•
		Operator: Eq	
			ansesophageal Echocardiogram (TE
			AND AND
			705 Transcatheter Valve Therap ference Procedure Type
		Operator: Eq	
		Value: TM	
			ference Procedure Type
		Operator: Eq	
		Value: TM	
			/ III D
			538 Left Ventricular End Diastolic lume Not Measured
		Operator: Eq	ual
		Value: No	(or Not Answered)





Section: Follow-Up MV	maging	Parent: Follow-Up Echocardi	iogram
Element: 14538	Left Ventricular End Diastolic Volume Not	Measured	Technical Specification
O a dia a la stanti a d	In the state of the last constrained as an electronic framework and		Code: 250932006
Coding Instruction: Target Value:	Indicate if the left ventricular end diastolic volume N/A	was not measured.	Code System Name: SNOMED CT
			Short Name: F_LVEDV_NM
			Missing Data: Report
			Harvested: Yes (TMVR, TMVrpr)
			Is Identifier: No
			Is Base Element: No
			Is Followup Element:
			Data Type: BL
			Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 13492 Echocardiogram Performed
		C	Operator: Equal
			Value: Transthoracic Echo (TTE)
			Element: 13492 Echocardiogram Performed
		C	Operator: Equal
			Value: Transesophageal Echocardiogram (TEE)
			AND
		1	Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		C	Dperator: Equal
			Value: TMVR
		F	Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
			Operator: Equal
			Value: TMVr





ement: 13787	Left Atrial Volume	Technical Specification
		Code: 112000001426
Coding Instruction	Indicate the left atrial volume in ml.	Code System Name: ACC NCDR
Target Value:	The value on Follow-up	Name: ACC NCDR
		Short Name: F_LAVol
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No Is Base Element: No
		Is Followup Element: Yes
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single
		Unit of Measure: mL
		Default Value: Null
		Usual Range: 10 - 90 mL
		Valid Range: 1 - 500 mL
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE) Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVr
		AND
		Element: 14540 Left Atrial Volume Not Measure
		Operator: Equal
		Value: No (or Not Answered)





Section: Follow-Up MV Imaging Parent: Follow-Up Echoo		w-Up MV Imaging Parent: Follow-Up Echocardiogram	
lement: 14540 Left Atrial Volume Not Measured		Technical Specification	
Coding Instruction:	Indicate if the left atrial volume was not measured.	Code: 112000001426	
Target Value:		Code System Name: ACC NCDR	
Target Value.		Short Name: F_LAVol_NM	
		Missing Data: Report	
		Harvested: Yes (TMVR, TMVrpr)	
		Is Identifier: No	
		Is Base Element: No	
		Is Followup Element:	
		Data Type: BL	
		Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Validation	
		Element: 13492 Echocardiogram Performed	
		Operator: Equal	
		Value: Transthoracic Echo (TTE)	
		Element: 13492 Echocardiogram Performed	
		Operator: Equal	
		Value: Transesophageal Echocardiogram (TEE)	
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type	
		Operator: Equal	
		Value: TMVR	
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type	
		Operator: Equal	
		Value: TMVr	





Section: Follow-Up MV		Parent: Follow-Up Echocardiogram
Element: 13788	Left Atrial Volume Index	Technical Specification
Coding Instruction:	Indicate the left atrial volume index in mL/m2.	Code: 112000001427
Ū		Code System Name:
l'arget Value:	The value on Follow-up	Short Name: F LAVolIndex
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		Is Followup Yes
		Liement.
		Data Type: PQ
		Precision: 3,0
		Selection Type: Single Unit of Measure: ml/m2
		Usual Range: 10 - 90 ml/m2
		Valid Range: 1 - 250 ml/m2
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		AND
		Element: 14582 Left Atrial Volume Index Not Measured
		Operator: Equal
		Value: No (or Not Answered)





Element: 14582	Left Atrial Volume Index Not Measured		Technical Specification
			Code: 112000001427
Coding Instruction: Target Value:	Indicate if the left atrial volume index was not measured.		Code System Name: ACC NCDR
			Short Name: F_LAVolIndex_NM Missing Data: Report
			Harvested: Yes (TMVR, TMVrpr) Is Identifier: No
		l	s Base Element: No Is Followup Element:
			Element: Data Type: BL Precision:
			Selection Type: Single Unit of Measure:
			Default Value: Null Usual Range:
			Valid Range: Data Source: User
			Parent/Child Validation
		Ope	ement: 13492 Echocardiogram Performed erator: Equal Value: Transthoracic Echo (TTE)
		Ope	ement: 13492 Echocardiogram Performed erator: Equal
			Value: Transesophageal Echocardiogram (TEE) AND
		Ele	ement: 13705 Transcatheter Valve Therapy Reference Procedure Type
		-	erator: Equal Value: TMVr
		Ele	ement: 13705 Transcatheter Valve Therapy Reference Procedure Type
			erator: Equal Value: TMVR





lement: 13673	Mitral Regurgitation		Technical Specification
	3 0		Code: 48724000
Coding Instruction:	Indicate highest level of mitral regurgitation.	Cod	e System Name: SNOMED CT
	If mild-moderate is documented, code as mild.		ort Name: F_MR
Target Value:	The value on Follow-up	Miss	sing Data: Report
		н	arvested: Yes (BDS, TMVR, TMVrpr, TTVP)
		ls I	dentifier: No
			Element: No
		Is	Followup Element:
			Data Type: CD
		F	Precision:
		Select	ion Type: Single
			Measure:
			ult Value: Null
			ial Range: id Range:
			a Source: User
			Parent/Child Validation
		Element:	
		Operator:	0
		Value:	Transthoracic Echo (TTE)
		Element:	13492 Echocardiogram Performed
		Operator:	
			Transesophageal Echocardiogram (TEE
			AND
			13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator:	•
		Value:	
		Element:	13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator:	•
			Tricuspid Valve Procedure
			13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator:	•
		Value:	TMVr

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Trace/Trivial			112000001911	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Moderate-Severe			1000142345	ACC NCDR
Severe			11200000382	ACC NCDR





Section: Follow-Up MV Regurgitation		Parent: Follow-Up Echocardiogram		
Element: 13776	Paravalvular Mitral Regurgitation	Technical Specification		
Coding Instruction	Indicate the severity of paravalvular mitral regurgitation.	Code: 112000001428		
coung instruction.		Code System Name: ACC NCDR		
	Note: If trace/trivial is documented, code "none".	Short Name: F_ParaMR		
Target Value:	The highest value on follow up	Missing Data: Report		
		Harvested: Yes (BDS, TMVR)		
		Is Identifier: No		
		Is Base Element: No		
		Is Followup Element:		
		Data Type: CD		
		Precision:		
		Selection Type: Single		
		Unit of Measure:		
		Default Value: Null		
		Usual Range:		
		Valid Range: Data Source: User		
		Parent/Child Validation		
		Element: 13673 Mitral Regurgitation Operator: Equal		
		Value: Mild		
		Element: 13673 Mitral Regurgitation		
		Operator: Equal		
		Value: Moderate		
		Element: 13673 Mitral Regurgitation		
		Operator: Equal		
		Value: Severe		
		Element: 13673 Mitral Regurgitation		
		Operator: Equal Value: Trace/Trivial		
		Element: 13673 Mitral Regurgitation		
		Operator: Equal		
		Value: Moderate-Severe		
		AND		
		Element: 14528 Paravalvular Mitral Regurgi Not Documented		
		Operator: Equal		
		Value: No (or Not Answered)		
		AND		
		Element: 13705 Transcatheter Valve Thera Reference Procedure Type		
		Operator: Equal		

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR

Value: TMVR





Section: Follow-Up MV	Regurgitation	Parent: Follow-Up Echocard	diogram	
Element: 14528	Paravalvular Mitral Regurgitation Not Documented		٦	Technical Specification
	Indicate if the severity of paravalvular mitral regurgitation w		Code Shor Missir Is Id Is Base E Is Fr E Da Pr Selectio Unit of M	Code: 112000001428 System ACC NCDR Name: F_ParaMRND ng Data: Report rvested: Yes (BDS, TMVR) entifier: No ollowup Yes Element: No ollowup Yes etat Type: BL ecision: Single
			Valid Data	I Range: I Range: Source: User Parent/Child Validation
			Operator: E Value: ⊺	Reference Procedure Type Equal MVR AND 3673 Mitral Regurgitation Equal
			Element: 1 Operator: E Value: M Element: 1 Operator: E Value: S	3673 Mitral Regurgitation Equal Aoderate 3673 Mitral Regurgitation Equal
			Element: 1 Operator: E Value: T Element: 1 Operator: E	3673 Mitral Regurgitation Equal Trace/Trivial 3673 Mitral Regurgitation





Section: Follow-Up MV Regurgitation		Parent: Follow-Up Echocardiogram		
Element: 13777	Central Mitral Regurgitation	Technical Specification		
Coding Instruction:	Indicate the severity of central mitral regurgitation.	Code: 112000001433		
		Code System ACC NCDR Name:		
	Note: If trace/trivial is documented, code "none".	Short Name: F_CentralMR		
Target Value:	The highest value on follow up	Missing Data: Report		
		Harvested: Yes (BDS, TMVR)		
		Is Identifier: No Is Base Element: No		
		Is Followup		
		Element:		
		Data Type: CD		
		Precision:		
		Selection Type: Single Unit of Measure:		
		Default Value: Null		
		Usual Range:		
		Valid Range:		
		Data Source: User		
		Parent/Child Validation		
		Element: 13673 Mitral Regurgitation		
		Operator: Equal Value: Mild		
		Element: 13673 Mitral Regurgitation		
		Operator: Equal		
		Value: Moderate		
		Element: 13673 Mitral Regurgitation		
		Operator: Equal		
		Value: Severe Element: 13673 Mitral Regurgitation		
		Operator: Equal		
		Value: Trace/Trivial		
		Element: 13673 Mitral Regurgitation		
		Operator: Equal		
		Value: Moderate-Severe		
		Element: 14491 Central Mitral Regurgitation No		
		Documented		
		Operator: Equal		
		Value: No (or Not Answered)		
		AND AND		
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type		
		Operator: Equal		
		Value: TMVR		

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Section: Follow-Up MV Regurgitation		Parent: Follow-Up Echocardiogram
Element: 14491	Central Mitral Regurgitation Not Documented	Technical Specification
	Indicate if central mitral regurgitation was not documented.	Code: 11200001433 Code System Name: ACC NCDR Short Name: F_CentralMRND Missing Data: Report Harvested: Yes (BDS, TMVR) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
		Data Source: User Parent/Child Validation Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal
		Value: TMVR AND Element: 13673 Mitral Regurgitation Operator: Equal Value: Mild
		Element: 13673 Mitral Regurgitation Operator: Equal Value: Moderate Element: 13673 Mitral Regurgitation Operator: Equal Value: Severe
		Element: 13673 Mitral Regurgitation Operator: Equal Value: Trace/Trivial Element: 13673 Mitral Regurgitation Operator: Equal Value: Moderate-Severe





Section: Follow-Up TV Imaging		nt: Follow-Up Echocardiogram
Element: 14545	Tricuspid Valve Diastolic Gradient	Technical Specification
		Code: 112000001512
Coding Instruction:	Indicate the tricuspid valve diastolic gradient in mm Hg. This can al gradient.	Code System Name:
Target Value:	The highest value on follow up	Short Name: F_TVDGrad
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element: Yes
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm[Hg]
		Default Value: Null
		Usual Range: 1 - 15 mm[Hg]
		Valid Range: 1 - 50 mm[Hg]
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 14546 Tricuspid Valve Diastolic Gradier Not Documented
		Operator: Equal
		Value: No (or Not Answered)





Section: Follow-Up TV	maging	Parent: Follow-Up Echocardi	iogram
lement: 14546	Tricuspid Valve Diastolic Gradient Not Documen	ed	Technical Specification
Coding Instruction:	Indicate if the tricuspid valve diastolic gradient was not do	rumontod	Code: 112000001512
-		sumented.	Code System Name: ACC NCDR
Target Value:	N/A		Name: Short Name: F TVDGradND
			Missing Data: Report
			Harvested: Yes (TTVP)
			Is Identifier: No
			Is Base Element: No
			Is Followup Flomentu Yes
			Element: Yes
			Data Type: BL
			Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 13492 Echocardiogram Performed
		c	Operator: Equal
			Value: Transthoracic Echo (TTE)
			Element: 13492 Echocardiogram Performed
		c	Operator: Equal
			Value: Transesophageal Echocardiogram (TEE)
		-	AND
			Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		c	Operator: Equal
			Value: Tricuspid Valve Procedure





Section: Follow-Up TV Imaging		rent: Follow-Up Echocardiogram
Element: 14547	Tricuspid Valve Annulus Size	Technical Specification
		Code: 112000001513
Coding Instruction:	Indicate the tricuspid valve annulus size in mm. Document the s chamber view is preferred (in mm).	ize using end-diastolic, 4 Code System Name: ACC NCDR
Target Value:	The value on Follow-up	Short Name: F_TVAnnulus
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: PQ
		Precision: 2,0
		Selection Type: Single
		Unit of Measure: mm
		Default Value: Null
		Usual Range: 15 - 60 mm
		Valid Range: 1 - 80 mm
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 14548 Tricuspid Valve Annulus Size No Documented
		Operator: Equal
		Value: No (or Not Answered)





Section: Follow-Up TV Imaging		Parent: Follow-Up Echocardiogram		
lement: 14548	Tricuspid Valve Annulus Size Not Documented		Technical Specification	
Coding Instruction:	Indicate if the tricuspid valve annulus size was not docume	ated	Code: 112000001513	
-	·		Code System Name: ACC NCDR	
Target Value:	N/A		Short Name: F TVAnnulusND	
			Missing Data: Report	
			Harvested: Yes (TTVP)	
			Is Identifier: No	
			Is Base Element: No	
			Is Followup Floment	
			Element: Yes	
			Data Type: BL	
			Precision:	
			Selection Type: Single	
			Unit of Measure:	
			Default Value: Null	
			Usual Range:	
			Valid Range:	
			Data Source: User	
			Parent/Child Validation	
			Element: 13492 Echocardiogram Performed	
		c	Operator: Equal	
			Value: Transthoracic Echo (TTE)	
			Element: 13492 Echocardiogram Performed	
		C	Operator: Equal	
			Value: Transesophageal Echocardiogram (TEE)	
		-	AND	
			Element: 13705 Transcatheter Valve Therapy Reference Procedure Type	
		c	Operator: Equal	
			Value: Tricuspid Valve Procedure	





Section: Follow-Up TV Imaging		Parent: Follow-Up Echocardiogram
Element: 14549	End Diastolic Mid Right Ventricle Diameter	Technical Specification
Coding Instruction:	Indicate the end-diastolic mid right ventricular (RV) diameter	Code: 112000001514
-	The value on Follow-up	r, using the 4 chamber view (in cm). Code System Name:
0	·	Short Name: F_MidRVDia
		Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: No
		Is Followup _{Yes} Element:
		Data Type: PQ
		Precision: 2,1
		Selection Type: Single
		Unit of Measure: cm
		Default Value: Null
		Usual Range: 1.0 - 7.0 cm
		Valid Range: 0.1 - 9.9 cm
		Data Source: User
		Parent/Child Validation
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transthoracic Echo (TTE)
		Element: 13492 Echocardiogram Performed
		Operator: Equal
		Value: Transesophageal Echocardiogram (TEE
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure
		AND
		Element: 14550 End Diastolic Mid Right Ventrie Diameter Not Documented
		Operator: Equal
		Value: No (or Not Answered)





Section: Follow-Up TV Imaging		Parent: Follow-Up Echocardiogram		
Element: 14550	End Diastolic Mid Right Ventricle Diameter Not Do	ocumented	Technical Specification	
Coding Instruction.	Indicate if the end-diastolic mid right ventricular diameter wa	a not desumanted	Code: 112000001514	
Target Value:	·	s not documented.	Code System Name: ACC NCDR	
Tangot Valuo.			Short Name: F_MidRVDiaND	
			Missing Data: Report	
			Harvested: Yes (TTVP)	
			Is Identifier: No	
			Is Base Element: No	
			Is Followup Element:	
			Data Type: BL	
			Precision:	
			Selection Type: Single	
			Unit of Measure:	
			Default Value: Null	
			Usual Range:	
			Valid Range:	
			Data Source: User	
			Parent/Child Validation	
			Element: 13492 Echocardiogram Performed	
			Operator: Equal	
			Value: Transthoracic Echo (TTE)	
			Element: 13492 Echocardiogram Performed	
			Operator: Equal	
			Value: Transesophageal Echocardiogram (TEE)	
			AND	
			Element: 13705 Transcatheter Valve Therapy Reference Procedure Type	
			Operator: Equal	
			Value: Tricuspid Valve Procedure	





Section: Follow-Up TV Imaging		Parent: Follow-Up Echocardiogram		
Element: 14551	End Diastolic Basal Right Ventricle Diameter		Technical Specification	
	e dia da dia dalla dalla handali dia da (D) () dia	and an order of the Archaencher day for	Code: 112000001515	
Coding Instruction:	Indicate the end-diastolic basal right ventricular (RV) dian cm).	neter, using the 4 chamber view (in	Code System Name: ACC NCDR	
Target Value:	The value on Follow-up		Short Name: F_BasalRVDia	
			Missing Data: Report	
			Harvested: Yes (TTVP)	
			Is Identifier: No	
			Is Base Element: No	
			Is Followup Element:	
			Data Type: PQ	
			Precision: 2,1	
			Selection Type: Single	
			Unit of Measure: cm	
			Default Value: Null	
			Usual Range: 1.0 - 7.0 cm	
			Valid Range: 0.1 - 9.9 cm	
			Data Source: User	
			Parent/Child Validation	
			Element: 13492 Echocardiogram Performed	
			Operator: Equal	
			Value: Transthoracic Echo (TTE)	
			Element: 13492 Echocardiogram Performed	
			Operator: Equal	
			Value: Transesophageal Echocardiogram (TEE)	
			AND	
			Element: 13705 Transcatheter Valve Therapy Reference Procedure Type	
			Operator: Equal	
			Value: Tricuspid Valve Procedure	
			AND	
			Element: 14552 End Diastolic Basal Right Ventricle Diameter Not Documented	
			Operator: Equal	
			Value: No (or Not Answered)	





Section: Follow-Up TV I	maging	Parent: Follow-Up Echoc	Parent: Follow-Up Echocardiogram		
lement: 14552	End Diastolic Basal Right Ventricle Diameter Not Documented		Technical Specification		
Coding Instruction:	Indicate if the basal diastolic mid right ventricular (RV) diameter was not documented		112000001515	
Target Value:		j diameter was not documented.	Code System Name:	ACC NCDR	
Ū			Short Name:	F_BasalDiaND	
			Missing Data:	Report	
			Harvested:	Yes (TTVP)	
			Is Identifier:	No	
			Is Base Element:		
			Is Followup Element:	Yes	
			Data Type:	BL	
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
			Parent/	Child Validation	
			Element: 13492	Echocardiogram Performed	
			Operator: Equal		
			Value: Transthor	acic Echo (TTE)	
			Element: 13492	Echocardiogram Performed	
			Operator: Equal		
			Value: Transesor	phageal Echocardiogram (TEE	
				AND	
				Transcatheter Valve Therapy Procedure Type	
			Operator: Equal		
			Value: Tricuspid	Valve Procedure	





Operator: Equal

Value: No (or Not Answered)

Section: Follow-Up TV Imaging Parent: Follow-Up Echocardiogram Element: 14553 **Technical Specification** Right Ventricular Systolic Pressure Code: 276772001 Code System SNOMED CT Coding Instruction: Indicate the right ventricular systolic pressure in mm Hg. Target Value: The highest value on follow up Short Name: F RVSP Supporting Definition: RV Systolic Pressure Missing Data: Report The maximum pressure exerted into the systemic arterial circulation during the contraction of Harvested: Yes (TTVP) the right ventricle of the heart Is Identifier: No Source: NCI EVS Is Base Element: No Is Followup Yes Element: Data Type: PQ Precision: 3,0 Selection Type: Single Unit of Measure: mm[Hg] Default Value: Null Usual Range: 15 - 30 mm[Hg] Valid Range: 1 - 200 mm[Hg] Data Source: User Parent/Child Validation Element: 13492 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13492 Echocardiogram Performed Operator: Equal Value: Transesophageal Echocardiogram (TEE) AND Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: Tricuspid Valve Procedure AND Element: 14554 Right Ventricular Systolic Pressure Not Documented





Section: Follow-Up TV Imaging Parent: Follow-Up Echocardiogram Element: 14554 **Technical Specification** Right Ventricular Systolic Pressure Not Documented Code: 276772001 Code System SNOMED CT Coding Instruction: Indicate if the right ventricular systolic pressure was not documented. Short Name: F RVSPND Target Value: N/A Missing Data: Report Supporting Definition: RV Systolic Pressure Harvested: Yes (TTVP) The maximum pressure exerted into the systemic arterial circulation during the contraction of Is Identifier: No the right ventricle of the heart Is Base Element: No Is Followup Yes Source: NCI EVS Element: Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13492 Echocardiogram Performed Operator: Equal Value: Transthoracic Echo (TTE) Element: 13492 Echocardiogram Performed Operator: Equal Value: Transesophageal Echocardiogram (TEE) AND Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: Tricuspid Valve Procedure





Element: 13678	Tricuspid Valve Regurgitation	Тес	chnical Specification
			ode: 111287006
Coding Instruction:	Indicate the severity of tricuspid regurgitation.	Code Sy	stem SNOMED CT
	If mild-moderate is documented, code as mild. If moderate-severe is documented, code as moderate.	Short N	ame: F_Post_TR
	,	Missing	Data: Report
Target Value:	The value on Follow-up	Harve	sted: Yes (BDS, TAVR, TMVR, TTV
			tifier: No
		Is Base Eler	
		Is Folio Eler	owup nent:
			Type: CD
		Preci	
			Type: Single
		Unit of Mea	
			alue: Null
		Usual R	•
		Valid R	ange: urce: User
			rent/Child Validation
			92 Echocardiogram Performed
		Operator: Equa	ai Isthoracic Echo (TTE)
			92 Echocardiogram Performed
		Operator: Equa	•
			sesophageal Echocardiogram (TEE)
			D5 Transcatheter Valve Therapy erence Procedure Type
		Operator: Equa	••
			uspid Valve Procedure
			5 Transcatheter Valve Therapy erence Procedure Type
		Operator: Equa	••
		Value: TMV	′R
		Element: 1370 Refe	5 Transcatheter Valve Therapy erence Procedure Type
		Operator: Equa	••
		Value: TAV	R

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Trace/Trivial			112000001911	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Element: 14506	Paravalvular Tricuspid Regurgitation	Technical Specification
		Code: 112000001428
Coding Instruction:	Indicate the severity of paravalvular tricuspid regurgitation.	Code System Name:
	Note: If trace/trivial is documented, code "none".	Short Name: F_ParaTR
Target Value:	The highest value on follow up	Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: No
		ls Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13678 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13678 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 13678 Tricuspid Valve Regurgitation Operator: Equal
		Value: Severe
		Element: 13678 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		AND
		Element: 14529 Paravalvular Tricuspid Regurgitation Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Section: Follow-Up TV F	Regurgitation	Parent: Follow-Up Echocardi	iogram	
lement: 14529	Paravalvular Tricuspid Regurgitation Not Docume	ented	Techni	cal Specification
O a dia a la stanti a d			Code:	112000001428
Coding Instruction: Target Value:	Indicate if the severity of paravalvular tricuspid regurgitation N/A	on was not documented.	Code System Name:	ACC NCDR
			Short Name:	F_ParaTRND
			Missing Data:	Report
			Harvested:	Yes (TTVP)
			Is Identifier:	No
			Is Base Element:	
			Is Followup Element:	Yes
			Data Type:	BL
			Precision:	
			Selection Type:	Single
			Unit of Measure:	
			Default Value:	Null
			Usual Range:	
			Valid Range:	
			Data Source:	User
				Child Validation
			Element: 13678	Tricuspid Valve Regurgitation
		c	Operator: Equal	
			Value: Mild	
				Tricuspid Valve Regurgitation
		C	Operator: Equal	
			Value: Moderate	
				Tricuspid Valve Regurgitation
		C	Operator: Equal	
			Value: Severe	
				Tricuspid Valve Regurgitation
		c	Operator: Equal	
			Value: Trace/Triv	
				7.110
				Transcatheter Valve Therapy Procedure Type
		0	Operator: Equal	
			Value: Tricuspid	Valve Procedure





Element: 14502	Central Tricuspid Regurgitation	Technical Specification
0		Code: 112000001433
Coding Instruction:	Indicate the severity of central tricuspid regurgitation.	Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".	Short Name: F_CenTR
Target Value:	The highest value on follow up	Missing Data: Report
		Harvested: Yes (TTVP)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element: Yes
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13678 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 13678 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Moderate Element: 13678 Tricuspid Valve Regurgitation
		Element: 13678 Tricuspid Valve Regurgitation Operator: Equal
		Value: Severe
		Element: 13678 Tricuspid Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial
		AND
		Element: 14492 Central Tricuspid Regurgitation Not Documented
		Operator: Equal
		Value: No (or Not Answered)
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: Tricuspid Valve Procedure

Valve Regurgitation Severity 4 - 1.3.6.1.4.1.19376.1.4.1.6.5.768

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Section: Follow-Up TV I	Regurgitation	Parent: Follow-Up Echocard	iogram		
lement: 14492	Central Tricuspid Regurgitation Not Documented			Techni	cal Specification
Cadina Instructions	Indicate if control trianonial accountitation may not also more t				: 111287006
Target Value:	Indicate if central tricuspid regurgitation was not documente N/A		Cod	e System Name	SNOMED CT
					: F_CenTRND
			Miss	sing Data	: Report
			н	arvested	: Yes (TTVP)
			ls	dentifier	: No
				Element	
			ls	Followup	Yes
				Element	•
				Data Type	
				Precision	
				ion Type Measure	•
				ult Value	
				al Range	
				id Range	
				a Source	
			Da		
					Child Validation
			Element:		Transcatheter Valve Therapy e Procedure Type
			Operator:		
			Value:	Tricuspid	Valve Procedure
		-			AND
			Element:	13678	Tricuspid Valve Regurgitation
		0	Operator:	-	
			Value:		
			Element:		Tricuspid Valve Regurgitation
			Operator:	•	
				Moderate	
			Element:		Tricuspid Valve Regurgitation
		c c c c c c c c c c c c c c c c c c c	Operator:	•	
				Severe	T I 11/1 B 22
			Element:		Tricuspid Valve Regurgitation
		c c c c c c c c c c c c c c c c c c c	Operator:	-	
			value:	Trace/Triv	/iai





Element: 13692	4D Computed Tomography Performed	Technical Specification
		Code: 241547009
Coding Instruction:	Indicate if a 4D CT was performed.	Code System Name: SNOMED CT
Target Value:	The value on Follow-up	
		Short Name: F_4DCT Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMVR, T
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type
		Operator: Equal Value: TAVR
		Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type
		Operator: Equal
		Value: TMVR Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type
		Operator: Equal
		Operator: Equal Value: Tricuspid Valve Procedure
Element: 13693	4D Computed Tomography Date	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification
	4D Computed Tomography Date Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009
Coding Instruction:		Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: SNOMED CT Short Name: F_4DCTdate
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: Short Name: F_4DCTdate Missing Data: Report
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: SNOMED CT Short Name: F_4DCTdate
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: SNOMED CT Short Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT Is Identifier: No Is Base Element: No
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code: 241547009 SNOMED CT Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Followup Yes
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System SNOMED CT Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Base Element: No Is Followup Yes
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code: 241547009 Code: SNOMED CT Name: SNOMED CT Short Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Followup Yes Data Type: DT
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System SNOMED CT Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Base Element: No Is Followup Yes
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: SNOMED CT Short Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: DT Precision: Value:
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System SNOMED CT Name: SNOMED CT Short Name: F-4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Base Element: No Is Followup Yes Data Type: DT Precision: Single Unit of Measure: Default Value: Default Value: Null
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: Short Name: Short Name: F-4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Base Element: Ves Data Type: Data Type: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: Short Name: Short Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Base Element: Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range:
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: Short Name: F_4DCTdate Short Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System SNOMED CT Name: Short Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Parent/Child Validation
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code System Name: Short Name: F_4DCTdate Short Name: F_4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User
Coding Instruction:	Indicate the date the 4D CT was performed.	Operator: Equal Value: Tricuspid Valve Procedure Technical Specification Code: 241547009 Code: System Name: Short Name: Short Name: F-4DCTdate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TT) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13692





Section: Follow-Up 4DC	TA Parent: Follow Up	
Element: 13694	Valve Thrombosis	Technical Specification
Coding Instruction:	Indicate if there was findings of thrombus on the prosthetic valve.	Code: 112000001917 Code System ACC NCDR
Target Value:	The value on Follow-up	Name: ACC NODIC Short Name: F_VThromb Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TTV Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 13692 4D Computed Tomography Performed Operator: Equal Value: Yes
Element: 13695	Leaflet Dysfunction Noted	Technical Specification
Coding Instruction:	Indicate if leaflet dysfunction was noted. Leaflet dysfunction is evident when there is a finding of "stuck leaflets" on the prosthetic valve.	Code: 112000001409 Code System Name: ACC NCDR
Target Value:	The value on Follow-up	Short Name: F_LeafDysFx Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TTV Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User





Element: 13789	Six Minute Walk Test	Technical Specific	ation
Coding Instruction:	Indicate whether a six minute walk test was performed.	Code: 252478000	
-		Code System Name: SNOMED CT	
Target value.	The value on Follow-up	Short Name: F_SixMinWal	kPerf
		Missing Data: Report	
		Harvested: Yes (TMVR,	TMVrpr, TTVP
		Is Identifier: No	
		Is Base Element: No	
		Is Followup Element: Yes	
		Data Type: BL	
		Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range: Data Source: User	
		Parent/Child Valid Element: 13705 Transcatheter	
		Reference Procedure Ty	
		Operator: Equal	
		Value: TMVR	
		Element: 13705 Transcatheter	
		Reference Procedure Ty	/pe
		Operator: Equal Value: Tricuspid Valve Procedu	Iro
		Element: 13705 Transcatheter	
		Reference Procedure Ty	
		Operator: Equal	
		Value: TMVr	
Element: 14263	Six Minute Walk Test Reason Not Performed	Technical Specific	ation
Coding Instruction.	Indicate the reason the six minute wells test was not perfe	Code: 252478000	
-	Indicate the reason the six minute walk test was not perform	Med. Code System SNOMED CT	
Target Value:	The value on Follow-up	Short Name: F_SixMinWal	kPerfReason
		Missing Data: Report	Ki chitteason
		Harvested: Yes (TMVR,	TMVrpr, TTVP
		Is Identifier: No	
		Is Base Element: No	
		Is Followup Flomonti	
		Element: ¹⁰³ Data Type: CD	
		Precision:	
		Selection Type: Single	
		Unit of Measure:	
		Default Value: Null	
		Usual Range:	
		Valid Range:	
		Data Source: User	
		Parent/Child Valid	ation
		Element: 13789 Six Minute Wal Operator: Equal	k Test

Selection	Definition	Source	Code	Code System Name
Non-Cardiac Reason			112000001418	ACC NCDR
Cardiac Reason			112000001419	ACC NCDR
Patient Not Willing to Walk			112000001420	ACC NCDR
Not Performed by Site			112000001421	ACC NCDR





Element: 13790	Six Minute Walk Test Date	Technical Specification
		Code: 252478000
_	Indicate the date the six minute walk test was performed. The value on Follow-up	Code System Name: SNOMED CT
. a. got i a. a.		Short Name: F_SixMinWalkDate
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr, TTVP
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: DT
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 13789 Six Minute Walk Test
		Operator: Equal Value: Yes
ilement: 14325	Six Minute Walk Test Total Distance	Operator: Equal Value: Yes Technical Specification
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422
Coding Instruction:		Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: Short Name: F_SixMinWalkDist
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: Short Name: F_SixMinWalkDist Missing Data: Report
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: Short Name: F_SixMinWalkDist
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 11200001422 Code System Name: Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 11200001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Yes
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Element: Yes
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: PQ
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: PQ Precision: 4,0 Selection Type: Single Unit of Measure: ft
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: PQ Precision: 4,0 Selection Type: Single Unit of Measure: ft Default Value: Null
-	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: PQ Precision: 4,0 Selection Type: Single Unit of Measure: ft Default Value: Null Usual Range: 1 - 3,000 ft
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP) Is Identifier: No Is Followup Element: Yes Data Type: PQ Precision: 4,0 Selection Type: Single Unit of Measure: ft Default Value: Null Usual Range: 1 - 3,000 ft Valid Range: 1 - 3,000 ft
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: PQ Precision: 4,0 Selection Type: Single Unit of Measure: ft Default Value: Null Usual Range: 1 - 3,000 ft Valid Range: 1 - 3,000 ft Data Source: User
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: PQ Precision: 4,0 Selection Type: Single Unit of Measure: ft Default Value: Null Usual Range: 1 - 3,000 ft Valid Range: 1 - 3,000 ft Data Source: User Parent/Child Validation
Coding Instruction:	Indicate the total distance, in feet, the patient walked.	Operator: Equal Value: Yes Technical Specification Code: 112000001422 Code System Name: ACC NCDR Short Name: F_SixMinWalkDist Missing Data: Report Harvested: Yes (TMVR, TMVrpr, TTVP Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: PQ Precision: 4,0 Selection Type: Single Unit of Measure: ft Default Value: Null Usual Range: 1 - 3,000 ft Valid Range: 1 - 3,000 ft Data Source: User





Section: Follow-Up KCC	Q Parent: Follow Up		
ement: 13845	Kansas City Cardiomyopathy Questionnaire 12 Performed	Technic	al Specification
Coding Instruction:	Indicate if the Kansas City Cardiomyopathy Questionnaire (KCCQ-12) was performed.	Code:	112000001540
-		Code System Name:	ACC NCDR
l'arget value:	The value on Follow-up		F_KCCQ12_Performed
		Missing Data:	
		Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Element:	163
		Data Type:	BL
		Precision: Selection Type:	Single
		Unit of Measure:	Sirigie
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
ement: 13844	Kansas City Cardiomyopathy Questionnaire 12 Date	Technic	al Specification
		Code:	112000001540
-	Indicate the date the Kansas City Cardiomyopathy Questionnaire (KCCQ-12) was performed. The value on Follow-up	Code System Name:	ACC NCDR
ranget value.		Short Name:	F_KCCQ12_Date
		Missing Data:	Report
		•	
		-	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Harvested: Is Identifier:	TMVrpr, TTVP) No
		Harvested: Is Identifier: Is Base Element:	TMVrpr, TTVP) No No
		Harvested: Is Identifier: Is Base Element: Is Followup	TMVrpr, TTVP) No No
		Harvested: Is Identifier: Is Base Element: Is Followup Element:	TMVrpr, TTVP) No No Yes
		Harvested: Is Identifier: Is Base Element: Is Followup	TMVrpr, TTVP) No No Yes
		Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	TMVrpr, TTVP) No No Yes DT
		Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	TMVrpr, TTVP) No No Yes DT Single
		Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	TMVrpr, TTVP) No No Yes DT Single
		Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range:	TMVrpr, TTVP) No No Yes DT Single
		Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range:	TMVrpr, TTVP) No No Yes DT Single Null
		Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source:	TMVrpr, TTVP) No No Yes DT Single Null User
		Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source: Parent/ Element: 13845	TMVrpr, TTVP) No No Yes DT Single Null





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ACC NCDR

ACC NCDR

ACC NCDR

Section: Follow-Up KCC	Q	Parent: Follow Up		
Element: 13847	Kansas City Cardiomyopathy Questionnaire	12 Question 1a	Technical	Specification
Coding Instruction:	Indicate the patient's response to the Kansas City Ca Question 1a.		Code: 112 Code System Name:	2000001541 C NCDR
	Heart Failure Limitation - Showering/bathing		Short Name: F_ Missing Data: Re	<ccq12_1a port</ccq12_1a
Target Value:	The value on Follow-up			s (BDS, TAVR, TMVR, IVrpr, TTVP)
			Is Base Element: No	
			Is Followup Element:	
			Data Type: CD Precision: Selection Type: Sir	
			Unit of Measure:	•
			Default Value: Nu Usual Range:	I
			Valid Range: Data Source: Us	er
			Parent/Chi	Id Validation
			Questionnaire	sas City Cardiomyopathy 12 Performed
			Operator: Equal Value: Yes	
	Questionnaire 1a thru 1c - 1.3.6.1.4.1.19376.1.4.1			a Cada Sustan Na
- Extremely Limited	Definition	Source	Cod 10000117	· · · · · · · · · ·
- Extremely Limited			10000117	
- Moderately Limited			10000117	
			10000117	

5 - Not at All Limited 6 - Limited for Other Reasons

or Did Not Do These Activities

4 - Slightly Limited





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ACC NCDR

ACC NCDR

ACC NCDR

Section: Follow-Up KCC	Q	Parent: Follow Up		
Element: 13869	Kansas City Cardiomyopathy Questionna	aire 12 Question 1b	Technical	Specification
Coding Instruction:	Indicate the patient's response to the Kansas City Question 1b.	Cardiomyopathy Questionnaire (KCCQ-12)	Code: 11 Code System Name:	12000001542 CC NCDR
	Heart Failure Limitation - Walking 1 block on level	ground	Short Name: F_ Missing Data: R	_KCCQ12_1b
Target Value:	The value on Follow-up			es (BDS, TAVR, TMVR, MVrpr, TTVP)
			Is Base Element: No	0
			Is Followup Element:	
			Data Type: Cl Precision:	
			Selection Type: Si Unit of Measure:	ngle
			Default Value: Nu Usual Range:	11
			Valid Range: Data Source: U	ser
				ild Validation
				nsas City Cardiomyopathy e 12 Performed
			Operator: Equal Value: Yes	
	Questionnaire 1a thru 1c - 1.3.6.1.4.1.19376.1. Definition	4.1.6.5.570 Source	Co	de Code System Nar
- Extremely Limited			1000011	
- Quite a Bit Limited			1000011	71 ACC NCE

5 - Not at All Limited 6 - Limited for Other Reasons

or Did Not Do These Activities

4 - Slightly Limited





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100014041

ACC NCDR

ACC NCDR

ACC NCDR

Section: Follow-Up KCC	Q	Parent: Follow Up		
Element: 13850	Kansas City Cardiomyopathy Questionnai	re 12 Question 1c	Technic	al Specification
Coding Instruction:	Indicate the patient's response to the Kansas City C Question 1c.	Cardiomyopathy Questionnaire (KCCQ-12)	Code: Code System Name:	112000001543 ACC NCDR
	Heart Failure Limitation - Hurrying or jogging		Short Name: Missing Data:	F_KCCQ12_1c Report
Target Value:	The value on Follow-up		Harvested:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
			Is Base Element:	No
			Is Followup Element: Data Type:	
			Precision: Selection Type:	
			Unit of Measure: Default Value:	•
			Usual Range: Valid Range:	i vui
			Data Source:	
			Element: 13845 Questionn	Child Validation Kansas City Cardiomyopathy aire 12 Performed
			Operator: Equal Value: Yes	
	Questionnaire 1a thru 1c - 1.3.6.1.4.1.19376.1.4. Definition	1.6.5.570 Source	(Code Code System Na
I - Extremely Limited			10000	01173 ACC NC
2 - Quite a Bit Limited			10000	01171 ACC NC
3 - Moderately Limited			10000	01170 ACC NC

5 - Not at All Limited 6 - Limited for Other Reasons

or Did Not Do These Activities

4 - Slightly Limited





Section: Follow-Up KCC	Q	Parent: Follow Up			
Element: 13852	Kansas City Cardiomyopathy Questionnaire 12	Question 2	Technic	al Spec	cification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardio Question 2.	myopathy Questionnaire (KCCQ-12)	Code: Code System Name:	1120000 ACC NCI	01544 DR
	Symptom Frequency - swelling in legs		Short Name: Missing Data:	F_KCCQ	
Target Value:	The value on Follow-up			TMVrpr,	S, TAVR, TMVR, TTVP)
			Is Identifier: Is Base Element:		
			Is Followup Element:	Yes	
			Data Type: Precision:	CD	
			Selection Type:	Single	
			Unit of Measure: Default Value:	Null	
			Usual Range: Valid Range:		
			Data Source:	User	
			Parent/0	Child V	alidation
			Element: 13845 k Questionna		ity Cardiomyopathy erformed
			Operator: Equal Value: Yes		
	Questionnaire 12 Answer to Question 2 - 1.3.6.1.4.1 Definition So	19376.1.4.1.6.5.571 burce		Code	Code System Na
- Every Morning			11200000		ACC NC
2 - Three or More Times Per Veek But Not Everyday			11200000	1554	ACC NCI

week But Not Everyday		
3 - One to Two Times Per	112000001555	ACC NCDR
Week		
4 - Less Than Once a Week	112000001556	ACC NCDR
5 - Never Over the Past Two Weeks	112000001557	ACC NCDR



Week But Not Everyday

Week

Weeks

5 - One to Two Times Per

6 - Less Than Once a Week

7 - Never Over the Past Two

Full Specifications Data Dictionary v3.0



112000001555

112000001556

112000001557

ACC NCDR

ACC NCDR

ACC NCDR

Section: Follow-Up KCC	Q	Parent: Follow Up		
Element: 13854	Kansas City Cardiomyopathy Questionnaire 12 Que	estion 3	Technic	al Specification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyop Question 3.	pathy Questionnaire (KCCQ-12)	Code: Code System Name:	112000001545 ACC NCDR
	Symptom Frequency - fatigue		Short Name: Missing Data:	F_KCCQ12_3 Report
Target Value:	The value on Follow-up		Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	No Yes CD
			Selection Type: Unit of Measure: Default Value: Usual Range: Valid Range: Data Source:	Null
			Element: 13845 K	Child Validation Cansas City Cardiomyopathy Aire 12 Performed
, , , ,	Questionnaire 12 Answer to Question 3 and 4 - 1.3.6.1.4. efinition Source		C	code Code System Na
- All the Time	000100		11200000	· · · · · · · · · · · · · · · · · · ·
- Several Times Per Day			11200000	
- At Least Once Per Day			11200000	
- Three or More Times Per			11200000	



Week But Not Everyday

5 - One to Two Times Per

Full Specifications Data Dictionary v3.0



112000001555

ACC NCDR

ACC NCDR

ACC NCDR

Section: Follow-Up KCC		Parent: Follow Up			
Element: 13856	Kansas City Cardiomyopathy Questionnair	e 12 Question 4	Techni	cal Spe	cification
Coding Instruction:	Indicate the patient's response to the Kansas City C Question 4.	ardiomyopathy Questionnaire (KCCQ-12)	Code: Code System Name:	1120000 ACC NCI	001546 DR
	Symptom Frequency - shortness of breath		Short Name: Missing Data:	Report	-
Target Value:	The value on Follow-up		Is Identifier:	TMVrpr,	S, TAVR, TMVR, TTVP)
			Is Base Element:	No	
			Is Followup Element:		
			Data Type: Precision:		
			Selection Type: Unit of Measure:		
			Default Value: Usual Range:		
			Valid Range: Data Source:		
			Parent/	Child V	alidation
			Questionr		ity Cardiomyopathy erformed
			Operator: Equal Value: Yes		
	Questionnaire 12 Answer to Question 3 and 4 -				
	Definition	Source		Code	Code System Na
- All the Time			1120000		ACC NC
- Several Times Per Day			1120000		ACC NC
- At Least Once Per Day - Three or More Times Per			1120000 1120000		ACC NC ACC NC

Week	
6 - Less Than Once a Week	112000001556
7 - Never Over the Past Two	11200001557
Weeks	



Week

Weeks

4 - Less Than Once a Week

5 - Never Over the Past Two

Full Specifications Data Dictionary v3.0



112000001556

112000001557

ACC NCDR

ACC NCDR

Section: Follow-Up KC	Q	Parent: Follow Up		
Element: 13858	Kansas City Cardiomyopa	thy Questionnaire 12 Question 5	Technical Sp	ecification
Coding Instruction		to the Kansas City Cardiomyopathy Questionnaire (KCCQ-1:	2) Code: 11200 Code System Name: ACC N	0001547 CDR
	Symptom Frequency - sleep sit	ting up due to shortness of breath	Short Name: F_KC0 Missing Data: Report	CQ12_5
Target Value	The value on Follow-up			DS, TAVR, TMVR, r, TTVP)
			Is Identifier: No Is Base Element: No	
			ls Followup Element:	
			Data Type: CD Precision:	
			Selection Type: Single Unit of Measure:	
			Default Value: Null Usual Range:	
			Valid Range: Data Source: User	
			Parent/Child Element: 13845 Kansas Questionnaire 12 Operator: Equal Value: Yes	City Cardiomyopathy
ansas City Cardiomyopathy	Questionnaire 12 Answer to 0	Question 5 - 1.3.6.1.4.1.19376.1.4.1.6.5.704	•	
Selection	Definition	Source	Code	Code System Nam
- Every Night			112000001819	ACC NCE
- Three or More Times Per Veek But Not Everyday			112000001554	ACC NCE
3 - One to Two Times Per			112000001555	ACC NCE

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100014052

100014053

ACC NCDR

ACC NCDR

Section: Follow-Up KCC	Q Parent: Follow Up	
Element: 13860	Kansas City Cardiomyopathy Questionnaire 12 Question 6	Technical Specification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyopathy Questionnaire (KCCC Question 6.	Q-12) Code: 112000001548 Code System Name: ACC NCDR
	Quality of Life - effect on enjoyment of life due to heart failure	Short Name: F_KCCQ12_6 Missing Data: Report
Target Value:	The value on Follow-up	Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No
		Is Base Element: No Is Followup Element: Yes
		Element: Data Type: CD
		Precision: Selection Type: Single
		Unit of Measure: Default Value: Null
		Usual Range: Valid Range:
		Data Source: User Parent/Child Validation
		Element: 13845 Kansas City Cardiomyopathy Questionnaire 12 Performed
		Operator: Equal Value: Yes
	Questionnaire 12 Answer to Question 6 - 1.3.6.1.4.1.19376.1.4.1.6.5.573	
lection C It Has Extremely Limited My joyment of Life	efinition Source	Code Code System N 100014049 ACC N
It Has Limited My Enjoyment Life Quite a Bit		100014050 ACC N
It Has Moderately Limited		100014051 ACC N

4 - It Has Slightly Limited My
Enjoyment of Life
5 - It Has Not Limited My
Enjoyment of Life at All

My Enjoyment of Life





Section: Follow-Up KCC	Q Paren	t: Follow Up	
Element: 13862	Kansas City Cardiomyopathy Questionnaire 12 Question	-	al Specification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardiomyopathy C Question 7.		112000001549 ACC NCDR
	Quality of life - remaining life with heart failure	Short Name: Missing Data:	
Target Value:	The value on Follow-up		Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element: Is Followup	No Yes
		Element:	
		Data Type:	CD
		Precision: Selection Type:	Single
		Unit of Measure:	Single
		Default Value:	Null
		Usual Range:	
		Valid Range:	
		Data Source:	User
		Parent/C	Child Validation
			ansas City Cardiomyopathy ire 12 Performed
		Operator: Equal	
		Value: Yes	
ansas City Cardiomyopathy	Questionnaire 12 Answer to Question 7 - 1.3.6.1.4.1.19376.1.4.	.6.5.574	
election [Pefinition Source	C	ode Code System Nan
- Not At All Satisfied		11200000	1561 ACC NCE
2 - Mostly Dissatisfied		11200000	1562 ACC NCE

1 - Not At All Satislied	11200001301	ACC NODI
2 - Mostly Dissatisfied	112000001562	ACC NCDR
3 - Somewhat Satisfied	112000001563	ACC NCDR
4 - Mostly Satisfied	112000001564	ACC NCDR
5 - Completely Satisfied	112000001565	ACC NCDR



4 - Slightly Limited

5 - Did Not Limit at All

Do for Other Reasons

6 - Does Not Apply or Did Not

Full Specifications Data Dictionary v3.0



100014042

112000001569

112000001570

ACC NCDR

ACC NCDR

ACC NCDR

Section: Follow-Up KCC	Q	Parent: Follow Up			
Element: 13864	Kansas City Cardiomyopathy Questionr	aire 12 Question 8a	Technic	al Spe	cification
Coding Instruction:	Indicate the patient's response to the Kansas Ci Question 8a.	ty Cardiomyopathy Questionnaire (KCCQ-12)	Code: Code System Name:	112000 ACC NC	001550 :DR
	Social limitation - hobbies, recreational activities		Short Name: Missing Data:	F_KCCC	
Target Value:	The value on Follow-up			TMVrpr,	DS, TAVR, TMVR, TTVP)
			Is Identifier:		
			Is Base Element:		
			ls Followup Element:	Yes	
			Data Type:	CD	
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
			Parent/	Child V	alidation
			Element: 13845 Questionn		City Cardiomyopathy erformed
			Operator: Equal		
			Value: Yes		
ansas City Cardiomyopathy	Questionnaire 12 Answer to Question 8 - 1.3	.6.1.4.1.19376.1.4.1.6.5.575			
election	Definition	Source	(Code	Code System Na
- Severely Limited			11200000	1566	ACC NC
Limited Quite a Bit			11200000	01567	ACC NC
Moderately Limited			10000	01170	ACC NO



4 - Slightly Limited

5 - Did Not Limit at All

Do for Other Reasons

6 - Does Not Apply or Did Not

Full Specifications Data Dictionary v3.0



100014042

112000001569

112000001570

ACC NCDR

ACC NCDR

ACC NCDR

Section: Follow-Up KCC	CQ	Parent: Follow Up		
Element: 13866	Kansas City Cardiomyopathy Questionnaire 12	2 Question 8b	Technical Sp	ecification
Coding Instruction:	Indicate the patient's response to the Kansas City Cardi Question 8b.	omyopathy Questionnaire (KCCQ-12)	Code: 11200 Code System Name: ACC N	
	Social limitation - working or doing household chores		Short Name: F_KCC Missing Data: Report	-
Target Value:	The value on Follow-up		· ·	DS, TAVR, TMVR, r, TTVP)
			Is Identifier: No Is Base Element: No	
			Is Followup Element: Yes	
			Data Type: CD Precision:	
			Selection Type: Single Unit of Measure:	
			Default Value: Null Usual Range:	
			Valid Range: Data Source: User	
			Parent/Child	Validation
			Questionnaire 12	City Cardiomyopathy Performed
			Operator: Equal Value: Yes	
	Questionnaire 12 Answer to Question 8 - 1.3.6.1.4.1			
	Definition S	ource	Code	Code System Nan
- Severely Limited			112000001566	ACC NCE
- Limited Quite a Bit			112000001567	ACC NCD
- Moderately Limited			100001170	ACC NCE





Section: Follow-Up KCC	Q	Parent: Follow Up			
Element: 13868	Kansas City Cardiomyopathy Questionna	re 12 Question 8c	Technica	al Specific	ation
Coding Instruction:	Indicate the patient's response to the Kansas City Question 8c.	Cardiomyopathy Questionnaire (KCCQ-12)	Code: Code System Name:	11200000155 ACC NCDR	2
	Social limitation - visiting family or friends		Short Name: Missing Data:	F_KCCQ12_8 Report	
Target Value:	The value on Follow-up			TMVrpr, TTVF	
			Is Identifier:		
			Is Base Element: Is Followup		
			Element:		
			Data Type:	CD	
			Precision:	Cinala	
			Selection Type: Unit of Measure:	Single	
			Default Value:	Null	
			Usual Range:	INUII	
			Valid Range:		
			Data Source:	User	
			Parent/C	hild Valid	ation
			Element: 13845 K	ansas City Ca	ardiomyopathy
				ire 12 Perforn	ned
			Operator: Equal		
			Value: Yes		
	Questionnaire 12 Answer to Question 8 - 1.3.6				
	Definition	Source			de System Nar
- Severely Limited			112000001		ACC NC
- Limited Quite a Bit			112000001		ACC NC
- Moderately Limited			100001		ACC NC
- Slightly Limited			100014		ACC NC
- Did Not Limit at All			112000001		ACC NC
- Does Not Apply or Did Not to for Other Reasons			112000001	1570	ACC NC

ement: 14535	Follow-Up KCCQ Overall Summary Score	Technical Specification		
		Code: 112000001540		
Coding Instruction:	(Auto Calculated) This field is auto-populated by your application. Kansas City Cardiomyopathy Questionnaire (KCCQ-12) Overall Summary Score.	Code System Name: ACC NCDR		
	Note(s): The 12 patient responses are reduced into four summary scores (Physical Limitation Score, Symptom Frequency Score, Quality of Life Score, Social Limitation Score). The four summary scores are used to calculate the Overall Summary Score. For more information, please refer to the KCCQ-12 Scoring Instructions document provided by the STS/ACC TVT Registry.	Short Name: F_KCCQ12_Overall Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No		
Target Value:	The value on Follow-up	Is Base Element: No Is Followup Element:		
		Data Type: NUM Precision: 5,2		
		Selection Type: Single Unit of Measure:		
		Default Value: Null Usual Range: Valid Range: Data Source: Computed		
		Parent/Child Validation		
		Element: 13845 Kansas City Cardiomyopat Questionnaire 12 Performed		
		Operator: Equal Value: Yes		





ASD Detect Closure due to A procedure was required to close an artial-septal Transseptal Catheterization procedure. 112000001885 ACC N Atrial Fibrillation Anticite Transseptal Catheterization procedure. 49438004 SNOMEI Atrial Fibrillation Anticite Transseptal Catheterization procedure. 49438004 SNOMEI Atrial Fibrillation Anticite Transseptal Catheterization procedure. 49438004 SNOMEI Biteding - Life Threatening Life threatening or disabiling bleeding is defined as: Intracoultar, or procedure intervention to address the arrhythmia (cardbowton, permanent pacemaker/defibrillator, ablation, etc.). ACC N Biteeding - Life Threatening Life threatening or disabiling bleeding is defined as: Intracoultar, or proceedure was precised on the stranscular with compartment syndrome QR Source: Standardized Endpoint Definitions for Transcular with compartment syndrome QR 112000000459 ACC N 3. Biseeding a cutical procentical sock or severe hypotension requiring vaspersessor or surgery OR Updated Standardized Endpoint Definitions for Transcular with a dop in the Bleeding with forp in hemoglobin of the state as a detend as a dister or available to address a compare is defined as: 1.000001889 ACC N Biteeding - Major A map bleeding with orgon in the Bleeding NML forp in hemoglobin of the state as a state as a dot or the Bleeding NML forp in hemoglobin of the state as a dot or requiring transcular with a dop in the Bleeding that is differ associated with a dop in the menglobin	Coding Instruction: Solect from the ist all of the clinical conditions, procedures, or re-admissions that occurred in the follow-up period Code: 1120000 Target Value: NA A Follow-up - combination Name (12933), Occurred (14276) and Date (14277) - may only be entered/selected once Short Name: F. Condit Missing Data: Report Harvestee: Ves (Bost Name: F. Condit Missing Data: Report Harvestee: Ves (Bost Name: F. Condit Missing Data: Report Harvestee: Ves (Bost Name: F. Condit Missing Data: Report Harvestee: Ves (Bost Name: F. Condit Missing Data: Report Harvestee: Ves (Bost Name: F. Condit Missing Data: Report Harvestee: Ves (Bost Name: F. Condit Missing Data: Report Harvestee: Ves (Bost Name: F. Condit Missing Data: Report Harvestee: Ves (Bost Name: F. Condit Missing Data: Name: F. Condit			
Coding Instruction: Better from the field at the divide conditions, procedures, or re-admissions that occurred in Mome: Codie System Ministry Bass: Fieldow Up Conductions Fieldow Biology Ministry	Coding Instruction: Select from the list all of the clinical conditions, procedures, or re-admissions that occurred in the tollow-up period Code System ACC NCD Name: F_Condu Missing Data: Report Harvestel Target Value: NA Vendor Instruction: A Follow-up - combination Name (12933), Occurred (14276) and Date (14277) - may only be entered/selected once Short Name: F_Condu Missing Data: Report Harvestel: Yes (BDS TM/Yep.) is Identifier: No Is Gelower Bestering Selection Source Follow Up Events - 1.3.6.1.4.1.19376.1.4.1.6.5.356 Source Code Selection Default Yalue: Null Usual Range: Valid Range: Data Type: OD Procedure was required to close an atrial-septal defect as a result of the transseptal catheterization procedure. 112000001885 Bleeding - Life Threatening Life threatening or disabing bleeding is defined as: 1. Falal bleeding OR 2. Bleeding in a critical are or organ, such as intracranal, intracoular, or encoursel with work interacy to address the arrhythmic (argonycolennes), or intranscular with compartment syndrome OR 3. Bleeding cause in type volume is the menglobin or sig (or whole blood or packed red blood celis (BECS) transfusion - U. Updated Standardized Endpoint Definitions for Transcatheter Ac	000795		
Target Value: NA Wendor instruction: A Problem, - combination Name (1233), Occurred (14276) and Date (14277) - may only be determined values of the set of the	Target Value: N/A Short Name: F. Conditi Vendor Instruction: A Follow-up - combination Name (12933), Occurred (14276) and Date (14277) - may only be entered/selected once Short Name: F. Conditi Missing Data: Report Yes (BDS Thirther) Instruction: Submit Name (12933), Occurred (14276) and Date (14277) - may only be entered/selected once Yes (BDS Thirther) Is Identifier: No Is Electifier: No Is Electifier: No Is Electifier: No Is Electifier: No Is Electifier: No Selection Definition Source: Source: Using Data Source: Follow Up Events - 1.3.6.1.4.1.19376.1.4.1.6.5.356 Source: Source: Code Source: Definition of nutrer requiring treatment or procedure. Source: Source: Source: Follow Up Events - 1.3.6.1.4.1.19376.1.4.1.6.5.356 Source: Sou	Code System		
Version in structures: An alter-laboration funding (12436), Documes (14276) and Using (14277) - may only only only only only only only onl	Vendor instruction: A Pollox-Up - combination Name (12933), Occurred (1427b) and Date (1427f) - may only de entered/selected once Harvested: vse (BDC TM/Vpc, 1 is Identifier: No. Is Base Element: No. Is Base Element: No. Is Base Element: No. Is Base Element: No. Is Selection: Selection: Type: Single (D Unit of Measure: Default Value: Kull Usual Range: Valid Range: Data Source: User Follow Up Events - 1.3.6.1.4.1.19376.1.4.1.6.5.356 Source Code Selection Definition of Inter requiring treatment or procedure was required to close an atrial-septal defect as a result of the transceptal catheterization procedure. 112000001885 Atrial Fibriliation Ariooneghalization. Treatment includes initiation of a NEWDIFFERENT mediciant hereapt to address the arrhythmia, or a procedur/intervention to address the arrhythmia, or a procedur/intervention to address the arrhythmia, intracouter or organs, such as intracenals, intragonal, intracouter, or organs, such as intracenals, intragonal, intr	tion_Event		
Biseding - Life Treatment A metabolity of selecting basings of selecting with the periodic selection of the temperature selection of the temeter	Follow Up Events - 1.3.6.1 × 1.19376.1.4.1.6.5.356 Follow Up Events - 1.3.6.1 × 1.19376.1.4.1.6.5.356 Selection Definition Selection Xpre: Single (D) Unit of Measure: User Definition Arran (biological catheterization procedure) Atrial Fibrillation Arran (biological catheterization procedure) Atrial Fibrillation Arran (biological catheterization procedure) Atrial Fibrillation Life Intreatmenting or disabiling bleeding is defined as: the arrhythmia; cara procedure/intervention to address the arrhythmia; caranali, intraocoule; opericardial necessiting pericardiocentess, or intramuscular with compartment syndrome OR Source: Standardized Endpoint Definitions for Transcatheter Actic Valve Implantation Clinical Trials (LiCC, 2011, vol 57, No 3) 11200000459 Bleeding - Major Amair bibeeding with drop in hemoglobin of actic areas or surgery OR A. Overt source of bibeeding with drop in hemoglobin or >= 6 gif or whole blood or			
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Academic Research Consortium' or BARC type 3a criteria is defined as : 1. Overt bleeding that is either associated with a drop in the hemoglobin level of at least 3.0 g/dL or requiring transfusion of 2 or 3 units of whole blood/RBC, or causing hospitalization or permanent injury, or requiring surgery AND 2. Does not meet VARC criteria of life-threatening or disabling bleeding.Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)Surgery surgery vol 60, No 15)Cardiac Surgery or Intervention - Other Unplannet does not include an intervention or procedure already identified as an adverse event in the TVT Registry (e.g. AV reintervention, pacemaker or ICD implant).112000001892ACC No construction and the transmut of the ruscular surgery or intervention, pacemaker or ICD implant).112000001892ACC No construction and the transmut of the ruscular surgery or intervention, pacemaker or ICD implant).COVID-19 PositiveThe patient had a diagnosis of COVID-19, confirmed with a laboratory performed polymerase chain reaction (PCR) test.112000001982ACC No the medical record by the provider.	Academic Research Consortium' or BARC type 3a criteria is defined as : 1. Overt bleeding that is either associated with a drop in the hemoglobin level of at least 3.0 g/dL or requiring transfusion of 2 or 3 units of whole blood/RBC, or	ACC NCD		
Cardiac Surgery or Intervention - Other UnplannedThe patient subsequently underwent cardiac surgery or a cath lab intervention that was unplanned. This does not include an intervention or procedure already identified as an adverse event in the TVT Registry (e.g. AV reintervention, other vascular surgery or intervention, pacemaker or ICD implant).112000001892ACC No COVID-19 PositiveCOVID-19 PositiveThe patient had a diagnosis of COVID-19, confirmed with a laboratory performed polymerase chain reaction (PCR) test.112000001982ACC No COVID-19 positiveNotes: It is acceptable to code the diagnosis of COVID- 19 based on testing that was NOT performed at your facility if it is accompanied by appropriate documentation in the medical record by the provider.VIII COVID- 19 the provider.	surgery AND 2. Does not meet VARC criteria of life-threatening or	ACC NCD		
with a laboratory performed polymerase chain reaction (PCR) test. Notes: It is acceptable to code the diagnosis of COVID- 19 based on testing that was NOT performed at your facility if it is accompanied by appropriate documentation in the medical record by the provider.	Cardiac Surgery or The patient subsequently underwent cardiac surgery 11200001892 Intervention - Other Unplanned or a cath lab intervention that was unplanned. This does not include an intervention or procedure already identified as an adverse event in the TVT Registry (e.g. AV reintervention, other vascular surgery or 11200001892	ACC NCD		
documentation in the medical record by the provider.	with a laboratory performed polymerase chain reaction (PCR) test. Notes: It is acceptable to code the diagnosis of COVID- 19 based on testing that was NOT performed at your	ACC NCD		
testing (IgG).	documentation in the medical record by the provider. Code no if documentation ONLY included antibody			





Section: Follow-Up Ev	ents	Parent: Follow Up		
Deep Vein Thrombosis	Deep vein thrombosis (DVT) refers to the formation of one or more blood clots (a blood clot is also known as a 'thrombus,' while multiple clots are called 'thrombi') in one of the body's large veins, most commonly in the lower limbs (e.g., lower leg or calf)	general's call to action to prevent deep vein thrombosis	128053003	SNOMED CT
Device Embolization	The device became displaced from its initial implantation site so that it is no longer in its original position.	1	112000001324	ACC NCDR
Device Fracture	Partial or complete separation of any portion of the valve frame fractured into two or more parts. Do not code this event when there was a planned		112000001891	ACC NCDR
	bioprosthetic valve fracture (BVF) on a previously implanted bioprosthetic valve during the lab visit.			
Device Migration	Device migration of the prosthetic valve is x-ray confirmed movement of the valve from its initial implantation site such that there is a change in valve orientation within the aortic outflow track resulting in a new echocardiographic confirmed flow disturbance (pre- and post- filmed documentation). Note: Code device embolization if the device is outside of the outflow tract.		370512004	SNOMED CT
Device Thrombosis	Any thrombus attached to or near the valve that was implanted during the procedure that occludes part of the blood flow path, interferes with valve function, or is sufficiently large to warrant treatment.	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	112000001839	ACC NCDR
Device Related Event - Other	Indicate if an otherwise unspecified device-related event requiring unanticipated treatment occurred. This includes any delivery system related event.		112000001828	ACC NCDR
Dialysis (New Requirement)	Acute or worsening renal failure necessitating a new requirement for renal dialysis (renal dialysis includes hemodialysis and peritoneal dialysis). If a patient is on receiving continuous veno-venous hemofiltration (CVVH) as a result of renal failure (and not as treatment to remove fluid for heart failure), code yes.		100014076	ACC NCDR
Endocarditis	Confirmed diagnosis of endocarditis by blood culture and/or vegetation on or around a heart valve. This may include native tissue, ring or prosthetic valve involvement.	Society of Thoracic Surgeons (STS)	56819008	SNOMED CT
ICD	The patient developed a new dysrhythmia requiring insertion of an implantable cardioverter/defibrillator.		ACC-NCDR- ICD	ACC NCDR
Myocardial Infarction	A myocardial infarction (MI) is defined as an acute ischemic event that is associated with documented and clinically significant myocardial necrosis. The MI can be periprocedural (<72 hours after the procedure) or spontaneous (>72 hours after the index procedure). 1. Peri-procedural MI (<72 h after the index procedure) (a) New ischemic symptoms (e.g. chest pain or shortness of breath), or new ischemic signs (e.g. ventricular arrhythmias, new or worsening heart failure, new ST-segment changes, hemodynamic		22298006	SNOMED CT
	instability, new pathological Q waves in at least two contiguous leads, imaging evidence of new loss of viable myocardium or new wall motion abnormality) AND			
	(b) Elevated cardiac biomarkers (preferable CK-MB) within 72 h after the indexprocedure, consisting of at least one sample post-procedure with a peak value exceeding 15 x as the upper reference limit for troponin or 5 x forCK-MB.* If cardiac biomarkers are increased at baseline (>99th percentile), a further increase in at least 50% post-procedure is required AND the peak value must exceed the previously stated limit.			
	2. Spontaneous MI (_72 h after the index procedure) any one of the following criteria:			
	(a) Detection of rise and/or fall of cardiac biomarkers (preferably troponin) with at least one value above the 99th percentile URL, together with the evidence of myocardial ischemia with at least one of the following:			





ents	Parent: Follow Up		
-Symptoms of ischemia -ECG changes indicative of new ischemia [new ST-T changes or new left bundle branch block (LBBB)] -New pathological Q-waves in at least two contiguous leads -Imaging evidence of a new loss of viable myocardium or new wall motion abnormality			
(b) Sudden, unexpected cardiac death, involving cardiac arrest, often with symptoms suggestive of myocardial ischemia, and accompanied by presumably new ST elevation, or new LBBB, and/or evidence of fresh thrombus by coronary angiography and/or at autopsy, but death occurring before blood samples could be obtained, or at a time before the appearance of cardiac biomarkers in the blood.			
(c) Pathological findings of an acute myocardial infarction.			
A PCI is the placement of an angioplasty guide wire, balloon, or other device (e.g. stent, atherectomy,	National Cardiovascular Data Registry (NCDR)	415070008	SNOMED CT
The patient developed a new dysrhythmia requiring insertion of a permanent pacemaker.		449397007	SNOMED CT
pulmonary arterial circulation. A 'Proved Pulmonary Embolism' is proved by a positive pulmonary angiogram, an unequivocally positive helical CT scan, a high-	Banovac, F., et al. Reporting Standards for Endovascular Treatment of Pulmonary Embolism. Journal of Vascular Interventional Radiology 2010; 21:44–53	59282003	SNOMED CT
The patient has been readmitted to an acute care		112000001895	ACC NCDR
The patient has been readmitted to an acute care facility after discharge for a valve-related reason.		112000001894	ACC NCDR
The patient has been readmitted to an acute care facility after discharge with a cardiac diagnosis (where the primary diagnosis is NOT heart failure).		112000001897	ACC NCDR
The patient has been readmitted to an acute care facility after discharge for the procedure with a diagnosis of heart failure. The following criteria must be met for an event to be characterized as a heart failure readmission: 1. Hospitalization >=24 hours (including emergency room stay); 2. Clinical signs and/or symptoms of heart failure (including, but not limited to, new or worsening dyspnea, orthopnea, paroxysmal nocturnal dyspnea, increasing fatigue, worsening functional capacity or activity intolerance, or signs and/or symptoms of volume overload.); 3. Intravenous (e.g., diuretic or vasoactive therapy) or invasive (e.g., ultrafiltration, IABP, mechanical assistance) treatment for heart failure. The patient has been readmitted to an acute care		112000001896	ACC NCDR
facility after discharge for a non-cardiac related diagnosis or procedure.		11200001896	ACCINCDR
The patient returned to the operating room or cath lab for any aortic valve re-intervention. Note: Please complete adjudication worksheet for every documented aortic valve reintervention, regardless of type of reintervention.		112000001827	ACC NCDR
The patient returned to the operating room or cath lab for any mitral valve re-intervention. Note: Please complete adjudication worksheet for every documented mitral valve reintervention, regardless of type of reintervention.		112000001893	ACC NCDR
The patient returned to the operating room or cath lab for any tricuspid valve re-intervention.		112000001820	ACC NCDR
	 -ECG changes indicative of new ischemia [new ST-T changes or new left bundle branch block (LBBB)] -New pathological Q-waves in at least two contiguous leads -Imaging evidence of a new loss of viable myocardium or new wall motion abnormality (b) Sudden, unexpected cardiac death, involving cardiac arrest, often with symptoms suggestive of myocardial ischemia, and accompanied by presumably new ST elevation, or new LBBB, and/or evidence of fresh thrombus by coronary angiography and/or at autopsy, but death occurring before blood samples could be obtained, or at a time before the appearance of cardiac biomarkers in the blood. (c) Pathological findings of an acute myocardial infarction. A PCI is the placement of an angioplasty guide wire, balloon, or other device (e.g. stent, atherectomy, brachytherapy, or thrombectomy catheter) into a native coronary artery or coronary artery bypass graft for the purpose of mechanical coronary revascularization. The patient developed a new dysrhythmia requiring insertion of a permanent pacemaker. Intravascular migration of a venous thrombus to the pulmonary arterial circulation. A 'Proved Pulmonary angiogram, an unequivocally positive pulmonary angiogram. an unequivocally positive pulmonary angiogram. The patient has been readmitted to an acute care facility after discharge for a non-valve related reason. The patient has been readmitted to an acute care facility after discharge for a valve-related reason. The patient has been readmitted to an acute care facility after discharge for the procedure with a diagnosis (where the primary diagnosis is NOT heart failure). The patient has been readmitted to an acute care facility after discharge for the procedure with a diagnosis of heart failure. The following criteria must be met for an event to be characterized as a heart failure readmission: Hospitalization >=24 hours (including emergency room stay); Clinical sign	-ECC changes indicative of new ischemia [new ST-T changes or new loss of viable myocardium or new vall motion abnormality (b) Sudden, unexpected cardia cheah, involving cardiac arrest, often with symptoms suggestive of myocardial ischemia, and accomgande by presumably new ST elevation, or new LBBB, and/or evidence of fresh thrombus by coronary angiography and/or at autopsy, but death occurring before blood samples outdue bo thatend, or at a time before the appearance of cardiac biomarkers in the blood. (c) Pathological findings of an acute myocardial infraction. A PCL is the placement of an angioplasty guide wire, balcon, or other device (a. g. start. atherectorw, brachytherapy, or thrombectomy catheter) into a native coronary artery or ocronary artery bypass graft or the purpose of mechanical coronary revascularization. The patient device (a. g. start. atherectorw, brachytherapy, or thrombectomy catheter) into a native coronary artery or ocronary artery bypass graft or the purpose of mechanical coronary revascularization. The patient device (a. g. start, atherectorw, brachytherapy, or thrombectory catheter) into a native coronary artery of possible helical C scan, a high- probability ventilation-perfusion scan, or autops/. The patient backen readmitted to an acute care facility after discharge for a non-valve related reason. The patient has been readmitted to an acute care facility after discharge for the procedure with a dagnosis of heart failure. The patient has been readmitted to an acute care facility after discharge for the procedure with a dagnosis of heart failure. The patient has been readmitted to an acute care facility after discharge for the procedure with a dagnosis of heart failure. The patient has been readmitted to an acute care facility after discharge for the procedure with a dagnosis of heart failure. The patient has been readmitted to an acute care facility after discharge for the procedure with a dagnosis of heart failure. The patient has been readmitted to an acute care facility after disc	ECC danges in which bundle branch block (LBBB) -New pathological Q-waves in at least two contiguous leads (adages of new loss of viable myocardium or new valial motion subcombing widence of a new loss of viable myocardium or rece walls, and counting block bodd samples could be detained, or at a time before the appearance of cardius cares, for new loss, and inder evidence of treat htrombus by coronary angiography and/or at autopy, but data counting block bodd samples could be detained, or at at the before the appearance of cardius cares, for the bodd samples could be detained, or at at the before the appearance of cardius cardium cares in the block of the appearance of cardius cardium carbing in the block of the appearance of cardius cardium carbing in the block of the appearance of cardius cardium carbing in the block of the appearance of cardius cardium carbing in the block of the appearance of cardius cardium carbing in the block of the appearance of cardius cardium carbing in the block of the appearance of cardius cardium carbing in the block of the appearance of cardius cardium carbing in the block of the appearance of cardius cardium carbing in the particle cardium carbing in the carbing in the particle cardium carbing in the particle cardium carbing in the particle cardium carbing in the carbing in the particle cardium carbing in the carbing in





Section: Follow-Up Ev	ents	Parent: Follow Up		
Single Leaflet Device Attachment	Single leaflet device attachment was documented in the medical record.		112000001538	ACC NCDR
Stroke - Ischemic	An ischemic stroke is an acute episode of focal or global neurological dysfunction caused by brain, spinal cord, or retinal vascular injury as a result of infarction of central nervous system tissue.	-	422504002	SNOMED CT
Stroke - Hemorrhagic			230706003	SNOMED CT
Stroke - Undetermined	A stroke of undetermined origin is defined as an acute episode of focal or global neurological dysfunction caused by presumed brain, spinal cord, or retinal vascular injury as a result of hemorrhage or infarction but with insufficient information to allow categorization as ischemic or hemorrhagic.		230713003	SNOMED CT
Transient Ischemic Attack (TIA)	A transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.	Society for Thoracic Surgeons (STS)	266257000	SNOMED CT
Vascular Complication - Major	-	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	11200000460	ACC NCDR
Vascular Complication - Minor			112000001823	ACC NCDR
Vascular Surgery or Intervention - Unplanned	The patient required unplanned vascular surgery or intervention to correct a bleeding complication or vascular related complication. Note: If a balloon angioplasty of the access site or access related sites is performed as a routine procedure to ensure adequate hemostasis of the site, then this would not qualify as an Unplanned Vascular Surgery or Intervention. However, if a balloon		11200000467	ACC NCDR





1	angioplasty is performed in an attempt to treat a pleeding or vascular access complication (i.e. bleeding at access site, dissection, stenosis, narrowing of vessel, etc.), then Unplanned Vascular Surgery or ntervention should be captured.	
Element: 14276	Follow-Up Events Occurred	Technical Specification
Coding Instruction:	Indicate if the event occurred.	Code: 1000142378
-	Any occurrence on follow-up	Code System Name: ACC NCDR
		Short Name: FupEvOccurred Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
Element: 14277	Follow-Up Event Date	Value: Any Value Technical Specification
	Indicate the date the event occurred.	Code: 1000142379
-	Any occurrence on follow-up	Code System Name: ACC NCDR
		Short Name: FupEventDate Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: DT Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14276 Follow-Up Events Occurred Operator: Equal





Section: Follow-Up Eve	nt Information Parent: Follow I	Up
Element: 14385	Adjudication Event	Technical Specification
.		Code: 112000001816
Coding Instruction: Target Value:	Indicate the event being adjudicated.	Code System Name: ACC NCDR
-	An Adjudication - combination Event (14385) and Date (14386) - may only be entronce	Missing Data. Report
	The Adjudication Event Date (14386) / Adjudication Event Code (14385) must match with	tch with Harvested: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
	Follow-Up Event Date (14277) / Follow-Up Event Code (12933)	Is Identifier: No Is Base Element: No
		Is Followup Yes
		Element:
		Data Type: CD Precision:
		Selection Type: Single (Dynamic List)
		Unit of Measure:
		Default Value: Null Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 12933 Follow-up Event Name
		Operator: Equal Value: Readmission - Heart Failure
		Element: 12933 Follow-up Event Name
		Operator: Equal
		Value: Transient Ischemic Attack (TIA) Element: 12933 Follow-up Event Name
		Operator: Equal
		Value: Stroke - Ischemic
		Element: 12933 Follow-up Event Name Operator: Equal
		Value: Stroke - Hemorrhagic
		Element: 12933 Follow-up Event Name
		Operator: Equal
		Value: Stroke - Undetermined Element: 12933 Follow-up Event Name
		Operator: Equal
		Value: Reintervention - Aortic Valve
		Element: 12933 Follow-up Event Name Operator: Equal
		Value: Reintervention - Mitral Valve
		Element: 12933 Follow-up Event Name
		Operator: Equal
		Value: Reintervention - Tricuspid Valve
		Element: 14276 Follow-Up Events Occurred
		Operator: Equal
		Value: Yes

Follow Up Events - 1.3.6.1.4.1.19376.1.4.1.6.5.356

Selection	Definition	Source	Code	Code System Name
ASD Defect Closure due to Transseptal Catheterization	A procedure was required to close an atrial-septal defect as a result of the transseptal catheterization procedure.		112000001885	ACC NCDR
Atrial Fibrillation	Atrial fibrillation or flutter requiring treatment or prolonged hospitalization. Treatment includes initiation of a NEW/DIFFERENT medication therapy to address the arrhythmia; or a procedure/intervention to address the arrhythmia (cardioversion, permanent pacemaker/defibrillator, ablation, etc.).		49436004	SNOMED CT
Bleeding - Life Threatening	Life threatening or disabling bleeding is defined as: 1. Fatal bleeding OR 2. Bleeding in a critical area or organ, such as intracranial, intraspinal, intraocular, or pericardial necessitating pericardiocentesis, or intramuscular with compartment syndrome OR	Source: Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation Clinical Trials (JACC, 2011, vol 57, No 3)	11200000459	ACC NCDR





Section: Follow-Up Ev	entimormation	Parent: Follow Up		
	 Bleeding causing hypovolemic shock or severe hypotension requiring vasopressors or surgery OR Overt source of bleeding with drop in hemoglobin of >=5 g/dl or whole blood or packed red blood cells (RBCs) transfusion >=4 U. 			
Bleeding - Major	A major bleeding event, based on the 'Bleeding Academic Research Consortium' or BARC type 3a criteria is defined as : 1. Overt bleeding that is either associated with a drop in the hemoglobin level of at least 3.0 g/dL or requiring transfusion of 2 or 3 units of whole blood/RBC, or causing hospitalization or permanent injury, or requiring surgery AND 2. Does not meet VARC criteria of life-threatening or	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	112000001889	ACC NCDR
Cardiac Surgery or Intervention - Other Unplanned	disabling bleeding. The patient subsequently underwent cardiac surgery or a cath lab intervention that was unplanned. This does not include an intervention or procedure already identified as an adverse event in the TVT Registry (e.g. AV reintervention, other vascular surgery or		112000001892	ACC NCDR
COVID-19 Positive	intervention, pacemaker or ICD implant). The patient had a diagnosis of COVID-19, confirmed with a laboratory performed polymerase chain reaction (PCR) test.		112000001982	ACC NCDR
	Notes: It is acceptable to code the diagnosis of COVID- 19 based on testing that was NOT performed at your facility if it is accompanied by appropriate documentation in the medical record by the provider. Code no if documentation ONLY included antibody			
Deep Vein Thrombosis	testing (IgG). Deep vein thrombosis (DVT) refers to the formation of one or more blood clots (a blood clot is also known as a 'thrombus,' while multiple clots are called 'thrombi') in one of the body's large veins, most commonly in the lower limbs (e.g., lower leg or calf)	Office of the Surgeon General. (2008). The surgeon general's call to action to prevent deep vein thrombosis and pulmonary embolism. Retrieved from https://www.ncbi.nlm.nih.gov/books/NBK44184/	128053003	SNOMED CT
Device Embolization	The device became displaced from its initial implantation site so that it is no longer in its original position.	1	112000001324	ACC NCDR
Device Fracture	Partial or complete separation of any portion of the valve frame fractured into two or more parts. Do not code this event when there was a planned bioprosthetic valve fracture (BVF) on a previously		112000001891	ACC NCDR
Device Migration	implanted bioprosthetic valve during the lab visit. Device migration of the prosthetic valve is x-ray confirmed movement of the valve from its initial implantation site such that there is a change in valve orientation within the aortic outflow track resulting in a new echocardiographic confirmed flow disturbance (pre- and post- filmed documentation). Note: Code device embolization if the device is outside		370512004	SNOMED CT
Device Thrombosis	of the outflow tract. Any thrombus attached to or near the valve that was implanted during the procedure that occludes part of the blood flow path, interferes with valve function, or is sufficiently large to warrant treatment.	Updated Standardized Endpoint Definitions for Transcatheter Aortic Valve Implantation (JACC, 2012, Vol 60, No 15)	112000001839	ACC NCDR
Device Related Event - Other	Indicate if an otherwise unspecified device-related event requiring unanticipated treatment occurred. This includes any delivery system related event		112000001828	ACC NCDR
Dialysis (New Requirement)	includes any delivery system related event. Acute or worsening renal failure necessitating a new requirement for renal dialysis (renal dialysis includes hemodialysis and peritoneal dialysis). If a patient is on receiving continuous veno-venous hemofiltration (CVVH) as a result of renal failure (and not as treatment to remove fluid for heart failure), code yes.		100014076	ACC NCDR
Endocarditis	Confirmed diagnosis of endocarditis by blood culture and/or vegetation on or around a heart valve. This may include native tissue, ring or prosthetic valve involvement.	Society of Thoracic Surgeons (STS)	56819008	SNOMED CT
ICD	The patient developed a new dysrhythmia requiring insertion of an implantable cardioverter/defibrillator.		ACC-NCDR- ICD	ACC NCDR
Myocardial Infarction	A myocardial infarction (MI) is defined as an acute	Updated Standardized Endpoint Definitions for	22298006	SNOMED CT





Section: Follo

Section: Follow-Up Ex	vent Information	Parent: Follow Up		
	clinically significant myocardial necrosis. The MI can be periprocedural (<72 hours after the procedure) or spontaneous (>72 hours after the index procedure). 1. Peri-procedural MI (<72 h after the index procedure)	(JACC, 2012, vol 60, No 15)		
	(a) New ischemic symptoms (e.g. chest pain or shortness of breath), or new ischemic signs (e.g. ventricular arrhythmias, new or worsening heart failure, new ST-segment changes, hemodynamic instability, new pathological Q waves in at least two contiguous leads, imaging evidence of new loss of viable myocardium or new wall motion abnormality) AND			
	(b) Elevated cardiac biomarkers (preferable CK-MB) within 72 h after the indexprocedure, consisting of at least one sample post-procedure with a peak value exceeding 15 x as the upper reference limit for troponin or 5 x forCK-MB.* If cardiac biomarkers are increased at baseline (>99th percentile), a further increase in at least 50% post-procedure is required AND the peak value must exceed the previously stated limit.			
	2. Spontaneous MI (_72 h after the index procedure) any one of the following criteria:			
	 (a) Detection of rise and/or fall of cardiac biomarkers (preferably troponin) with at least one value above the 99th percentile URL, together with the evidence of myocardial ischemia with at least one of the following: -Symptoms of ischemia -ECG changes indicative of new ischemia [new ST-T changes or new left bundle branch block (LBBB)] -New pathological Q-waves in at least two contiguous leads -Imaging evidence of a new loss of viable myocardium or new wall motion abnormality 			
	(b) Sudden, unexpected cardiac death, involving cardiac arrest, often with symptoms suggestive of myocardial ischemia, and accompanied by presumably new ST elevation, or new LBBB, and/or evidence of fresh thrombus by coronary angiography and/or at autopsy, but death occurring before blood samples could be obtained, or at a time before the appearance of cardiac biomarkers in the blood.			
	(c) Pathological findings of an acute myocardial infarction.			
PCI	A PCI is the placement of an angioplasty guide wire, balloon, or other device (e.g. stent, atherectomy, brachytherapy, or thrombectomy catheter) into a native coronary artery or coronary artery bypass graft for the purpose of mechanical coronary revascularization.	National Cardiovascular Data Registry (NCDR)	415070008	SNOMED CT
Permanent Pacemaker	The patient developed a new dysrhythmia requiring insertion of a permanent pacemaker.		449397007	SNOMED CT
Pulmonary Embolism	Intravascular migration of a venous thrombus to the pulmonary arterial circulation. A 'Proved Pulmonary Embolism' is proved by a positive pulmonary angiogram an unequivocally positive helical CT scan, a high- probability ventilation-perfusion scan, or autopsy.	Banovac, F., et al. Reporting Standards for Endovascular Treatment of Pulmonary Embolism. , Journal of Vascular Interventional Radiology 2010; 21:44–53	59282003	SNOMED CT
Readmission - (Non-Valve Related)	The patient has been readmitted to an acute care facility after discharge for a non-valve related reason.		112000001895	ACC NCDR
Readmission (Valve Related)	The patient has been readmitted to an acute care facility after discharge for a valve-related reason.		112000001894	ACC NCDR
Readmission - Cardiac (Not Heart Failure)	The patient has been readmitted to an acute care facility after discharge with a cardiac diagnosis (where the primary diagnosis is NOT heart failure).		112000001897	ACC NCDR

The following criteria must be met for an event to be characterized as a heart failure readmission:

The patient has been readmitted to an acute care facility after discharge for the procedure with a

diagnosis of heart failure.

Readmission - Heart Failure

ACC NCDR

112000001896





Section: Follow-Up Ev	vent Information	Parent: Follow Up		
	 Hospitalization >=24 hours (including emergency room stay); Clinical signs and/or symptoms of heart failure (including, but not limited to, new or worsening dyspnea, orthopnea, paroxysmal nocturnal dyspnea, increasing fatigue, worsening functional capacity or activity intolerance, or signs and/or symptoms of volume overload.); Intravenous (e.g, diuretic or vasoactive therapy) or invasive (e.g., ultrafiltration, IABP, mechanical assistance) treatment for heart failure. 			
Readmission - Non-Cardiac	The patient has been readmitted to an acute care facility after discharge for a non-cardiac related diagnosis or procedure.		112000001898	ACC NCDR
Reintervention - Aortic Valve	The patient returned to the operating room or cath lab for any aortic valve re-intervention. Note: Please complete adjudication worksheet for every documented aortic valve reintervention, regardless of type of reintervention.		112000001827	ACC NCDR
Reintervention - Mitral Valve	The patient returned to the operating room or cath lab for any mitral valve re-intervention. Note: Please complete adjudication worksheet for every documented mitral valve reintervention, regardless of type of reintervention.		112000001893	ACC NCDR
Reintervention - Tricuspid Valve	The patient returned to the operating room or cath lab for any tricuspid valve re-intervention. Note: Please complete adjudication worksheet for every documented tricuspid valve reintervention, regardless of type of reintervention.		112000001820	ACC NCDR
Single Leaflet Device Attachment	Single leaflet device attachment was documented in the medical record.		112000001538	ACC NCDR
Stroke - Ischemic	An ischemic stroke is an acute episode of focal or global neurological dysfunction caused by brain, spinal cord, or retinal vascular injury as a result of infarction of central nervous system tissue.		422504002	SNOMED CT
Stroke - Hemorrhagic		(4).405-409. doi:10.1010/j.jacc.2014.12.010.	230706003	SNOMED CT
Stroke - Undetermined	A stroke of undetermined origin is defined as an acute episode of focal or global neurological dysfunction caused by presumed brain, spinal cord, or retinal vascular injury as a result of hemorrhage or infarction but with insufficient information to allow categorization as ischemic or hemorrhagic.		230713003	SNOMED CT
Transient Ischemic Attack (TIA)	A transient episode of focal neurological dysfunction caused by brain, spinal cord, or retinal ischemia, without acute infarction, where the neurological dysfunction resolves within 24 hours.	Society for Thoracic Surgeons (STS)	266257000	SNOMED CT
Vascular Complication - Major	 Major vascular complications include any of the following: 1. Any aortic dissection, aortic rupture, annulus rupture, left ventricle perforation, or new apical aneurysm/pseudo-aneurysm; 2. Access site or access-related vascular injury (dissection, stenosis, perforation, rupture, arteriovenous fistula, pseudoaneurysm, hematoma, irreversible nerve injury, compartment syndrome, percutaneous closure device failure) leading to death, life threatening or major bleeding*, visceral ischemia or neurological impairment; 3. Distal embolization (non-cerebral) from a vascular source requiring surgery or resulting in amputation or irreversible end-organ damage; 4. The use of unplanned endovascular or surgical intervention associated with death, major bleeding, visceral ischemia or neurological impairment; 5. Any new ischemia documented by patient symptoms, physical exam, and/or decreased or absent blood flow on lower extremity angiogram; 		11200000460	ACC NCDR





Section: Follow-Up Ev	vent Information	Parent: Follow Up		
	 6. Surgery for access site-related nerve injury; 7. Permanent access site-related nerve injury. *Refers to VARC bleeding definitions Note: "ipsilateral lower extremity" was removed from #5 to have the ability to account for ischemia from any access site. 			
Vascular Complication - Minor	Minor vascular complications include any of the following: 1. Access site or access-related vascular injury (dissection, stenosis, perforation, rupture, arteriovenous fistula, pseudoaneuysms, hematomas, percutaneous closure device failure) not leading to death, life-threatening or major bleeding*, visceral ischemia or neurological impairment; 2. Distal embolization treated with embolectomy and/or thrombectomy and not resulting in amputation or irreversible end-organ damage; 3. Any unplanned endovascular stenting or unplanned surgical intervention not meeting the criteria for a major vascular complication; 4. Vascular repair or the need for vascular repair (via surgery, ultrasound-guided compression, transcathete embolization, or stent-graft). *Refers to VARC bleeding definitions		112000001823	ACC NCDR
Vascular Surgery or Intervention - Unplanned	The patient required unplanned vascular surgery or intervention to correct a bleeding complication or vascular related complication. Note: If a balloon angioplasty of the access site or access related sites is performed as a routine procedure to ensure adequate hemostasis of the site, then this would not qualify as an Unplanned Vascular Surgery or Intervention. However, if a balloon angioplasty is performed in an attempt to treat a bleeding or vascular access complication (i.e. bleeding at access site, dissection, stenosis, narrowing of vessel, etc.), then Unplanned Vascular Surgery or Intervention should be captured.		11200000467	ACC NCDR





Element: 14386	Adjudication Event Date	Technical Specification
0	•	Code: 112000001816
Target Value:	Indicate the date the clinical event being adjudicated occurred.	Code System Name: ACC NCDR
-		Short Name: F_AJ_EventDate
vendor instruction:	The Adjudication Event Date (14386) / Adjudication Event Code (14385) must match with Follow-Up Event Date (14277) / Follow-Up Event Code (12933)	Missing Data: Report
		Harvested: Yes (BDS, TAVR, TMV TMVrpr, TTVP)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element: Yes
		Data Type: DT
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range: Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14385 Adjudication Event Operator: Equal
		Value: Reintervention - Aortic Valve
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Hemorrhagic
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Ischemic
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Reintervention - Mitral Valve
		Element: 14385 Adjudication Event
		Operator: Equal Value: Readmission - Heart Failure
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Transient Ischemic Attack (TIA)
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Reintervention - Tricuspid Valve
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Undetermined





Section: Follow-Up Eve	nt Information Parent: Fol	low Up	
Element: 14387	Adjudication Status	Techni	cal Specification
		Code	: 112000001817
Coding Instruction:	Indicate whether the patient was alive or deceased on the date the adjudic performed.	cation was Code System Name	ACC NCDR
Target Value:	N/A	Short Name	F_AJ_Status
-		Missing Data	: Report
vendor instruction:	Adjudication Status (14387) as 'Deceased' must be answered only once in	Harvested	: Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier	: No
		Is Base Element	
		Is Followup	Yes
		Liement	•
		Data Type	
		Precision	
		Selection Type	•
		Unit of Measure	
		Default Value	
		Usual Range	
		Valid Range	
		Data Source	
			Child Validation
			Adjudication Event
		Operator: Equal	<i></i>
			ention - Aortic Valve
			Adjudication Event
		Operator: Equal	
		Value: Stroke - H Element: 14385	-
		Operator: Equal	Adjudication Event
		Value: Stroke - I	schomic
			Adjudication Event
		Operator: Equal	
			ntion - Mitral Valve
			Adjudication Event
		Operator: Equal	
		Value: Readmiss	sion - Heart Failure
			Adjudication Event
		Operator: Equal	
			Ischemic Attack (TIA)
			Adjudication Event
		Operator: Equal	
			ntion - Tricuspid Valve
			Adjudication Event
		Operator: Equal	
		Value: Stroke - U	Indetermined
			AND
			Adjudication Event Date
		Operator:	
		Velues Any Velu	

Value: Any Value

Adjudication Life Status - 1.3.6.1.4.1.19376.1.4.1.6.5.726

Selection	Definition	Source	Code	Code System Name
Alive			438949009	SNOMED CT
Deceased			20	HL7 Discharge disposition





Section: Follow-Up Even	nt Information Parent: Follow Up		
Element: 14388	Adjudication Date of Death		al Specification
Coding Instruction:	Indicate the date the patient was declared dead.	Code:	399753006
Target Value:		Code System Name:	SNOMED CT
Vendor Instruction:	Adjudication Date of Death (14388) must be Greater than or Equal to Adjudication Event Date (14386)	Missing Data:	F_AJ_DeathDate Report Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier:	
		Is Base Element:	
		Is Followup Element:	Yes
		Data Type:	DT
		Precision:	
		Selection Type:	Single
		Unit of Measure:	
		Default Value:	Null
		Usual Range: Valid Range:	
		Data Source:	User
		Parent/	Child Validation
			cilliu valluation
			Adjudication Status
Element: 14463	Follow Up Clinical Comments	Element: 14387 // Operator: Equal Value: Deceased	Adjudication Status
Element: 14463	Follow Up Clinical Comments	Element: 14387 // Operator: Equal Value: Deceased Technic Code:	Adjudication Status cal Specification 423016009
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased	Adjudication Status cal Specification 423016009 SNOMED CT
	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Technic Code: Code System Name:	Adjudication Status cal Specification 423016009 SNOMED CT
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Technic Code: System Name: Short Name: Missing Data:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Technic Code: System Name: Short Name: Missing Data:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 Operator: Equal Value: Deceased Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrp TTVP) No
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrp TTVP) No No
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 Operator: Equal Value: Deceased Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrp TTVP) No No
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrp TTVP) No No Yes ST
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrp TTVP) No No Yes ST 1000
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Code: Code System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrp TTVP) No No Yes ST 1000
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Code: System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrpt TTVP) No No Yes ST 1000 Single
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 / Operator: Equal Value: Deceased Code: System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrpt TTVP) No No Yes ST 1000 Single
Coding Instruction:	Provide information and details that may assist in assessing the event(s) being adjudicated.	Element: 14387 // Operator: Equal Value: Deceased Code: System Name: Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	Adjudication Status cal Specification 423016009 SNOMED CT AJ_CommentsFU Report Yes (TAVR, TMVR, TMVrp TTVP) No No Yes ST 1000 Single





ement: 14389	Symptom Onset Date	Technical Specification
Coding Instruction	Indicate the date of symptom onset of the neurologic deficit.	Code: 11200000125
Target Value:		Code System Name: ACC NCDR
		Short Name: F_AJ_SxOnset
		Missing Data: Report
		Harvested: Yes (TAVR, TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		Is Followup
		Element:
		Data Type: DT
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Transient Ischemic Attack (TIA)
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Hemorrhagic
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Ischemic
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Undetermined AND
		Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type
		Operator: Equal
		Value: TAVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TMVr





ection: Follow-Up Strol	ke or TIA Parent: Follow-Up Event	t Information
ement: 14390	Neurologic Deficit with Rapid Onset	Technical Specification
		Code: 264552009
Coding Instruction:	Indicate if the patient had a sudden onset of a focal or global neurologic deficit (regardless the duration of symptoms) with at least one of the following present: change in level of	Name: SNOMED CT
	consciousness, hemiplegia, hemiparesis, numbness or sensory loss affecting one side of th body, dysphasia or aphasia, hemianopia, amaurosis fugax, other neurological signs or	Short Name: F_AJ_NeuroDef
	symptoms consistent with a stroke.	Missing Data: Report
Target Value:		Harvested: Yes (BDS, TAVR, TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		ls Followup Element:
		Data Type: BL
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Hemorrhagic
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Ischemic
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Stroke - Undetermined
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Transient Ischemic Attack (TIA)
		Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type Operator: Equal
		Value: TAVR
		Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type Operator: Equal





Section: Follow-Up Stro	ke or TIA	Parent: Follow-Up Event Information
Element: 14391	Neurologic Deficit Clinical Presentation	Technical Specification
	Indicate the clinical presentation of the neurologic deficit.	Technical Specification Code: 264552009 Code: SNOMED CT Name: SNOMED CT Short Name: F_AJ_NeuroClinPresent Missing Data: Report Harvested: Yes (BDS, TAVR, TMVR, TMVrpr) Is Identifier: No Is Base Element: No Is Followup Yes Element: Yes Data Type: CD Precision: Selection Type: Selection Type: Single Unit of Measure: Default Value: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14390 Neurologic Defict with Rapid Onset Operator: Usulue: Yes
	sentation - 1.3.6.1.4.1.19376.1.4.1.6.5.716	
	Definition Sou	
ΓΙΑ or Stroke (CVA) Non Stroke Neurologic Deficit		100014109 ACC NC 112000001860 ACC NC
Element: 14392	Neurologic Symptom Duration Greater Than or E	qual to 24 hours Technical Specification
-	Indicate if the duration of the neurologic symptoms lasted	>= 24 hours. Code: 308921004 Code System SNOMED CT
Target Value:	N/A	Name: ShowED OT Short Name: F_AJ_NeuroSymptDuration Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr) Is Identifier: No Is Base Element: No Is Followup Element: PL

Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User

Value: TIA or Stroke (CVA)

Operator: Equal

 Parent/Child Validation

 Element:
 14391
 Neurologic Deficit Clinical

 Presentation
 Presentation





Section: Follow-Up Stro		Parent: Follow-Up Event Info		
Element: 14393	Brain Imaging Performed		Technical Sp	
Coding Instruction:	Indicate if neuroimaging such as CT, MRI, cerebral angiogra	phy was performed.	Code: 441986	6001
-		,,	Code System Name: SNOME	ED CT
Target Value:	N/A		Short Name: F_AJ_I	
			Missing Data: Report	-
			Harvested: Yes (T	AVR, TMVR, TMVrpr)
			Is Identifier: No	
			Is Base Element: No	
			Is Followup	
			Element.	
			Data Type: BL Precision:	
			Selection Type: Single	
			Unit of Measure:	
			Default Value: Null	
			Usual Range:	
			Valid Range:	
			Data Source: User	
			Parent/Child	Validation
				gic Deficit Clinical
			Presentation	
			Operator: Equal	
			Value: TIA or Stroke (CV	A)
lement: 14394	Brain Imaging Type		Technical Sp	ecification
			Code: 441986	
-	Indicate the type of neuroimaging performed.		Code System Name: SNOME	ED CT
Target Value:	N/A		Short Name: F_AJ_I	
			Missing Data: Report	
			Harvested: Yes (T	AVR, TMVR, TMVrpr)
			Is Identifier: No	
			Is Base Element: No	
			Is Followup	
			Element:	
			Data Type: CD Precision:	
			Selection Type: Single Unit of Measure:	
			Default Value: Null	
			Usual Range:	
			Valid Range:	
			Data Source: User	
			Parent/Child	Validation
				aging Performed
			Operator: Equal	0.0
			Value: Yes	
maging Type - 1.3.6.1.4.1.193				0.4.0
Selection [Computed Tomography	Definition Source	e	Code	Code System Nar
Computed Tomography with			77477000 112000001861	SNOMED ACC NC
Contrast Magnetic Resonance Imaging			113091000	SNOMED
Magnetic Resonance Imaging			51619007	SNOMED
vith Contrast			01019007	SINUMED
)ther Imaging			112000001862	

Other Imaging

112000001862

ACC NCDR





Section: Follow-Up Stroke or TIA Parent: Follow-Up Event Information Element: 14395 **Technical Specification** Brain Imaging Findings Code: 112000001979 Coding Instruction: Indicate the type of deficit found as a result of the neuroimaging study. Hemorrhage includes Code System Name: ACC NCDR intraparenchymal, intraventricular and epidural hemorrhages. Short Name: F BI Find Target Value: N/A Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr) Is Identifier: No Is Base Element: No Is Followup Yes Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14393 Brain Imaging Performed Operator: Equal Value: Yes Brain Imaging Finding - 1.3.6.1.4.1.19376.1.4.1.6.5.717

Selection	Definition	Source	Code	Code System Name
Infarct	Neuroimaging evidence of CNS infarction in the corresponding vascular territory (brain, spinal cord, or retinal cell death), with or without hemorrhage.	Adapted from: Lansky, A.J., et al. Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials (An Academic Research Consortium Initiative) JACC 2017, 69 (6): 679-690	55641003	SNOMED CT
Hemorrhage	Neuroimaging evidence of central nervous system (CNS) hemorrhage within the brain parenchyma, subarachnoid space, ventricular system, spinal cord, or retina that is not caused by trauma.	Adapted from: Lansky, A.J., et al. Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials (An Academic Research Consortium Initiative) JACC 2017, 69 (6): 679-690	50960005	SNOMED CT
No Deficit			100001231	ACC NCDR





Element: 14396	Event Related Sequelae		Technical Specification		
		m	Code: 3	6297700	D
Coding Instruction Target Value	 Indicate the sequelae related to the stroke or TIA. N/A 		Code System Name:	NOMED C	т
			Short Name: F	_Adj_ERS	S
			Missing Data: F	Report	
				′es (BDS, ™Vrpr)	, TAVR, TMVR,
			Is Identifier: N	lo	
			Is Base Element: N		
			Is Followup Element:	'es	
			Data Type: 0	D	
			Precision:		
			Selection Type: N	/lultiple	
			Unit of Measure:		
			Default Value: N	lull	
			Usual Range:		
			Valid Range:		
			Data Source: L	Jser	
			Parent/C	hild Val	lidation
			Element: 14391 Ne Presentation		Deficit Clinical
			Operator: Equal		
			Value: TIA or Strok	e (CVA)	
vent Related Sequelae - 1.3.	6.1.4.1.19376.1.4.1.6.5.737				
election	Definition	Source	Co	ode (Code System Nam
leath			419620	001	SNOMED C
ermanent Vegetative State			723151	005	SNOMED (

Selection	Demilion	Source	Code	Code System Name
Death			419620001	SNOMED CT
Permanent Vegetativ	ve State		723151005	SNOMED CT
Altered Consciousne	ess		3006004	SNOMED CT
Blindness			193699007	SNOMED CT
Aphasia			87486003	SNOMED CT
Loss of Motor Functi	on		112000001936	ACC NCDR
Loss of Sensory Fur	nction		33653009	SNOMED CT
Facial Paralysis			280816001	SNOMED CT
Prolonged Length of	Stay		112000001937	ACC NCDR
Other			100000351	ACC NCDR





Element: 1422 Discharge Location After Event Coding Instruction: Indicate the discharge location after the stocke or TIA. Target Value: INA Target Value: INA Target Value: INA UNA Is a discharge location after the stocke or TIA. Is a discharge location after the stockee or TIA. Is a discharge location after the the the the the discharge location after the the the the discharge location after the the the discharge location after the the the the discharge location after the the the discharge location after the th		Discharge Location After Event	Technical Specification	
Target Value: N/A Target Value: Target Va			-	
Short Name: F.A.J.D.AE Missing Date: Seport Harvested: Yes (BDS, TAVR, TMVR, TMVrp) Is Isdentifier: No Is Base Element: No Element: No Data Type: CD Precision: Selection Type: Single Unit of Measure: Nul Usual Range: Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Henorchagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undermined Element: 14387 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TM) Value: Altor Element: 14387 Adjudication Event Operator: Equal Value: Transient Externator NAD Element: 14387 Adjudication Event Operator: Equal Value: Transient Externator NAD Element: 14387 Adjudication Status Operator: Equal Value: Transient Externator NAD Element: 14387 Adjudication Status Operator: Equal Value: Transient Externator NAD Element: 14387 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: Transient Externator NAV Element: 13706 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: Transcatheter Valve Therap Naternator NAD	-	-	Code System	
Harvested: vss (BOS, TAVR, TAVR, TAVR, TAVR) Is Base Element: No Is Base Element: No Element: So Data Type: CO Precision: Selector Type: Single Unit of Messure: Default Value: Null Usual Range: Usual Range: Usual Range: Usual Range: Usual Range: Usual Range: Usual Stocke - Henorchagic Element: 14385 Adjudication Event Operator: Equal Value: Transcatheter Valve Therag Reference Procedure Type Operator: Equal Value: Tariscatheter Valve Therag Reference Procedure Type Operator: Equal	Target value.			
is identifie: No is Base Element: No is Followup Precision: Selection Type: CD Precision: Selection Type: Single Unit of Measure: Data Type: CD Precision: Selection Type: Single Unit of Measure: Value: Nuture: Nuture Value: Nuture: Nuture: Nuture: Value: Nuture: Value: Stroke-Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Tansient Ischemic Attack (TIA) Calue: Adjudication Event Operator: Equal Value: Adjudication Event Operator: Equal Value: Adjudication Event Operator: Equal Value: Adjudication Event Coperator: Equal Value: Adjudication Event Value: Adjudication Event Coperator: Equal Value: Adjudication Event Coperator: Equal Value: Adjudication Event Value: Adjudication Event Coperator: Equal Value: Tansetheter Value Thera Reference Procedure Type Operator: Equal Value: Thars Element: 13705 Transetheter Value Thera Reference Procedure Type Operator: Equal			Harvested: Yes (BDS, TAVR, TM	VR,
is Followup Ye's Element: 'CO Data Type: 'CO Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Valid Range: Usual Comparison: Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Indetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14387 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14387 Adjudication Status Operator: Equal Value: Tarnscatheter Valve Therag Reference Procedure Type Operator: Equal Value: Tarns Reference Procedure Type Operator: Equal Value: Tarns N				
Lement: CD Data Type: CD Precision: Selection Type: Single Unit of Massure: Default Value: Nuil Usual Range: Valid Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Indemnic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Indemnic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Indetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Indetermined Element: 14385 Adjudication Event Operator: Equal Value: Torke - Undetermined Element: 14387 Adjudication Status Operator: Equal Value: Tarnscatheter Valve Therap Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TAVR				
Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorthagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TAVR			Is Followup Element: Yes	
Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Value Range: Value Range: Value Range: Value Range: Value Range: Value Range: Value Range: Value Range: Value Source: User Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14387 Adjudication Event Operator: Equal Value: Alvo Element: 14387 Adjudication Status Operator: Equal Value: Alvo Element: 14375 Transcatheter Valve Theraj Reference Procedure Type Operator: Equal Value: TMVR				
Unit of Messive: Default Value: Nuil Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIA) Element: 14387 Adjudication Event Operator: Equal Value: Tansient Ischemic Attack (TIA) Coperator: Equal Value: Alive AND 				
Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Indetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Tansient Ischemic Attack (TIA) 				
Usual Range: Valid				
Valid Range: Data Source: User Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Value: Stroke - Ischemic Element: 14385 Value: Stroke - Ischemic Element: 14385 Value: Stroke - Undetermined Element: 14385 Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Value: Stroke - Undetermined Element: 14385 Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIA) Total: Transient Ischemic Attack (TIA) ADD Element: 14387 Adjudication Status Operator: Equal Value: TAVR Value: Ti3705 Transcatheter Valve Thera Reference Proceedure Type Operator: Equal Value: TAVR Element: 13705 Coperator: Equal Value: TAVR Value: TAVR Element: 13705 Reference Proceedure Type Operator: Equal Value: TAVR Element: 13705 Value:				
Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transcatheter AND Value: 13706 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TAVR Element: 13706 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: Transcatheter Valve Thera Value:			_	
Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Operator: Equal Value: AND Value: Transcent Ischemic Attack (TIA)			-	
Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Operator: Equal Value: Not Value: Stroke - Undetermined Element: 14385 Value: Transent Ischemic Attack (TIA)			Parent/Child Validation	
Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Operator: Equal Value: Transient Ischemic Attack (TIA) Value: Tansient Ischemic Attack (TIA)				
Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Echemic Attack (TIA) 			Operator: Equal	
Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Operator: Equal Value: Transient Ischemic Attack (TIA)			Value: Stroke - Hemorrhagic	
Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIA) Value: Transient Ischemic Attack (TIA) Value: Tayse Element: 14387 Adjudication Status Operator: Equal Value: AND Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TMVr			Element: 14385 Adjudication Event	
Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIA)				
Operator: Equal Value: Stroke - Undetermined Element: 14385 Value: Stroke - Undetermined Value: 14385 Value: Transient Ischemic Attack (TIA)				
Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIA)				
Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIA) 				
Operator: Equal Value: Transient Ischemic Attack (TIA) Element: 14387 Adjudication Status Operator: Equal Value: AND Value: Alive AND AND Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal				
Value: Transient Ischemic Attack (TIA) AND AND Element: 14387 Adjudication Status Operator: Equal Value: Aive Value: Aive AND AND Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Therap Reference Procedure Type Operator: Equal				
AND Element: 14387 Adjudication Status Operator: Equal Value: Alive AND Element: 13705 Transcatheter Valve Theray Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Theray Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Theray Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Theray Reference Procedure Type Operator: Equal				
Element: 14387 Adjudication Status Operator: Equal Value: Alive 				
Operator: Equal Value: Alive				
Value: Alive AND Element: 13705 Transcatheter Valve Therat Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Therat Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Therat Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Therat Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Therat Reference Procedure Type Operator: Equal				
Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal				
Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal			AND	
Value: TAVR Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal				nerapy
Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal				
Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal				
Value: TMVr Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal				nerapy
Element: 13705 Transcatheter Valve Thera Reference Procedure Type Operator: Equal				
Reference Procedure Type Operator: Equal				
				nerapy
Value: IMVR				
			Value: IMVR	

Selection	Definition	Source	Code	Code System Name
Home			01	HL7 Discharge disposition
Skilled Nursing Facility	Skilled nursing facilities (SNF) are typical programs used for longer anticipated len	,	03	HL7 Discharge disposition
	Note: Sometimes SNFs may have acute r beds within their facility. If the patient is a SNF for acute rehab (requiring a higher code "extended care/TCU/rehab".	discharged to		
Extended Care/TCU/Rehab	An extended care unit, transitional care u unit typically provides a high level of inter as well as specialized nursing and physic discharge setting may also be called sub long term acute care (LTACH).	nsive therapy cian care. This	62	HL7 Discharge disposition
Other Acute Care Hospital			02	HL7 Discharge disposition
Left Against Medical Advice (AMA)	The patient was discharged or eloped ag advice.	ainst medical	07	HL7 Discharge disposition





Section: Follow-Up Stroke or TIA Parent: Follow-Up Event Information Other Discharge Location 100001249 ACC NCDR **Technical Specification** Element: 14422 Patient Discharged to Prior Place of Living Code: 112000001882 Coding Instruction: Indicate if the patient was discharged to their prior place of living. Code System Name: ACC NCDR Target Value: N/A Short Name: F_AJ_PriorLiving Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrpr) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: BL Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIA) AND Element: 14387 Adjudication Status Operator: Equal Value: Alive AND Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: TAVR Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: TMVr Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal

Value: TMVR





Coding Instruction: Indicate if the stroke was diagnosed during autopsy. Target Value: N/A Short Name: F_AJ_AtDXStroke, Missing Data: Report Harvested: Yes (TAVR, TMVF Is Identifier: No Is Base Element: No Is Followup Element: Element: Yes Element: Null Value: Storte: Default Value: Null Unit of Measure: Default Value: Default Value: Null Used Range: Data Source: Default Value: Null Valid Range: Data Source: Default Value: Null Used Range: Data Source: Default Value: Null Value: Storke - Hemorrhagic Element: 14385 Value: Storke - Ischemic Element: 14385 Value: Storke - Ischemic Element: 14385 Value: Storke - Undetermined Element: 14385 Value: Storke - Undetermined	ment: 14397	Stroke Diagnosed During Autopsy	Тес	hnical Specification
Target Value: N/A Target Value: N/A Short Name: F, AJ, AuDxStrok Missing Data: Report Harvested: Yes (TAVR, TMVF Is Identifier: No Is Base Element: No Is Base Element: No Is Base Element: No Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Attack (TI 	0			
Short Name: F_Al_Aut05Strokd Missing Data: Report Harvested: Yes (TAVR, TMVF Is Identifier: No Is Base Element: No Is Base Element: No Element: Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TL Value: Transient Ischemic Attack (TL Value: Transient Ischemic Attack (TL	-	с с , ,	Code Sys	tem SNOMED CT
Harvested: Yes (TAVR, TMVF Is Identifier: No Is Base Element: No Element: Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th Value: Transient Ischemic Attack (Th			Short Na	me: F_AJ_AutDxStroke
Is Identifier: No Is Base Element: No Is Followuw Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Indetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal			Missing E	ata: Report
Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Uata Source: User Parent/Child Validatio Element: 1435 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 1435 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 1435 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 1435 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 1435 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 1435 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 1435 Adjudication Event Operator: Equal			Harves	ted: Yes (TAVR, TMVR, TMVrp
Is Followup Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: User Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th			Is Identi	fier: No
Element: ^{Tes} Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal			Is Base Elem	ent: No
Liement: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validation Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th Value: Transient Ischemic Attack (Th				
Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th				ent:
Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th				
Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal				
Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th				
Usual Range: Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th				
Valid Range: Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th AND				
Data Source: User Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TL				•
Parent/Child Validatio Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th AND				•
Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TL AND			Data Sou	Irce: User
Operator: Equal Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TL			Par	ent/Child Validation
Value: Stroke - Hemorrhagic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TL AND			Element: 1438	5 Adjudication Event
Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TL AND			Operator: Equa	
Operator: Equal Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIL AND			Value: Strok	e - Hemorrhagic
Value: Stroke - Ischemic Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (The Comparison of Attack) AND			Element: 1438	5 Adjudication Event
Element: 14385 Adjudication Event Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TIJ AND			Operator: Equa	
Operator: Equal Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TI, AND			Value: Strok	e - Ischemic
Value: Stroke - Undetermined Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (TI) AND			Element: 1438	5 Adjudication Event
Element: 14385 Adjudication Event Operator: Equal Value: Transient Ischemic Attack (Th AND			Operator: Equa	
Operator: Equal Value: Transient Ischemic Attack (Th AND			Value: Strok	e - Undetermined
Value: Transient Ischemic Attack (TL AND			Element: 1438	5 Adjudication Event
AND			Operator: Equa	
			Value: Trans	sient Ischemic Attack (TIA)
Element: 14387 Adjudication Status				AND
			Element: 1438	7 Adjudication Status
Operator: Equal			Operator: Equa	

Boolean with Information Not Available - 1.3.6.1.4.1.19376.1.4.1.6.5.718

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR
Information Not Available	e		112000001866	ACC NCDR





Section: Follow-Up AV	Section: Follow-Up AV Re-Intervention		nformation		
Element: 14398	Aortic Valve Reintervention Type		Technic	al Spe	cification
Coding Instruction:	Indicate the type of aortic valve reintervention.		Code:	1120000	001868
Target Value:			Code System Name:	ACC NCI	DR
5			Short Name:	F_AJ_Re	eIntType
			Missing Data:	Report	
			Harvested:	Yes (BD	S, TAVR)
			Is Identifier:	No	
			Is Base Element:		
			Is Followup Element:	Yes	
			Data Type:	CD	
			Precision:	00	
			Selection Type:	Sinale	
			Unit of Measure:	- J -	
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
			Parent/0	Child V	alidation
			Element: 14385 A	Adjudicati	on Event
			Operator: Equal		
			Value: Reinterver	ntion - Ao	rtic Valve
				AND	•••••
			Element: 13705 Reference		neter Valve Therapy re Type
			Operator: Equal		
			Value: TAVR		
/alve Reintervention Type - 1.	.3.6.1.4.1.19376.1.4.1.6.5.719				
	Definition	Source	(Code	Code System Nar
Surgical Replacement			11200000	1872	ACC NC
Surgical Repair			11200000	1871	ACC NCI
ranscatheter Replacement			11200000	1875	ACC NC
Balloon Valvuloplasty			11200000	1469	ACC NC

Surgical Repair	112000001871	ACC NCDR
Transcatheter Replacement	112000001875	ACC NCDR
Balloon Valvuloplasty	112000001469	ACC NCDR
Leaflet Clip Procedure	112000001778	ACC NCDR
Paravalvular Leak Closure	112000001916	ACC NCDR
Other Transcatheter	112000001873	ACC NCDR
Intervention		





Section: Follow-Up AV I	Re-Intervention	Parent: Follow-Up Event Info	ormation		
Element: 14399	Aortic Valve Reintervention Primary Indication		Technic	al Spe	ecification
Codina Instructions	Indicate the primery indication for the relation option. If m	and there are indication is present			001825
Coding Instruction:	Indicate the primary indication for the reintervention. If m code the indication the operator feels has the highest sig		Code System Name:	ACC NO	CDR
Target Value:	N/A		Short Name:		
			Missing Data:	Report	
			Harvested:	Yes (Bl	DS, TAVR)
			Is Identifier:	No	
			Is Base Element:		
			Is Followup Element:	Yes	
			Data Type:	CD	
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
			Parent/0	Child \	/alidation
			Element: 14385 A	Adjudica	tion Event
			Operator: Equal		
			Value: Reinterver	ition - A	ortic Valve
			•••••	AND	•••••
			Element: 13705 Reference		
			Operator: Equal		
			Value: TAVR		
alve Reintervention Indicatio	n - 1.3.6.1.4.1.19376.1.4.1.6.5.720				
Selection [Definition So	urce		Code	Code System Na
Regurgitation			4044	5007	SNOMED
itenosis			4424	1007	SNOMED
Novice Embelization			11200000	1004	

Other	100000351	ACC NCDR
Valve Injury	762610001	SNOMED CT
Device Thrombosis	112000001839	ACC NCDR
Paravalvular Leak	234184000	SNOMED CT
Endocarditis	56819008	SNOMED CT
Device Migration	370512004	SNOMED CT
Device Fracture	112000001891	ACC NCDR
Device Embolization	112000001324	ACC NCDR
Stenosis	44241007	SNOMED CT
Regulgitation	10001	ONOMILD OF





Element: 14400	Aortic Valve Regurgitation	Technical Specification
Coding Instruction		Code: 112000001869
Coding Instruction: Target Value:	Indicate the highest level of aortic regurgitation prior to the aortic valve reintervention. N/A	Code System Name: ACC NCDR
. 3		Short Name: F_AJ_AlSev
		Missing Data: Report
		Harvested: Yes (BDS, TAVR)
		Is Identifier: No
		Is Base Element: No
		Is Followup Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Reintervention - Aortic Valve
		AND
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal
		Value: TAVR
		AND
		Element: 14399 Aortic Valve Reintervention Primary Indication
		Operator: Equal
		Value: Regurgitation

Selection	Definition	Source	Code	Code System Name	
None			112000001910	ACC NCDR	
Trace/Trivial			112000001911	ACC NCDR	
Mild			11200000380	ACC NCDR	
Moderate			11200000381	ACC NCDR	
Severe			11200000382	ACC NCDR	





lement: 14403	Paravalvular Aortic Regurgitation	Technical Specification
		Code: 112000001428
Coding instruction:	Indicate the highest severity of paravalvular aortic regurgitation prior to the aortic valve reintervention.	Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".	Short Name: F_AJ_PVSev
	,	Missing Data: Report
Target Value:	N/A	Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: No
		Is Followup
		Element.
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range: Data Source: User
		Parent/Child Validation
		Element: 14400 Aortic Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 14400 Aortic Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 14400 Aortic Valve Regurgitation
		Operator: Equal Value: Severe
		Element: 14400 Aortic Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial

Selection	Definition	Source	Code	Code System Name
None			112000001910	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





ement: 14401	Central Aortic Regurgitation	Technical Specification
		Code: 112000001433
Coding Instruction:	Indicate the highest severity of central aortic regurgitation prior to the aortic valve reintervention.	Code System Name: ACC NCDR
	Note: If trace/trivial is documented, code "none".	Short Name: F_AJ_CenSev
	,	Missing Data: Report
Target Value:	N/A	Harvested: Yes (TAVR)
		Is Identifier: No
		Is Base Element: No
		Is Followup
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14400 Aortic Valve Regurgitation
		Operator: Equal
		Value: Mild
		Element: 14400 Aortic Valve Regurgitation
		Operator: Equal
		Value: Moderate
		Element: 14400 Aortic Valve Regurgitation
		Operator: Equal
		Value: Severe
		Element: 14400 Aortic Valve Regurgitation
		Operator: Equal
		Value: Trace/Trivial

······································					
Definition	Source	Code	Code System Name		
		112000001910	ACC NCDR		
		11200000380	ACC NCDR		
		11200000381	ACC NCDR		
		11200000382	ACC NCDR		
	•	•	Definition Source Code 112000001910 11200000380 11200000380 11200000381 11200000381 11200000381		

Element: 14402

Aortic Valve Area

Coding Instruction: Indicate the smallest aortic valve area (in cm squared).

Target Value: N/A

Code:	112000001280
Code System Name:	ACC NCDR
Short Name:	F_AJ_AVA
Missing Data:	Report
Harvested:	Yes (TAVR)
Is Identifier:	No
Is Base Element:	
Is Followup Element:	Yes
Data Type:	PQ
Precision:	3,2
Selection Type:	Single
Unit of Measure:	cm2
Default Value:	Null
Usual Range:	0.20 - 4.00 cm2
Valid Range:	0.05 - 5.00 cm2
Data Source:	User
Parent/0	Child Validation
Element: 14399 A	Aortic Valve Reintervention
Primary Inc	dication
Operator: Equal	

Technical Specification

Value: Stenosis





ection: Follow-Up AV I	Re-Intervention	Parent: Follow-Up Event Information	
ement: 14404	Aortic Valve Mean Gradient	Techni	cal Specification
A III <i>A A</i>		Code	112000001398
Coding Instruction:	Indicate the aortic valve mean gradient in mm Hg.	Code System Name	
Target Value:	N/A		
		Short Name	
		Missing Data	
			: Yes (BDS, TAVR)
		Is Identifier	
		Is Base Element	
		Is Followup	Yes
		Element	
		Data Type	
		Precision	,
		Selection Type	•
		Unit of Measure	
		Default Value	
			: 5 - 50 mm[Hg]
		-	: 0 - 200 mm[Hg]
		Data Source	User
		Parent	Child Validation
		Element: 14399	Aortic Valve Reintervention
		Primary Ir	ndication
		Operator: Equal	
		Value: Stenosis	





lement: 14405	Mitral Valve Reintervention Type	Technical Specification
		Code: 11200001868
Coding Instruction: Target Value:	Indicate the type of mitral valve reintervention.	Code System Name: ACC NCDR
		Short Name: F_AJ_MVReinType Missing Data: Report Harvested: Yes (BDS, TMVR, TMVrpr) Is Identifier: No Is Base Element: No Is Followup Yes Element: Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null
		Usual Range: Valid Range: Data Source: User Parent/Child Validation
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Reintervention - Mitral Valve
		AND
		Operator: Equal Value: TMVR
		Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
		Operator: Equal Value: TMVr

Valve Reintervention Type - 1.3.6.1.4.1.19376.1.4.1.6.5.719

Selection	Definition	Source	Code	Code System Name
Surgical Replacement	t		112000001872	ACC NCDR
Surgical Repair			112000001871	ACC NCDR
Transcatheter Replac	ement		112000001875	ACC NCDR
Balloon Valvuloplasty	,		112000001469	ACC NCDR
Leaflet Clip Procedure	9		112000001778	ACC NCDR
Paravalvular Leak Clo	osure		112000001916	ACC NCDR
Other Transcatheter Intervention			112000001873	ACC NCDR





Section: Follow-Up MV	Parent: Follow-Up Event Information	
ilement: 14406	Mitral Valve Reintervention Indication	Technical Specification
Coding Instruction	Indicate the primary indication for the reintervention. If more	then one indication is present
Coding Instruction:	code the indication the operator feels has the highest signif	
Target Value:	N/A	Short Name: F_AJ_MVReintInd
		Missing Data: Report
		Harvested: Yes (BDS, TMVR, TMVr
		Is Identifier: No
		Is Base Element: No
		Is Followup Floment: Yes
		Liement.
		Data Type: CD
		Precision:
		Selection Type: Single
		Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Reintervention - Mitral Valve
		AND
		Element: 13705 Transcatheter Valve Thera Reference Procedure Type
		Operator: Equal
		Value: TMVR
		Element: 13705 Transcatheter Valve Thera Reference Procedure Type
		Operator: Equal
		Value: TMVr

Valve Reintervention Indication - 1.3.6.1.4.1.19376.1.4.1.6.5.720

Selection	Definition	Source	Code	Code System Name
Regurgitation			40445007	SNOMED CT
Stenosis			44241007	SNOMED CT
Device Embolization			112000001324	ACC NCDR
Device Fracture			112000001891	ACC NCDR
Device Migration			370512004	SNOMED CT
Endocarditis			56819008	SNOMED CT
Paravalvular Leak			234184000	SNOMED CT
Device Thrombosis			112000001839	ACC NCDR
Valve Injury			762610001	SNOMED CT
Other			100000351	ACC NCDR





Element: 14380	Hospitalization Greater Than or Equal to 24 Hours	Technical Specification
		Code: 1000142363
Coding Instruction:	Indicate if the heart failure readmission required the patient to be hospitalized any inpatient unit for at least 24 hours, including emergency department or ob-	
Target Value:	N/A	Short Name: F_AJ_Hospital
		Missing Data: Report
		Harvested: Yes (TMVR, TMVrpr)
		Is Identifier: No
		Is Base Element: No
		Is Followup
		Element:
		Data Type: CD
		Precision:
		Selection Type: Single Unit of Measure:
		Default Value: Null
		Usual Range:
		Valid Range:
		Data Source: User
		Parent/Child Validation
		Element: 14385 Adjudication Event
		Operator: Equal
		Value: Readmission - Heart Failure
		AND
		Element: 13705 Transcatheter Valve Therapy
		Reference Procedure Type
		Operator: Equal Value: TMVR
		Element: 13705 Transcatheter Valve Therap
		Reference Procedure Type
		Operator: Equal
		Value: TMVr

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR
Information Not Avail	lable		112000001866	ACC NCDR





Coding Instruction: Indicate if the patient had clinical signs and/or symptoms of heart failure, including new or worsening dyspnea, orthopnea, paroxysmal nocturnal dyspnea, increasing fatigue, worsening functional capacity or activity intolerance, or signs and/or symptoms of volume overload. Code: 100014007 Target Value: N/A ACC NCDR Missing Data: Report Harvestel: Yes Element: No Is Base Element: No Is Gestion: Selection Type: Selection Type: Single Unit of Measure: Default Value: Valid Range: Valid Range: Valid Range: Cade: Valid Range: Adjudication Ever Operator: Equal Value: Radriget Transcatheter Van Reference Procedure Type Operator: Equal Value: Redmission - Heart Failure	Clinical S	gns or Symptoms of Heart Failure		Techni	cal Specification
Short Name: F_AJ_SSHF Missing Data: Report Harvested: Yes (TMVR, TM Is Identifier: No Is Followup Element: No Is Followup Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Valid Range: Data Source: User Parent/Child Validati Element: 14385 Adjudication Ever Operato:: Equal Value: Readmission - Heart Failure Reference Procedure Type Operato:: Equal Value: TMVR				Code	: 100014007
Target Value: N/A Short Name: F_AJ_SSHF Missing Data: Report Harvested: Yes (TMVR, TM Is Base Element: No Is Base Element: No Is Base Element: No Is Base Element: No Is Base Element: No Is Followup Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usal Range: Data Source: User Data Source: User Parent/Child Validati Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure Value: TMVR Element: 13705 Tarscatheter Va Reference Procedure Type Operator: Equal Value: TMVR	worsening	lyspnea, orthopnea, paroxysmal nocturnal dysp	nea, increasing fatigue, worsening	Code System Name	ACC NCDR
Harvested: Yes (TMVR, TM Is Identifier: No Is Base Element: No Is Followup Yes Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 	Turictional C	apacity of activity intolerance, of signs and/or sy	inploins of volume overload.	Short Name	: F_AJ_SSHF
Is Identifier: No Is Base Element: No Is Followup Yes Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Terrent/Child Validati Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 	et Value: N/A			Missing Data	: Report
Is Base Element: No Is Followup Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 				Harvested	: Yes (TMVR, TMVrpr)
Is Followup Element: Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validati Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 				Is Identifier:	: No
Element: ¹⁶³ Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 					
Element: Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 				Is Followup	Yes
Precision: Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Valid Range: Data Source: User Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 					
Selection Type: Single Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 				••	
Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure AND Element: 13705 Transcatheter Va Reference Procedure Type Operator: Equal Value: TMVR					
Default Value: Null Usual Range: Valid Range: Data Source: User Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 					-
Usual Range: Valid Range: Data Source: User Parent/Child Validati Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 					
Valid Range: Data Source: User Parent/Child Validati Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 					
Data Source: User Parent/Child Validati Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure				-	
Parent/Child Validat Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure 				-	
Element: 14385 Adjudication Ever Operator: Equal Value: Readmission - Heart Failure AND Element: 13705 Transcatheter Va Reference Procedure Type Operator: Equal Value: TMVR					
Operator: Equal Value: Readmission - Heart Failure 				Parent/	Child Validation
Value: Readmission - Heart Failure AND Element: 13705 Transcatheter Va Reference Procedure Type Operator: Equal Value: TMVR				Element: 14385	Adjudication Event
AND Element: 13705 Transcatheter Va Reference Procedure Type Operator: Equal Value: TMVR				•	
Element: 13705 Transcatheter Va Reference Procedure Type Operator: Equal Value: TMVR				Value: Readmiss	
Reference Procedure Type Operator: Equal Value: TMVR					AND
Operator: Equal Value: TMVR					Transcatheter Valve Therap
Value: TMVR					e Procedure Type
				•	
Element: 13705 Transcatheter Va					
					Transcatheter Valve Therap
Reference Procedure Type					e Procedure Type
Operator: Equal Value: TMVr				•	

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR
Information Not Avail	lable		112000001866	ACC NCDR





Element: 14382	IV or Invasive Treatment Required	Technical Specification
Coding Instruction:	Indicate if the patient had signs and symptoms of heart failure that resulted in intravenous (e.g., diuretic or vasoactive therapy) or invasive (e.g., ultrafiltration, IABP, mechanical assistance) treatment for heart failure.	Code: 112000001867 Code System Name: ACC NCDR
Target Value:		Short Name: F_AJ_HFTreatment Missing Data: Report Harvested: Yes (TMVR, TMVrpr) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Single Unit of Measure: Default Value: Null
		Usual Range: Valid Range: Data Source: User Parent/Child Validation Element: 14385 Adjudication Event
		Operator: Equal Value: Readmission - Heart Failure Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal
		Value: TMVR Element: 13705 Transcatheter Valve Therapy Reference Procedure Type Operator: Equal Value: TMVr

Selection	Definition	Source	Code	Code System Name
No			100013073	ACC NCDR
Yes			100013072	ACC NCDR
Information Not Avai	lable		112000001866	ACC NCDR





Section: Follow-Up Tric	uspid Valve Re-Intervention	Parent: Follow-Up Event Info	ormation		
Element: 14408	Tricuspid Valve Reintervention Type		Technic	al Spe	cification
	In the two of the second		Code:	1120000	001868
Coding Instruction: Target Value:	Indicate the type of tricuspid valve re-intervention.		Code System Name:	ACC NC	DR
			Short Name:	F_AJ_T	/Reln
			Missing Data:	Report	
			Harvested:	Yes (TT	VP)
			Is Identifier:	No	
			Is Base Element:		
			Is Followup Element:	Yes	
			Data Type:	CD	
			Precision:		
			Selection Type:	Single	
			Unit of Measure:		
			Default Value:	Null	
			Usual Range:		
			Valid Range:		
			Data Source:	User	
					alidation
				djudicati	on Event
			Operator: Equal		
			Value: Reinterven		cuspid Valve
			•••••	AND	•••••
			Element: 13705 T Reference		
			Operator: Equal		
			Value: Tricuspid V	alve Pro	ocedure
Valve Reintervention Type - 1.	.3.6.1.4.1.19376.1.4.1.6.5.719				
	Definition S	ource		ode	Code System Nan
Surgical Replacement			11200000		ACC NCI
Surgical Repair			11200000	1871	ACC NCE
ranscatheter Replacement			11200000	1875	ACC NC

Surgical Repair	11200001871	ACC NCDR
Transcatheter Replacement	112000001875	ACC NCDR
Balloon Valvuloplasty	112000001469	ACC NCDR
Leaflet Clip Procedure	112000001778	ACC NCDR
Paravalvular Leak Closure	112000001916	ACC NCDR
Other Transcatheter	112000001873	ACC NCDR
Intervention		



Device Fracture

Device Migration

Paravalvular Leak

Device Thrombosis

Endocarditis

Valve Injury

Other

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112000001891

370512004

56819008

234184000

762610001

100000351

112000001839

ACC NCDR SNOMED CT

SNOMED CT

SNOMED CT

ACC NCDR

SNOMED CT

ACC NCDR

Section: Follow-Up Tric	uspid Valve Re-Intervention	Parent: Follow	-Up Event Information
Element: 14409	Tricuspid Valve Reintervention Primary Ind	ication	Technical Specification
Coding Instruction	Indicate the primary indication for the tricuspid valv	a raintanyantian	Code: 112000001825
Target Value:		e re-intervention.	Code System Name: ACC NCDR
ranget value.			Short Name: F_AJ_TVInd
			Missing Data: Report
			Harvested: Yes (TTVP)
			Is Identifier: No
			Is Base Element: No
			ls Followup _{Yes} Element:
			Data Type: CD
			Precision:
			Selection Type: Single
			Unit of Measure:
			Default Value: Null
			Usual Range:
			Valid Range:
			Data Source: User
			Parent/Child Validation
			Element: 14385 Adjudication Event
			Operator: Equal
			Value: Reintervention - Tricuspid Valve
			AND
			Element: 13705 Transcatheter Valve Therapy Reference Procedure Type
			Operator: Equal
			Value: Tricuspid Valve Procedure
alve Reintervention Indication	on - 1.3.6.1.4.1.19376.1.4.1.6.5.720		
	Definition	Source	Code Code System Na
egurgitation			40445007 SNOMED
tenosis			44241007 SNOMED
evice Embolization			112000001324 ACC NO





Section: Follow-Up Ir	cuspid Valve Re-Intervention	Parent: Follow-Up Event Inf	ormation		
Element: 14410	Tricuspid Valve Regurgitation		Techr	ical Spe	ecification
Cadina Instruction				e: 111287	
Target Value	 Indicate the severity of tricuspid valve regurgitation. N/A 		Code Syste Nam	m SNOME	DCT
ruigot valu			Short Nam	e: F_AJ_1	R
			Missing Dat	a: Report	
			Harveste	d: Yes (T	TVP)
			Is Identifie	r: No	
			Is Base Elemen	t: No	
			Is Followu Elemen		
			Data Typ	e: CD	
			Precisio	n:	
			Selection Typ	e: Single	
			Unit of Measur	e:	
			Default Valu	e: Null	
			Usual Rang	e:	
			Valid Rang		
			Data Sourc	e: User	
			Paren	t/Child	Validation
			Element: 14409 Primary	Tricuspic Indication	d Valve Reintervention
			Operator: Equal		
			Value: Regurgit	ation	
/alve Regurgitation Severity	- 1.3.6.1.4.1.19376.1.4.1.6.5.767				
Selection	Definition S	ource		Code	Code System Na
None			112000	001910	ACC NC

Selection	Deminion	Source	Coue	Code System Name
None			112000001910	ACC NCDR
Trace/Trivial			112000001911	ACC NCDR
Mild			11200000380	ACC NCDR
Moderate			11200000381	ACC NCDR
Severe			11200000382	ACC NCDR





Element: 11990	Follow-Up Medications Code	Technical Specification
Coding Instruction:	Indicate the assigned identification number associated with the medications the patient was prescribed or received.	Code: 100013057 Code System Name: ACC NCDR
Target Value:	Note(s): The medication(s) collected in this field are controlled by the Medication Master file. This file is maintained by the NCDR and will be made available on the internet for downloading and importing/updating into your application. Each medication in the Medication Master file is assigned to a value set. The value set is used to separate procedural medications from medications prescribed at discharge. The separation of these medications is depicted on the data collection form. N/A	Short Name: F_MedID Missing Data: Report Harvested: Yes (TAVR, TMVR, TMVrp TTVP) Is Identifier: No Is Base Element: No Is Followup Element: Yes Data Type: CD Precision: Selection Type: Single (Dynamic List) Unit of Measure: Default Value: Null Usual Range: Valid Range: Data Source: User

Follow-up Medication - 2.16.840.1.113883.3.3478.6.5.203

Selection	Definition	Source	Code	Code System Name
Angiotensin Convertin Enzyme Inhibitor	g		41549009	SNOMED CT
Aldosterone Antagoni	st		372603003	SNOMED CT
Direct thrombin inhibito	or		414010005	SNOMED CT
Warfarin			11289	RxNorm
Aspirin			1191	RxNorm
Angiotensin II Recepto	or Blocker		372913009	SNOMED CT
Beta Blocker			33252009	SNOMED CT
Diuretics Not Otherwis Specified	Se		112000001417	ACC NCDR
Loop Diuretics			29051009	SNOMED CT
Thiazides			372747003	SNOMED CT
Direct Factor Xa Inhibi	itor		11200000696	ACC NCDR
P2Y12 Antagonist			112000001003	ACC NCDR





Section: Follow-Up Med	ications Parent: Follow Up		
Element: 13696	Medications Prescribed	Technical	Specification
	Indicated if the medication is prescribed, not prescribed or is not prescribed for either a medica or patient reason	Code: 43 Code System Name:	2102000 IOMED CT
Target Value:	The value on Follow-up	Short Name: F_ Missing Data: Re Harvested: Ye	MedAdmin1
		Is Identifier: No Is Base Element: No Is Followup Element: Ye	es
		Data Type: Cl Precision: Selection Type: Si	
		Unit of Measure: Default Value: Nu Usual Range:	II
		Valid Range: Data Source: Us	
collow-Un Medication Admini	stration - 1.3.6.1.4.1.19376.1.4.1.6.5.371		ild Validation ow-Up Medications Code
•	lefinition Source	Cod	le Code System Na
lot Prescribed - Medical Reason		1000010	34 ACC NO
lot Prescribed - No Reason		1000010	
lot Prescribed - Patient Reason		1000010	
es - Prescribed		1000012	47 ACC NO Specification
-	Loop Diuretic Dose Specify the total daily dose of the loop diuretic that was prescribed to the patient.	Code: 11 Code System	2000001975 CC NCDR
Target Value:	The value on Follow-up	Name:	JMed_LoopDiureticDose
		Is Identifier: No Is Base Element: No	
		Is Followup Element: Data Type: PC	
		Precision: 3, Selection Type: Si Unit of Measure: m	0 ngle
		Default Value: No	•
		Usual Range: 1	- 40 mg
		Usual Range: 1 Valid Range: 1 Data Source: Us	- 40 mg - 300 mg ser
		Usual Range: 1 Valid Range: 1 Data Source: Us Parent/Ch Element: 11990 Foll Operator: Equal	- 40 mg - 300 mg ser ild Validation ow-Up Medications Code
		Usual Range: 1 Valid Range: 1 Data Source: Us Parent/Ch Element: 11990 Foll	- 40 mg - 300 mg ser ild Validation ow-Up Medications Code s AND





Element: 1000	Participant ID	Technic	al Specification
Coding Instruction:	Indicate the participant ID of the submitting facility.	Code:	2.16.840.1.113883.3.3478.4.83
-		Code System Name:	ACC NCDR
Target Value:	N/A	Short Name:	
		Missing Data:	
		Harvested:	Yes (BDS, TAVR, TMVR,
			TMVrpr, TTVP)
		Is Identifier: Is Base Element:	
		Is Base Element: Is Followup	
		Element:	Yes
		Data Type:	NUM
		Precision:	
		Selection Type:	Single
		Unit of Measure: Default Value:	Null
		Usual Range:	INUI
		Valid Range:	1 - 999,999
		Data Source:	
Element: 1010	Participant Name	Technic	al Specification
	·	Code:	2.16.840.1.113883.3.3478.4.8
Coding Instruction:	Indicate the full name of the facility where the procedure was performed.	Code System Name:	
	Note(s):		
	Values should be full, official hospital names with no abbreviations or variations in spelling.	Short Name:	
Target Value:	N/A	Missing Data: Harvested:	Yes (BDS, TAVR, TMVR,
		Tial vesteu.	TMVrpr, TTVP)
		Is Identifier:	No
		Is Base Element:	
		Is Followup Element:	Yes
		Data Type:	ST
		Precision:	
		Selection Type:	
		Unit of Measure:	
		Default Value:	Null
		Usual Range:	
		Valid Range:	Automotio
		Data Source:	Automatic
		Testals	
Element: 1020	Time Frame of Data Submission		al Specification 1.3.6.1.4.1.19376.1.4.1.6.5.45
			1.3.0.1.4.1.19370.1.4.1.0.3.43
Coding Instruction:	Indicate the time frame of data included in the data submission. Format: YYYYQQ. e.g.,2016Q1	Code System	
-		Code System Name:	
Coding Instruction: Target Value:		Code System Name: Short Name:	ACC NCDR
-			ACC NCDR Timeframe
-		Short Name: Missing Data: Harvested:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
-		Short Name: Missing Data: Harvested: Is Identifier:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No
-		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes
-		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes
-		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes Yes
-		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes Yes ST
-		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes Yes ST 6
-		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes Yes ST 6 Single
-		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure: Default Value:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes Yes ST 6 Single
-		Short Name: Missing Data: Harvested: Is Identifier: Is Base Element: Is Followup Element: Data Type: Precision: Selection Type: Unit of Measure:	ACC NCDR Timeframe Illegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP) No Yes Yes ST 6 Single





Section: Administration	Parent: Root		
Element: 1040	Transmission Number	Technic	al Specification
Coding Instruction:	This is a unique number created, and automatically inserted by the software into export file. It identifies the number of times the software has created a data submission file. The transmission number should be incremented by one every time the data submission files are exported. The transmission number should never be repeated.	Code System Name: Short Name:	Xmsnld
Target Value:	N/A	Missing Data: Harvested: Is Identifier:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Base Element: Is Followup Element:	Yes
		Data Type: Precision: Selection Type:	9
		Unit of Measure: Default Value: Usual Range:	Null
		Valid Range: Data Source:	1 - 999,999,999 Automatic
Element: 1050	Vendor Identifier	Technic	al Specification
Coding Instruction:	Vendor identification (agreed upon by mutual selection between the vendor and the NCDR) to identify software vendor. This is entered into the schema automatically by vendor software. Vendors must use consistent name identification across sites. Changes to vendor name identification must be approved by the NCDR.	Code: Code System Name: Short Name:	
Target Value:		Missing Data: Harvested: Is Identifier:	Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Base Element: Is Base Element: Is Followup Element:	Yes
		Data Type: Precision: Selection Type:	ST 15
		Unit of Measure: Default Value: Usual Range:	Null
		Valid Range: Data Source:	Automatic
Element: 1060	Vendor Software Version		al Specification
Coding Instruction:	Vendor's software product name and version number identifying the software which created this record (assigned by vendor). Vendor controls the value in this field. This is entered into the schema automatically by vendor software.	Code: Code System Name: Short Name:	
Target Value:	N/A	Missing Data:	
		Is Identifier: Is Base Element: Is Followup Element:	Yes
		Data Type: Precision:	ST 20
		Selection Type: Unit of Measure: Default Value: Usual Range:	-
		Valid Range: Data Source:	



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Section: Administration	Parent: Root		
lement: 1070	Registry Identifier	Technic	al Specification
Coding Instruction:	The NCDR registry identifier describes the data registry to which these records apply. It is implemented in the software at the time the data is collected and records are created. This is entered into the schema automatically by software.	Code System Name:	
Target Value:	N/A	Short Name: Missing Data: Harvested:	lllegal Yes (BDS, TAVR, TMVR,
		Is Identifier: Is Base Element:	
		Is Followup Element: Data Type:	163
		Precision: Selection Type: Unit of Measure:	30
			ACC-NCDR-TVT-3.0
		Data Source:	Automatic
lement: 1071	Registry Schema Version		al Specification
Coding Instruction:	Schema version describes the version number of the Registry Transmission Document (RTD) schema to which each record conforms. It is an attribute that includes a constant value indicating the version of schema file. This is entered into the schema automatically by	Code System Name:	1000142438 ACC NCDR SchemaVersion
Target Value:	software. N/A	Missing Data: Harvested:	lllegal Yes (BDS, TAVR, TMVR, TMVrpr, TTVP)
		Is Identifier: Is Base Element: Is Followup	Yes
		Element: Data Type: Precision:	NUM
		Selection Type: Unit of Measure: Default Value:	Single
		Usual Range: Valid Range:	
		Data Source:	Automatic
lement: 1085	Submission Type		al Specification
Coding Instruction:	Indicate if the data contained in the harvest/data file contains either standard patient episode of care records (arrival date to discharge only) or if it contains patient follow-up records.	Code: Code System Name:	1000142423 ACC NCDR
	A transmission file with all episode of care records (from Arrival to Discharge only) is considered a 'Base Registry Record'.	Missing Data:	SubmissionType Illegal Yes (BDS, TAVR, TMVR,
	A file with patient follow-up records (any follow-up assessments performed during the quarter selected) is considered a 'Follow-Up Record'.	Is Identifier: Is Base Element:	TMVrpr, TTVP) No
	Note(s): Selecting 'Follow-Up Records Only' will transmit all patient records with Follow-up Assessment Dates (Element Ref# 11000) contained in the selected timeframe, regardless of the procedure or discharge date. For example, if a patient has a procedure on 3/30/2017, is discharged on 3/31/2017, and has a follow-up assessment on 5/6/2017, the patient's episode of care data	Is Followup Element: Data Type: Precision: Selection Type:	Yes CD
	will be transmitted in the 2017Q1 Base Registry Record file, but the Follow-up data will be	ociccitori Type.	Single
Target Value:	will be transmitted in the 2017Q1 Base Registry Record file, but the Follow-up data will be transmitted in the 2017Q2 Follow-Up File. N/A	Unit of Measure: Default Value: Usual Range:	-

Selection	Definition	Source	Code	Code System Name
Episode of Care Rec	cords Only		1000142424	ACC NCDR
Follow-Up Records (Only		1000142425	ACC NCDR



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Value Set Member Constraints	
Element: 12903 Value Set Name: Condition History Name	Condition History Name OID: 1.3.6.1.4.1.19376.1.4.1.6.5.340
Selections	Selection Dependency
Atrial Fibrillation 49436004, Atrial Flutter 5370000, Cardiomyopathy 85898001, Carotid Artery Stenosis 64586002, Cerebrovascular Accident 230690007, Cerebrovascular Disease 62914000, Chronic Lung Disease 413839001, COVID-19 Positive 112000001982, Dementia - Moderate to Severe 112000001493, Diabetes Mellitus 73211009, Endocarditis 56819008, Heart Failure 84114007, Hostile Chest 112000001489, Hypertension 38341003, Liver Disease 235856003, Myocardial Infarction 22298006, Peripheral Arterial Disease 399957001, Porcelain Aorta 11200001175, Transient Ischemic Attack (TIA) 266257000	TVT Pathway (13171) IN (TMVr)
Element: 12903	Condition History Name
Value Set Name: Condition History Name	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.340
Selections	Selection Dependency
Atrial Fibrillation 49436004, Atrial Flutter 5370000, Carotid Artery Stenosis 64586002, Cerebrovascular Accident 230690007, Cerebrovascular Disease 62914000, Chronic Lung Disease 413839001, Conduction Defect 44808001, COVID-19 Positive 112000001982, Dementia - Moderate to Severe 112000001493, Diabetes Mellitus 73211009, Endocarditis 56819008, Heart Failure 84114007, Hostile Chest 11200001489, Hypertension 38341003, Liver Disease 235856003, Myocardial Infarction 22298006, Peripheral Arterial Disease 399957001, Porcelain Aorta 11200001175, Transient Ischemic Attack (TIA) 266257000	TVT Pathway (13171) IN (TAVR)
Element: 12903	Condition History Name
Value Set Name: Condition History Name	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.340
Selections	Selection Dependency
Atrial Fibrillation 49436004, Atrial Flutter 5370000, Cardiomyopathy 85898001, Carotid Artery Stenosis 64586002, Cerebrovascular Accident 230690007, Cerebrovascular Disease 62914000, Chronic Lung Disease 413839001, COVID-19 Positive 112000001982, Dementia - Moderate to Severe 112000001493, Diabetes Mellitus 73211009, Endocarditis 56819008, Heart Failure 84114007, Hostile Chest 112000001489, Hypertension 38341003, Liver Disease 235856003, Myocardial Infarction 22298006, Peripheral Arterial Disease 399957001, Porcelain Aorta 11200001175, Transient Ischemic Attack (TIA) 266257000	TVT Pathway (13171) IN (TMVR)
Element: 12903 Value Set Name: Condition History Name	Condition History Name OID: 1.3.6.1.4.1.19376.1.4.1.6.5.340
Selections	Selection Dependency
Atrial Fibrillation 49436004, Atrial Flutter 5370000, Cardiomyopathy 85898001, Carotid Artery Stenosis 64586002, Cerebrovascular Accident 230690007, Cerebrovascular Disease 62914000, Chronic Lung Disease 413839001, Conduction Defect 44808001, COVID-19 Positive 112000001982, Dementia - Moderate to Severe 112000001493, Diabetes Mellitus 73211009, Endocarditis 56819008, Heart Failure 84114007, Hostile Chest 112000001489, Hypertension 38341003, Liver Disease 235856003, Myocardial Infarction 22298006, Peripheral Arterial Disease 399957001, Porcelain Aorta 112000001175, Transient Ischemic Attack (TIA) 266257000	TVT Pathway (13171) IN (Tricuspid Valve Procedure)
Element: 12905	Procedure History Name
Value Set Name: Procedure History Name	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.341
Selections	Selection Dependency
Aortic Valve Procedure 112000001755, Aortic Valve Repair Surgery 112816004, Aortic Valve Replacement Surgery 725351001, Aortic Valve Replacement - Transcatheter 41873006, Coronary Artery Bypass Graft 232717009, Implantable Cardioverter Defibrillator 447365002, Mitral Valve Procedure 112000001940, Mitral Valve Annuloplasty Ring Surgery 322744004, Mitral Valve Repair Surgery 384641003, Mitral Valve Replacement Surgery 53059001, Mitral Valve Transcatheter Intervention 112000001773, PCI 415070008, Permanent Pacemaker 449397007, Pulmonic Valve Procedure 11200001769, Tricuspid Valve Procedure 112000001941	TVT Pathway (13171) IN (TMVr)
Element: 12905 Value Set Name: Procedure History Name	Procedure History Name OID: 1.3.6.1.4.1.19376.1.4.1.6.5.341
Selections	Selection Dependency
Aortic Valve Procedure 112000001755, Aortic Valve Balloon Valvuloplasty 77166000, Aortic Valve Repair Surgery 112816004, Aortic Valve Replacement Surgery 725351001, Aortic Valve Replacement - Transcatheter 41873006, Aortic Valve Transcatheter Intervention 112000001768, Coronary Artery Bypass Graft 232717009, Implantable Cardioverter Defibrillator 447365002, Mitral Valve Procedure 112000001940, Mitral Valve Annuloplasty Ring Surgery 232744004, Mitral Valve Repair Surgery 384641003, Mitral	TVT Pathway (13171) IN (TAVR)





Valve Replacement Surgery | 53059001, Mitral Valve Transcatheter Intervention | 112000001773, PCI | 415070008, Permanent Pacemaker | 449397007, Pulmonic Valve Procedure | 112000001769, Tricuspid Valve Procedure | 112000001941

Element: 12905 Value Set Name: Procedure History Name	Procedure History Name OID: 1.3.6.1.4.1.19376.1.4.1.6.5.341
Selections	Selection Dependency
Aortic Valve Procedure 112000001755, Aortic Valve Repair Surgery 112816004, Aortic Valve Replacement Surgery 725351001, Aortic Valve Replacement - Transcatheter 41873006, Coronary Artery Bypass Graft 232717009, Implantable Cardioverter Defibrillator 447365002, Mitral Valve Procedure 112000001940, Mitral Valve Annuloplasty Ring Surgery 232744004, Mitral Valve Repair Surgery 384641003, Mitral Valve Replacement Surgery 53059001, Mitral Valve Transcatheter Intervention 11200001773, PCI 415070008, Permanent Pacemaker 449397007, Pulmonic Valve Procedure 11200001769, Tricuspid Valve Procedure 11200001941	
Element: 12905 Value Set Name: Procedure History Name	Procedure History Name OID: 1.3.6.1.4.1.19376.1.4.1.6.5.341
Selections	Selection Dependency
Aortic Valve Procedure 112000001755, Aortic Valve Repair Surgery 112816004, Aortic Valve Replacement Surgery 725351001, Aortic Valve Replacement - Transcatheter 41873006, Coronary Artery Bypass Graft 232717009, Implantable Cardioverter Defibrillator 447365002, Mitral Valve Procedure 112000001940, Mitral Valve Annuloplasty Ring Surgery 232744004, Mitral Valve Repair Surgery 384641003, Mitral Valve Replacement Surgery 35059001, Mitral Valve Transcatheter Intervention 112000001773, PCI 415070008, Permanent Pacemaker 449397007, Pulmonic Valve Procedure 112000001769, Tricuspid Valve Replacement Surgery 25236004, Tricuspid Valve Replacement - Transcatheter 112000001977, Tricuspid Valve Transcatheter Intervention 112000001779	TVT Pathway (13171) IN (Tricuspid Valve Procedure)
Element: 14335 Value Set Name: TVT Procedure History Devices	Surgical Aortic Valve Replacement Implant ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.747
Selections	Selection Dependency
Carpentier-Edwards Porcine Aortic Bioprosthesis 4335, ATS 3f Aortic Bioprosthesis 4375, ATS 3f Enable Aortic Bioprosthesis 4376, Contegra Unsupported Pulmonary Valve Conduit 4379, Mosaic Ultra Porcine Aortic Bioprosthesis 4380, Freestyle Complete Subcoronary Aortic Bioprostheses 4391, Freestyle Modified Subcoronary Aortic Bioprostheses 4392, Freestyle Full Root Aortic Bioprosthesis 4393, Hancock II Aortic Bioprostheses 4392, Freestyle Full Root Aortic Bioprosthesis 4398, Hancock II Mitral Bioprosthesis 4397, Prima Aortic Stentless Bioprosthesis 4398, Carpentier-Edwards Pays, Prima Plus Stentless Aortic Bioprosthesis 4399, Carpentier-Edwards S.A.V. Aortic Porcine Bioprosthesis 4400, Carpentier-Edwards Perimount Pericardial Aortic Bioprosthesis 4401, Carpentier-Edwards Perimount Theon Pericardial Aortic Bioprosthesis 4403, Carpentier-Edwards Perimount RSR Pericardial Aortic Bioprosthesis 4403, Carpentier-Edwards Perimount RSR Pericardial Aortic Bioprosthesis 4403, Carpentier-Edwards Perimount Magna Pericardial Aortic Bioprosthesis 4405, Carpentier-Edwards Perimount Magna Pericardial Aortic Bioprosthesis with ThermaFix Process 4406, Carpentier-Edwards Perimount Magna Pericardial Aortic Bioprosthesis with ThermaFix Process 4404, Carpentier-Edwards Perimount Magna Pericardial Aortic Bioprosthesis with ThermaFix Process 4406, Carpentier-Edwards Perimount Magna Pericardial Aortic Bioprosthesis with ThermaFix Process 4407, Carpentier-Edwards Bioprosthesis 4435, CardioGRAFT Aortic Bioprosthesis 4437, CardioGRAFT Aortic Bioprosthesis 4438, CardioGRAFT Aortic Bioprosthesis 4438, CardioGRAFT Aortic Bioprothesis 4439, CardioGRAFT Pulmonary Bioprosthesis 4438, CardioGRAFT Pulmonary Bioprosthesis 4448, Soprano Armonia 4449, Freedom Sol 4450, Biocor Aortic Valve 4452, Biocor Aortic Valve 4453, Biocor Mitral Valve 4455, Trifecta Stented Valve 4458, Biocor Stented Mitral Valve 4458, Biocor Porcine Aortic Valve 4460, Biocor Supra Aortic Stented Valve 44	

Value Set Name: TVT Procedure History Devices

Transcatheter Aortic Valve Replacement Implant ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.747

Selection Dependency

SAPIEN 3 Ultra | 4341, Sapien | 4356, Sapien XT | 4368, CoreValve Evolut R | 4503, SAPIEN 3 | TVT Pathway (13171) IN (TAVR) 4507, Evolut PRO | 4521, Lotus Edge | 4533, Evolut Pro Plus | 4534, SAPIEN 3 (research study device) | 4538, CoreValve Evolut R (research study device) | 4539, CoreValve Evolut PRO

Selections





(research study device) | 4540, Evolut FX | 5156, Portico Transcatheter Heart Valve | 5164, Portico Transcatheter Heart Valve | 5165, Portico Transcatheter Heart Valve | 5162, Portico Transcatheter Heart Valve | 5163, Portico | 5281, CoreValve Evolut | 5285, CoreValve | 5286, Sapien 3 Ultra Resilia | 5303

Element: 14455 Value Set Name: TVT Procedure History Devices	Mitral Ring or Band Implant ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.747
Selections Simulus FLX-O Ring 4339, Simulus FLX-C Band 4369, Simulus Semi-rigid Mitral	Selection Dependency TVT Pathway (13171) IN (TMVR)
Annuloplasty Ring 4370, Simulus Adjustable Annuloplasty Ring 4371, Simulus Adjustable Annuloplasty Band 4372, Simulus Semi-Rigid Annulplasty Ring 4373, TriAd Tricuspid Annuloplasty Ring 4374, Duran Band 4382, Duran Ring 4383, Duran AnCore Band With Chordal Guide 4384, Duran AnCore Ring With Chordal Guide 4386, CG Future Annuloplasty Ring 4388, Profile 3D Annuloplasty Ring 4389, Contour 3D Annuloplasty Ring 4390, Carpentier-McCarthy-Adams IMR ETlogix Mitral Annuloplasty Ring 4408, GeoForm Annuloplasty Ring 4409, Carpentier-Edwards Classic Annuloplasty Ring 4411, Carpentier- Edwards Classic Annuloplasty Ring with Duraflo Treatment 4412, Carpentier-Edwards Physio Annuloplasty Ring 4413, Carpentier-Edwards Physio Annuloplasty Ring 4413, Carpentier-Edwards Classic Annuloplasty Ring with Duraflo Treatment 4412, Carpentier-Edwards Ring 4417, Cosgrove-Edwards Annuloplasty Ring 4415, Carpentier-Edwards Ring 4417, Cosgrove-Edwards Annuloplasty Ring 4416, Cosgrove-Edwards Annuloplasty Ring 4417, Cosgrove-Edwards Annuloplasty Ring 4420, Carpentier-Edwards Physio II Annuloplasty Ring 4422, Carpentier-Edwards Physio Annuloplasty Ring 4423, Sovering Mitral Band 4441, MEMO 3D Semi-rigid Annuloplasty Ring 4422, Carbomedics AnnuloFlex Annuloplasty Ring 4420, Carbomedics AnnuloFlo Annuloplasty System 4447, Attune Flexible Adjustable Annuloplasty Ring 4451, Rigid Saddle Ring 4470, Seguin Semi-Rigid Annuloplasty Ring 4471, Seguin Annuloplasty Ring with Silzone Coating 4472, Tailor Flexible Annuloplasty Ring 4473, Tailor Annuloplasty Ring with Silzone Coating 4474, Tailor Flexible Annuloplasty Ring 4475, CG Future Annuloplasty Band 4587	
Element: 14241 Value Set Name: Mitral Valve Replacement Type	Mitral Valve Replacement Type OID: 1.3.6.1.4.1.19376.1.4.1.6.5.734
Selections	Selection Dependency
Stented 112000001758, Stentless 112000001760	TVT Pathway (13171) IN (TMVR)
Element: 14241 Value Set Name: Mitral Valve Replacement Type	Mitral Valve Replacement Type OID: 1.3.6.1.4.1.19376.1.4.1.6.5.734
Selections	Selection Dependency
Mechanical 705991002, Stented 112000001758, Stentless 112000001760	TVT Pathway (13171) IN (TAVR)
Element: 14334 Value Set Name: TVT Procedure History Devices	Surgical Mitral Valve Replacement Implant ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.747
Selections	Selection Dependency
Epic Mitral Valve 4337, Contegra Unsupported Pulmonary Valve Conduit 4378, Contegra Supported Pulmonary Valve Conduit 4379, Mosaic Ultra Porcine Aortic Bioprosthesis 4380, Mosaic Mitral Bioprosthesis 4381, Hancock II Mitral Bioprosthesis 4397, Carpentier-Edwards Perimount Magna Ease Pericardial Aortic Bioprosthesis with ThermaFix Process 4407, Carpentier-Edwards Bioprosthesis 4424, Carpentier-Edwards Duraflex Low Pressure Porcine Bioprosthesis 4424, Carpentier-Edwards Duraflex Low Pressure Porcine Bioprosthesis 4426, Carpentier-Edwards Duraflex Low Pressure Porcine Bioprosthesis 4426, Carpentier-Edwards PERIMOUNT Plus Mitral Bioprosthesis 4427, Carpentier-Edwards PERIMOUNT Plus Mitral Bioprosthesis 4428, Carpentier-Edwards PERIMOUNT Magna Mitral Bioprosthesis 4428, Carpentier-Edwards PERIMOUNT Magna Mitral Bioprosthesis with ThermaFix Process 4428, Carpentier-Edwards PERIMOUNT Magna Mitral Bioprosthesis with Carpentier-Edwards PERIMOUNT Magna Mitral Ease Bioprosthesis with Carpentier-Edwards ThermaFix Process 4430, Carpentier-Edwards ThermaFix Process 4431, Biocor Mitral Valve 4454, Biocor Mitral Valve 4455, Biocor Stented Mitral Valve 4458, Biocor Mitral Valve 4454, Epic Mitral Stented Tissue Valve 4464, Epic Porcine Mitral Valve with Silzone Coating 4467, Homograft valve (manufacturer not specified) 4480	
Element: 14510	Transcatheter Mitral Valve Replacement Implant ID
Value Set Name: TVT Procedure History Devices	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.747
Selections	Selection Dependency
SAPIEN 3 Ultra 4341, Sapien 4356, Sapien XT 4368, Melody Transcatheter Pulmonary Valve 4394, CoreValve Evolut R 4503, SAPIEN 3 4507, Evolut PRO 4521, Evolut Pro Plus 4534, Evolut FX 5156	TVT Pathway (13171) IN (TMVR)
Element: 14298 Value Set Name: TVT Procedure History Devices	Surgical Tricuspid Valve Replacement Implant ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.747
	Effective for Patient Discharged January 01





Value Set Member Constraints	
Selections	Selection Dependency
Carpentier-Edwards Porcine Aortic Bioprosthesis 4335, Mosaic Ultra Porcine Aortic Bioprosthesis 4380, Mosaic Mitral Bioprosthesis 4381, Melody Transcatheter Pulmonary Valve 4394, Hancock II Aortic Bioprosthesis 4395, Hancock II Ultra Aortic Bioprosthesis 4396, Hancock II Mitral Bioprosthesis 4397, Carpentier-Edwards Perimount Pericardial Aortic Bioprosthesis 4401, Carpentier-Edwards Perimount Magna Pericardial Aortic Bioprosthesis 4405, Carpentier-Edwards Perimount Magna Ease Pericardial Aortic Bioprosthesis with ThermaFix Process 4407, Carpentier-Edwards Bioprosthetic Pulmonic Valved Conduit 4410, Carpentier-Edwards Classic Annuloplasty Ring with Duraflo Treatment 4416, Carpentier-Edwards Porcine Mitral Bioprosthesis 4424, Carpentier-Edwards PERIMOUNT Plus Mitral Bioprosthesis 4427, Carpentier-Edwards PERIMOUNT Theon Mitral Bioprosthesis with ThermaFix Process 4427, Carpentier-Edwards PERIMOUNT Magna Mitral Bioprosthesis with Carpentier-Edwards ThermaFix Process 4429, Carpentier-Edwards PERIMOUNT Magna Mitral Ease Pericardial Bioprosthesis with Carpentier-Edwards ThermaFix Process 4431, Biocor Stented Mitral Valve 4458, Biocor Porcine Stentless Aortic Valve 4459, Epic Aortic Stented Tissue Valve 4463, Epic Mitral Stented Tissue Valve 4464, Epic Aortic Valve 4465, Inspiris Resilia 4592	5
Element: 14301 Value Set Name: TVT Procedure History Devices	Transcatheter Tricuspid Valve Replacement Implant ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.747
Selections	Selection Dependency
SAPIEN 3 Ultra 4341, Sapien XT 4368, Melody Transcatheter Pulmonary Valve 4394, SAPIEN 3 4507, Evolut Pro Plus 4534	TVT Pathway (13171) IN (Tricuspid Valve Procedure)
Element: 14273 Value Set Name: Transcatheter Valve Therapy Procedure	Transcatheter Valve Therapy Procedure Type OID: 1.3.6.1.4.1.19376.1.4.1.6.5.695
Selections	Selection Dependency
TAVR 41873006	TVT Pathway (13171) IN (TAVR)
Element: 14273 Value Set Name: Transcatheter Valve Therapy Procedure	Transcatheter Valve Therapy Procedure Type OID: 1.3.6.1.4.1.19376.1.4.1.6.5.695
Selections	Selection Dependency
TMVR 112000001458	TVT Pathway (13171) IN (TMVR)
Element: 14273 Value Set Name: Transcatheter Valve Therapy Procedure	Transcatheter Valve Therapy Procedure Type OID: 1.3.6.1.4.1.19376.1.4.1.6.5.695
Selections	Selection Dependency
Tricuspid Valve Procedure 112000001977	TVT Pathway (13171) IN (Tricuspid Valve Procedure)
Element: 14273 Value Set Name: Transcatheter Valve Therapy Procedure	Transcatheter Valve Therapy Procedure Type OID: 1.3.6.1.4.1.19376.1.4.1.6.5.695
Selections	Selection Dependency
TMVr 112000001801	TVT Pathway (13171) IN (TMVr)
Element: 13506 Value Set Name: Transcatheter Valve Therapy Procedure Aborted Reasons	Reason for Aborting Procedure OID: 1.3.6.1.4.1.19376.1.4.1.6.5.554
Selections	Selection Dependency
Access Related 112000001460, Navigation Issue After Successful Access 112000001461, New Clinical Findings 112000001462, Device or Delivery System Malfunction 112000001463, Patient Clinical Status 112000001464, Consent Issue 112000001465, Transseptal Access Related 112000001466, System Issue 112000001467, Other 100000351	Transcatheter Valve Therapy Procedure Type (14273) IN (TMVr, TMVR)
Element: 13506	Reason for Aborting Procedure
Value Set Name: Transcatheter Valve Therapy Procedure Aborted Reasons	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.554
Selections Access Related 112000001460, Navigation Issue After Successful Access	Selection Dependency Transcatheter Valve Therapy Procedure Type (14273) IN (TAVR, Tricuspid Valve
112000001461, New Clinical Findings 112000001462, Device or Delivery System Malfunction 112000001463, Patient Clinical Status 112000001464, Consent Issue 112000001465, System Issue 11200001467, Other 100000351	Procedure)
Element: 13543 Value Set Name: Reason for Conversion to Open Heart Surgery	Reason for Conversion to Open Heart Surgery OID: 1.3.6.1.4.1.19376.1.4.1.6.5.513
Selections	Selection Dependency
Access Related 112000001460, Cardiac Tamponade 35304003, Inability to Position Device 112000001479, Device Embolization 112000001324, Valve Injury 762610001, Other 100000351	Transcatheter Valve Therapy Procedure Type (14273) IN (TMVr)





Reason for Conversion to Open Heart Surgery Element: 13543 OID: 1.3.6.1.4.1.19376.1.4.1.6.5.513 Value Set Name: Reason for Conversion to Open Heart Surgery Selections Selection Dependency Valve Dislodged to Aorta | 112000001328, Valve Dislodged to Left Ventricle | 112000001329, Transcatheter Valve Therapy Procedure Type (14273) IN (TAVR, TMVR, Tricuspid Valve Annulus Rupture | 112000001331, Ventricular Rupture | 112000001330, Aortic Dissection | Procedure) 308546005, Coronary Occlusion | 63739005, Access Related | 112000001460, Cardiac Tamponade | 35304003, Inability to Position Device | 112000001479, Device Embolization | 112000001324, Valve Injury | 762610001, Other | 100000351 Element: 14485 Transcatheter Aortic Valve Replacement Device ID Value Set Name: TVT Procedure Devices OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746 Selection Dependency Selections Sapien XT | 4368, CoreValve Evolut R | 4503, SAPIEN 3 | 4507, Evolut PRO | 4521, Evolut Pro Patient Enrolled in Research Study (3020) IN (No (or Not Answered)) AND Transcatheter Plus | 4534, Evolut FX | 5156, Portico Transcatheter Heart Valve | 5162, Portico Transcatheter Valve Therapy Procedure Type (14273) IN (TAVR) Heart Valve | 5163, Portico Transcatheter Heart Valve | 5164, Portico Transcatheter Heart Valve | 5165, Portico | 5281, Sapien 3 Ultra Resilia | 5303, SAPIEN 3 Ultra | 4341 Transcatheter Aortic Valve Replacement Device ID Element: 14485 Value Set Name: TVT Procedure Devices OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746 Selections Selection Dependency Sapien XT | 4368, CoreValve Evolut R | 4503, SAPIEN 3 | 4507, Evolut PRO | 4521, Evolut Pro Patient Enrolled in Research Study (3020) IN (Yes) AND Transcatheter Valve Therapy Plus | 4534, Evolut FX | 5156, Portico Transcatheter Heart Valve | 5162, Portico Transcatheter Procedure Type (14273) IN (TAVR) Heart Valve | 5163, Portico Transcatheter Heart Valve | 5164, Portico Transcatheter Heart Valve | 5165, Portico | 5281, Sapien 3 Ultra Resilia | 5303, SAPIEN 3 Ultra | 4341 Steerable Guide Cath Device ID Element: 13795 Value Set Name: TVT Procedure Devices OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746 Selections Selection Dependency Gen 3 Steerable Guide Catheter | 4342, Gen 4 Steerable Guide Catheter | 4553, Gen 4 Patient Enrolled in Research Study (3020) IN (Yes) AND Transcatheter Valve Therapy Steerable Guide Catheter | 5297 Procedure Type (14273) IN (TMVr) Element: 13795 Steerable Guide Cath Device ID Value Set Name: TVT Procedure Devices OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746 Selections Selection Dependency Gen 3 Steerable Guide Catheter | 4342, Gen 4 Steerable Guide Catheter | 4553, Gen 4 Patient Enrolled in Research Study (3020) IN (No (or Not Answered)) AND Transcatheter Steerable Guide Catheter | 5297 Valve Therapy Procedure Type (14273) IN (TMVr) Element: 13797 Mitral Repair Device ID Value Set Name: TVT Procedure Devices OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746 Selections Selection Dependency MitraClip NTR Clip Delivery System | 4541, MitraClip XTR Clip Delivery System | 4542, MitraClip Patient Enrolled in Research Study (3020) IN (Yes) AND Transcatheter Valve Therapy G4 Clip Delivery System NTW | 4544, MitraClip G4 Clip Delivery System XT | 4545, MitraClip G4 Procedure Type (14273) IN (TMVr) Delivery System XTW | 4546, MitraClip G4 Clip Delivery System NT | 5151, MitraClip G4 Clip Delivery System NT | 5298, MitraClip G4 Clip Delivery System NTW | 5299, MitraClip G4 Clip Delivery System XT | 5300, MitraClip G4 Clip Delivery System XTW | 5302, PASCAL Precision System - Implant System | 5306, PASCAL Precision System - PASCAL Ace Implant System | 5307, PASCAL Precision System - Implant System | 5310, PASCAL Precision System -PASCAL Ace Implant System | 5311 Element: 13797 Mitral Repair Device ID Value Set Name: TVT Procedure Devices OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746 Selections Selection Dependency MitraClip NTR Clip Delivery System | 4541, MitraClip XTR Clip Delivery System | 4542, MitraClip Patient Enrolled in Research Study (3020) IN (No (or Not Answered)) AND Transcatheter G4 Clip Delivery System NTW | 4544, MitraClip G4 Clip Delivery System XT | 4545, MitraClip G4 Valve Therapy Procedure Type (14273) IN (TMVr) Delivery System XTW | 4546, MitraClip G4 Clip Delivery System NT | 5151, MitraClip G4 Clip Delivery System NT | 5298, MitraClip G4 Clip Delivery System NTW | 5299, MitraClip G4 Clip Delivery System XT | 5300, MitraClip G4 Clip Delivery System XTW | 5302, PASCAL Precision System - Implant System | 5306, PASCAL Precision System - PASCAL Ace Implant System | 5307, PASCAL Precision System - Implant System | 5310, PASCAL Precision System -PASCAL Ace Implant System | 5311 Element: 14484 Transcatheter Mitral Valve Replacement Device ID Value Set Name: TVT Procedure Devices OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746 Selections Selection Dependency Sapien XT | 4368, CoreValve Evolut R | 4503, SAPIEN 3 | 4507, Evolut PRO | 4521, Evolut Pro Patient Enrolled in Research Study (3020) IN (No (or Not Answered)) AND Transcatheter Plus | 4534, Evolut FX | 5156, SAPIEN 3 Ultra | 4341 Valve Therapy Procedure Type (14273) IN (TMVR)





Element: 14484 Value Set Name: TVT Procedure Devices	Transcatheter Mitral Valve Replacement Device ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746
Selections Sapien XT 4368, CoreValve Evolut R 4503, SAPIEN 3 4507, Evolut PRO 4521, Evolut Pro Plus 4534, Evolut FX 5156, SAPIEN 3 Ultra 4341	Selection Dependency Patient Enrolled in Research Study (3020) IN (Yes) AND Transcatheter Valve Therapy Procedure Type (14273) IN (TMVR)
Element: 14483 Value Set Name: TVT Procedure Devices	Transcatheter Tricuspid Valve Device ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746
Selections	Selection Dependency
Sapien XT 4368, Melody Transcatheter Pulmonary Valve 4394, SAPIEN 3 4507, Evolut Pro Plus 4534, MitraClip NTR Clip Delivery System 4541, MitraClip XTR Clip Delivery System 4542, MitraClip G4 Clip Delivery System NTW 4544, MitraClip G4 Clip Delivery System XT 4545, MitraClip G4 Delivery System XTW 4546, MitraClip G4 Clip Delivery System NT 5151, PASCAL Precision System - Implant System 5306, PASCAL Precision System - PASCAL Ace Implant System 5307, PASCAL Precision System - Implant System 5310, PASCAL Precision System - PASCAL Ace Implant System 5311, SAPIEN 3 Ultra 4341	Patient Enrolled in Research Study (3020) IN (No (or Not Answered)) AND Transcatheter Valve Therapy Procedure Type (14273) IN (Tricuspid Valve Procedure)
Element: 14483 Value Set Name: TVT Procedure Devices	Transcatheter Tricuspid Valve Device ID OID: 1.3.6.1.4.1.19376.1.4.1.6.5.746
Selections	Selection Dependency
Sapien XT 4368, Melody Transcatheter Pulmonary Valve 4394, SAPIEN 3 4507, Evolut Pro Plus 4534, MitraClip NTR Clip Delivery System 4541, MitraClip XTR Clip Delivery System 4542, MitraClip G4 Clip Delivery System NTW 4544, MitraClip G4 Clip Delivery System XT 4545, MitraClip G4 Delivery System XTW 4546, MitraClip G4 Clip Delivery System NT 5151, PASCAL Precision System - Implant System 5306, PASCAL Precision System - PASCAL Ace Implant System 5307, PASCAL Precision System - Implant System 5310, PASCAL Precision System - PASCAL Ace Implant System 5311, SAPIEN 3 Ultra 4341	Patient Enrolled in Research Study (3020) IN (Yes) AND Transcatheter Valve Therapy Procedure Type (14273) IN (Tricuspid Valve Procedure)
Element: 12153	Intra or Post Procedure Events
Value Set Name: Intra or Post Procedure Events	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.706
Selections	Selection Dependency
Annular Rupture 112000001835, Atrial Fibrillation 49436004, Bleeding - Access Site 1000142440, Bleeding - Gastrointestinal 74474003, Bleeding - Genitourinary 417941003, Bleeding - Hematoma at Access Site 385494008, Bleeding - Other 1000142371, Bleeding - Retroperitoneal 95549001, Cardiac Arrest 410429000, Cardiac Perforation 36191001:123005000=302509004, Cardiac Surgery or Intervention - Other Unplanned 112000001892, Complete Leaflet Clip Detachment 112000001840, Coronary Artery Compression 112000001837, COVID-19 Positive 112000001828, Device Embolization 112000001324, Device Migration 370512004, Device Related Event - Other 112000001828, Device Thrombosis 112000001839, Dialysis (New Requirement) 100014076, Endocarditis 56819008, ICD ACC-NCDR-ICD, Myocardial Infarction 22298006, Pacemaker Lead Dislodgement or Dysfunction 112000001820, Stroke - Hemorrhagic 230706003, Stroke - Ischemic 422504002, Stroke - Undetermined 230713003, Transient Ischemic Attack (TIA) 266257000, Vascular Complication - Major 11200000460, Vascular Complication - Minor 112000001823, Vascular Surgery or Intervention - Unplanned 11200000467	
Element: 12153	Intra or Post Procedure Events
Value Set Name: Intra or Post Procedure Events	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.706
Selections	Selection Dependency
ASD Defect Closure due to Transseptal Catheterization 11200001885, Atrial Fibrillation 49436004, Bleeding - Access Site 1000142440, Bleeding - Gastrointestinal 74474003, Bleeding - Genitourinary 417941003, Bleeding - Hematoma at Access Site 385494008, Bleeding - Other 1000142371, Bleeding - Retroperitoneal 95549001, Cardiac Arrest 410429000, Cardiac Perforation 36191001:123005000=302509004, Cardiac Surgery or Intervention - Other Unplanned 11200001892, COVID-19 Positive 112000001982, Device Embolization 112000001324, Device Migration 370512004, Device Related Event - Other 100014076, Endocarditis 56819008, ICD ACC-NCDR-ICD, Left Ventricular Outflow Tract Obstruction 253546004, Myocardial Infarction 22298006, Permanent Pacemaker 449397007, Reintervention - Mitral Valve 11200001893, Stroke - Hemorrhagic 230706003, Stroke - Ischemic 422504002, Stroke - Undetermined 230713003, Transient Ischemic Attack (TIA) 266257000, Transseptal Complication 11200001823, Vascular Complication - Mijor 11200001823, Vascular Surgery or Intervention - Unplanned 11200000467	Transcatheter Valve Therapy Procedure Type (14273) IN (TMVR) AND TVT Pathway (13171) IN (TMVR)
Element: 12153 Value Set Name: Intra or Post Procedure Events	Intra or Post Procedure Events OID: 1.3.6.1.4.1.19376.1.4.1.6.5.706





Value Set Member Constraints	
Selections	Selection Dependency
	Transcatheter Valve Therapy Procedure Type (14273) IN (TAVR) AND TVT Pathway (13171) IN (TAVR)
lement: 12153	Intra or Post Procedure Events
	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.706
Selections	Selection Dependency
	Transcatheter Valve Therapy Procedure Type (14273) IN (TMVr) AND TVT Pathway (1317 IN (TMVr)
	Discharge Location After Event OID: 1.3.6.1.4.1.19376.1.4.1.6.5.41
Selections	Selection Dependency
Iome 01, Skilled Nursing Facility 03, Extended Care/TCU/Rehab 62, Other Discharge	Status (14314) IN (Alive)
Element: 14361	Mitral Valve Reintervention Indication
Value Set Name: Valve Reintervention Indication	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.720
Selections	Selection Dependency
	Transcatheter Valve Therapy Procedure Type (14273) IN (TMVr, TMVR)
	Discharge Medication Code OID: 1.3.6.1.4.1.19376.1.4.1.6.5.165
Selections	Selection Dependency
	TVT Pathway (13171) IN (TMVr, TMVR, Tricuspid Valve Procedure)
	Discharge Medication Code OID: 1.3.6.1.4.1.19376.1.4.1.6.5.165
Selections	Selection Dependency
	TVT Pathway (13171) IN (TAVR)
	Follow-up Event Name OID: 1.3.6.1.4.1.19376.1.4.1.6.5.356
Selections	Selection Dependency
alue Set Name: Follow Up Events	UID: 1.3.6.1.4.1.19376.1.4.1.6.5.356





Cardiac Surgery or Intervention - Other Unplanned | 11200001892, COVID-19 Positive | 112000001982, Device Embolization | 11200001324, Device Thrombosis | 11200001839, Device Related Event - Other | 11200001828, Dialysis (New Requirement) | 100014076, Endocarditis | 56819008, Myocardial Infarction | 22298006, Permanent Pacemaker | 449397007, Readmission - Cardiac (Not Heart Failure) | 11200001897, Readmission - Heart Failure) | 11200001898, Reintervention - Mitral Valve | 11200001893, Single Leaflet Device Attachment | 11200001538, Stroke - Ischemic | 422504002, Stroke - Hemorrhagic | 230706003, Stroke - Undetermined | 230713003, Transient Ischemic Attack (TIA) | 266257000, Vascular Complication - Major | 11200000460, Vascular Complication - Minor | 11200001823, Vascular Surgery or Intervention - Unplanned | 11200000467

Element: 12933 Value Set Name: Follow Up Events

Follow-up Event Name OID: 1.3.6.1.4.1.19376.1.4.1.6.5.356

value Set Name: Follow Op Events	UID: 1.3.6.1.4.1.19376.1.4.1.6.5.356
Selections	Selection Dependency
Atrial Fibrillation 49436004, Bleeding - Life Threatening 11200000459, Bleeding - Major 11200001889, Cardiac Surgery or Intervention - Other Unplanned 11200001892, COVID- 19 Positive 112000001982, Device Embolization 112000001324, Device Fracture 112000001891, Device Thrombosis 112000001839, Dialysis (New Requirement) 100014076, Endocarditis 56819008, ICD ACC-NCDR-ICD, Myocardial Infarction 22298006, PCI 415070008, Permanent Pacemaker 449397007, Readmission - (Non-Valve Related) 112000001895, Readmission (Valve Related) 112000001894, Reintervention - Aortic Valve 112000001827, Stroke - Ischemic 422504002, Stroke - Hemorrhagic 230706003, Stroke - Undetermined 230713003, Transient Ischemic Attack (TIA) 266257000, Vascular Complication - Major 11200000460, Vascular Complication - Minor 11200001823, Vascular Surgery or Intervention - Unplanned 11200000467	,
Element: 12933	Follow-up Event Name
Value Set Name: Follow Up Events	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.356
Selections	Selection Dependency
Atrial Fibrillation 49436004, Bleeding - Life Threatening 11200000459, Bleeding - Major 112000001889, Cardiac Surgery or Intervention - Other Unplanned 112000001892, COVID- 19 Positive 112000001982, Deep Vein Thrombosis 128053003, Device Embolization 112000001324, Device Fracture 11200001891, Device Migration 370512004, Device Thrombosis 112000001839, Device Related Event - Other 112000001828, Dialysis (New Requirement) 100014076, Endocarditis 56819008, ICD ACC-NCDR-ICD, Myocardial Infarction 22298006, PCI 415070008, Permanent Pacemaker 449397007, Pulmonary Embolism 59282003, Readmission - (Non-Valve Related) 112000001895, Readmission (Valve Related) 112000001894, Reintervention - Tricuspid Valve 112000001820, Stroke - Ischemic 422504002, Stroke - Hemorrhagic 230706003, Stroke - Undetermined 230713003, Transient Ischemic Attack (TIA) 266257000, Vascular Complication - Major 11200000460, Vascular Complication - Minor 11200001823, Vascular Surgery or Intervention - Unplanned 11200000467	Transcatheter Valve Therapy Reference Procedure Type (13705) IN (Tricuspid Valve Procedure)
Element: 12933 Value Set Name: Follow Up Events	Follow-up Event Name OID: 1.3.6.1.4.1.19376.1.4.1.6.5.356
Selections	Selection Dependency
ASD Defect Closure due to Transseptal Catheterization 11200001885, Atrial Fibrillation 49436004, Bleeding - Life Threatening 11200000459, Bleeding - Major 112000001889, Cardiac Surgery or Intervention - Other Unplanned 112000001892, COVID-19 Positive 112000001982, Device Embolization 112000001324, Device Fracture 112000001891, Device Migration 370512004, Device Thrombosis 112000001839, Device Related Event - Other 112000001828, Dialysis (New Requirement) 100014076, Endocarditis 56819008, ICD ACC-NCDR-ICD, Myocardial Infarction 22298006, Permanent Pacemaker 449397007, Readmission - Cardiac (Not Heart Failure) 112000001897, Readmission - Heart Failure 112000001896, Readmission - Non-Cardiac 112000001897, Readmission - Heart Failure 112000001893, Stroke - Ischemic 422504002, Stroke - Hemorrhagic 230706003, Stroke - Undetermined 230713003, Transient Ischemic Attack (TIA) 266257000, Vascular Complication - Major 11200000460, Vascular Complication - Minor 112000001823, Vascular Surgery or Intervention - Unplanned 11200000467	Transcatheter Valve Therapy Reference Procedure Type (13705) IN (TMVR)
Element: 14420	Discharge Location After Event
Value Set Name: Discharge Location	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.41
Selections	Selection Dependency
Home 01, Skilled Nursing Facility 03, Extended Care/TCU/Rehab 62, Other Discharge Location 100001249	Status (14387) IN (Alive)
Element: 14406	Mitral Valve Reintervention Indication
Value Set Name: Valve Reintervention Indication	OID: 1.3.6.1.4.1.19376.1.4.1.6.5.720
Selections	Selection Dependency
Regurgitation 40445007, Stenosis 44241007, Device Embolization 112000001324,	Transcatheter Valve Therapy Reference Procedure Type (13705) IN (TMVr, TMVR)





Endocarditis | 56819008, Device Thrombosis | 112000001839, Valve Injury | 762610001, Other | 100000351

Element: 11990 Value Set Name: Follow-up Medication	Follow-Up Medications Code OID: 2.16.840.1.113883.3.3478.6.5.203
Selections	Selection Dependency
Direct thrombin inhibitor 414010005, Warfarin 11289, Aspirin 1191, Direct Factor Xa Inhibitor 112000000696, P2Y12 Antagonist 112000001003	Transcatheter Valve Therapy Reference Procedure Type (13705) IN (TAVR)
Element: 11990	Follow-Up Medications Code
Value Set Name: Follow-up Medication	OID: 2.16.840.1.113883.3.3478.6.5.203
Selections	Selection Dependency
Angiotensin Converting Enzyme Inhibitor 41549009, Aldosterone Antagonist 372603003, Direct thrombin inhibitor 414010005, Warfarin 11289, Aspirin 1191, Angiotensin II Receptor Blocker 372913009, Beta Blocker 33252009, Diuretics Not Otherwise Specified 112000001417, Loop Diuretics 29051009, Thiazides 372747003, Direct Factor Xa Inhibitor 11200000696, P2Y12 Antagonist 112000001003	Transcatheter Valve Therapy Reference Procedure Type (13705) IN (TMVr, TMVR, Tricuspid Valve Procedure)

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Full Specifications Data Dictionary v3.0



Section Containment Structure

Container Class patientContainer episodeContainer episodeContainer

Section Demographics Episode of Care Episode Information Admitting Providers Attending Providers Research Study History and Risk Factors Home Medications Condition History **Condition History Details** Atrial Fibrillation Atrial Flutter Carotid Artery Stenosis Cardiomyopathy Chronic Lung Disease **Diabetes Therapy** Endocarditis Myocardial Infarction Procedure History Procedure History Details Aortic Valve Replacement Transcatheter AV Replacement ICD Mitral Valve Annuloplasty Mitral Valve Replacement Mitral Valve Transcatheter Permanent Pacemaker Tricuspid Valve Repair Surgery Tricuspid Valve Intervention Tricuspid Valve Replacement Surgery Transcatheter TV Replacement Lab Visit Presentation and Evaluation STS Risk Score Shared Decision Making KCCQ12 Five Meter Walk Test Six Minute Walk Test Pre-Procedure Clinical Data Pre-Procedure ECG and Pulmonary Function Pre-Procedure Medication(s) Pre-Procedure Diagnostic Cath Findings Pre-Procedure CTA Findings Pre-Procedure Echocardiogram Findings Left Ventricular Ejection Left Ventricular Dimension Left Atrial Volume Aortic Valve Disease Etiology Mitral Valve Disease Mitral Valve Disease Etiology Tricuspid Valve Disease Etiology Pre-Procedure Dobutamine Challenge Procedure Information Operator Information Radiation and Contrast Post Implant Mitral Valve Data TAVR TAVR Devices TMVr Mitral Leaflet Devices TMVR TMVR Devices TTVP **TTVP Pre-Implant** TTVP Post-Implant

TTVP Devices

In-Hospital Event Information

Post-Procedure - Intra or Post-Procedure Events

Section Code DEMOGRAPHICS EOC EOCINFO ADMTPROV ATTNPROV RSTUDY HISTORYANDRISK HOMEMEDS CONDHIS CONDHISTDET AFib AFLUTTER CASTENOSIS CARDIOM CLUNGD DIABTHER ENDOCTIS MITMEFME PROCHIST PROCHISTDET AVREPL TRAVREPLIMP ICD **MVANUPLSTY MVREPLC MVTRANS** PERMPACE **TVREPAIR** TVINTVN SURTVREPL TTVREPLC labvisit PREEVAL STSRISK SDM BASEKCCQ FIVEMWT SIXMWT PREPROCLABS PREPROCPULMONARY PREPROCMED PREPROCDX PREPROCCTA PREPROCECHO LVEF LVEFDIM LEFTATVOL ARVALETIOLOGY **MVDisease MVEtiology** TMVEtiology DOBUSTTST PROCINFO OPRTRINFO RADIATION POSTIMPMV TAVR TAVRDEV TMVRpr MLEAFDEVICES TMVR TMVRDEVICES TTVP TTVPPREIMP TTVPPOSTIMP TTVPDEVICE POPEVENTS HOSPEVEADJ

Section Type	Cardinality
Section	11
Section	11
Section	11
Section	01
Repeater Section	0 n
Repeater Section	0 n
Section	11
Repeater Section	0 n
Repeater Section	1 n
Section	01
Repeater Section	1n
Section	01
Section Section	0 1 0 1
Section	01
Repeater Section	1n
Section	11
Repeater Section	0 n
Section	01
Section	01
Repeater Section	0 n
Section	01
Section Section	01 01
Section	01
Section	11
Repeater Section	0 n
Section	01
Section	01
Section	01
Repeater Section	0n
Section	01
Repeater Section Section	0 n 0 1
Repeater Section	01 0n
Section	0n 01
Section	01
Section	01
Repeater Section	0n
Repeater Section	1n
Repeater Section	0n



Full Specifications **Data Dictionary v3.0**

STS/ACC TVT Registry

Section Containment Structure

Container Class episodeContainer followupContainer followupContainer followupContainer episodeContainer episodeContainer followupContainer episodeContainer followupContainer episodeContainer episodeContainer followupContainer submissionInfoContainer Administration

Section Stroke Or TIA
AV Re-Intervention
MV Re-Intervention
Tricuspid Valve Re-Intervention
Post-Procedure
Post-Procedure Clinical Data
Post-Procedure Hemoglobin
Post-Procedure 12 Lead
Post-Procedure Creatinine
Post-Procedure Highest Creatinine
Post-Procedure Echocardiogram Findings
Post-Procedure AV Regurgitation
Post-Procedure MV Regurgitation
Post-Procedure TV Regurgitation
Discharge
Discharge Medications
Follow Up
Follow-Up Clinical Assessment
Follow-Up Echocardiogram
Follow-Up Imaging
Follow-Up Aortic Valve
Follow-Up AV Regurgitation
Follow-Up MV Imaging
Follow-Up MV Regurgitation
Follow-Up TV Imaging
Follow-Up TV Regurgitation
Follow-Up 4DCTA
Follow-Up Six Minute Walk Test
Follow-Up KCCQ
Follow-Up Events
Follow-Up Event Information
Follow-Up Stroke or TIA
Follow-Up AV Re-Intervention
Follow-Up MV Re-Intervention
Follow-up Readmission
Follow-Up Tricuspid Valve Re-Intervention
Follow-Up Medications
Administration

Section Code SRKRTIA
AVREINTVN
MVREINTVN
TTVRREINTVN
POSTPROC
POPCLIDATA
POSTPROCHEM
POSTPROC12L
POSTPROCRT
POPROCHIGHCR
POSTPROCECHO
POPAVREG
POPMVREG
POPTVREG
DISCHARGE
DISCMED
FOLLOWUP
FUPCLINASMT
FUPECHO
IMGPERF
AVVALVE
FPOPAVREG
MVIMG
FPOPMVREG
TVREG
FPOPTVREG
FCTAFindings
FSIXMIN
FKCCQ
FUPEVENTS
FADJ
FSTRKTIA
FAVREINTVN
FMVREINTVN
FREADMISSION
FTTVRREINTVN
FUPMEDS
ADMIN

Section Type Section	Cardinality
Section	01
Section	11
Repeater Section	0 n
Section	11
Section	01
Repeater Section	0 n
Repeater Section	0 n
Section	01
Repeater Section	0 n
Section	11





Reference Code System Listing

Code System Name ACC NCDR United States Social Security Number (SSN) HL7 Race HL7 Ethnicity SNOMED CT LOINC ACC NCDR EP Devices ACC NCDR Lead Devices ACC NCDR Catheter Ablation Devices PHDSC HL7 Administrative Gender HL7NullFlavor HL7 Discharge disposition RxNorm USPostalCodes ACC NCDR Intracoronary Devices Center for medicare and medicaid services, MBI clinicaltrials.gov

Code System 2.16.840.1.113883.3.3478.6.1 2.16.840.1.113883.4.1 2.16.840.1.113883.5.104 2.16.840.1.113883.5.50 2.16.840.1.113883.6.96 2.16.840.1.113883.6.1 2.16.840.1.113883.3.3478.6.1.21 2.16.840.1.113883.3.3478.6.1.20 2.16.840.1.113883.3.3478.6.1.22 2.16.840.1.113883.3.221.5 2.16.840.1.113883.5.1 2.16.840.1.113883.5.1008 2.16.840.1.113883.12.112 2.16.840.1.113883.6.88 2.16.840.1.113883.6.231 2.16.840.1.113883.3.3478.6.1.101 2.16.840.1.113883.4.927 2.16.840.1.113883.3.1077