



Patient ID:	
DEMOGRAPHICS	
Sex	<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Unknown
Patient Gender Identity	<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Female-to-Male (FTM)/Transgender Male/Trans Man <input type="radio"/> Male-to-Female (MTF)/Transgender Female/Trans Woman <input type="radio"/> Genderqueer, neither exclusively male nor female <input type="radio"/> Additional gender category or other. _____ <input type="radio"/> Did not disclose.
Patient-Identified Sexual Orientation	<input type="radio"/> Straight or heterosexual <input type="radio"/> Lesbian or gay <input type="radio"/> Bisexual <input type="radio"/> Queer, pansexual, and/or questioning <input type="radio"/> Something else; please specify: _____ <input type="radio"/> Don't know <input type="radio"/> Declined to answer
Date of Birth	____/____/____ MM DD YYYY
Age	_____
Patient Postal Code	_____ <input type="checkbox"/> Homeless
Payment Source	<input type="checkbox"/> Medicare <input type="checkbox"/> Private/HMO/PPO/Other <input type="checkbox"/> Medicaid <input type="checkbox"/> VA/CHAMPVA/Tricare <input type="checkbox"/> Medicare – Private/HMO/PPO/Other <input type="checkbox"/> Self-pay/No Insurance <input type="checkbox"/> Medicaid – Private/HMO/PPO/Other <input type="checkbox"/> Other/Not Documented/UTD
Race and Ethnicity	
Race	<input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Black or African American <input type="checkbox"/> Asian <input type="checkbox"/> Native Hawaiian or Pacific Islander <input type="checkbox"/> Asian Indian <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Chinese <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Filipino <input type="checkbox"/> Samoan <input type="checkbox"/> Japanese <input type="checkbox"/> Other Pacific Islander <input type="checkbox"/> Korean <input type="checkbox"/> White <input type="checkbox"/> Vietnamese <input type="checkbox"/> UTD <input type="checkbox"/> Other Asian
Hispanic Ethnicity	<input type="radio"/> Yes <input type="radio"/> No/UTD
If yes,	<input type="checkbox"/> Mexican, Mexican American, Chicano/a <input type="checkbox"/> Cuban <input type="checkbox"/> Puerto Rican <input type="checkbox"/> Another Hispanic, Latino, or Spanish Origin
ADMISSION	
Arrival Date/Time	____/____/____ ____:____ MM DD YYYY HH : MM
Point of Origin for Admission	<input type="radio"/> Home <input type="radio"/> Transfer from another Health Care Facility <input type="radio"/> Transfer from a Hospital (Different Facility) <input type="radio"/> Non-Healthcare Facility Point of Origin <input type="radio"/> Clinic <input type="radio"/> Transfer from Hospice and is Under a Hospice Plan of Care or Enrolled in a Hospice Program

	<input type="radio"/> Transfer from a Skilled Nursing Facility (SNF) or Intermediate Care Facility (ICF) <input type="radio"/> Information not available
Referring Hospital	
Referring hospital arrival date/time:	____/____/____ ____:____ MM DD YYYY HH : MM
Referring hospital discharge date/time	____/____/____ ____:____ MM DD YYYY HH : MM
Initial point of hospital arrival	<input type="radio"/> Emergency Department <input type="radio"/> Direct to inpatient unit- ICU <input type="radio"/> Direct to inpatient unit- Non- ICU <input type="radio"/> Cath Lab/Operating Room <input type="radio"/> Other

Medical History

Medical History (Select all that apply):

<input type="checkbox"/> None <input type="checkbox"/> Atrial fibrillation or flutter <input type="checkbox"/> Cardiac amyloidosis <input type="checkbox"/> Chronic pulmonary disease <input type="checkbox"/> Diabetes Mellitus <input type="checkbox"/> Heart Failure- Reduced EF <ul style="list-style-type: none"> <input type="checkbox"/> Ischemic Cardiomyopathy <input type="checkbox"/> Non-ischemic Cardiomyopathy <input type="checkbox"/> History of heart transplantation <input type="checkbox"/> Presence of durable left ventricular assist device (LVAD) <input type="checkbox"/> Presence of implantable cardioverter defibrillator (ICD) <input type="checkbox"/> Presence of biventricular pacemaker (CRT) <input type="checkbox"/> Hypertension <input type="checkbox"/> Isolated right ventricular failure <input type="checkbox"/> Smoking / Vaping <ul style="list-style-type: none"> <input type="checkbox"/> Cigarette use <input type="checkbox"/> E-cigarette use <input type="checkbox"/> Vaping <input type="checkbox"/> Unknown / Unable to Determine	<input type="checkbox"/> Atherosclerotic vascular disease <ul style="list-style-type: none"> <input type="checkbox"/> Cerebrovascular disease (including previous TA/CVA) <input type="checkbox"/> Coronary Artery Disease (CAD) <input type="checkbox"/> Peripheral Arterial Disease <input type="checkbox"/> Prior CABG <input type="checkbox"/> Prior MI <input type="checkbox"/> Prior PCI <input type="checkbox"/> Chronic Kidney Disease <ul style="list-style-type: none"> <input type="checkbox"/> Chronic hemodialysis <input type="checkbox"/> Chronic liver disease <input type="checkbox"/> Congenital Heart Disease <input type="checkbox"/> Emerging Infectious Disease <ul style="list-style-type: none"> <input type="checkbox"/> MERS <input type="checkbox"/> SARS-COV-1 <input type="checkbox"/> SARS-COV-2 (COVID-19) <input type="checkbox"/> Other infectious respiratory pathogen <input type="checkbox"/> Heart Failure – Preserved EF <input type="checkbox"/> Hypertrophic cardiomyopathy <input type="checkbox"/> Pulmonary hypertension <input type="checkbox"/> Valvular heart disease
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Medications at Hospital Admission

Medications Used Prior to Admission: *[Select all that apply]*

<input type="checkbox"/> No medications prior to admission <input type="checkbox"/> Angiotensin Receptor Blocker (ARB) <input type="checkbox"/> Anticoagulation Therapy <ul style="list-style-type: none"> <input type="checkbox"/> Direct oral anticoagulant <input type="checkbox"/> Warfarin <input type="checkbox"/> Other <input type="checkbox"/> Antiplatelet medications	<input type="checkbox"/> ACE Inhibitor <input type="checkbox"/> Angiotensin Receptor Neprilysin Inhibitor (ARNI) <input type="checkbox"/> Anti-hyperglycemic medications <ul style="list-style-type: none"> <input type="checkbox"/> Insulin <input type="checkbox"/> Oral <input type="checkbox"/> Beta – Blocker
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<input type="checkbox"/> Aspirin <input type="checkbox"/> P2Y12 Inhibitors <input type="checkbox"/> Other Antiplatelet		<input type="checkbox"/> Home IV Inotropes <input type="checkbox"/> Mineralocorticoid Receptor Antagonist (MRA) <input type="checkbox"/> Unknown / Unable to Determine	
<input type="checkbox"/> GLP-1 agonist <input type="checkbox"/> Loop Diuretic <input type="checkbox"/> SGLT2 Inhibitor			
Exams/Labs at Admission			
Date/Time of vital signs		___/___/___ :___ MM/DD/YYYY HH:MM	<input type="checkbox"/> Unknown
Initial Vital signs	Height - Admission	_____ <input type="radio"/> inches <input type="radio"/> cm	<input type="checkbox"/> Not Documented
	Weight - Admission	_____ <input type="radio"/> Lbs. <input type="radio"/> Kgs.	<input type="checkbox"/> Not Documented
	BMI - Admission	_____ (Automatically Calculated)	
	BSA - Admission	_____ (Automatically Calculated)	
	Heart Rate - Admission	_____ bpm	<input type="checkbox"/> Not Documented
	BP - Admission	___/___ mmHg (systolic/diastolic)	<input type="checkbox"/> Not Documented
	Temperature - Admission	_____ <input type="radio"/> C <input type="radio"/> F	<input type="checkbox"/> Not Documented
Admission Labs	Lactate - Admission	_____ (mmol/L)	<input type="checkbox"/> Unavailable
	Hgb - Admission	_____ <input type="radio"/> g/dL <input type="radio"/> g/L	<input type="checkbox"/> Unavailable
	NT-proBNP - Admission	_____ <input type="radio"/> pg/mL <input type="radio"/> ng/L	<input type="checkbox"/> Unavailable
	BNP - Admission	_____ <input type="radio"/> pg/mL <input type="radio"/> pmol/L <input type="radio"/> ng/L	<input type="checkbox"/> Unavailable
	Serum Creatinine - Admission	_____ <input type="radio"/> mg/dL <input type="radio"/> micromol/L	<input type="checkbox"/> Unavailable
	ALT (IU/L) - Admission	_____	<input type="checkbox"/> Unavailable
	Platelet Count (mm ³) - Admission	_____	<input type="checkbox"/> Unavailable
	Troponin - Admission	_____ <input type="radio"/> ng/L <input type="radio"/> ng/mL <input type="radio"/> ug/L	
		<input type="checkbox"/> Troponin Unavailable - Admission	<input type="checkbox"/> Troponin below limit of detection - Admission
Random Blood Glucose - Admission	_____ (mg/dL)	<input type="checkbox"/> Unavailable	
Most favorable neurological status at admission	<input type="radio"/> Conscious without severe disability <input type="radio"/> Conscious with severe disability <input type="radio"/> Comatose <input type="radio"/> Unable to assess due to sedation <input type="radio"/> Unknown/Not Documented		
SHOCK ONSET			
Certainty of shock etiology	<input type="radio"/> Cardiogenic shock was a clear contributor to the shock state <input type="radio"/> Cardiogenic shock was a suspected but with some uncertainty		
Where was the onset of Cardiogenic Shock present?	<input type="radio"/> Shock present on participating hospital arrival <input type="radio"/> Shock onset while in-hospital		

	<input type="radio"/> Shock onset at referring hospital	
Cardiac arrest prior to shock onset?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown/Not Documented	
[IF YOU ANSWERED 'YES' TO THE QUESTION ABOVE] Most favorable neurological status after the arrest and <u>prior to hospital discharge</u>	<input type="radio"/> Conscious without severe disability <input type="radio"/> Conscious with severe disability <input type="radio"/> Comatose <input type="radio"/> Unable to assess due to sedation <input type="radio"/> Unknown/Not Documented	
Onset of shock (Date/Time):	___/___/___ ___:___ MM/DD/YYYY HH:MM	<input type="radio"/> Unknown
Was a multidisciplinary shock team involved in patient management?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not documented	
If multidisciplinary shock team was involved, select the timeframe	<input type="radio"/> Within 3hrs of shock onset <input type="radio"/> Within 6hrs of shock onset <input type="radio"/> Within 24hrs of shock onset <input type="radio"/> >24hrs of shock onset <input type="radio"/> Unknown/not documented	
SCAI Shock Stage at Onset (first 6hrs)	<input type="radio"/> Deceased <input type="radio"/> Stage B <input type="radio"/> Stage C	<input type="radio"/> Stage D <input type="radio"/> Stage E <input type="radio"/> ND/Unable to Determine
SCAI Shock Stage Serial assessment (Assessed at 6h-12h)	<input type="radio"/> Deceased <input type="radio"/> Stage B <input type="radio"/> Stage C	<input type="radio"/> Stage D <input type="radio"/> Stage E <input type="radio"/> ND/Unable to Determine
Signs and Symptoms of Inadequate Perfusion Present?	<input type="radio"/> Yes <input type="radio"/> No	
Presenting Physiology	<input type="radio"/> Biventricular Failure <input type="radio"/> Left Ventricular Failure <input type="radio"/> Right Ventricular Failure	<input type="radio"/> Primary Other Cardiac (Arrhythmia, Valvular Stenosis, etc.) <input type="radio"/> Not Documented
Cardiogenic shock category	<input type="radio"/> Acute, de novo HF <input type="radio"/> Acute-on-chronic HF	<input type="radio"/> Unable to determine
Etiologies and Contributors to Cardiogenic Shock:	<input type="checkbox"/> None of the causes below <input type="checkbox"/> ACS/AMI <input type="checkbox"/> STEMI <input type="checkbox"/> NSTEMI <input type="checkbox"/> COVID-19 related complication <input type="checkbox"/> LVAD complication <input type="checkbox"/> Myocarditis <input type="checkbox"/> Post-cardiac arrest <input type="checkbox"/> Takotsubo cardiomyopathy <input type="checkbox"/> Valvular dysfunction <input type="checkbox"/> Unknown	<input type="checkbox"/> Acute Transplant Rejection <input type="checkbox"/> Arrhythmia <input type="checkbox"/> Bradyarrhythmia <input type="checkbox"/> Tachyarrhythmia <input type="checkbox"/> Isolated Right Heart Failure <input type="checkbox"/> Acute PE <input type="checkbox"/> Pulmonary HTN <input type="checkbox"/> Other Isolated Right Heart Failure <input type="checkbox"/> Mechanical complication of MI <input type="checkbox"/> Peripartum <input type="checkbox"/> Post-cardiopulmonary bypass <input type="checkbox"/> Tamponade <input type="checkbox"/> Other (Specify) _____
Medications at Shock Onset		
Medications administered at onset of shock (<i>Select all that apply</i>)	<input type="checkbox"/> No Medications administered at onset of shock <input type="checkbox"/> Anticoagulation Therapy	<input type="checkbox"/> Vasoactive Medications (IV Continuous, during first 6 hours after shock onset) <input type="checkbox"/> Dobutamine <input type="checkbox"/> Dopamine <input type="checkbox"/> Epinephrine

	<input type="checkbox"/> Direct oral anticoagulant <input type="checkbox"/> Warfarin <input type="checkbox"/> IV heparin <input type="checkbox"/> Other <input type="checkbox"/> Antiplatelet Medication: <input type="checkbox"/> Aspirin <input type="checkbox"/> P2Y12 Inhibitors <input type="checkbox"/> Other Antiplatelet	<input type="checkbox"/> Levosimendan <input type="checkbox"/> Milrinone <input type="checkbox"/> Nitroprusside <input type="checkbox"/> Norepinephrine <input type="checkbox"/> Phenylephrine <input type="checkbox"/> Vasopressin <input type="checkbox"/> Not Documented
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Exams/Labs at Shock Onset

Enter parameters closest to shock onset. (To be entered only if shock onset was after arrival)

Date/Time of vital signs (closest to shock onset)	___/___/____ __:___	<input type="checkbox"/> Not Documented
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Vital signs (closest to shock onset)	Height	_____ <input type="radio"/> inches <input type="radio"/> cm	<input type="checkbox"/> Not Documented
	Weight	_____ <input type="radio"/> lbs <input type="radio"/> kg	<input type="checkbox"/> Not Documented
	BMI	_____ (Automatically Calculated)	
	BSA	_____ (Automatically Calculated)	
	Heart Rate	_____ bpm	<input type="checkbox"/> Not Documented
	BP	___/___ mmHg (systolic/diastolic)	<input type="checkbox"/> Not Documented
	Temperature	_____ <input type="radio"/> C <input type="radio"/> F	<input type="checkbox"/> Not Documented

Labs (Closest to shock onset)	Lactate	_____ (mmol/L)	<input type="checkbox"/> Unavailable
	Hgb	_____ <input type="radio"/> g/dL <input type="radio"/> mg/L	<input type="checkbox"/> Unavailable
	NT-proBNP	_____ <input type="radio"/> pg/mL <input type="radio"/> ng/L	<input type="checkbox"/> Unavailable
	BNP	_____ <input type="radio"/> pg/mL <input type="radio"/> pmol/L <input type="radio"/> ng/L	<input type="checkbox"/> Unavailable
	SCr	_____ <input type="radio"/> mg/dL <input type="radio"/> μmol/L	<input type="checkbox"/> Unavailable
	ALT	_____ <input type="radio"/> IU/L	<input type="checkbox"/> Unavailable
	Platelet Count	_____ (mm ³)	<input type="checkbox"/> Unavailable
	Troponin (Peak related to shock onset)	_____ <input type="radio"/> ng/mL <input type="radio"/> ug/L <input type="radio"/> ng/L	<input type="checkbox"/> Unavailable <input type="checkbox"/> Below limit of detection
	Random Blood Glucose	_____ (mg/dL)	<input type="checkbox"/> Unavailable

TRANSFER TAB

Assessment From Transferring Facility

Date/Time of Assessment - Transfer	___/___/____ __:___ MM/DD/YYYY HH:MM	<input type="radio"/> Unknown/Not Documented
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Presence of a Pulmonary Artery Catheter (PAC)	<input type="radio"/> Yes <input type="radio"/> No
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Presence of Mechanical Ventilation	<input type="radio"/> Yes <input type="radio"/> No
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Presence of renal replacement therapy	<input type="radio"/> Yes <input type="radio"/> No
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For the measurements elements below, enter accurate parameters closest to assessment time

BP: (Systolic/Diastolic)	_____ / _____ mm/Hg	<input type="radio"/> Not Documented
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Heart Rate	_____ bpm	<input type="radio"/> Not Documented
CVP/RA	_____ mmHg	<input type="radio"/> Not Documented
Pa Pressure (Systolic/Diastolic)	_____ / _____ mmHg	<input type="radio"/> Not Documented
PCWP	_____ mmHg	<input type="radio"/> Not Documented
Cardiac Output	_____ L/min	<input type="radio"/> Not Documented
MAP (Auto-calculated)	_____ mmHg	<input type="radio"/> Not Documented
PAPi (Auto-calculated)	_____ w	<input type="radio"/> Not Documented
CPO (Auto-calculated)	_____ w	<input type="radio"/> Not Documented
Peak Lactate prior to transfer	_____ mmol/L	<input type="radio"/> Not Documented
Lowest pH prior to transfer	_____	<input type="radio"/> Not Documented
Peak ALT prior to transfer	_____ IU/L	<input type="radio"/> Not Documented
Vasoactive Medications at time of assessment	<input type="checkbox"/> None <input type="checkbox"/> Dobutamine <input type="checkbox"/> Dopamine <input type="checkbox"/> Epinephrine <input type="checkbox"/> Levosimendan <input type="checkbox"/> Milrinone	<input type="checkbox"/> Nitroprusside <input type="checkbox"/> Norepinephrine <input type="checkbox"/> Phenylephrine <input type="checkbox"/> Vasopressin <input type="checkbox"/> Not Documented <input type="checkbox"/> Other (Specify): _____

Presence of MCS Device(s) at assessment	<input type="checkbox"/> None <input type="checkbox"/> Impella <input type="checkbox"/> Impella 2.5 <input type="checkbox"/> Impella CP <input type="checkbox"/> Impella ECP <input type="checkbox"/> Impella 5.0 <input type="checkbox"/> Impella 5.5 <input type="checkbox"/> Impella RP <input type="checkbox"/> VA Ecmo <input type="checkbox"/> IABP	<input type="checkbox"/> IVAC <input type="checkbox"/> TandemHeart <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Temporary surgical VAD (e.g. CentriMag) <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Implanted surgical assist device <input type="checkbox"/> Pulsatile-Flow Devices <input type="checkbox"/> Continuous-Flow Devices <input type="checkbox"/> Other (Specify): _____
Vascular Complication requiring intervention:	<input type="radio"/> Yes	<input type="radio"/> No
Date/Time of vascular complication requiring intervention	____/____/____ :____ MM/DD/YYYY HH:MM	<input type="radio"/> Not Documented
Other complications of ECMO	<input type="radio"/> Pulmonary hemorrhage requiring intervention <input type="radio"/> Refractory pulmonary edema <input type="radio"/> Other (specify): _____	

IN-HOSPITAL CARE

Cardiovascular Procedures During this Hospitalization			
<input type="checkbox"/> No Procedures <input type="checkbox"/> Cardiac Cath/Coronary Angiography <input type="checkbox"/> Cardiac Transplantation Date/Time of transplantation: ____/____/____ :____ <input type="checkbox"/> Coronary Artery Bypass Graft (CABG) Date/Time of CABG: ____/____/____ :____ <input type="checkbox"/> Electrophysiology (EP) procedure Date/Time of EP: ____/____/____ :____ <input type="checkbox"/> Percutaneous Cardiac Intervention (PCI) Date/Time of PCI: ____/____/____ :____ <input type="checkbox"/> Pulmonary embolectomy (surgical or transcatheter) <input type="checkbox"/> Targeted temperature management <input type="checkbox"/> Other Procedures/Advanced therapies (Specify): _____	<input type="checkbox"/> Mechanical Circulatory Support Device/VAD Date/Time of FIRST MCS: ____/____/____ :____ Percutaneous Assist Devices <input type="checkbox"/> IABP <input type="checkbox"/> Impella <input type="checkbox"/> TandemHeart <input type="checkbox"/> VA ECMO <input type="checkbox"/> iVAC <input type="checkbox"/> Other VAD Surgical Assist Devices <input type="checkbox"/> Temporary external device (e.g. CentriMag) <input type="checkbox"/> Implanted surgical assist device <input type="checkbox"/> Continuous-Flow Devices <input type="checkbox"/> Pulsatile-Flow Devices Date/Time of implantation: ____/____/____ :____		
Was a right heart catheterization or pulmonary artery catheterization performed?	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Unknown/Not Documented
Date/time of <u>first</u> RHC/PAC	____/____/____ :____ MM/DD/YYYY HH:MM		<input type="radio"/> Unknown
Was the PA catheter used for a period of hemodynamic monitoring outside the Cath Lab/OR?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown/Not Documented		
Was the patient managed with invasive mechanical ventilation at any time during the hospitalization?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown/Not Documented		

Primary indication for advanced respiratory therapy	<input type="radio"/> Airway protection only (other than cardiac arrest) <input type="radio"/> Cardiac arrest without respiratory failure <input type="radio"/> Chronic dependence on mechanical ventilation <input type="radio"/> Procedural sedation / anesthesia and recovery <input type="radio"/> Respiratory insufficiency <input type="radio"/> Other	
Date/Time of first intubation related to this hospitalization	____/____/____ ____:____ MM/DD/YYYY HH:MM	<input type="radio"/> Unknown
Extubation?	<input type="radio"/> Yes <input type="radio"/> No	
Date/Time of extubation	____/____/____ ____:____ MM/DD/YYYY HH:MM	<input type="radio"/> Unknown
Was patient managed with renal replacement therapy at any time during the hospitalization?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown/Not Documented	
If Yes, Select type of renal replacement therapy used	<input type="radio"/> Accelerated venovenous hemofiltration (AVVH) <input type="radio"/> Continuous venovenous hemofiltration (CVVH) <input type="radio"/> Emergent or urgent hemodialysis <input type="radio"/> Routine hemodialysis for patient with end-stage renal dialysis (ESRD) <input type="radio"/> Unknown/Not Documented	
Primary Indications for advanced renal therapy (Select all that apply)	<input type="checkbox"/> Acidemia <input type="checkbox"/> Hyperkalemia <input type="checkbox"/> Severe uremia <input type="checkbox"/> Volume overload causing hemodynamic or respiratory compromise <input type="checkbox"/> Volume overload in the absence of any of the above <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Unknown/Not Documented	
Data for Patient transferred to ICU from any other floor in the hospital		
Was the patient admitted to ICU at any point during this hospitalization?	<input type="radio"/> Yes	<input type="radio"/> No
ICU Admission Date/Time	____/____/____ ____:____ MM/DD/YYYY HH:MM	<input type="radio"/> Unknown
ICU discharge (transfer out) Date/Time	____/____/____ ____:____ MM/DD/YYYY HH:MM	<input type="radio"/> Unknown
Number of days patient was in ICU (<i>auto-calc.</i>)	_____	
Clinical Outcomes		
Record the Time/Date of the FIRST event of each type		
Severe/Moderate GUSTO bleeding event:	<input type="radio"/> Yes <input type="radio"/> No	
Date/Time GUSTO detected:	____/____/____ ____:____ MM/DD/YYYY HH:MM	<input type="radio"/> Not Documented
Intracranial Hemorrhage	<input type="radio"/> Yes <input type="radio"/> No	
Date/Time Intracranial Hemorrhage detected	____/____/____ ____:____ MM/DD/YYYY HH:MM	<input type="radio"/> Not Documented
Cardiac Arrest	<input type="radio"/> Yes <input type="radio"/> No	
Date/Time Cardiac Arrest detected	____/____/____ ____:____ MM/DD/YYYY HH:MM	<input type="radio"/> Not Documented
Stroke	<input type="radio"/> Yes <input type="radio"/> No	

Date/Time Stroke detected	___/___/____ _:_ MM/DD/YYYY HH:MM	<input type="radio"/> Not Documented
Complications from procedures during this admission:	<input type="checkbox"/> No complications from procedures <input type="checkbox"/> Acute Limb ischemia <input type="checkbox"/> Amputation <input type="checkbox"/> Fasciotomy <input type="checkbox"/> Arterial non-CNS thrombosis <input type="checkbox"/> Bleeding – Vascular access site – MCS-Related	<input type="checkbox"/> Bleeding – Vascular access site – Other access site <input type="checkbox"/> Bleeding – Other site <input type="checkbox"/> Cardiac tamponade <input type="checkbox"/> Vascular injury (any) <input type="checkbox"/> Venous thromboembolism <input type="checkbox"/> Other (Specify): _____
MECHANICAL CIRCULATORY SUPPORT FORM		
Section to be completed for each device implanted		
Implanted Device – VA ECMO	<input type="checkbox"/> ECMO (VA)	
Date/Time of Implant Procedure – VA ECMO	___/___/____ _:_ (MM/DD/YYYY HH:MM)	<input type="radio"/> Unknown/ND
Died with implant in place – VA ECMO	<input type="radio"/> Yes <input type="radio"/> No	
Device explant date/Time VA ECMO:	___/___/____ _:_ (MM/DD/YYYY HH:MM)	
Arterial Implant Site – VA ECMO:	<input type="radio"/> Right <input type="radio"/> Right – Axillary <input type="radio"/> Right – Femoral <input type="radio"/> Left <input type="radio"/> Left – Axillary <input type="radio"/> Left – Femoral <input type="radio"/> Central	
Venous Implant Site – VA ECMO:	<input type="radio"/> Right <input type="radio"/> Right – Axillary <input type="radio"/> Right – Femoral <input type="radio"/> Left <input type="radio"/> Left – Axillary <input type="radio"/> Left – Femoral <input type="radio"/> Central	
Receiving CPR at time of Implant – VA ECMO	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown/ND	
Reason for device implant – VA ECMO (Select all that apply)	<input type="checkbox"/> Critical Left Main/Severe CAD <input type="checkbox"/> Incessant Arrhythmia <input type="checkbox"/> Refractory Ischemia <input type="checkbox"/> Shock <input type="checkbox"/> Severe Heart Failure without Shock <input type="checkbox"/> Severe Valvular Dysfunction <input type="checkbox"/> Supported PCI <input type="checkbox"/> Ventricular Septal Defect <input type="checkbox"/> Left-ventricular venting during VA-ECMO <input type="checkbox"/> Other reason for device implant (Specify): _____	
Vascular closure applied – VA ECMO:	<input type="checkbox"/> Collagen-based plug with MANTA <input type="checkbox"/> Dry-based <input type="checkbox"/> Manuel compression (Femostop) <input type="checkbox"/> Planned open surgical repair <input type="checkbox"/> Suture-based (Proglide, Prostar XL) <input type="checkbox"/> Other (Specify): _____	

Implanted Device – IABP	<input type="checkbox"/> IABP		
	<input type="radio"/> 25 cc	<input type="radio"/> 30 cc	<input type="radio"/> 34 cc <input type="radio"/> 40 cc <input type="radio"/> 50 cc
Date/Time of Implant Procedure – IABP	__/__/____ __:__ (MM/DD/YYYY HH:MM)		<input type="radio"/> Unknown
Died with implant in place – IABP	<input type="radio"/> Yes <input type="radio"/> No		
Device explant date/Time IABP:	__/__/____ __:__ (MM/DD/YYYY HH:MM)		
Arterial Implant Site - IABP:	<input type="radio"/> Right <input type="radio"/> Right – Axillary <input type="radio"/> Right - Femoral <input type="radio"/> Left <input type="radio"/> Left – Axillary <input type="radio"/> Left - Femoral <input type="radio"/> Central		
Receiving CPR at time of Implant - IABP	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Unknown/ND
Reason for device implant – IABP (Select all that apply)	<input type="checkbox"/> Critical Left Main/Severe CAD <input type="checkbox"/> Incessant Arrhythmia <input type="checkbox"/> Refractory Ischemia <input type="checkbox"/> Shock <input type="checkbox"/> Severe Heart Failure without Shock <input type="checkbox"/> Severe Valvular Dysfunction <input type="checkbox"/> Supported PCI <input type="checkbox"/> Ventricular Septal Defect <input type="checkbox"/> Left-ventricular venting during VA-ECMO <input type="checkbox"/> Other reason for device implant (Specify): _____		
Vascular closure applied – IABP:	<input type="checkbox"/> Collagen-based plug with MANTA <input type="checkbox"/> Dry-based <input type="checkbox"/> Manuel compression (Femostop) <input type="checkbox"/> Planned open surgical repair <input type="checkbox"/> Suture-based (Proglide, Prostar XL) <input type="checkbox"/> Other (Specify):_____		
Implanted Device – Impella	<input type="checkbox"/> Impella		
	<input type="checkbox"/> Impella 2.5	<input type="checkbox"/> Impella 5.0	<input type="checkbox"/> Impella 5.5
	<input type="checkbox"/> Impella CP	<input type="checkbox"/> Impella 5.5	<input type="checkbox"/> Impella RP
	<input type="checkbox"/> Impella ECP	<input type="checkbox"/> Impella RP	
Date/Time of Implant Procedure – Impella	__/__/____ __:__ (MM/DD/YYYY HH:MM)		<input type="radio"/> Unknown
Died with implant in place – Impella	<input type="radio"/> Yes <input type="radio"/> No		
Device explant date/Time Impella:	__/__/____ __:__ (MM/DD/YYYY HH:MM)		
Arterial Implant Site - Impella:	<input type="radio"/> Right <input type="radio"/> Right – Axillary <input type="radio"/> Right - Femoral <input type="radio"/> Left <input type="radio"/> Left – Axillary <input type="radio"/> Left - Femoral <input type="checkbox"/> Central		
Receiving CPR at time of Implant - Impella	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Unknown/ND
Reason for device implant – Impella (Select all that apply)	<input type="checkbox"/> Critical Left Main/Severe CAD <input type="checkbox"/> Incessant Arrhythmia <input type="checkbox"/> Refractory Ischemia		

	<input type="checkbox"/> Shock <input type="checkbox"/> Severe Heart Failure without Shock <input type="checkbox"/> Severe Valvular Dysfunction <input type="checkbox"/> Supported PCI <input type="checkbox"/> Ventricular Septal Defect <input type="checkbox"/> Left-ventricular venting during VA-ECMO <input type="checkbox"/> Other reason for device implant (Specify): _____
Vascular closure applied – Impella:	<input type="checkbox"/> Collagen-based plug with MANTA <input type="checkbox"/> Dry-based <input type="checkbox"/> Manuel compression (Femostop) <input type="checkbox"/> Planned open surgical repair <input type="checkbox"/> Suture-based (Proglide, Prostar XL) <input type="checkbox"/> Other (Specify):_____
Implanted Device – iVAC	<input type="checkbox"/> iVAC
Date/Time of Implant Procedure – iVAC	__/__/____ __:__ (MM/DD/YYYY HH:MM) <input type="radio"/> Unknown
Died with implant in place – iVAC	<input type="radio"/> Yes <input type="radio"/> No
Device explant date/Time iVAC:	__/__/____ __:__ (MM/DD/YYYY HH:MM)
Arterial Implant Site - iVAC:	<input type="radio"/> Right <input type="radio"/> Right – Axillary <input type="radio"/> Right - Femoral <input type="radio"/> Left <input type="radio"/> Left – Axillary <input type="radio"/> Left - Femoral <input type="checkbox"/> Central
Venous Implant Site - iVAC:	<input type="radio"/> Right <input type="radio"/> Right – Axillary <input type="radio"/> Right - Femoral <input type="radio"/> Left <input type="radio"/> Left – Axillary <input type="radio"/> Left - Femoral <input type="checkbox"/> Central
Receiving CPR at time of Implant – iVAC	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown/ND
Reason for device implant – iVAC (Select all that apply)	<input type="checkbox"/> Critical Left Main/Severe CAD <input type="checkbox"/> Incessant Arrhythmia <input type="checkbox"/> Refractory Ischemia <input type="checkbox"/> Shock <input type="checkbox"/> Severe Heart Failure without Shock <input type="checkbox"/> Severe Valvular Dysfunction <input type="checkbox"/> Supported PCI <input type="checkbox"/> Ventricular Septal Defect <input type="checkbox"/> Left-ventricular venting during VA-ECMO <input type="checkbox"/> Other reason for device implant (Specify): _____
Vascular closure applied – iVAC:	<input type="checkbox"/> Collagen-based plug with MANTA <input type="checkbox"/> Dry-based <input type="checkbox"/> Manuel compression (Femostop) <input type="checkbox"/> Planned open surgical repair <input type="checkbox"/> Suture-based (Proglide, Prostar XL) <input type="checkbox"/> Other (Specify):_____
Implanted Device – TandemHeart	<input type="checkbox"/> TandemHeart

Date/Time of Implant Procedure – TandemHeart	__/__/____ __:__ (MM/DD/YYYY HH:MM) <input type="radio"/> Unknown
Died with implant in place – TandemHeart	<input type="radio"/> Yes <input type="radio"/> No
Device explant date/Time TandemHeart:	__/__/____ __:__ (MM/DD/YYYY HH:MM)
Arterial Implant Site - TandemHeart:	<input type="radio"/> Right <input type="radio"/> Right – Axillary <input type="radio"/> Right - Femoral <input type="radio"/> Left <input type="radio"/> Left – Axillary <input type="radio"/> Left - Femoral <input type="radio"/> Central
Venous Implant Site - TandemHeart:	<input checked="" type="radio"/> Right <input type="radio"/> Right – Axillary <input type="radio"/> Right – Femoral <input type="radio"/> Right - Jugular <input type="radio"/> Left <input type="radio"/> Left – Axillary <input type="radio"/> Left – Femoral <input type="radio"/> Left- Jugular <input type="checkbox"/> Central
Receiving CPR at time of Implant – TandemHeart	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown/ND
Reason for device implant – Tandemheart (Select all that apply)	<input type="checkbox"/> Critical Left Main/Severe CAD <input type="checkbox"/> Incessant Arrhythmia <input type="checkbox"/> Refractory Ischemia <input type="checkbox"/> Shock <input type="checkbox"/> Severe Heart Failure without Shock <input type="checkbox"/> Severe Valvular Dysfunction <input type="checkbox"/> Supported PCI <input type="checkbox"/> Ventricular Septal Defect <input type="checkbox"/> Left-ventricular venting during VA-ECMO <input type="checkbox"/> Other reason for device implant (Specify): _____
Vascular closure applied – TandemHeart:	<input type="checkbox"/> Collagen-based plug with MANTA <input type="checkbox"/> Dry-based <input type="checkbox"/> Manuel compression (Femostop) <input type="checkbox"/> Planned open surgical repair <input type="checkbox"/> Suture-based (Proglide, Prostar XL) <input type="checkbox"/> Other (Specify):_____
Implanted Device – Temporary surgical VAD (e.g. CentriMag)	<input type="checkbox"/> Temporary surgical VAD <input type="checkbox"/> Temporary surgical VAD - Left <input type="checkbox"/> Temporary surgical VAD - Right
Date/Time of Implant Procedure – Temporary surgical VAD (e.g. CentriMag)	__/__/____ __:__ (MM/DD/YYYY HH:MM) <input type="radio"/> Unknown
Died with implant in place – Temporary surgical VAD (e.g. CentriMag)	<input type="radio"/> Yes <input type="radio"/> No
Device explant date/Time – Temporary surgical VAD (e.g. CentriMag):	__/__/____ __:__ (MM/DD/YYYY HH:MM)

Arterial Implant Site - Temporary surgical VAD (e.g. CentriMag):	<input type="radio"/> Right <input type="radio"/> Right - Axillary <input type="radio"/> Right - Femoral <input type="radio"/> Left <input type="radio"/> Left - Axillary <input type="radio"/> Left - Femoral <input type="checkbox"/> Central		
Receiving CPR at time of Implant - Temporary surgical VAD (e.g. CentriMag)	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Unknown/ND
Reason for device implant - Temporary surgical VAD (e.g. CentriMag) (Select all that apply)	<input type="checkbox"/> Critical Left Main/Severe CAD <input type="checkbox"/> Incessant Arrhythmia <input type="checkbox"/> Refractory Ischemia <input type="checkbox"/> Shock <input type="checkbox"/> Severe Heart Failure without Shock <input type="checkbox"/> Severe Valvular Dysfunction <input type="checkbox"/> Supported PCI <input type="checkbox"/> Ventricular Septal Defect <input type="checkbox"/> Left-ventricular venting during VA-ECMO <input type="checkbox"/> Other reason for device implant (Specify): _____		
Vascular closure applied - Temporary surgical VAD (e.g. CentriMag):	<input type="checkbox"/> Collagen-based plug with MANTA <input type="checkbox"/> Dry-based <input type="checkbox"/> Manuel compression (Femostop) <input type="checkbox"/> Planned open surgical repair <input type="checkbox"/> Suture-based (Proglide, Prostar XL) <input type="checkbox"/> Other (Specify):_____		
Implanted Device - Other	<input type="checkbox"/> Other Device		
Specify other device:	_____		
Date/Time of Implant Procedure - Other	_/_/____ _:_ (MM/DD/YYYY HH:MM)		<input type="radio"/> Unknown
Died with implant in place - Other	<input type="radio"/> Yes	<input type="radio"/> No	
Device explant date/Time Other:	_/_/____ _:_ (MM/DD/YYYY HH:MM)		
Arterial Implant Site - Other:	<input type="radio"/> Right <input type="radio"/> Right - Axillary <input type="radio"/> Right - Femoral <input type="radio"/> Left <input type="radio"/> Left - Axillary <input type="radio"/> Left - Femoral <input type="checkbox"/> Central		
Venous Implant Site - Other:	<input type="radio"/> Right <input type="radio"/> Right - Axillary <input type="radio"/> Right - Femoral <input type="radio"/> Left <input type="radio"/> Left - Axillary <input type="radio"/> Left - Femoral <input type="checkbox"/> Central		
Receiving CPR at time of Implant - Other	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Unknown/ND
Reason for device implant - Other (Select all that apply)	<input type="checkbox"/> Critical Left Main/Severe CAD <input type="checkbox"/> Incessant Arrhythmia <input type="checkbox"/> Refractory Ischemia <input type="checkbox"/> Shock		

	<input type="checkbox"/> Severe Heart Failure without Shock <input type="checkbox"/> Severe Valvular Dysfunction <input type="checkbox"/> Supported PCI <input type="checkbox"/> Ventricular Septal Defect <input type="checkbox"/> Left-ventricular venting during VA-ECMO <input type="checkbox"/> Other reason for device implant (Specify): _____			
Vascular closure applied – Other:	<input type="checkbox"/> Collagen-based plug with MANTA <input type="checkbox"/> Dry-based <input type="checkbox"/> Manuel compression (Femostop) <input type="checkbox"/> Planned open surgical repair <input type="checkbox"/> Suture-based (Proglide, Prostar XL) <input type="checkbox"/> Other (Specify):_____			
ECMO TAB				
Pre-ECMO Events				
Select any current device(s) supporting patient pre-ECMO <i>[Device(s) already selected from the MCS tab will be auto-populated here]</i>	<input type="checkbox"/> None <input type="checkbox"/> Intra-Aortic Balloon Pump (IABP) <input type="checkbox"/> Impella (any) <input type="checkbox"/> Tandem Heart <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Temporary surgical VAD (e.g. CentriMag) <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Other (Specify): _____			
Circumstances of ECMO Cannulation (select all that apply):	<input type="checkbox"/> Planned for patient deterioration (Prophylactic) <input type="checkbox"/> Emergent (ECPR or Salvage) <input type="checkbox"/> Failure to Wean from CPB <input type="checkbox"/> Progression of Illness Despite Established VAD/ Temporary Mechanical Circulatory Support / IABP			
GCS Score (if assessed immediately pre-ECMO)	_____	○ GCS not assessed		
Is there an ELSO record for this patient?	○ Yes	○ No	○ Unknown/Not Documented	
If yes, enter ELSO Patient Record Number (optional)	_____			
Vascular Access & Initiation of ECMO				
Date/Time ECMO started	___/___/_____:__			○ Unknown
Cannulation anatomical site (check all that apply) <i>[repeat for each cannula placed]</i>	Cannulation anatomical Site	Cannula size (Fr)	Cannula manufacturer	Cannula Model
	<input type="checkbox"/> Right internal jugular vein			
	<input type="checkbox"/> Right Femoral Artery			
	<input type="checkbox"/> Left Femoral Artery			
	<input type="checkbox"/> Right Femoral Vein			
	<input type="checkbox"/> Left Femoral Vein			
	<input type="checkbox"/> Other (Specify):_____			
	<input type="checkbox"/> Aorta (Central)			
	<input type="checkbox"/> Right Atrium (Central)			
<input type="checkbox"/> Left Atrium (Central)				
<input type="checkbox"/> Pulmonary Artery (Central)				

	<input type="checkbox"/> Unknown/Not Documented		
Type of cannulation	<input type="radio"/> Central	<input type="radio"/> Peripheral	<input type="radio"/> Unknown/Not Documented
Purpose	<input type="radio"/> Central	<input type="radio"/> Peripheral	<input type="radio"/> Unknown/Not Documented
Date/Time of insertion	__/__/______:__ MM DD YYYY HH : MM		<input type="radio"/> Unknown
Was this cannula removed for a reason other than death?	<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Not Documented
Date/Time of removal	__/__/______:__ MM DD YYYY HH : MM		<input type="radio"/> Unknown
LV Decompression			
LV Decompression Procedures (select all that apply) and date/time of procedure, if known:	<input type="checkbox"/> None/Not Performed		
	<input type="checkbox"/> Atrial Septostomy	Date/Time: __/__/______:__	
	<input type="checkbox"/> LA Vent	Date/Time: __/__/______:__	
	<input type="checkbox"/> LV Vent	Date/Time: __/__/______:__	
	<input type="checkbox"/> PA Vent	Date/Time: __/__/______:__	
	<input type="checkbox"/> Intra-Aortic Balloon Pump	Date/Time: __/__/______:__	
	<input type="checkbox"/> Transaortic Valve Impella	Date/Time: __/__/______:__	
	<input type="checkbox"/> L-VAD	Date/Time: __/__/______:__	
	<input type="checkbox"/> R-VAD	Date/Time: __/__/______:__	
<input type="checkbox"/> Other (Specify): _____	Date/Time: __/__/______:__		
Rationale for Decompression on ECLS (select one):	<input type="radio"/> Decreased pulse pressure on Arterial Waveform <input type="radio"/> Evidence of Ischemia <input type="radio"/> Institutional routine	<input type="radio"/> Lack of native ejection <input type="radio"/> Progressive Pulmonary Edema on CXR <input type="radio"/> Other (Specify): _____	
ECMO Cannulation Location (area)			
ECMO Cannulation Location:	<input type="radio"/> Another hospital (pre-transfer) <input type="radio"/> Ambulatory/Outpatient Area <input type="radio"/> Adult cardiac ICU (CICU) <input type="radio"/> Adult general ICU <input type="radio"/> Cardiac Catheterization Lab <input type="radio"/> Delivery Suite <input type="radio"/> Diagnostic/Intervention. Area (excluding Cath Lab)	<input type="radio"/> Emergency Department (ED) <input type="radio"/> Operating Room (OR) <input type="radio"/> Post-Anesthesia Recovery Unit (PACU) <input type="radio"/> Same-day Surgical Area <input type="radio"/> Telemetry unit or Step-down unit <input type="radio"/> Other (Specify) _____ <input type="radio"/> Unknown/Not Documented	
Team Member(s) Performing ECMO Cannulation:	<input type="checkbox"/> Anesthesiologist <input type="checkbox"/> ER Physician <input type="checkbox"/> Intensive care physician <input type="checkbox"/> Interventional Cardiologist <input type="checkbox"/> Perfusionist	<input type="checkbox"/> Registered Nurse (RN) <input type="checkbox"/> Surgeon (cardiac/cardiothoracic) <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown/Not Documented	
ECMO Circuit and Components			
Pump	Manufacturer:	_____	
	Pump Name:	_____	

Common device used (e.g., Cardiohelp)	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown / Not Documented		
Console/Drive unit Manufacturer / Name:	_____		
Oxygenator Manufacturer / Name	_____		
Safety features incorporated in the ECMO circuit for this event	<input type="checkbox"/> Bridge <input type="checkbox"/> Bubble detectors <input type="checkbox"/> O2 saturation monitor <input type="checkbox"/> Pressure alarms	<input type="checkbox"/> Transonic flow meter <input type="checkbox"/> Venous bladder and pump controller <input type="checkbox"/> Other (Specify): _____	
Was any component exchanged or replaced?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown/ Not Documented		
Component Exchanged	<input type="radio"/> Console <input type="radio"/> Heat Exchanger	<input type="radio"/> Oxygenator <input type="radio"/> Other (Specify): _____	
Reason(s) for exchange	_____		
Date/time of exchange	__/__/____:____ MM DD YYYY HH : MM		
Additional exchange(s)	If applicable, multiple instances of Component Exchanged/Replaced repeat group can be added to the form		
Component Exchanged #2	<input type="radio"/> Console <input type="radio"/> Heat Exchanger	<input type="radio"/> Oxygenator <input type="radio"/> Other (Specify): _____	
Exchange #2 reason	_____		
Date/Time of exchange #2	__/__/____:____ MM DD YYYY HH : MM		
Neurologic injury or events detected during ECMO or after ECMO (Less than 6 weeks after separation from ECMO or by Hospital Discharge, which ever one comes first). (check all that apply):			
<input type="checkbox"/> No Neurological injury or events detected during ECMO or after ECMO			
Anoxic Brain Injury	<input type="radio"/> Yes <input type="radio"/> No	Date/Time detected: __/__/____:____	
Brain death	<input type="radio"/> Yes <input type="radio"/> No	Date/Time detected: __/__/____:____	
Cerebral Microbleeds	<input type="radio"/> Yes <input type="radio"/> No	Date/Time detected: __/__/____:____	
New clinical seizure(s)	<input type="radio"/> Yes <input type="radio"/> No	Date/Time detected: __/__/____:____	
Spinal cord ischemia	<input type="radio"/> Yes <input type="radio"/> No	Date/Time detected: __/__/____:____	
Other Complications/Events [Relevant options already captured will be auto-populated]			
Device-Related Events	<input type="checkbox"/> None <input type="checkbox"/> Air embolism <input type="checkbox"/> Circuit clots	<input type="checkbox"/> Oxygenator failure <input type="checkbox"/> Pump failure	<input type="checkbox"/> Tubing rupture <input type="checkbox"/> Other (Specify): _____
Other ECMO complications/events	<input type="checkbox"/> None <input type="checkbox"/> Differential hypoxia (Harlequin syndrome)	<input type="checkbox"/> Left ventricular distention <input type="checkbox"/> Pulmonary hemorrhage	<input type="checkbox"/> Pulmonary edema <input type="checkbox"/> Other (Specify): _____
Outcomes /End of Event			
Date/Time ECMO ended	__/__/____:____ MM DD YYYY HH : MM		<input type="radio"/> Unknown/Not Documented
SAVE (Survival After Veno-Arterial ECMO) Score	_____ <input type="checkbox"/> Not Documented		

Reason(s) ECMO ended	<input type="checkbox"/> Converted to other support <input type="checkbox"/> ECMO complication <input type="checkbox"/> Limited resources <input type="checkbox"/> Patient (or family) refused treatment <input type="checkbox"/> Patient recovered/improved	<input type="checkbox"/> Significant deterioration <input type="checkbox"/> Transition to surgical LVAD <input type="checkbox"/> Transplant (Heart/Lung) <input type="checkbox"/> Patient died <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> Unknown
SERIAL SHOCK ASSESSMENT		
Select if serial assessments were NOT performed	<input type="checkbox"/>	
Date/Time of Assessment – Serial Assessment	___/___/___ :___ (MM/DD/YYYY HH:MM)	<input type="radio"/> Unknown
Hours since Shock Onset – Serial Assessment	_____	
SCAI Stage:	<input type="radio"/> Shock has resolved <input type="radio"/> Stage B <input type="radio"/> Stage C	<input type="radio"/> Stage D <input type="radio"/> Stage E <input type="radio"/> ND/Unable to Determine
Presence of a Pulmonary Artery Catheter (PAC)	<input type="radio"/> Yes <input type="radio"/> No	
Presence of Mechanical Ventilation	<input type="radio"/> Yes <input type="radio"/> No	
Presence of renal replacement therapy	<input type="radio"/> Yes <input type="radio"/> No	
For the measurement elements below, enter accurate parameters closest to assessment time		
BP: (Systolic/Diastolic)	___ / ___ mmHg	<input type="radio"/> Not Documented
Heart Rate	_____ bpm	<input type="radio"/> Not Documented
CVP/RA	_____ mmHg	<input type="radio"/> Not Documented
Pa Pressure (Systolic/Diastolic)	___ / ___ mm/Hg	<input type="radio"/> Not Documented
PCWP	_____ mmHg	<input type="radio"/> Not Documented
Cardiac Output	_____ L/min	<input type="radio"/> Not Documented
MAP (Auto-calculated)	_____ mmHg	<input type="radio"/> Not Documented
PAPi (Auto-calculated)	_____ w	<input type="radio"/> Not Documented
CPO (Auto-calculated)	_____	<input type="radio"/> Not Documented
Peak Lactate since the last assessment	_____ mmol/L	<input type="radio"/> Not Documented
Lowest pH since last assessment	_____	<input type="radio"/> Not Documented
Peak ALT since last assessment	_____ IU/L	<input type="radio"/> Not Documented
Vasoactive Medications at time of assessment	<input type="checkbox"/> None <input type="checkbox"/> Dobutamine <input type="checkbox"/> Dopamine <input type="checkbox"/> Epinephrine <input type="checkbox"/> Levosimendan <input type="checkbox"/> Milrinone	<input type="checkbox"/> Nitroprusside <input type="checkbox"/> Norepinephrine <input type="checkbox"/> Phenylephrine <input type="checkbox"/> Vasopressin <input type="checkbox"/> Not Documented <input type="checkbox"/> Other Vasoactive Medication (Specify): _____

Presence of MCS Device(s) at assessment	<input type="checkbox"/> None <input type="checkbox"/> Impella <ul style="list-style-type: none"> <input type="checkbox"/> Impella 2.5 <input type="checkbox"/> Impella CP <input type="checkbox"/> Impella ECP <input type="checkbox"/> Impella 5.0 <input type="checkbox"/> Impella 5.5 <input type="checkbox"/> Impella RP <input type="checkbox"/> VA ECMO <input type="checkbox"/> IABP <input type="checkbox"/> TandemHeart <ul style="list-style-type: none"> <input type="checkbox"/> TandemHeart - Left <input type="checkbox"/> TandemHeart - Right 	<input type="checkbox"/> Temporary Surgical VAD (e.g. CentriMag) <ul style="list-style-type: none"> <input type="checkbox"/> Temporary surgical VAD - Left <input type="checkbox"/> Temporary surgical VAD - Right <input type="checkbox"/> Implanted surgical assist device <ul style="list-style-type: none"> <input type="checkbox"/> Pulsatile-Flow Devices <input type="checkbox"/> Continuous-Flow Devices <input type="checkbox"/> Other MCS
Was there a device upgrade/escalation since the prior assessment?	<input type="radio"/> Yes	<input type="radio"/> No
Select reason(s) for device upgrade or escalation since the prior assessment	<input type="checkbox"/> None/Not Documented <input type="checkbox"/> Device-related complication of failure <input type="checkbox"/> Inadequate response to vasoactive medications	<input type="checkbox"/> Need for escalation to greater hemodynamic support from MCS <input type="checkbox"/> Switch to alternative MCS access site (e.g. fem to axillary)
Was there a device de-escalation since the prior assessment?	<input type="radio"/> Yes	<input type="radio"/> No
Select reason(s) for device upgrade or escalation since the prior assessment	<input type="checkbox"/> Change in goals of care <input type="checkbox"/> Durable LVAD or heart transplant	<input type="checkbox"/> MCS no longer needed <input type="checkbox"/> Transition to central cannulated device
Vascular complication requiring intervention?	<input type="radio"/> Yes	<input type="radio"/> No
Date/Time of vascular intervention:	____/____/____ ____:____ <input type="radio"/> (MM/DD/YYYY HH:MM)	<input type="radio"/> Unknown
Other complications of ECMO	<input type="checkbox"/> Pulmonary hemorrhage requiring intervention <input type="checkbox"/> Refractory pulmonary edema	<input type="checkbox"/> Other (Specify):
DISCHARGE INFORMATION		
Discharge disposition	<input type="checkbox"/> Home <input type="checkbox"/> Hospice - Home <input type="checkbox"/> Hospice - Health Care Facility <input type="checkbox"/> Acute Care Facility <input type="checkbox"/> Other Health Care Facility	<input type="checkbox"/> Expired <input type="checkbox"/> Left Against Medical Advise (AMA) <input type="checkbox"/> Not documented or Unable to Determine (UTD)
Date/Time of Discharge from hospital:	____/____/____ ____:____ (MM/DD/YYYY HH:MM)	<input type="checkbox"/> Unknown
Most favorable neurological status at discharge	<input type="radio"/> Conscious without severe disability <input type="radio"/> Conscious with severe disability <input type="radio"/> Comatose <input type="radio"/> Unable to assess due to sedation <input type="radio"/> Unknown/Not Documented	

If patient died, Date/Time of death	___/___/____ _:___ (MM/DD/YYYY HH:MM)	<input type="radio"/> Not Documented
Primary cause of death	<input type="radio"/> Cardiovascular <input type="radio"/> Non-Cardiovascular <input type="radio"/> Unknown	
If Cardiovascular:	<input type="radio"/> Acute Coronary Syndrome <input type="radio"/> Cardiogenic Shock/HF <input type="radio"/> Stroke	<input type="radio"/> Sudden Cardiac Death <input type="radio"/> Other Cardiovascular <input type="radio"/> Unknown Cardiovascular
If Non-Cardiovascular	<input type="radio"/> Anoxic brain injury <input type="radio"/> Other non-cardiovascular	
If Other Health Care Facility:	<input type="radio"/> Skilled Nursing Facility (SNF) <input type="radio"/> Inpatient Rehabilitation Facility (IRF)	<input type="radio"/> Long Term Care Hospital (LTCH) <input type="radio"/> Intermediate Care Facility (ICF) <input type="radio"/> Other
Transferred to:	_____	
Reason for Transfer	<input type="radio"/> Administrative <input type="radio"/> De-escalation of care <input type="radio"/> Escalation of care	<input type="radio"/> Need for transplant services <input type="radio"/> Patient / Family Request <input type="radio"/> Other
Social Determinants of Health		
During this admission, was a standardized health related social needs form or assessment completed?	<input type="radio"/> Yes <input type="radio"/> No/Not Documented	
If yes, identify the areas of unmet social need. (select all that apply):	<input type="checkbox"/> None of the areas of unmet social need listed <input type="checkbox"/> Education <input type="checkbox"/> Employment <input type="checkbox"/> Financial Strain <input type="checkbox"/> Food <input type="checkbox"/> Living Situation/Housing <input type="checkbox"/> Mental Health <input type="checkbox"/> Personal Safety <input type="checkbox"/> Substance Abuse <input type="checkbox"/> Transportation Barriers <input type="checkbox"/> Utilities	
END OF FORM		