



Transcatheter Tricuspid Valve Procedure – Repair/Replacement (TVP) v3 Data Collection Form

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

CONDITION HISTORY ¹²⁹⁰³	OCCURRENCE ¹⁴²⁶⁴		DATE ¹⁴²⁵¹	
	No	Yes		
Atrial Fibrillation	<input type="radio"/>	<input type="radio"/>		→ If Yes, AFib Class ¹³¹⁷⁹ : <input type="radio"/> Paroxysmal <input type="radio"/> Persistent (w/in 30 days) <input type="radio"/> Long-standing Persistent <input type="radio"/> Permanent <input type="radio"/> None → If Parox or persis, Recent AF (w/in 30 days) ¹⁴²⁴⁴ : <input type="radio"/> No <input type="radio"/> Yes
Atrial Flutter	<input type="radio"/>	<input type="radio"/>		→ If Yes, Recent Aflutter (w/in 30 days) ¹⁴²⁴⁵ : <input type="radio"/> No <input type="radio"/> Yes
Cardiomyopathy	<input type="radio"/>	<input type="radio"/>		→ If Yes, CM Type ⁴⁵⁷⁰ : <input type="checkbox"/> Ischemic <input type="checkbox"/> Non-ischemic <input type="checkbox"/> Other
Carotid Artery Stenosis	<input type="radio"/>	<input type="radio"/>		→ If Yes, Current Carotid Artery Stenosis ¹⁴²⁶⁵ : <input type="radio"/> No <input type="radio"/> Yes → If Yes, Location ¹⁴²³⁰ : <input type="radio"/> Right <input type="radio"/> Left <input type="radio"/> Bilateral <input type="checkbox"/> Location Not Documented ¹⁴³²⁹
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, Severity ¹³⁹⁰⁴ : <input type="radio"/> Mild <input type="radio"/> Moderate <input type="radio"/> Severe <input type="checkbox"/> Severity Not Documented ¹⁴⁴⁵⁹
COVID-19				
Conduction Defect	<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, Therapy ¹⁴²³¹ : <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, Type ¹⁴²³² : <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, MI Timeframe ¹³¹⁷⁴ : <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 ¹²⁹⁰⁵	OCCURRENCE ¹⁴²⁶⁸		DATE ¹⁴²⁵²	
	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, CRT-D ¹⁴²⁵⁹ : <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"/>		
Mitral Valve Repair Surgery	<input type="radio"/>	<input type="radio"/>		
Mitral Valve Replacement Surgery	<input type="radio"/>	<input type="radio"/>		
Mitral Valve Transcatheter Intervention	<input type="radio"/>	<input type="radio"/>		
PCI	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	
Permanent Pacemaker	<input type="radio"/>	<input type="radio"/>	mm/dd/yyyy	→ If Yes, CRT ¹⁴²⁶⁰ : <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	
Tricuspid Valve Repair Surgery	<input type="radio"/>	<input type="radio"/>		→ If Yes, TV Annuloplasty Ring ¹⁴²⁹⁹ : <input type="radio"/> No <input type="radio"/> Yes
Tricuspid Valve Replacement Surgery	<input type="radio"/>	<input type="radio"/>		→ If Yes, Implant ID ¹⁴²⁹⁸ / Dia ¹⁴⁵¹⁶ : Refer to device list
Tricuspid Valve Replacement - Transcatheter	<input type="radio"/>	<input type="radio"/>		→ If Yes, Implant ID ¹⁴³⁰¹ / Dia ¹⁴⁵¹⁷ : Refer to device list
Tricuspid Valve Transcatheter Intervention	<input type="radio"/>	<input type="radio"/>		→ If Yes, TV Intervention Type ¹⁴³⁰⁰ : <input type="radio"/> Annuloplasty Ring <input type="radio"/> Other



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D. LAB VISIT (COMPLETE FOR EACH LAB VISIT)

Procedures¹⁴²⁷³: TAVR TMVr TMVR Tricuspid Valve Procedure

Procedure Room Entry Date/Time¹³³²⁹: mm / dd / yyyy HH:MM Procedure Start Date/Time⁷⁰⁰⁰: mm / dd / yyyy HH:MM

Procedure End Date/Time⁷⁰⁰⁵: mm / dd / yyyy HH:MM Procedure Room Exit Date/Time¹³³³⁰: mm / dd / yyyy HH:MM

PRESENTATION AND EVALUATION

CAD Presentation¹²¹⁷⁷: No Symptoms, No Angina Symptoms Unlikely to be Ischemic Stable Angina
 Unstable Angina Non-STEMI STEMI

Heart Failure (w/in 2 weeks)¹⁴²⁶⁶: No Yes

NYHA Class (w/in 2 weeks)¹²¹⁶³: I II III IV

Cardiogenic Shock (w/in 24 hrs)¹³¹⁷⁵: No Yes

Cardiac Arrest (w/in 24 hrs)¹⁴²⁶⁷: No Yes

Shared Decision Making¹⁴⁷³²: No Yes

→If Yes, Shared Decision Making Tool Used¹⁴⁷³³: No Yes →If Yes, Shared Decision Making Tool Name¹⁴⁷³⁴: _____

KCCQ-12 Performed¹³⁸⁴³: No Yes

→If Yes, KCCQ-12^{13846, 48, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67}: (see separate questionnaire) Q1a: _____ Q1b: _____ Q1c: _____ Q2: _____ Q3: _____ Q4: _____

Q5: _____ Q6: _____ Q7: _____ Q8a: _____ Q8b: _____ Q8c: _____ KCCQ Summary Score¹⁴³¹⁰: (calculated) _____

Six Minute Walk Test¹³⁷¹⁰: No Yes →If Yes, Test Date¹³⁷¹¹: mm / dd / yyyy →If Yes, Total Distance¹³⁷¹²: _____ ft

→If No, Reason¹⁴²⁶²: Non-Cardiac Reason Cardiac Reason Patient Not Willing to Walk Not Performed By Site

PRE-PROCEDURE CLINICAL DATA (CLOSEST TO THE PROCEDURE)

Hemoglobin ⁶⁰³⁰ : _____ g/dL <input type="checkbox"/> Not Drawn ⁶⁰³¹	Bilirubin ⁶⁰⁵⁵ : _____ mg/dL <input type="checkbox"/> Not Drawn ⁶⁰⁵⁶
Platelet Count ¹³²¹³ : _____ µL <input type="checkbox"/> Not Drawn ¹³²¹⁴	Albumin ¹⁴²¹⁰ : _____ g/dL <input type="checkbox"/> Not Drawn ¹⁴²¹¹
INR ¹³²⁰³ : _____ <input type="checkbox"/> Not Drawn ⁶⁰⁴⁶	
Sodium ⁶⁰³⁵ : _____ mEq/L <input type="checkbox"/> Not Drawn ⁶⁰³⁶	BNP ¹⁴²⁸⁰ : _____ pg/mL <input type="checkbox"/> Not Performed ¹³²⁰⁵
Creatinine ⁶⁰⁵⁰ : _____ mg/dL <input type="checkbox"/> Not Drawn ⁶⁰⁵¹	NT proBNP ¹⁴²⁷⁹ : _____ pg/mL <input type="checkbox"/> Not Performed ¹³²⁰⁶

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

QRS Duration⁵⁰⁵⁵: _____ msec Ventricular Paced⁵⁰⁴⁵

FEV1 Predicted¹³²¹⁶: _____ % Not Performed¹³²¹⁷

DLCO (Predicted)¹³²¹⁸: _____ % Not Performed¹³²¹⁹

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

Positive Inotropes¹³⁶⁴³: No Yes

PRE-PROCEDURE DIAGNOSTIC CATH FINDINGS

Diagnostic Cath Performed¹³²²⁰: No Yes → If Yes, Diagnostic Cath Date¹³²²²: mm / dd / yyyy

Number of Diseased Vessels¹³³⁸¹ None One Two Three Not Documented¹³³⁸²

Left Main Stenosis ≥50%¹³²⁶⁰: No Yes Not Documented¹³²⁶¹

Proximal LAD ≥70%¹³³⁰¹: No Yes Not Documented¹³³⁰²

Cardiac Output¹³⁷¹³: _____ L/min Not Documented¹³⁷¹⁴

Pulmonary Capillary Wedge Pressure¹³⁷¹⁵: _____ mm Hg Not Documented¹³⁷¹⁶

Pulmonary Artery Pressure (mean)¹³⁷¹⁹: _____ mm Hg Not Documented¹³⁷²⁰

Pulmonary Vascular Resistance¹⁴²⁹¹: _____ Wood units Not Documented¹⁴²⁸⁹

Right Atrial Pressure (mean)¹⁴²⁷²: _____ mm Hg Not Documented¹³⁸²⁹

Right Ventricular Systolic Pressure¹³³⁰³: (highest) _____ mm Hg Not Documented¹³³⁰⁴



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RADIATION AND CONTRAST		
CODE ALL AVAILABLE MEASUREMENTS	Dose Area Product ¹⁴²⁷⁸ : _____ O Gy · cm ² O dGy · cm ² O cGy · cm ² O mGy · cm ² O μGy · M ²	
	Cumulative Air Kerma ⁷²¹⁰ : _____ O mGy O Gy Fluoro Time ⁷²¹⁴ : _____ min Contrast Volume ⁷²¹⁵ : _____ mL	
TTVP PROCEDURE INFORMATION		
Tricuspid Procedure Type ¹³⁸¹⁵ : <input type="radio"/> Tricuspid Valve Replacement <input type="radio"/> Annular Reduction <input type="radio"/> Direct Leaflet		
→If TV Replacement, Location ¹³⁸¹⁶ : <input type="radio"/> Native Valve <input type="radio"/> Surgical Valve <input type="radio"/> Surgical Ring <input type="radio"/> IVC only <input type="radio"/> SVC and IVC		
Procedure Indication ¹³⁸¹⁷ : <input type="radio"/> Tricuspid Regurgitation <input type="radio"/> Tricuspid Stenosis <input type="radio"/> Both TR and TS (with at least moderate TR)		
Procedure Access Site ¹³⁸³⁸ : <input type="radio"/> Femoral Vein <input type="radio"/> Jugular Vein <input type="radio"/> Right Atrium <input type="radio"/> Other Vein		
Transvenous RV Lead Present ¹³⁸³⁹ : <input type="radio"/> No <input type="radio"/> Yes <i>(Code only for patients with Tricuspid Valve Replacement)</i>		
→If Yes, RV Lead Strategy ¹³⁸⁴⁰ : <input type="radio"/> Jailed by Transcatheter Valve <input type="radio"/> Lead Removed Prior to Valve Implant		
→If Jailed, Change in Lead Function ¹³⁸⁴¹ : <input type="radio"/> No <input type="radio"/> Yes		
INTRAPROCEDURE HEMODYNAMICS	PRE-IMPLANT	POST-IMPLANT
→If Location = "IVC only" or "SVC and IVC", Superior Vena Cava Pressure:	_____ mm hg ¹³⁸¹⁹ <input type="checkbox"/> Not Documented ¹³⁸²⁰	_____ mm hg ¹³⁸²¹ <input type="checkbox"/> Not Documented ¹³⁸²²
→If Location = "IVC only" or "SVC and IVC", Inferior Vena Cava Pressure:	_____ mm hg ¹³⁸²³ <input type="checkbox"/> Not Documented ¹³⁸²⁵	_____ mm hg ¹³⁸²⁴ <input type="checkbox"/> Not Documented ¹³⁸²⁶
Right Atrial Pressure:	_____ mm hg ¹³⁸²⁷ <input type="checkbox"/> Not Documented ¹⁴²⁹⁰	_____ mm hg ¹³⁸²⁸ <input type="checkbox"/> Not Documented ¹³⁸³⁰
Right Ventricular Systolic Pressure:	_____ mm hg ¹⁴²⁸¹ <input type="checkbox"/> Not Documented ¹³⁸³¹	_____ mm hg ¹³⁸³² <input type="checkbox"/> Not Documented ¹³⁸³³
TV Diastolic Gradient:	_____ mm hg ¹³⁸³⁴ <input type="checkbox"/> Not Documented ¹³⁸³⁶	_____ mm hg ¹³⁸³⁵ <input type="checkbox"/> Not Documented ¹³⁸³⁷
→If Procedure Aborted is No, TTVP DEVICES	DEVICE 1 ¹³⁵³¹	DEVICE 2 ¹³⁵³¹
Device ID ¹⁴⁴⁸³ / Dia ¹⁴⁵²⁰ :	Refer to Device List	Refer to Device List
Device Implanted Successfully ¹³⁵³⁷ :	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
→If Yes, Serial # ¹³⁸⁴² :		
→If Yes, UDI ¹⁴⁵⁷¹ :		
→If No, Reason ¹³⁵⁴⁰ : <i>Note: If more than one reason, code the worst reason the device was not implanted.</i>	<input type="radio"/> Adverse Event <input type="radio"/> Anchor Pull Through <input type="radio"/> Device Embolization <input type="radio"/> Device Malfunction <input type="radio"/> Improper Device Positioning <input type="radio"/> Improper Device Sizing <input type="radio"/> Inability to Deploy Valve <input type="radio"/> Inability to Deploy Stent <input type="radio"/> Inability to Grasp Leaflets <input type="radio"/> Inability to Deliver Device Anchor <input type="radio"/> Inability to Reduce Annular Dimension <input type="radio"/> Inability to Reduce TR <input type="radio"/> IVC Too Large <input type="radio"/> Leaflet Detachment <input type="radio"/> Single Leaflet Device Attachment <input type="radio"/> Tricuspid Valve Stenosis <input type="radio"/> Tricuspid Valve Injury <input type="radio"/> Other	<input type="radio"/> Adverse Event <input type="radio"/> Anchor Pull Through <input type="radio"/> Device Embolization <input type="radio"/> Device Malfunction <input type="radio"/> Improper Device Positioning <input type="radio"/> Improper Device Sizing <input type="radio"/> Inability to Deploy Valve <input type="radio"/> Inability to Deploy Stent <input type="radio"/> Inability to Grasp Leaflets <input type="radio"/> Inability to Deliver Device Anchor <input type="radio"/> Inability to Reduce Annular Dimension <input type="radio"/> Inability to Reduce TR <input type="radio"/> IVC Too Large <input type="radio"/> Leaflet Detachment <input type="radio"/> Single Leaflet Device Attachment <input type="radio"/> Tricuspid Valve Stenosis <input type="radio"/> Tricuspid Valve Injury <input type="radio"/> Other



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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) ¹²¹⁵³	EVENT(S) OCCURRED ⁹⁰⁰²	→ IF YES, EVENT DATE(S) ¹⁴²⁷⁵
Annular Rupture	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 - Hematoma at Access Site	O No O Yes	mm / dd / yyyy
Bleeding – Other	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
Coronary Artery Compression	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 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
Pacemaker Lead Dislodgement or Dysfunction	O No O Yes	mm / dd / yyyy
Percutaneous Coronary Intervention	O No O Yes	mm / dd / yyyy
Permanent Pacemaker	O No O Yes	mm / dd / yyyy
Pulmonary Embolism	O No O Yes	mm / dd / yyyy
Reintervention – Tricuspid Valve (complete event info)	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
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



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IN-HOSPITAL EVENT INFORMATION (COMPLETE FOR EACH TV RE-INTERVENTION DURING EPISODE OF CARE)

Event¹⁴³¹²: **Event Date**¹⁴³¹³: mm / dd / yyyy

Tricuspid Valve Re-intervention (In-hospital)

Status¹⁴³¹⁴: Alive Deceased **→If Deceased, Date of Death:**¹⁴³¹⁵: mm / dd / yyyy

Clinical Comments¹⁴⁴⁶²:

→IF EVENT¹⁴³¹² = TRICUSPID VALVE RE-INTERVENTION (IN-HOSPITAL)

Tricuspid Valve Re-intervention Type¹⁴³²²: Surgical Replacement Surgical Repair Transcatheter Replacement
 Balloon Valvuloplasty Leaflet Clip Procedure Paravalvular Leak Closure
 Other Transcatheter Intervention

TV Re-intervention Primary Indication¹⁴³⁴⁷:

Regurgitation Stenosis Device Embolization Device Fracture Device Migration
 Endocarditis Paravalvular Leak Device Thrombosis Valve Injury Other

→If Regurgitation, TV Regurg¹⁴³⁸³: None Trace/Trivial Mild Moderate Severe



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

Hemoglobin (lowest)¹³⁷⁶³: _____ (g/dL) Not Drawn¹⁴²⁴³ **Creatinine (highest)**¹³⁷⁶⁴: _____ (mg/dL) Not Drawn¹⁴²⁹³
Creatinine (discharge)¹⁰⁰⁶⁰: _____ (mg/dL) Not Drawn¹⁰⁰⁶¹

12-Lead ECG Performed¹³⁶¹⁶: No Yes
→ If Yes, 12-Lead ECG Findings¹³⁷⁶⁵ (Check all that apply): No Significant Changes Pathological Q Wave New LBBB Cardiac Arrhythmia

POST-PROCEDURE ECHOCARDIOGRAM (COMPLETE FOR EACH PROCEDURE)

Echocardiogram¹³⁵⁹²: Yes – TTE Yes - TEE Not Performed¹³⁶⁴⁵ **→ If Yes, Date**¹³⁴⁹³: mm / dd / yyyy

→ If Yes, Aortic Regurgitation¹³⁵²⁶: None Trace/Trivial Mild Moderate Severe

→ If Yes AV Mean Gradient¹³⁶⁷⁵: (highest) _____ mm Hg

→ If Yes, Mitral Regurgitation¹³⁴⁹⁴: None Trace/Trivial Mild Moderate Moderate-Severe Severe

→ If Yes, Tricuspid Regurgitation¹³⁶⁷⁷: (highest) None Trace/Trivial Mild Moderate Severe

→ If >= Trace/Trivial, Paravalvular Regurgitation¹⁴⁵⁰⁵ None Mild Moderate Severe Not Documented¹⁴⁵²⁶

→ If >= Trace/Trivial, Central Regurgitation¹⁴⁵⁰¹: None Mild Moderate Severe Not Documented¹⁴⁴⁸⁹

→ If Yes, TV Diastolic Gradient¹⁴⁵⁰⁷: _____ mm Hg Not Documented¹⁴⁵⁰⁸

→ If Yes, TV Annulus Size¹⁴²⁹⁴: _____ mm Not Documented¹⁴⁴⁹⁵

→ If Yes, End-diastolic Mid-RV Diameter¹⁴²⁹⁵: _____ cm (4 chamber view) Not Documented¹⁴⁴⁹⁶

→ If Yes, End-diastolic Basal-RV Diameter¹⁴²⁹⁶: _____ cm (4 chamber view) Not Documented¹⁴⁴⁹⁷

→ If Yes, Right Ventricular Systolic Pressure¹⁴²⁹⁷: _____ mm Hg Not Documented¹⁴⁴⁹⁸

E. DISCHARGE

Discharge Date¹⁰¹⁰⁰: mm / dd / yyyy

Discharge Provider Name, NPI^{10070,10071,10072,10073}: _____ Last Name, First Name, MI, NPI

Discharge Status¹⁰¹⁰⁵ Alive Deceased

→ If Alive, Cardiac Rehabilitation Referral¹⁰¹¹⁶: No - Reason Not Documented No - Medical Reason Documented
 No - Health Care System Reason Documented No - Patient-Oriented Reason Yes

→ If Alive, Discharge Location¹⁰¹¹⁰: Home Skilled Nursing Facility Extended Care/TCU/Rehab
 Other Acute Care Hospital Left Against Medical Advice (AMA) Other Discharge Location

→ If Alive, Hospice Care¹⁰¹¹⁵: No Yes

→ If Deceased, Death During Procedure¹⁰¹²⁰: No Yes

→ If Deceased, Cause of Death¹⁰¹²⁵: 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

PRBCs Transfused⁹²⁷⁵: No Yes *Note: Code the total # of units between start of the procedure and discharge*
→ If Yes, PRBCs Units Transfused¹³⁶⁷⁰: _____

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 ¹⁰²⁰⁰	PRESCRIBED ¹⁰²⁰⁵				→ If Yes, LOOP DIURETIC DOSE ¹⁴⁵⁷⁶
		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"/>	



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

Follow-up Assessment Date¹¹⁰⁰⁰: mm / dd / yyyy

Reference Episode Arrival Date/Time¹¹⁰⁰²: mm / dd / yyyy HH:MM

Reference Episode Discharge Date¹⁴³³⁸: mm / dd / yyyy

Reference Procedure Start Date/Time¹¹⁰⁰¹: mm / dd / yyyy HH:MM

Reference Procedure Type¹³⁷⁰⁵: TAVR TMVr TMVR Tricuspid Valve Procedure

Method(s) to Determine Status¹¹⁰⁰³:
 Office Visit Medical Records Letter from Medical Provider
 Phone Call Social Security Death Master File Hospitalized
 Obituary List CMS Linked Data Other

Follow-up Status¹¹⁰⁰⁴: Alive Deceased Lost to Follow-up

→ If Alive, **Residence**¹³⁸⁰⁵: Home with No Health Aid Home with Health Aid Long Term Care Other Not Documented¹⁴⁵¹¹

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

→ If Deceased, **Cause of Death**¹¹⁰⁰⁷:
 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

Hemoglobin¹³⁷⁷⁵: _____ g/dL Not Drawn¹⁴³²⁶ **Creatinine**¹³³¹⁰: _____ mg/dL Not Drawn¹³³¹¹

NYHA Classification¹³⁶⁸⁸: I II III IV Not Documented¹⁴³³³

12-Lead ECG Performed¹³⁶⁸⁹: No Yes

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

FOLLOW-UP IMAGING – ECHOCARDIOGRAM AND 4D CT

Echocardiogram¹³⁴⁹²: Yes - TTE Yes - TEE Not Performed¹⁴⁵¹² → If Yes, **Date**¹³⁵⁹³: mm / dd / yyyy

→ If Yes, **LVEF**¹³⁶⁹⁰: _____ % LVEF Not Assessed¹³⁶⁹¹

→ If Yes, **Aortic Valve Mean Gradient**¹³⁶⁷⁶: _____ mm Hg

→ If Yes, **Aortic Regurgitation**¹³⁵²⁷: None Trace/Trivial Mild Moderate Severe

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

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

→ If => Trace/Trivial **Paravalvular Regurgitation**¹⁴⁵⁰⁶: None Mild Moderate Severe Not Documented¹⁴⁵²⁹

→ If => Trace/Trivial, **Central Regurgitation**¹⁴⁵⁰²: None Mild Moderate Severe Not Documented¹⁴⁴⁹²

→ If Yes, **TV Diastolic Gradient**¹⁴⁵⁴⁵: _____ mm Hg Not Documented¹⁴⁵⁴⁶

→ If Yes, **TV Annulus Size**¹⁴⁵⁴⁷: _____ mm Not Documented¹⁴⁵⁴⁸

→ If Yes, **End-Diastolic Mid-RV Diameter**¹⁴⁵⁴⁹: _____ cm (4 chamber view) Not Documented¹⁴⁵⁵⁰

→ If Yes, **End-Diastolic Basal-RV Diameter**¹⁴⁵⁵¹: _____ cm (4 chamber view) Not Documented¹⁴⁵⁵²

→ If Yes, **Right Ventricular Systolic Pressure**¹⁴⁵⁵³: (highest) _____ mm Hg Not Documented¹⁴⁵⁵⁴

4D CT Performed¹³⁶⁹²: No Yes

→ If Yes, **Date**¹³⁶⁹³: mm / dd / yyyy

→ If Yes, **Valve Thrombosis Noted**¹³⁶⁹⁴: No Yes

→ If Yes, **Leaflet Dysfunction Noted**¹³⁶⁹⁵: No Yes

FOLLOW-UP SIX MINUTE WALK TEST AND KCCQ

Six Minute Walk Test¹³⁷⁸⁹: No Yes

→ If Yes, **Test Date**¹³⁷⁹⁰: mm / dd / yyyy → If Yes, **Total Distance**¹⁴³²⁵: _____ ft

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

KCCQ-12 Performed¹³⁸⁴⁵: No Yes → If Yes, **KCCQ-12 Date**¹³⁸⁴⁴: mm / dd / yyyy

→ If Yes, **KCCQ-12**^{13847, 69, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68}: (see separate questionnaire)
Q1a: _____ **Q1b:** _____ **Q1c:** _____ **Q2:** _____ **Q3:** _____ **Q4:** _____
Q5: _____ **Q6:** _____ **Q7:** _____ **Q8a:** _____ **Q8b:** _____ **Q8c:** _____

KCCQ Summary Score¹⁴⁵³⁵: (calculated) _____



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FOLLOW-UP MEDICATIONS						
CATEGORY	MEDICATION CODE ¹¹⁹⁹⁰	PRESCRIBED ¹³⁶⁹⁶				→ If Yes, LOOP DIURETIC DOSE ¹⁴⁵⁷⁷
		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) ¹²⁹³³	EVENT(S) OCCURRED ¹⁴²⁷⁶	→ IF YES, EVENT DATE(S) ¹⁴²⁷⁷
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
COVID-19	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Deep Vein Thrombosis	<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 Fracture	<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
Myocardial Infarction	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
PCI	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Permanent Pacemaker	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Pulmonary Embolism	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Readmission – (Non-Valve Related)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Readmission – (Valve Related)	<input type="radio"/> No <input type="radio"/> Yes	mm / dd / yyyy
Reintervention – Tricuspid Valve (Complete event info)	<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



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FOLLOW-UP EVENT INFORMATION (COMPLETE FOR EACH TV RE-INTERVENTION DURING FOLLOW-UP)

Event¹⁴³⁸⁵: _____ **Event Date**¹⁴³⁸⁶: _____ mm / dd / yyyy

Tricuspid Valve Re-intervention (follow-up)

Status¹⁴³⁸⁷: Alive Deceased →If Deceased, **Date of Death**¹⁴³⁸⁸: _____ mm / dd / yyyy

Clinical Comments¹⁴⁴⁶³:

→IF EVENT¹⁴³⁸⁵ = TRICUSPID VALVE RE-INTERVENTION (FOLLOW-UP)

Tricuspid Valve Re-intervention Type¹⁴⁴⁰⁸: Surgical Replacement Surgical Repair Transcatheter Replacement
 Balloon Valvuloplasty Leaflet Clip Procedure Paravalvular Leak Closure
 Other Transcatheter Intervention

TV Re-intervention Primary Indication¹⁴⁴⁰⁹:

Regurgitation Stenosis Device Embolization Device Fracture Device Migration
 Endocarditis Paravalvular Leak Device Thrombosis Valve Injury Other

→If Regurgitation, **TV Regurg**¹⁴⁴¹⁰: None Trace/Trivial Mild Moderate Severe