



# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

STS/ACC  
TVT Registry™

## A. DEMOGRAPHICS

<b>Last Name</b> <sup>2000</sup> :	<b>First Name</b> <sup>2010</sup> :	<b>Middle Name</b> <sup>2020</sup> :
<b>Birth Date</b> <sup>2050</sup> : mm / dd / yyyy	<b>SSN</b> <sup>2030</sup> : - - <input type="checkbox"/> <b>SSN N/A</b> <sup>2031</sup>	<b>Patient ID</b> <sup>2040</sup> : (auto)
<b>Other ID</b> <sup>2045</sup> :	<b>Sex</b> <sup>2060</sup> : <input type="radio"/> Male <input type="radio"/> Female	<b>Patient Zip Code</b> <sup>2065</sup> : <input type="checkbox"/> <b>Zip Code N/A</b> <sup>2066</sup>
<b>Race:</b> (check all that apply)	<input type="checkbox"/> <b>White</b> <sup>2070</sup> <input type="checkbox"/> <b>Black/African American</b> <sup>2071</sup> <input type="checkbox"/> <b>American Indian/Alaskan Native</b> <sup>2073</sup> <input type="checkbox"/> <b>Asian</b> <sup>2072</sup> → If Yes, <input type="checkbox"/> <b>Asian Indian</b> <sup>2080</sup> <input type="checkbox"/> <b>Chinese</b> <sup>2081</sup> <input type="checkbox"/> <b>Filipino</b> <sup>2082</sup> <input type="checkbox"/> <b>Japanese</b> <sup>2083</sup> <input type="checkbox"/> <b>Korean</b> <sup>2084</sup> <input type="checkbox"/> <b>Vietnamese</b> <sup>2085</sup> <input type="checkbox"/> <b>Other</b> <sup>2086</sup> <input type="checkbox"/> <b>Native Hawaiian/Pacific Islander</b> <sup>2074</sup> → If Yes, <input type="checkbox"/> <b>Native Hawaiian</b> <sup>2090</sup> <input type="checkbox"/> <b>Guamanian or Chamorro</b> <sup>2091</sup> <input type="checkbox"/> <b>Samoan</b> <sup>2092</sup> <input type="checkbox"/> <b>Other Island</b> <sup>2093</sup>	
<b>Hispanic or Latino Ethnicity</b> <sup>2076</sup> : <input type="radio"/> No <input type="radio"/> Yes	→ If Yes, <b>Ethnicity Type:</b> (check all that apply)	
<input type="checkbox"/> <b>Mexican, Mexican-American, Chicano</b> <sup>2100</sup>	<input type="checkbox"/> <b>Puerto Rican</b> <sup>2101</sup>	<input type="checkbox"/> <b>Cuban</b> <sup>2102</sup> <input type="checkbox"/> <b>Other Hispanic, Latino or Spanish Origin</b> <sup>2103</sup>

## B. EPISODE OF CARE

<b>Arrival Date/Time</b> <sup>3001</sup> : mm / dd / yyyy / hh:mm
<b>Admitting Provider's Name, NPI</b> <sup>3050,3051,3052,3053</sup> : _____ <i>Last Name, First Name, MI, NPI</i>
<b>Attending Provider's Name, NPI</b> <sup>3055,3056,3057,3058</sup> : _____, _____ <i>Last Name, First Name, MI, NPI</i>
<b>Health Insurance</b> <sup>3005</sup> : <input type="radio"/> No <input type="radio"/> Yes
→ If Yes, <b>Payment Source</b> <sup>3010</sup> : (Select all that apply)
<input type="checkbox"/> <b>Private Health Insurance</b> <input type="checkbox"/> <b>Medicare (Fee-For-Service)</b> <input type="checkbox"/> <b>Medicare Advantage</b> <input type="checkbox"/> <b>Medicaid</b> <input type="checkbox"/> <b>Military Health Care</b> <input type="checkbox"/> <b>State-Specific Plan (non-Medicaid)</b> <input type="checkbox"/> <b>Indian Health Service</b> <input type="checkbox"/> <b>Non-US Insurance</b>
<b>MBI #</b> <sup>12846</sup> :
<b>Residence</b> <sup>13803</sup> : <input type="radio"/> Home with No Health Aid <input type="radio"/> Home with Health Aid <input type="radio"/> Long Term Care <input type="radio"/> Other <input type="checkbox"/> Not Documented <sup>13804</sup>

## RESEARCH STUDY

<b>Patient Enrolled in Research Study</b> <sup>3020</sup> : <input type="radio"/> No <input type="radio"/> Yes	<input type="checkbox"/> <b>Patient Restriction</b> <sup>3035</sup>
→ If Yes, <b>Research Study Name</b> <sup>3025</sup> , <b>Research Study Patient ID</b> <sup>3030</sup> : _____, _____	

## TRANSCATHETER VALVE THERAPY (TVT) PATHWAY

<b>TVT Pathway</b> <sup>13171</sup> : <input type="checkbox"/> TAVR <input type="checkbox"/> TMVr <input type="checkbox"/> TMVR <input type="checkbox"/> Tricuspid Valve Procedure
--

Basic dataset



## Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

### C. HISTORY AND RISK FACTORS

**Height**<sup>6000</sup>: \_\_\_\_\_ cm      **Weight**<sup>6005</sup>: \_\_\_\_\_ kg

**Number of Prior Open Heart Cardiac Surgeries**<sup>13697</sup>: \_\_\_\_\_ (If the patient has had >4 prior surgeries and the number is not known, code 4 prior surgeries)

**Heart Failure Hospitalization Within Past Year**<sup>13707</sup>:  No     Yes     Not Documented<sup>14253</sup>

**Oxygen at Home**<sup>13881</sup>:  No     Yes

**Immunocompromise Present**<sup>13882</sup>:  No     Yes      **Currently on Dialysis**<sup>13880</sup>  No     Yes

**Tobacco Use**<sup>4625</sup>:  Never     Former     Current-Every Day     Current-Some Days     Smoker – Current Status Unk     Unk if ever smoked

→ If any Current, **Tobacco Type**<sup>4626</sup> (Select all that apply):     Cigarettes     Cigars     Pipe     Smokeless

→ If Current Every Day and Cigarettes, **Amount**<sup>4627</sup>:     Light tobacco use (<10/day)     Heavy tobacco use (>=10/day)

### HOME MEDICATIONS

CATEGORY	MEDICATION CODE <sup>12297</sup>	MED PRESCRIBED <sup>13903</sup>	LOOP DIURETIC DOSE <sup>14575</sup>
ACE Inhibitors (Angiotensin Converting Enzyme)	Angiotensin Converting Enzyme Inhibitor	<input type="radio"/> No <input type="radio"/> Yes	
Aldosterone Antagonist	Aldosterone Antagonist	<input type="radio"/> No <input type="radio"/> Yes	
Angiotensin Receptor-Nepriylsin Inhibitor	Angiotensin Receptor-Nepriylsin Inhibitor	<input type="radio"/> No <input type="radio"/> Yes	
Anticoagulant	Anticoagulant	<input type="radio"/> No <input type="radio"/> Yes	
Antiplatelet	Aspirin	<input type="radio"/> No <input type="radio"/> Yes	
ARB (Angiotensin Receptors Blockers)	Angiotensin II Receptor Blocker	<input type="radio"/> No <input type="radio"/> Yes	
Beta Blockers	Beta Blocker	<input type="radio"/> No <input type="radio"/> Yes	
Diuretics	Diuretics Not Otherwise Specified	<input type="radio"/> No <input type="radio"/> Yes	
	Loop Diuretics	<input type="radio"/> No <input type="radio"/> Yes	_____ mg
	Thiazides	<input type="radio"/> No <input type="radio"/> Yes	
P2Y12 Inhibitors	P2Y12 Antagonist	<input type="radio"/> No <input type="radio"/> Yes	
Selective Sinus Node I/f Channel Inhibitor	Selective Sinus Node I/f Channel Inhibitor	<input type="radio"/> No <input type="radio"/> Yes	



# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

**CONDITION AND PROCEDURE HISTORY INFORMATION (PATIENT HISTORY AND RISK FACTORS UP TO THE PROCEDURE)**

CONDITION HISTORY <sup>12903</sup>	OCCURRENCE <sup>14264</sup>		DATE <sup>14251</sup>	
	NO	YES		
Atrial Fibrillation	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>AFib Class</b> <sup>13179</sup> : <input type="radio"/> Paroxysmal <input type="radio"/> Persistent <input type="radio"/> Long-standing Persistent <input type="radio"/> Permanent <input type="radio"/> None (w/in 30 days) → If Parox or persis, <b>Recent AF</b> (w/in 30 days) <sup>14244</sup> : <input type="radio"/> No <input type="radio"/> Yes
Atrial Flutter	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>Recent Aflutter</b> (w/in past 30 days) <sup>14245</sup> : <input type="radio"/> No <input type="radio"/> Yes
Cardiomyopathy	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>CM Type</b> <sup>4570</sup> : <input type="checkbox"/> Ischemic <input type="checkbox"/> Non-ischemic <input type="checkbox"/> Other
Carotid Artery Stenosis	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>Current Carotid Artery Stenosis</b> <sup>14265</sup> : <input type="radio"/> No <input type="radio"/> Yes → If Yes, <b>Location</b> <sup>14230</sup> : <input type="radio"/> Right <input type="radio"/> Left <input type="radio"/> Bilateral <input type="checkbox"/> Location Not Documented <sup>14329</sup>
Cerebrovascular Accident (any)	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	
Cerebrovascular Disease	<input type="radio"/>	<input type="radio"/>		
Chronic Lung Disease	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>Severity</b> <sup>13904</sup> : <input type="radio"/> Mild <input type="radio"/> Moderate <input type="radio"/> Severe <input type="checkbox"/> Severity Not Documented <sup>14459</sup>
COVID-19	<input type="radio"/>	<input type="radio"/>		
Dementia - Moderate to Severe	<input type="radio"/>	<input type="radio"/>		
Diabetes Mellitus	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>Therapy</b> <sup>14231</sup> : <input type="radio"/> None <input type="radio"/> Diet <input type="radio"/> Oral <input type="radio"/> Insulin <input type="radio"/> Other
Endocarditis	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>Type</b> <sup>14232</sup> : <input type="radio"/> Treated <input type="radio"/> Active
Heart Failure	<input type="radio"/>	<input type="radio"/>		
Hostile Chest	<input type="radio"/>	<input type="radio"/>		
Hypertension	<input type="radio"/>	<input type="radio"/>		
Liver Disease	<input type="radio"/>	<input type="radio"/>		
Myocardial Infarction	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>MI Timeframe</b> <sup>13174</sup> : <input type="radio"/> <30 days <input type="radio"/> ≥30 days
Peripheral Arterial Disease	<input type="radio"/>	<input type="radio"/>		
Porcelain Aorta	<input type="radio"/>	<input type="radio"/>		
Transient Ischemic Attack	<input type="radio"/>	<input type="radio"/>		
PROCEDURE HISTORY <sup>12905</sup>	OCCURRENCE <sup>14268</sup>		DATE <sup>14252</sup>	
	NO	YES		
Aortic Valve Procedure	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	
Aortic Valve Repair Surgery	<input type="radio"/>	<input type="radio"/>		
Aortic Valve Replacement Surgery	<input type="radio"/>	<input type="radio"/>		
Aortic Valve Replacement - Transcath	<input type="radio"/>	<input type="radio"/>		
Coronary Artery Bypass Graft	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	
Implantable Cardioverter Defibrillator	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>CRT-D</b> <sup>14259</sup> : <input type="radio"/> No <input type="radio"/> Yes
Mitral Valve Procedure	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	
Mitral Valve Annuloplasty Ring Surgery	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>MV Ring Type</b> <sup>14257</sup> : <input type="radio"/> Partial <input type="radio"/> Circumferential <input type="checkbox"/> Not Documented <sup>14258</sup>
Mitral Valve Repair Surgery	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>Mitral Ring or Band Implant ID</b> <sup>14455</sup> / <b>Dia</b> <sup>14533</sup> : <a href="#">Refer to device list</a>
Mitral Valve Replacement Surgery	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>Type</b> <sup>14241</sup> : <input type="radio"/> Stented <input type="radio"/> Stentless <input type="checkbox"/> Not Documented <sup>14242</sup> → If Yes, <b>Implant ID</b> <sup>14334</sup> / <b>Dia</b> <sup>14518</sup> : <a href="#">Refer to device list</a>
Mitral Valve Transcatheter Intervention	<input type="radio"/>	<input type="radio"/>		→ If Yes, <b>Type</b> <sup>14261</sup> : <input type="radio"/> Leaflet Clip <input type="radio"/> Direct Annuloplasty <input type="radio"/> Coronary Sinus Based Intervention <input type="radio"/> Valve-in-Native Valve <input type="radio"/> Valve-in-Valve <input type="radio"/> Other → If Yes, <b>Implant ID</b> <sup>14510</sup> / <b>Dia</b> <sup>14534</sup> : <a href="#">Refer to device list</a>
PCI	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	
Permanent Pacemaker	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	→ If Yes, <b>CRT</b> <sup>14260</sup> : <input type="radio"/> No <input type="radio"/> Yes
Pulmonic Valve Procedure	<input type="radio"/>	<input type="radio"/>		
Tricuspid Valve Procedure	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	



# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

STS/ACC  
TVT Registry™

### D. LAB VISIT (COMPLETE FOR EACH LAB VISIT)

**Procedures**<sup>14273</sup>:  TAVR  TMVr  TMVR  Tricuspid Valve Procedure

**Procedure Room Entry Date/Time**<sup>13329</sup>: mm / dd / yyyy HH:MM **Procedure Start Date/Time**<sup>7000</sup>: mm / dd / yyyy HH:MM

**Procedure End Date/Time**<sup>7005</sup>: mm / dd / yyyy HH:MM **Procedure Room Exit Date/Time**<sup>13330</sup>: mm / dd / yyyy HH:MM

### PRESENTATION AND EVALUATION

**CAD Presentation**<sup>12177</sup>:  No Symptoms, No Angina  Symptoms Unlikely to be Ischemic  Stable Angina  
 Unstable Angina  Non-STEMI  STEMI

**Heart Failure (w/in 2 weeks)**<sup>14266</sup>:  No  Yes

**NYHA Class (w/in 2 weeks)**<sup>12163</sup>:  I  II  III  IV

**Cardiogenic Shock (w/in 24 hrs)**<sup>13175</sup>:  No  Yes

**Cardiac Arrest (w/in 24 hrs)**<sup>14267</sup>:  No  Yes

**STS Risk Score Type**<sup>13698</sup>: **STS Risk Score Measurement**<sup>14271</sup>:

MV Replace: \_\_\_\_\_ %

**Shared Decision Making**<sup>14732</sup>:  No  Yes

→ If Yes, **Shared Decision Making Tool Used**<sup>14733</sup>:  No  Yes → If Yes, **Shared Decision Making Tool Name**<sup>14734</sup>: \_\_\_\_\_

**KCCQ-12 Performed**<sup>13843</sup>:  No  Yes

→ If Yes, **KCCQ-12**<sup>13846, 48, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67</sup>: (see separate questionnaire) **Q1a:** \_\_\_\_\_ **Q1b:** \_\_\_\_\_ **Q1c:** \_\_\_\_\_ **Q2:** \_\_\_\_\_ **Q3:** \_\_\_\_\_ **Q4:** \_\_\_\_\_

**Q5:** \_\_\_\_\_ **Q6:** \_\_\_\_\_ **Q7:** \_\_\_\_\_ **Q8a:** \_\_\_\_\_ **Q8b:** \_\_\_\_\_ **Q8c:** \_\_\_\_\_ **KCCQ Summary Score**<sup>14310</sup>: (calculated) \_\_\_\_\_

**Six Minute Walk Test**<sup>13710</sup>:  No  Yes → If Yes, **Test Date**<sup>13711</sup>: mm / dd / yyyy → If Yes, **Total Distance**<sup>13712</sup>: \_\_\_\_\_ ft  
 → If No, **Reason**<sup>14262</sup>:  Non-Cardiac Reason  Cardiac Reason  Patient Not Willing to Walk  Not Performed By Site

### PRE-PROCEDURE CLINICAL DATA (CLOSEST TO THE PROCEDURE)

**Hemoglobin**<sup>6030</sup>: \_\_\_\_\_ g/dL  Not Drawn<sup>6031</sup> **BNP**<sup>14280</sup>: \_\_\_\_\_ pg/mL  Not Performed<sup>13205</sup>

**Sodium**<sup>6035</sup>: \_\_\_\_\_ mEq/L  Not Drawn<sup>6036</sup> **NT proBNP**<sup>14279</sup>: \_\_\_\_\_ pg/mL  Not Performed<sup>13206</sup>

**Creatinine**<sup>6050</sup>: \_\_\_\_\_ mg/dL  Not Drawn<sup>6051</sup>

### PRE-PROCEDURE ECG AND PULMONARY FUNCTION (CLOSEST TO THE PROCEDURE)

**QRS Duration**<sup>5055</sup>: \_\_\_\_\_ msec  Ventricular Paced<sup>5045</sup>

**FEV1 Predicted**<sup>13216</sup>: \_\_\_\_\_ %  Not Performed<sup>13217</sup>

**DLCO (Predicted)**<sup>13218</sup>: \_\_\_\_\_ %  Not Performed<sup>13219</sup>

### PRE-PROCEDURE MEDICATIONS (24 HOURS PRIOR TO THE PROCEDURE)

**Positive Inotropes**<sup>13643</sup>:  No  Yes

### PRE-PROCEDURE DIAGNOSTIC CATH FINDINGS

**Diagnostic Cath Performed**<sup>13220</sup>:  No  Yes → If Yes, **Diagnostic Cath Date**<sup>13222</sup>: mm / dd / yyyy

**Number of Diseased Vessels**<sup>13381</sup>:  None  One  Two  Three  Not Documented<sup>13382</sup>

**Left Main Stenosis >=50%**<sup>13260</sup>:  No  Yes  Not Documented<sup>13261</sup>

**Proximal LAD >=70%**<sup>13301</sup>:  No  Yes  Not Documented<sup>13302</sup>

**Cardiac Output**<sup>13713</sup>: \_\_\_\_\_ L/min  Not Documented<sup>13714</sup>

**Pulmonary Capillary Wedge Pressure**<sup>13715</sup>: \_\_\_\_\_ mm Hg  Not Documented<sup>13716</sup>

**Pulmonary Artery Pressure (mean)**<sup>13719</sup>: \_\_\_\_\_ mm Hg  Not Documented<sup>13720</sup>

**Pulmonary Artery Pressure (systolic)**<sup>13717</sup>: \_\_\_\_\_ mm Hg  Not Documented<sup>13718</sup>

**Right Atrial Pressure (mean)**<sup>14272</sup>: \_\_\_\_\_ mm Hg  Not Documented<sup>13829</sup>



# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

STS/ACC  
TVT Registry™

## PRE-PROCEDURE ECHOCARDIOGRAM FINDINGS

**LVEF**<sup>13305</sup>: \_\_\_\_\_ %  LVEF Not Assessed<sup>13306</sup>

**Left Ventricular Internal Systolic Dimension**<sup>13721</sup>: \_\_\_\_\_ cm  Not Measured<sup>13722</sup>

**Left Ventricular Internal Diastolic Dimension**<sup>13723</sup>: \_\_\_\_\_ cm  Not Measured<sup>13724</sup>

**Left Ventricular End Systolic Volume**<sup>13725</sup>: \_\_\_\_\_ mL  Not Measured<sup>13727</sup>

**Left Ventricular End Diastolic Volume**<sup>13726</sup>: \_\_\_\_\_ mL  Not Measured<sup>13728</sup>

**Left Atrial Volume**<sup>13729</sup>: \_\_\_\_\_ mL  Not Measured<sup>13730</sup> (OR) **LA Volume Index**<sup>13731</sup>: \_\_\_\_\_ mL/m<sup>2</sup>  Not Measured<sup>13732</sup>

**Aortic Regurgitation**<sup>13477</sup>: (highest)  None  Trace/Trivial  Mild  Moderate  Severe

**Aortic Stenosis**<sup>13307</sup>:  No  Yes

**Mitral Valve Disease**<sup>13704</sup>:  No  Yes

→If Yes, **Mitral Regurgitation**<sup>13672</sup>: (highest)  None  Trace/Trivial  Mild  Moderate  Moderate-Severe  Severe

→If any Regurgitation, **Paravalvular Regurgitation**<sup>13733</sup>:  None  Mild  Moderate  Severe  Not Documented<sup>13734</sup>

→If any Regurgitation, **Central Regurgitation**<sup>13735</sup>:  None  Mild  Moderate  Severe  Not Documented<sup>13736</sup>

→If Yes, **Effective Regurgitant Orifice Area (EROA)**<sup>13737</sup>: \_\_\_\_\_ cm<sup>2</sup> →If EROA, **Method of Assessment**<sup>13738</sup>:  3D Planimetry  PISA  Quantitative Dopplar  Other

→If Yes, **Mitral Stenosis**<sup>13308</sup>:  No  Yes

→If Yes, **MV Area**<sup>13316</sup>: (smallest) \_\_\_\_\_ cm<sup>2</sup> (required only if mitral stenosis=yes)

→If Yes, **MV Mean Gradient**<sup>13317</sup>: (highest) \_\_\_\_\_ mm Hg (required only if mitral stenosis=yes)

**Mitral Valve Disease Etiology**<sup>13490</sup> (Check all that apply):  Functional MR (Secondary)  Degenerative MR (Primary)  Post Inflammatory  Endocarditis  Other  None

→If Functional, **Functional Type**<sup>13740</sup>:  Ischemic Acute, Post Infarction  Ischemic Chronic  Non-Ischemic Dilated Cardiomyopathy  Restrictive Cardiomyopathy  Hypertrophic Cardiomyopathy  Pure Annular Dilation (w/Normal LV Systolic Fx)  Not Documented<sup>13741</sup>

→If Degenerative, **Leaflet Prolapse**<sup>13742</sup>:  None  Anterior  Posterior  Bileaflet  Not Documented<sup>13745</sup>

→If Degenerative, **Leaflet Flail**<sup>13743</sup>:  None  Anterior  Posterior  Bileaflet  Not Documented<sup>13746</sup>

→If Inflammatory, **Type**<sup>13748</sup>:  Collagen Vascular Disease  Drug Induced  Idiopathic  Prior Radiation Therapy  Rheumatic Fever  Not Documented<sup>13753</sup>

**Leaflet Tethering**<sup>13744</sup>:  None  Anterior  Posterior  Bileaflet  Not Documented<sup>13747</sup>

**Mitral Valve Annular Calcification**<sup>13749</sup>:  No  Yes  Not Documented<sup>13750</sup>

**Mitral Leaflet Calcification**<sup>13751</sup>:  Yes  No  Not Documented<sup>13752</sup>

**Tricuspid Regurgitation**<sup>13318</sup>: (highest)  None  Trace/Trivial  Mild  Moderate  Severe

## PROCEDURE INFORMATION

**Concomitant Procedures Performed**<sup>7065</sup>:  No  Yes

→If Yes, **Procedure Type(s)**<sup>7066</sup>: (select the best option(s)): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

**Operator Name/NPI**<sup>14476, 14477, 14478, 14479</sup>: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
*Last Name, First Name, MI, NPI, Last Name, First Name, MI, NPI*

**Procedure Status**<sup>7025</sup>:  Elective  Urgent  Emergency  Salvage

**Heart Team Reason For Procedure**<sup>13499</sup>:  Inoperable/Extreme Risk (technically inoperable/comorbid or deconditioned)  High Risk of 30 day mortality  Intermediate Risk of 30 day mortality  Low Risk of 30 day mortality

**Procedure Location**<sup>12871</sup>:  Cardiac CathLab  Hybrid CathLab Suite  Hybrid OR Suite  Other

**Anesthesia Type**<sup>13331</sup>:  General Anesthesia  Deep Sedation/Analgesia  Moderate Sedation/Analgesia  Minimal Sedation/Anxiolysis



PROCEDURE INFORMATION (CONT.)

Procedure Aborted 13505: O No O Yes
->If Yes, Reason 13506: O Access Related O Consent Issue O Device Delivery System Malfunction
->If Yes, Action 13757: O Conversion to Open Heart Surgery O Scheduled Open Heart Surgery O Rescheduled Transcatheter Procedure

Conversion to Open Heart Surgery 13542: O No O Yes
->If Yes, Reason 13543: O Valve Dislodged to Aorta O Valve Dislodged to Left Ventricle O Annulus Rupture O Ventricular Rupture

Mechanical Support 7422: O No O Yes
->If Yes, Device 7423: O In place at start of procedure O Inserted during procedure and prior to intervention
->If Yes, Timing 7424: O Inserted after intervention has begun O Post Procedure

CardioPulmonary Bypass Used 13579: O No O Yes
->If Yes, Status 13580: O Elective O Emergency ->If Yes, CPB Time 13581: \_\_\_\_\_ min

Delivery System Removed 13525: O No O Yes

PROCEDURE MEDICATIONS (DURING THE PROCEDURE)

Positive Inotropes: 13644: O No O Yes

RADIATION AND CONTRAST

CODE ALL AVAILABLE MEASUREMENTS Dose Area Product 14278: \_\_\_\_\_ O Gy · cm² O dGy · cm² O cGy · cm² O mGy · cm² O µGy · M²
Cumulative Air Kerma 7210: \_\_\_\_\_ O mGy O Gy Fluoro Time 7214: \_\_\_\_\_ min Contrast Volume 7215: \_\_\_\_\_ mL

POST IMPLANT MITRAL VALVE DATA

MV Gradient (mean) 13762 (post implant): \_\_\_\_\_ mm Hg
Mitral Regurgitation 14274 (post implant): O None O Trace/Trivial O Mild O Moderate O Severe

TMVR PROCEDURE INFORMATION

TMVR Type 13754: O Native Valve O Valve-in-Valve O Valve-in-Ring
->If Native Valve, Mitral Valve Annular Calcification 13755: O No O Yes
->If Valve-in-Valve or Valve-in-Ring, Bioprosthetic Valve Fracture Attempted 14480: O No O Yes
->If Yes, BVF Timing 14481 (Check all that apply): [ ] Pre Implant [ ] Post Implant
->If Yes, Valve Observed To Be Fractured 14482: O No O Yes

Primary Procedure Indication 13756 (etiology of valve failure): O Mitral Stenosis O Mitral Regurgitation
Procedure Access Site 13758: O Transseptal via Femoral Vein O Transapical O Direct Left Atrium O Other

Pre Implant Balloon Inflation Performed 13759: O No O Yes
->If Yes, Significant Hemodynamic Deterioration After Inflation 13760: O No O Yes

Table with 3 columns: TMVR DEVICES, DEVICE 1 13532, DEVICE 2 13532. Rows include Device ID, Device Implanted Successfully, Serial #, UDI, and Reason for non-success.

Post Implant Balloon Inflation Performed 13761: O No O Yes



## Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

**STS/ACC  
TVT Registry™**

**POST-PROCEDURE - INTRA OR POST-PROCEDURE EVENTS (COMPLETE FOR EACH PROCEDURE TYPE AND EVERY OCCURRENCE)**

INTRA OR POST PROCEDURE EVENT(S) <sup>12153</sup>	EVENT(S) OCCURRED <sup>9002</sup>	→ IF YES, EVENT DATE(S) <sup>14275</sup>
ASD Defect Closure due to Transseptal Catheterization	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Atrial Fibrillation	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Bleeding – Access Site	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Bleeding – Gastrointestinal	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Bleeding – Genitourinary	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Bleeding - Hematoma at Access Site	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Bleeding – Other	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Bleeding – Retroperitoneal	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Cardiac Arrest	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Cardiac Perforation	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Cardiac Surgery or Intervention – Other Unplanned	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
COVID-19	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Device Embolization	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Device Migration	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Device Thrombosis	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Device Related Event – Other	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Dialysis (New Requirement)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Endocarditis	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
ICD	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Left Ventricular Outflow Tract Obstruction	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Myocardial Infarction	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Permanent Pacemaker	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Reintervention – Mitral Valve	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Stroke – Ischemic (complete event info)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Stroke – Hemorrhagic (complete event info)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Stroke – Undetermined (complete event info)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Transient Ischemic Attack (TIA) (complete event info)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Transseptal Complication	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Vascular Complication – Major	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Vascular Complication – Minor	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Vascular Surgery or Intervention – Unplanned	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy





# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

STS/ACC  
TVT Registry™

**IN-HOSPITAL EVENT INFORMATION (COMPLETE FOR EACH ISCHEMIC, HEMORRHAGIC, UNDETERMINED STROKE, TIA OR MV RE-INTERVENTION)**

**Event**<sup>14312</sup>:  Ischemic Stroke(In-hospital)     Hemorrhagic Stroke(In-hospital)     Undetermined Stroke(In-hospital)     TIA(In-hospital)  
 Mitral Valve Re-intervention(In-hospital)

**Status**<sup>14314</sup>:     Alive     Deceased    **→If Deceased, Date of Death:**<sup>14315</sup>: mm / dd / yyyy

**Clinical Comments**<sup>14462</sup>:

**→IF EVENT**<sup>14312</sup> = STROKE OR TIA (IN-HOSPITAL)

**Symptom Onset Date**<sup>14316</sup>:    mm / dd / yyyy

**Neurologic Deficit with Rapid Onset**<sup>14317</sup>:     No     Yes

**→If Yes, Clinical Presentation**<sup>14318</sup>:     Stroke/TIA     Non-Stroke

**→If Stroke/TIA, Symptom Duration ≥ 24 hours**<sup>14319</sup>:     No     Yes

**→If Stroke/TIA, Brain Imaging Performed**<sup>14320</sup>:     No     Yes

**→If Yes, Brain Imaging Type**<sup>14349</sup>:     CT     CT w/Contrast     MRI     MRI w/Contrast     Other (e.g. angiography)

**→If Yes, Brain Imaging Findings**<sup>14350</sup>:     Infarct     Hemorrhage     No Deficit

**→If Stroke/TIA, Event Related Sequelae**<sup>14351</sup> (Select all that apply):     Death     Permanent Vegetative State

- Altered Consciousness     Blindness     Aphasia     Loss of Motor Function
- Loss of Sensory Function     Facial Paralysis     Prolonged Length of Stay     Other

**→If Status=Alive, Discharge Location**<sup>14352</sup>:     Home     Skilled Nursing Facility     Extended Care/TCU/Rehab     Other Discharge Location

**→If Status=Alive, Patient Discharged to Prior Place of Living**<sup>14421</sup>:     No     Yes

**→If Status=Deceased, Stroke Diagnosed During Autopsy**<sup>14353</sup>:     No     Yes     Info Not Available

**→IF EVENT**<sup>14312</sup> = MITRAL VALVE RE-INTERVENTION (IN-HOSPITAL)

**Mitral Valve Re-intervention Type**<sup>14360</sup>:     Surgical Replacement     Surgical Repair     Transcatheter Replacement  
 Balloon Valvuloplasty     Leaflet Clip Procedure     Paravalvular Leak Closure  
 Other Transcatheter Intervention

**MV Re-intervention Indication**<sup>14361</sup>:     Regurgitation     Stenosis     Device Embolization  
 Endocarditis     Device Thrombosis     Valve Injury     Other





# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

## STS/ACC TVT Registry™

### POST-PROCEDURE CLINICAL DATA (COMPLETE FOR EACH PROCEDURE TYPE)

**Hemoglobin (lowest)**<sup>13763</sup>: \_\_\_\_\_ (g/dL)  Not Drawn<sup>14243</sup> **Creatinine (highest)**<sup>13764</sup>: \_\_\_\_\_ (mg/dL)  Not Drawn<sup>14293</sup>

**12-Lead ECG Performed**<sup>13616</sup>:  No  Yes

→ If Yes, **12-Lead ECG Findings**<sup>13765</sup> (Check all that apply):  No Significant Changes  Pathological Q Wave  New LBBB  Cardiac Arrhythmia

### POST-PROCEDURE ECHOCARDIOGRAM (COMPLETE FOR EACH PROCEDURE)

**Echocardiogram**<sup>13592</sup>:  Yes – TTE  Yes - TEE  Not Performed<sup>13645</sup> → If Yes, **Date**<sup>13493</sup>: \_\_\_\_\_ mm / dd / yyyy

→ If Yes, **Mitral Regurgitation**<sup>13494</sup>:  None  Trace/Trivial  Mild  Moderate  Moderate-Severe  Severe

→ If any Regurgitation, **Paravalvular Regurg**<sup>13766</sup>:  None  Mild  Moderate  Severe  Not Documented<sup>14525</sup>

→ If any Regurgitation, **Central Regurgitation**<sup>13767</sup>:  None  Mild  Moderate  Severe  Not Documented<sup>14488</sup>

→ If Yes, **Effective Regurgitant Orifice Area (EROA)**<sup>13779</sup>: \_\_\_\_\_ cm<sup>2</sup> → If EROA, **Method of Assessment**<sup>13769</sup>:  3D Planimetry  PISA  Quantitative Dopplar  Other

→ If Yes, **MV Mean Gradient**<sup>13770</sup>: (highest) \_\_\_\_\_ mm Hg

→ If Yes, **MV Area**<sup>13771</sup>: (smallest) \_\_\_\_\_ cm<sup>2</sup>

→ If Yes, **LVOT Velocity (peak)**<sup>13772</sup>: \_\_\_\_\_ M/sec

→ If Yes, **SAM Present**<sup>13774</sup>:  No  Yes

→ If Yes, **Tricuspid Regurgitation**<sup>13677</sup>: (highest)  None  Trace/Trivial  Mild  Moderate  Severe

### E. DISCHARGE

**Discharge Date**<sup>10100</sup>: \_\_\_\_\_ mm / dd / yyyy

**Discharge Provider Name, NPI**<sup>10070,10071,10072,10073</sup>: \_\_\_\_\_ Last Name, First Name, MI, NPI

**Discharge Status**<sup>10105</sup>  Alive  Deceased

→ If Alive, **Cardiac Rehabilitation Referral**<sup>10116</sup>:  No - Reason Not Documented  No - Medical Reason Documented  No - Health Care System Reason Documented  No - Patient-oriented Reason  Yes

→ If Alive, **Discharge Location**<sup>10110</sup>:  Home  Skilled Nursing Facility  Extended Care/TCU/Rehab  Other Acute Care Hospital  Left Against Medical Advice (AMA)  Other Discharge Location

→ If Alive, **Hospice Care**<sup>10115</sup>:  No  Yes

→ If Deceased, **Death During Procedure**<sup>10120</sup>:  No  Yes

→ If Deceased, **Cause of Death**<sup>10125</sup>:

<input type="radio"/> Acute myocardial infarction	<input type="radio"/> Pulmonary	<input type="radio"/> Hemorrhage
<input type="radio"/> Sudden cardiac death	<input type="radio"/> Renal	<input type="radio"/> Non-cardiovascular procedure or surgery
<input type="radio"/> Heart failure	<input type="radio"/> Gastrointestinal	<input type="radio"/> Trauma
<input type="radio"/> Stroke	<input type="radio"/> Hepatobiliary	<input type="radio"/> Suicide
<input type="radio"/> Cardiovascular procedure	<input type="radio"/> Pancreatic	<input type="radio"/> Neurological
<input type="radio"/> Cardiovascular hemorrhage	<input type="radio"/> Infection	<input type="radio"/> Malignancy
<input type="radio"/> Other cardiovascular reason	<input type="radio"/> Inflammatory/Immunologic	<input type="radio"/> Other non-cardiovascular reason

**PRBCs Transfused**<sup>9275</sup>: \_\_\_\_\_  No  Yes

→ If Yes, **PRBCs Units Transfused**<sup>13670</sup>: \_\_\_\_\_ Note: Code the total # of units between start of the procedure and discharge

### DISCHARGE MEDICATIONS D/c meds are not required for patients who expired, discharged to "Other Acute Care Hospital," "AMA", or are receiving Hospice Care.

CATEGORY	MEDICATION CODE <sup>10200</sup>	PRESCRIBED <sup>10205</sup>				→ If Yes, LOOP DIURETIC DOSE <sup>14576</sup>
		YES	NO-REASON	NO-MEDICAL REASON	NO-PT REASON	
ACE Inhibitors (Angiotensin Converting Enzyme)	Angiotensin Converting Enzyme Inhibitor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Aldosterone Antagonist	Aldosterone Antagonist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Anticoagulant	Direct Thrombin Inhibitor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Warfarin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Antiplatelet	Aspirin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
ARB (Angiotensin Receptors Blockers)	Angiotensin II Receptor Blocker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Beta Blockers	Beta Blocker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Diuretics Not Otherwise Specified	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Loop Diuretics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____ mg
	Thiazides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Non-Vitamin K Dependent Oral Anticoagulant	Direct Factor Xa Inhibitor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
P2Y12 Inhibitors	P2Y12 Antagonist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	



# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

## STS/ACC TVT Registry™

F. FOLLOW-UP: 30 DAY (23 TO 75 DAYS POST PROCEDURE); 1 YEAR (305 TO 425 DAYS POST PROCEDURE)

**Assessment Date**<sup>11000</sup>: mm / dd / yyyy

**Reference Episode Arrival Date/Time**<sup>11002</sup>: mm / dd / yyyy HH:MM

**Reference Episode Discharge Date**<sup>14338</sup>: mm / dd / yyyy

**Reference Procedure Start Date/Time**<sup>11001</sup>: mm / dd / yyyy HH:MM

**Reference Procedure Type**<sup>13705</sup>:  TAVR  TMVr  TMVR  Tricuspid Valve Procedure

**Method(s) to Determine Status**<sup>11003</sup>:  Office Visit  Medical Records  Letter from Medical Provider  
 Phone Call  Social Security Death Master File  Hospitalized  
 Obituary List  CMS Linked Data  Other

**Follow-up Status**<sup>11004</sup>:  Alive  Deceased  Lost to Follow-up

→ If Alive, **Residence**<sup>13805</sup>:  Home with No Health Aid  Home with Health Aid  Long Term Care  Other  Not Documented<sup>14511</sup>

→ If Deceased, **Date of Death**<sup>11006</sup>: mm / dd / yyyy

→ If Deceased, **Cause of Death**<sup>11007</sup>:  
 Acute myocardial infarction  Pulmonary  Hemorrhage  
 Sudden cardiac death  Renal  Non-cardiovascular procedure or surgery  
 Heart failure  Gastrointestinal  Trauma  
 Stroke  Hepatobiliary  Suicide  
 Cardiovascular procedure  Pancreatic  Neurological  
 Cardiovascular hemorrhage  Infection  Malignancy  
 Other cardiovascular reason  Inflammatory/Immunologic  Other non-cardiovascular reason

**FOLLOW-UP CLINICAL ASSESSMENT**

**Hemoglobin**<sup>13775</sup>: \_\_\_\_\_ g/dL  Not Drawn<sup>14326</sup> **Creatinine**<sup>13310</sup>: \_\_\_\_\_ mg/dL  Not Drawn<sup>13311</sup>

**NYHA Classification**<sup>13688</sup>:  I  II  III  IV  Not Documented<sup>14333</sup>

**12-Lead ECG Performed**<sup>13689</sup>:  No  Yes

→ If Yes, **12-Lead ECG Findings**<sup>13621</sup> (Check all that apply):  No Significant Changes  Pathological Q Wave  New LBBB  Cardiac Arrhythmia

### FOLLOW-UP IMAGING – ECHOCARDIOGRAM AND 4D CT

**Echocardiogram**<sup>13492</sup>:  Yes - TTE  Yes - TEE  Not Performed<sup>14512</sup> → If Yes, **Date**<sup>13593</sup>: mm / dd / yyyy

→ If Yes, **LVEF**<sup>13690</sup>: \_\_\_\_\_ %  LVEF Not Assessed<sup>13691</sup>

→ If Yes, **Mitral Regurgitation**<sup>13673</sup>:  None  Trace/Trivial  Mild  Moderate  Moderate-Severe  Severe

→ If any Regurgitation, **Paravalvular Regurgitation**<sup>13776</sup>:  None  Mild  Moderate  Severe  Not Documented<sup>14528</sup>

→ If any Regurgitation, **Central Regurgitation**<sup>13777</sup>:  None  Mild  Moderate  Severe  Not Documented<sup>14491</sup>

→ If Yes, **MV Mean Gradient**<sup>13778</sup>: (highest) \_\_\_\_\_ mm Hg

→ If Yes, **Effective Regurgitant Orifice Area (EROA)**<sup>13768</sup>: \_\_\_\_\_ cm<sup>2</sup> → If EROA, **Method of Assessment**<sup>13780</sup>:  3D Planimetry  PISA  
 Quantitative Doppler  Other

→ If Yes, **MV Area**<sup>13781</sup>: (smallest) \_\_\_\_\_ cm<sup>2</sup>

→ If Yes, **LVOT Velocity (peak)**<sup>13773</sup>: \_\_\_\_\_ M/sec

→ If Yes, **SAM Present**<sup>13782</sup>:  No  Yes

→ If Yes, **Left Ventricular Internal Systolic Dimension**<sup>13783</sup>: \_\_\_\_\_ cm  Not Measured<sup>14536</sup>

→ If Yes, **Left Ventricular Internal Diastolic Dimension**<sup>13784</sup>: \_\_\_\_\_ cm  Not Measured<sup>14537</sup>

→ If Yes, **Left Ventricular End Systolic Volume**<sup>13786</sup>: \_\_\_\_\_ mL  Not Measured<sup>14539</sup>

→ If Yes, **Left Ventricular End Diastolic Volume**<sup>13785</sup>: \_\_\_\_\_ mL  Not Measured<sup>14538</sup>

→ If Yes, **Left Atrial Volume**<sup>13787</sup>: \_\_\_\_\_ mL  Not Measured<sup>14540</sup> (OR) **LA Volume Index**<sup>13788</sup>: \_\_\_\_\_ mL/m<sup>2</sup>  Not Measured<sup>14582</sup>

→ If Yes, **Tricuspid Regurgitation**<sup>13678</sup>: (highest)  None  Trace/Trivial  Mild  Moderate  Severe

**4D CT Performed**<sup>13692</sup>:  No  Yes → If Yes, **Date**<sup>13693</sup>: / dd / yyyy → If Yes, **Valve Thrombosis Noted**<sup>13694</sup>:  No  Yes  
→ If Yes, **Leaflet Dysfunction Noted**<sup>13695</sup>:  No  Yes

### FOLLOW-UP SIX MINUTE WALK TEST AND KCCQ

**Six Minute Walk Test**<sup>13789</sup>:  No  Yes

→ If Yes, **Test Date**<sup>13790</sup>: mm / dd / yyyy → If Yes, **Total Distance**<sup>14325</sup>: \_\_\_\_\_ ft

→ If No, **Reason**<sup>14263</sup>:  Non-Cardiac Reason  Cardiac Reason  Patient Not Willing to Walk  Not Performed by Site

**KCCQ-12 Performed**<sup>13845</sup>:  No  Yes → If Yes, **KCCQ-12 Date**<sup>13844</sup>: mm / dd / yyyy

→ If Yes, **KCCQ-12**<sup>13847, 69, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68</sup>: (see separate questionnaire)

**Q1a:** \_\_\_\_\_ **Q1b:** \_\_\_\_\_ **Q1c:** \_\_\_\_\_ **Q2:** \_\_\_\_\_ **Q3:** \_\_\_\_\_ **Q4:** \_\_\_\_\_

**Q5:** \_\_\_\_\_ **Q6:** \_\_\_\_\_ **Q7:** \_\_\_\_\_ **Q8a:** \_\_\_\_\_ **Q8b:** \_\_\_\_\_ **Q8c:** \_\_\_\_\_

**KCCQ Summary Score**<sup>14535</sup>: (calculated) \_\_\_\_\_



# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

**FOLLOW-UP MEDICATIONS**

CATEGORY	MEDICATION CODE <sup>11990</sup>	PRESCRIBED <sup>13696</sup>				→ If Yes, LOOP DIURETIC DOSE <sup>14577</sup>
		YES	No- NO REASON	No- MEDICAL REASON	No- PT REASON	
ACE Inhibitors (Angiotensin Converting Enzyme)	Angiotensin Converting Enzyme Inhibitor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Aldosterone Antagonist	Aldosterone Antagonist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Anticoagulant	Direct Thrombin Inhibitor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Warfarin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Antiplatelet	Aspirin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
ARB (Angiotensin Receptors Blockers)	Angiotensin II Receptor Blocker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Beta Blockers	Beta Blocker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Diuretics	Diuretics Not Otherwise Specified	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	Loop Diuretics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____ mg
	Thiazides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Non-Vitamin K Dependent Oral Anticoagulant	Direct Factor Xa Inhibitor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
P2Y12 Inhibitor	P2Y12 Antagonist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

**FOLLOW-UP EVENTS** SPECIFY THE EVENTS (AND EVENT DATES) THAT OCCURRED BETWEEN DISCHARGE AND 30 DAY (FIRST) FOLLOW-UP (FU), OR BETWEEN FU ASSESSMENT DATE #1 AND #2.

EVENT(S) <sup>12933</sup>	EVENT(S) OCCURRED <sup>14276</sup>	→ IF YES, EVENT DATE(S) <sup>14277</sup>
ASD Defect Closure due to Transseptal Catheterization	O No    O Yes	mm / dd / yyyy
Atrial Fibrillation	O No    O Yes	mm / dd / yyyy
Bleeding – Life Threatening	O No    O Yes	mm / dd / yyyy
Bleeding – Major	O No    O Yes	mm / dd / yyyy
Cardiac Surgery or Intervention – Other Unplanned	O No    O Yes	mm / dd / yyyy
COVID-19	O No    O Yes	mm / dd / yyyy
Device Embolization	O No    O Yes	mm / dd / yyyy
Device Fracture	O No    O Yes	mm / dd / yyyy
Device Migration	O No    O Yes	mm / dd / yyyy
Device Thrombosis	O No    O Yes	mm / dd / yyyy
Device Related Event – Other	O No    O Yes	mm / dd / yyyy
Dialysis (New Requirement)	O No    O Yes	mm / dd / yyyy
Endocarditis	O No    O Yes	mm / dd / yyyy
ICD	O No    O Yes	mm / dd / yyyy
Myocardial Infarction	O No    O Yes	mm / dd / yyyy
Permanent Pacemaker	O No    O Yes	mm / dd / yyyy
Readmission – Cardiac (Not Heart Failure)	O No    O Yes	mm / dd / yyyy
Readmission – Heart Failure (Complete event info)	O No    O Yes	mm / dd / yyyy
Readmission – Non-Cardiac	O No    O Yes	mm / dd / yyyy
Reintervention – Mitral Valve (Complete event info)	O No    O Yes	mm / dd / yyyy
Stroke – Ischemic (complete event info)	O No    O Yes	mm / dd / yyyy
Stroke – Hemorrhagic (complete event info)	O No    O Yes	mm / dd / yyyy
Stroke – Undetermined (complete event info)	O No    O Yes	mm / dd / yyyy
Transient Ischemic Attack (TIA) (complete event info)	O No    O Yes	mm / dd / yyyy
Vascular Complication – Major	O No    O Yes	mm / dd / yyyy
Vascular Complication – Minor	O No    O Yes	mm / dd / yyyy
Vascular Surgery or Intervention – Unplanned	O No    O Yes	mm / dd / yyyy



# Transcatheter Mitral Valve Replacement (TMVR) v3 Data Collection Form

STS/ACC  
TVT Registry™

**FOLLOW-UP EVENT INFORMATION** (COMPLETE FOR EACH ISCHEMIC, HEMORRHAGIC, UNDETERMINED STROKE, TIA, MV RE-INTERVENTION OR HF READMISSION)

**Event**<sup>14385</sup>: \_\_\_\_\_ **Event Date**<sup>14386</sup>: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Ischemic Stroke (follow-up)   
  Hemorrhagic Stroke (follow-up)   
  Undetermined Stroke (follow-up)   
  TIA (follow-up)  
 Mitral Valve Re-intervention (follow-up)   
  Heart Failure Readmission (follow-up)

**Status**<sup>14387</sup>: \_\_\_\_\_  Deceased   
 → If Deceased, **Date of Death**<sup>14388</sup>: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**Clinical Comments**<sup>14463</sup>: \_\_\_\_\_

→ IF EVENT<sup>14385</sup> = STROKE OR TIA (follow-up)

**Symptom Onset Date**<sup>14389</sup>: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**Neurologic Deficit with Rapid Onset**<sup>14390</sup>:  No     Yes

→ If Yes, **Clinical Presentation**<sup>14391</sup>:  Stroke/TIA     Non-Stroke

→ If Stroke/TIA, **Symptom Duration ≥ 24 hours**<sup>14392</sup>:  No     Yes

→ If Stroke/TIA, **Brain Imaging Performed**<sup>14393</sup>:  No     Yes

→ If Yes, **Brain Imaging Type**<sup>14394</sup>:  CT     CT w/Contrast     MRI     MRI w/Contrast     Other (e.g. angiography)

→ If Yes, **Brain Imaging Findings**<sup>14395</sup>:  Infarct     Hemorrhage     No Deficit

→ If Stroke/TIA, **Event Related Sequelae**<sup>14396</sup> (Select all that apply):

Death     Permanent Vegetative State  
 Altered Consciousness     Blindness     Aphasia     Loss of Motor Function  
 Loss of Sensory Function     Facial Paralysis     Prolonged Length of Stay     Other

→ If Status=Alive, **Discharge Location**<sup>14420</sup>:  Home     Skilled Nursing Facility     Extended Care/TCU/Rehab     Other Discharge Location

→ If Status=Alive, **Patient Discharged to Prior Place of Living**<sup>14422</sup>:  No     Yes

→ If Status=Deceased, **Stroke Diagnosed During Autopsy**<sup>14397</sup>:  No     Yes     Info Not Available

→ IF EVENT<sup>14385</sup> = MITRAL VALVE RE-INTERVENTION (follow-up)

**Mitral Valve Re-intervention Type**<sup>14405</sup>:

Surgical Replacement     Surgical Repair     Transcatheter Replacement  
 Balloon Valvuloplasty     Leaflet Clip Procedure     Paravalvular Leak Closure  
 Other Transcatheter Intervention

**MV Re-intervention Indication**<sup>14406</sup>:

Regurgitation     Stenosis     Device Embolization  
 Endocarditis     Device Thrombosis     Valve Injury     Other

→ IF EVENT<sup>14385</sup> = READMISSION (HEART FAILURE)

**Hospitalization ≥24 Hours**<sup>14380</sup>:  No     Yes     Information Not Available

**Clinical Signs and/or Symptoms of Heart Failure**<sup>14381</sup>:  No     Yes     Information Not Available

**IV or Invasive Treatment Required**<sup>14382</sup>:  No     Yes     Information Not Available

*Note: IV includes diuretics or vasoactive therapy; invasive treatment includes ultrafiltration, IABP or mechanical assistance.*