



# Transcatheter Mitral Leaflet Clip Procedure (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"/> SSN N/A <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"/> Zip Code N/A <sup>2066</sup>
<b>Race:</b> <input type="checkbox"/> White <sup>2070</sup> <input type="checkbox"/> Black/African American <sup>2071</sup> <input type="checkbox"/> American Indian/Alaskan Native <sup>2073</sup> (check all that apply) <input type="checkbox"/> Asian <sup>2072</sup> → If Yes, <input type="checkbox"/> Asian Indian <sup>2080</sup> <input type="checkbox"/> Chinese <sup>2081</sup> <input type="checkbox"/> Filipino <sup>2082</sup> <input type="checkbox"/> Japanese <sup>2083</sup> <input type="checkbox"/> Korean <sup>2084</sup> <input type="checkbox"/> Vietnamese <sup>2085</sup> <input type="checkbox"/> Other <sup>2086</sup> <input type="checkbox"/> Native Hawaiian/Pacific Islander <sup>2074</sup> → If Yes, <input type="checkbox"/> Native Hawaiian <sup>2090</sup> <input type="checkbox"/> Guamanian or Chamorro <sup>2091</sup> <input type="checkbox"/> Samoan <sup>2092</sup> <input type="checkbox"/> Other Island <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"/> Mexican, Mexican-American, Chicano <sup>2100</sup> <input type="checkbox"/> Puerto Rican <sup>2101</sup> <input type="checkbox"/> Cuban <sup>2102</sup> <input type="checkbox"/> Other Hispanic, Latino or Spanish Origin <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, 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"/> Private Health Insurance <input type="checkbox"/> Medicare (Fee-For-Service) <input type="checkbox"/> Medicare Advantage <input type="checkbox"/> Medicaid <input type="checkbox"/> Military Health Care <input type="checkbox"/> State-Specific Plan (non-Medicaid) <input type="checkbox"/> Indian Health Service <input type="checkbox"/> Non-US Insurance
<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 → If Yes, <b>Research Study Name</b> <sup>3025</sup> , <b>Research Study Patient ID</b> <sup>3030</sup> : _____, _____	<input type="checkbox"/> <b>Patient Restriction</b> <sup>3035</sup>
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## 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
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### 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	LOOP DIURETIC DOSE
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	<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	



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### 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 → 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 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>
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 - Transcatheter	<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"/>		
Mitral Valve Replacement Surgery	<input type="radio"/>	<input type="radio"/>		
Mitral Valve Transcathter 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 Intervention <input type="radio"/> Coronary Sinus Based Intervention <input type="radio"/> Valve-in-Native Valve <input type="radio"/> Valve-in-Valve <input type="radio"/> Other
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	

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

**Procedures** :  TAVR  TMVr  TMVR  Tricuspid Valve Procedure

→If Mitral Repair, **Mitral Leaflet Clip**  No  Yes

**Procedure Room Entry Date/Time** : mm / dd / yyyy HH:MM **Procedure Start Date/Time** : mm / dd / yyyy HH:MM

**Procedure End Date/Time** : mm / dd / yyyy HH:MM **Procedure Room Exit Date/Time** : 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** **STS Risk Score Measurement**<sup>14271</sup>:

MV Repair: \_\_\_\_\_ %

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

**KCCQ-12 Performed** :  No  Yes

→If Yes, **KCCQ-12** **Q1a:** \_\_\_\_\_ **Q1b:** \_\_\_\_\_ **Q1c:** \_\_\_\_\_ **Q2:** \_\_\_\_\_ **Q3:** \_\_\_\_\_ **Q4:** \_\_\_\_\_

: (see separate questionnaire)

**Q5:** \_\_\_\_\_ **Q6:** \_\_\_\_\_ **Q7:** \_\_\_\_\_ **Q8a:** \_\_\_\_\_ **Q8b:** \_\_\_\_\_ **Q8c:** \_\_\_\_\_ **KCCQ Summary Score** : (calculated)

**Six Minute Walk Test** :  No  Yes

→If Yes, **Test Date** : mm / dd / yyyy

→If Yes, **Total Distance** : \_\_\_\_\_ ft

→If No, **Reason** :  Non-Cardiac Reason  Cardiac Reason  Patient Not Willing to Walk  Not Performed By Site

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

**Hemoglobin** : \_\_\_\_\_ g/dL  Not Drawn **BNP** : \_\_\_\_\_ pg/mL  Not Performed

**Sodium** : \_\_\_\_\_ mEq/L  Not Drawn **NT proBNP** : (or) \_\_\_\_\_ pg/mL  Not Performed

**Creatinine** : \_\_\_\_\_ mg/dL  Not Drawn

**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** :  No  Yes

**PRE-PROCEDURE DIAGNOSTIC CATH FINDINGS**

**Diagnostic Cath Performed** :  No  Yes → If Yes, **Diagnostic Cath Date** : mm / dd / yyyy

**Number of Diseased Vessels** :  None  One  Two  Three  Not Documented

**Left Main Stenosis >=50%** :  No  Yes  Not Documented

**Proximal LAD >=70%** :  No  Yes  Not Documented

**Cardiac Output** : \_\_\_\_\_ L/min  Not Documented

**Pulmonary Capillary Wedge Pressure** : \_\_\_\_\_ mm Hg  Not Documented

**Pulmonary Artery Pressure (mean)** : \_\_\_\_\_ mm Hg  Not Documented

**Pulmonary Artery Pressure (systolic)** : \_\_\_\_\_ mm Hg  Not Documented

**Right Atrial Pressure (mean)** : \_\_\_\_\_ mm Hg  Not Documented



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### 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

**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 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>

→If Yes, **MV Mean Gradient**<sup>13317</sup>: (highest)      \_\_\_\_\_ mm Hg

**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 Dilatation (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>:     Yes     No     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

**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 Aborted**<sup>13505</sup>:     No     Yes

→If Yes, **Reason**<sup>13506</sup>:     Access Related     Consent Issue     Device Delivery System Malfunction  
 Navigation Issue After Successful Access     New Clinical Findings     Patient Clinical Status  
 System Issue     Transseptal Access Related     Other

→If Yes, **Action**<sup>13757</sup>:     Conversion to Open Heart Surgery     Scheduled Open Heart Surgery     Rescheduled Transcatheter Procedure  
 Converted to Clinical Trial     Balloon Valvuloplasty     Converted to Medical Therapy     Other



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## PROCEDURE INFORMATION (CONT.)

**Conversion to Open Heart Surgery**<sup>13542</sup>:  No  Yes

→If Yes, Reason<sup>13543</sup>:  Access Related  Cardiac Tamponade  Inability to Position Device  Device Embolization  
 Valve Injury  Other

**Mechanical Support**<sup>7422</sup>:  No  Yes →If Yes, Device<sup>7423</sup>: \_\_\_\_\_

→If Yes, Timing<sup>7424</sup>:  In place at start of procedure  Inserted during procedure and prior to intervention  Inserted after intervention has begun  Post Procedure

**CardioPulmonary Bypass Used**<sup>13579</sup>:  No  Yes

→If Yes, Status<sup>13580</sup>:  Elective  Emergency →If Yes, CPB Time<sup>13581</sup>: \_\_\_\_\_ min

## PROCEDURE MEDICATIONS (DURING THE PROCEDURE)

Positive Inotropes<sup>13644</sup>  No  Yes

## RADIATION AND CONTRAST

<b>CODE ALL AVAILABLE MEASUREMENTS</b>	<b>Dose Area Product</b> <sup>14278</sup> : _____ <input type="radio"/> Gy · cm <sup>2</sup> <input type="radio"/> dGy · cm <sup>2</sup> <input type="radio"/> cGy · cm <sup>2</sup> <input type="radio"/> mGy · cm <sup>2</sup> <input type="radio"/> μGy · M <sup>2</sup>
	<b>Cumulative Air Kerma</b> <sup>7210</sup> : _____ <input type="radio"/> mGy <input type="radio"/> Gy <b>Fluoro Time</b> <sup>7214</sup> : _____ min <b>Contrast Volume</b> <sup>7215</sup> : _____ mL

## POST IMPLANT MITRAL VALVE DATA

**MV Gradient (mean)**<sup>13762</sup> (post implant): \_\_\_\_\_ mm Hg

**Mitral Regurgitation**<sup>14274</sup> (post implant):  None  Trace/Trivial  Mild  Moderate  Severe

## TMVr PROCEDURE INFORMATION - INDICATIONS FOR MITRAL LEAFLET CLIP PROCEDURE

**Mitral Leaflet Clip Procedure Indication** (Check all that apply)<sup>13792</sup>:

- |                                                                                                                                       |                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Refractory to Guideline Determined Optimal Medical Therapy                                                   | <input type="checkbox"/> Frailty (assessed by in-person cardiac surgeon consultation)                                       |
| <input type="checkbox"/> Hostile Chest                                                                                                | <input type="checkbox"/> Severe Pulmonary Hypertension                                                                      |
| <input type="checkbox"/> Severe Liver Disease (Cirrhosis or MELD score >12)                                                           | <input type="checkbox"/> Porcelain Aorta (or extensively calcified ascending aorta)                                         |
| <input type="checkbox"/> Predicted STS MV Repair Operative Mortality Risk of >=6% (for patients deemed likely to undergo MV repair)   |                                                                                                                             |
| <input type="checkbox"/> Predicted STS MV Replacement Operative Mort Risk >=8% (for patients deemed likely to undergo MV replacement) |                                                                                                                             |
| <input type="checkbox"/> Right Ventricular Dysfunction w/Severe Tricuspid Regurg                                                      | <input type="checkbox"/> Major Bleeding Diathesis <input type="checkbox"/> Chemotherapy for Malignancy                      |
| <input type="checkbox"/> AIDS <input type="checkbox"/> Immobility <input type="checkbox"/> High Risk of Aspiration                    | <input type="checkbox"/> Severe Dementia <input type="checkbox"/> IMA at High Risk of Injury <input type="checkbox"/> Other |

## TMVr PROCEDURE INFORMATION

**Guiding Cath Access Site**<sup>13794</sup>:  Right Femoral Vein  Left Femoral Vein  Jugular Vein  Other Vein

**Steerable Guide Cath Device ID**<sup>13795</sup>: \_\_\_\_\_ **Steerable Guide Cath Serial Number**<sup>13796</sup>: \_\_\_\_\_

→If Procedure Aborted is No, TMVr DEVICES	DEVICE 1 <sup>13533</sup>	DEVICE 2 <sup>13533</sup>
<b>Device ID</b> <sup>13797</sup> :	Refer to Device List	Refer to Device List
<b>Location</b> <sup>13800</sup> :	<input type="radio"/> A1P1 <input type="radio"/> A2P2 <input type="radio"/> A3P3 <input type="radio"/> Other	<input type="radio"/> A1P1 <input type="radio"/> A2P2 <input type="radio"/> A3P3 <input type="radio"/> Other
<b>Device Implanted Successfully</b> <sup>13799</sup> :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
<b>→If Yes, Device Serial #</b> <sup>13798</sup> :		
<b>→If Yes, UDI</b> <sup>14574</sup> :		
<b>→If Yes, Deployed Then Removed</b> <sup>13802</sup> :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
<b>→If No, Reason</b> <sup>13801</sup> :	<input type="radio"/> Adverse Event <input type="radio"/> Device Malfunction <input type="radio"/> Inability to Grasp Leaflets <input type="radio"/> Inability to Reduce MR <input type="radio"/> MV Injury <input type="radio"/> Mitral Stenosis <input type="radio"/> Other	<input type="radio"/> Adverse Event <input type="radio"/> Device Malfunction <input type="radio"/> Inability to Grasp Leaflets <input type="radio"/> Inability to Reduce MR <input type="radio"/> MV Injury <input type="radio"/> Mitral Stenosis <input type="radio"/> Other



# Transcatheter Mitral Leaflet Clip Procedure (TMVr) v3 Data Collection Form

**STS/ACC  
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**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	O No   O Yes	mm / dd / yyyy
Atrial Fibrillation	O No   O Yes	mm / dd / yyyy
Bleeding – Access Site	O No   O Yes	mm / dd / yyyy
Bleeding – Gastrointestinal	O No   O Yes	mm / dd / yyyy
Bleeding – Genitourinary	O No   O Yes	mm / dd / yyyy
Bleeding – Other	O No   O Yes	mm / dd / yyyy
Bleeding - Hematoma at Access Site	O No   O Yes	mm / dd / yyyy
Bleeding – Retroperitoneal	O No   O Yes	mm / dd / yyyy
Cardiac Arrest	O No   O Yes	mm / dd / yyyy
Cardiac Perforation	O No   O Yes	mm / dd / yyyy
Cardiac Surgery or Intervention – Other Unplanned	O No   O Yes	mm / dd / yyyy
Complete Leaflet Clip Detachment	O No   O Yes	mm / dd / yyyy
Delivery System Component Embolization	O No   O Yes	mm / dd / yyyy
Device Embolization	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
Mitral Leaflet or Subvalvular Injury	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
Reintervention – Mitral Valve	O No   O Yes	mm / dd / yyyy
Single Leaflet Device Attachment	O No   O Yes	mm / dd / yyyy
Stroke – Ischemic	O No   O Yes	mm / dd / yyyy
Stroke – Hemorrhagic	O No   O Yes	mm / dd / yyyy
Stroke – Undetermined	O No   O Yes	mm / dd / yyyy
Transient Ischemic Attack (TIA)	O No   O Yes	mm / dd / yyyy
Transseptal Complication	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 Leaflet Clip Procedure (TMVr) v3 Data Collection Form

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### POST-PROCEDURE LABS AND ECG (COMPLETE FOR EACH PROCEDURE TYPE)

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

**12-Lead ECG Performed**       No     Yes

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

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

**Echocardiogram**       Yes – TTE     Yes - TEE       Not Performed      → If Yes, **Date**      mm / dd / yyyy

→ If Yes, **Mitral Regurgitation** (highest)       None     Trace/Trivial     Mild     Moderate     Moderate-Severe     Severe

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

→ If Yes, **MV Mean Gradient** (highest) \_\_\_\_\_ mm Hg       Quantitative Dopplar     Other

### E. DISCHARGE

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

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

**Discharge Status**       Alive       Deceased

→ If Alive, **Cardiac Rehabilitation Referral**       No - Reason Not Documented     No - Medical Reason Documented  
 No - Health Care System Reason Documented     No - Patient-Oriented Reason     Yes

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

→ If Alive, **Hospice Care**       No     Yes

→ If Deceased, **Death During Procedure**       No     Yes

→ If Deceased, **Cause of Death**

- |                                                   |                                                |                                                               |
|---------------------------------------------------|------------------------------------------------|---------------------------------------------------------------|
| <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** :       No     Yes    Note: Code the total # of units between start of the procedure and discharge

→ If Yes, **PRBCs Units Transfused** \_\_\_\_\_

### 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- 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 Inhibitors	P2Y12 Antagonist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	



# Transcatheter Mitral Leaflet Clip Procedure (TMVr) v3 Data Collection Form

## STS/ACC TVT Registry™

**F. FOLLOW-UP** Follow-up should be performed at the following intervals post-procedure: **30 days (- 7 days/+ 75), 1 year (+/- 60 days)**

<b>Follow-up Assessment Date</b> <sup>11000</sup> :	mm / dd / yyyy		
<b>Reference Episode Arrival Date/Time</b> <sup>11002</sup> :	mm / dd / yyyy HH:MM		
<b>Reference Episode Discharge Date</b> <sup>14338</sup> :	mm / dd / yyyy		
<b>Reference Procedure Start Date/Time</b> <sup>11001</sup> :	mm / dd / yyyy HH:MM		
<b>Reference Procedure Type</b> <sup>13705</sup> :	<input type="radio"/> TAVR <input type="radio"/> TMVr <input type="radio"/> TMVR <input type="radio"/> Tricuspid Valve Procedure		
<b>Method(s) to Determine Status</b> <sup>11003</sup> :	<input type="checkbox"/> Office Visit <input type="checkbox"/> Medical Records <input type="checkbox"/> Letter from Medical Provider <input type="checkbox"/> Phone Call <input type="checkbox"/> Social Security Death Master File <input type="checkbox"/> Hospitalized <input type="checkbox"/> Obituary List <input type="checkbox"/> CMS Linked Data <input type="checkbox"/> Other		
<b>Follow-up Status</b> <sup>11004</sup> :	<input type="radio"/> Alive <input type="radio"/> Deceased <input type="radio"/> Lost to Follow-up		
→ If Alive, <b>Residence</b> <sup>13805</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>14511</sup>		
→ If Deceased, <b>Date of Death</b> <sup>11006</sup> :	mm / dd / yyyy		
→ If Deceased, <b>Cause of Death</b> <sup>11007</sup> :	<input type="checkbox"/> Acute myocardial infarction <input type="checkbox"/> Pulmonary <input type="checkbox"/> Hemorrhage <input type="checkbox"/> Sudden cardiac death <input type="checkbox"/> Renal <input type="checkbox"/> Non-cardiovascular procedure or surgery <input type="checkbox"/> Heart failure <input type="checkbox"/> Gastrointestinal <input type="checkbox"/> Trauma <input type="checkbox"/> Stroke <input type="checkbox"/> Hepatobiliary <input type="checkbox"/> Suicide <input type="checkbox"/> Cardiovascular procedure <input type="checkbox"/> Pancreatic <input type="checkbox"/> Neurological <input type="checkbox"/> Cardiovascular hemorrhage <input type="checkbox"/> Infection <input type="checkbox"/> Malignancy <input type="checkbox"/> Other cardiovascular reason <input type="checkbox"/> Inflammatory/Immunologic <input type="checkbox"/> Other non-cardiovascular reason		

<b>FOLLOW-UP CLINICAL ASSESSMENT</b>	
<b>Hemoglobin</b> <sup>13775</sup> : _____ g/dL <input type="checkbox"/> Not Drawn <sup>14326</sup>	<b>Creatinine</b> <sup>13310</sup> : _____ mg/dL <input type="checkbox"/> Not Drawn <sup>13311</sup>
<b>NYHA Classification</b> <sup>13688</sup> : <input type="radio"/> I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="checkbox"/> Not Documented <sup>14333</sup>	
<b>12-Lead ECG Performed</b> <sup>13689</sup> : <input type="radio"/> No <input type="radio"/> Yes	
→ If Yes, <b>12-Lead ECG Findings</b> <sup>13621</sup> (Check all that apply): <input type="checkbox"/> No Significant Changes <input type="checkbox"/> Pathological Q Wave <input type="checkbox"/> New LBBB <input type="checkbox"/> Cardiac Arrhythmia	

<b>FOLLOW-UP IMAGING – ECHOCARDIOGRAM</b>	
<b>Echocardiogram</b> <sup>13492</sup> : <input type="radio"/> Yes - TTE <input type="radio"/> Yes - TEE <input type="checkbox"/> Not Performed <sup>14512</sup>	→ If Yes, <b>Date</b> <sup>13593</sup> mm / dd / yyyy
→ If Yes, <b>LVEF</b> <sup>13690</sup> : _____ % <input type="checkbox"/> LVEF Not Assessed <sup>13691</sup>	
→ If Yes, <b>Mitral Regurgitation</b> <sup>13673</sup> : <input type="radio"/> None <input type="radio"/> Trace/Trivial <input type="radio"/> Mild <input type="radio"/> Moderate <input type="radio"/> Moderate-Severe <input type="radio"/> Severe	
→ If Yes, <b>MV Mean Gradient</b> <sup>13778</sup> : (highest) _____ mm Hg	
→ If Yes, <b>Effective Regurgitant Orifice Area (EROA)</b> <sup>13768</sup> : _____ cm <sup>2</sup>	→ If EROA, <b>Method of Assessment</b> <sup>13780</sup> : <input type="radio"/> 3D Planimetry <input type="radio"/> PISA <input type="radio"/> Quantitative Dopplar <input type="radio"/> Other
→ If Yes, <b>Left Ventricular Internal Systolic Dimension</b> <sup>13783</sup> : _____ cm <input type="checkbox"/> Not Measured <sup>14536</sup>	
→ If Yes, <b>Left Ventricular Internal Diastolic Dimension</b> <sup>13784</sup> : _____ cm <input type="checkbox"/> Not Measured <sup>14537</sup>	
→ If Yes, <b>Left Ventricular End Systolic Volume</b> <sup>13786</sup> : _____ mL <input type="checkbox"/> Not Measured <sup>14539</sup>	
→ If Yes, <b>Left Ventricular End Diastolic Volume</b> <sup>13785</sup> : _____ mL <input type="checkbox"/> Not Measured <sup>14538</sup>	
→ If Yes, <b>Left Atrial Volume</b> <sup>13787</sup> : _____ mL <input type="checkbox"/> Not Measured <sup>14540</sup> (OR) <b>LA Volume Index</b> <sup>13788</sup> : _____ mL/m <sup>2</sup> <input type="checkbox"/> Not Measured <sup>14582</sup>	

<b>FOLLOW-UP SIX MINUTE WALK TEST AND KCCQ</b>	
<b>Six Minute Walk Test</b> <sup>13789</sup> : <input type="radio"/> No <input type="radio"/> Yes	
→ If Yes, <b>Test Date</b> <sup>13790</sup> :    mm / dd / yyyy	→ If Yes, <b>Total Distance</b> <sup>14325</sup> : _____ ft
→ If No, <b>Reason</b> <sup>14263</sup> : <input type="radio"/> Non-Cardiac Reason <input type="radio"/> Cardiac Reason <input type="radio"/> Patient Not Willing to Walk <input type="radio"/> Not Performed by Site	
<b>KCCQ-12 Performed</b> <sup>13845</sup> : <input type="radio"/> No <input type="radio"/> Yes    → If Yes, <b>KCCQ-12 Date</b> <sup>13844</sup> :    mm / dd / yyyy	
→ If Yes, <b>KCCQ-12</b> <sup>13847, 69, 50, 52, 54, 56, 58</sup> (see separate questionnaire)	
Q1a: _____ Q1b: _____ Q1c: _____ Q2: _____ Q3: _____ Q4: _____	
Q5: _____ Q6: _____ Q7: _____ Q8a: _____ Q8b: _____ Q8c: _____	<b>KCCQ Summary Score</b> <sup>14535</sup> : (calculated)



# Transcatheter Mitral Leaflet Clip Procedure (TMVr) v3 Data Collection Form

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### 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	<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 – Life Threatening	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Bleeding – Major	<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
Device Embolization	<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
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
Readmission – Cardiac (Not Heart Failure)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Readmission – Heart Failure (Complete Adjudication)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Readmission – Non-Cardiac	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Reintervention – Mitral Valve (Complete Adjudication)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Single Leaflet Device Attachment	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Stroke – Ischemic	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Stroke – Hemorrhagic	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Stroke – Undetermined	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Transient Ischemic Attack (TIA)	<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 Leaflet Clip Procedure (TMVr)
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FOLLOW-UP ADJUDICATION (COMPLETE FOR EACH ISCHEMIC, HEMORRHAGIC, UNDETERMINED STROKE, TIA, MV RE-INTERVENTION OR HF READMISSION)

Adjudication Event 14385: Event Date 14386: mm / dd / yyyy
O Ischemic Stroke (follow-up) O Hemorrhagic Stroke (follow-up) O Undetermined Stroke (follow-up) O TIA (follow-up)
O Mitral Valve Re-intervention (follow-up) O Heart Failure Readmission (follow-up)

Status 14387: O Alive O Deceased ->If Deceased, Date of Death: 14388: mm / dd / yyyy

Clinical Comments 14463:

->IF EVENT 14385 = STROKE OR TIA (FOLLOW-UP)

Symptom Onset Date 14389: mm / dd / yyyy
Neurologic Deficit with Rapid Onset 14390: O No O Yes
->If Yes, Clinical Presentation 14391: O Stroke/TIA O Non-Stroke
->If Stroke/TIA, Symptom Duration >= 24 hours 14392: O No O Yes
->If Stroke/TIA, Brain Imaging Performed 14393: O No O Yes
->If Yes, Brain Imaging Type 14394: O CT O CT w/Contrast O MRI O MRI w/Contrast O Other (e.g. angiography)
->If Yes, Brain Imaging Findings 14395: O Infarct O Hemorrhage O No Deficit
->If Stroke/TIA, Event Related Sequelae 14396 (Select all that apply): O Death O Permanent Vegetative State
O Altered Consciousness O Blindness O Aphasia O Loss of Motor Function
O Loss of Sensory Function O Facial Paralysis O Prolonged Length of Stay O Other
->If Status=Alive, Discharge Location 14420: O Home O Skilled Nursing Facility O Extended Care/TCU/Rehab O Other Discharge Location
->If Status=Alive, Patient Discharged to Prior Place of Living 14422: O No O Yes
->If Status=Deceased, Stroke Diagnosed During Autopsy 14397: O No O Yes O Info Not Available

->IF EVENT 14385 = MITRAL VALVE RE-INTERVENTION (FOLLOW-UP)

Mitral Valve Re-intervention Type 14405: O Surgical Replacement O Surgical Repair O Transcatheter Replacement
O Balloon Valvuloplasty O Leaflet Clip Procedure O Paravalvular Leak Closure
O Other Transcatheter Intervention
MV Re-intervention Indication 14406: O Regurgitation O Stenosis O Device Embolization
O Endocarditis O Device Thrombosis O Valve Injury O Other

->IF EVENT 14385 = READMISSION (HEART FAILURE)

Hospitalization >=24 Hours 14380: O No O Yes O Information Not Available
Clinical Signs and/or Symptoms of Heart Failure 14381: O No O Yes O Information Not Available
IV or Invasive Treatment Required 14382: O No O Yes O Information Not Available

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