## GWTG-CAD Case Record Form (CRF)

June 2023

Patient ID:							
STEMI Band ID:							
STEMI Band Not Documente	ed:						
DEMOGRAPHICS TAB							
Sex: O Male	0 Female	0	Unknown				
Patient Gender Identity:		O Malo O Gen O Add					
Other Patient Gende	er Identity						
Patient-Identified Sexual Or	ientation:			<ul> <li>Straight or heterosexual</li> <li>Lesbian or gay</li> <li>Bisexual</li> <li>Queer, pansexual, and/or questioning</li> <li>Something else; please specify</li> <li>Don't know</li> <li>Declined to answer</li> </ul>			
Other Patient-Identi	fied Sexual Orientat	tion:					
Date of Birth:	//	_					
Age:	(auto calc	culated)					
Patient Zip Code:							
Payment Source:	☐ Medicare ☐ Medicare-Private ☐ Medicaid ☐ Medicaid - Priva ☐ Private/HMO/PP	te/HMO/	·	□ Indian Health Services			
Race and Ethnicity		<u> </u>					
Race:	☐ American Indian ☐ Black or African ☐ White ☐ Asian ☐ Asian Ind ☐ Chinese ☐ Filipino ☐ Japanese ☐ Korean ☐ Vietname ☐ Other As	American lian e ese		□ Native Hawaiian or Pacific Islander □ Native Hawaiian □ Guamanian or Chamorro □ Samoan □ Other Pacific Islander □ UTD			
Hispanic Ethnicity:	O Yes	0 No/	UTD				
If Yes,	□ Mexican, Mexica Chicano/a □ Cuban	ın Americ	•	] Puerto Rican ] Another Hispanic, Latino or Spanish Origin			
ADMIN TAB							
NPI							
Attending Physician/Provide	er NPI:						

Admitting Physician:						
ED Physician:						
Cardiology Consult:						
Physician interventionalist NPI:						
Discharge Physician/Provider NPI:						
Advanced Practitioner Provider NPI:						
Other Physician:						
ARRIVAL TAB						
Arrival Date/Time:		_/_/:				
Means of transport to this facility:		<ul> <li>Air</li> <li>Ambulance (ground)</li> <li>Private vehicle</li> <li>Transfer from another acute care facility</li> </ul>				
Patient first evaluated (at this facility):		O ED O Cath Lab O Observation O Inpatient O Other (please specify)				
Date/Time of ED discharge		//: Unknown				
ED Disposition		<ul> <li>Admission</li> <li>Expired</li> <li>Home Left Against Medical Advice</li> <li>Transfer to Acute Care</li> <li>Transfer to Observation Unit</li> </ul>				
Admission Date/Time:		//: Unknown				
Discharge Date/Time:		_/_/:				
TRANSFER DATA [shows when ED Disposition = Transfer to Acute Co	are]					
Facility the patient was transferred to:						
Reason(s) for transfer from this facility:		Advanced Cardiac Care (monitoring) CABG Patient/Family Choice Post Thrombolytic Care Primary PCI Other medical reason				
Mode of transport (transfer out):	0	Air O Ambulance				
Transport requested Date/Time:		//:				
Inter-facility transport EMS Agency name/numbe (transfer out):	er					
Was there a documented reason for delay in transfer (from this facility)?	0					
Reason(s) for delay in transfer (from this facility):		such as cardiopulmonary arrest, respiratory failure (requiring intubation)				

		ravel advisory due to inclement weather waiting air transport* Delay in receiving hospital accepting patient*			
	☐ Ground transport unavailable* ☐ Other reason* (please specify)				
ECG		y the reason (prease specing)			
1st ECG Date/Time:	_/_/_	: 🗆 Unknown			
1st ECG obtained: O Pr	rior to Hospital Arrival	O After First Hospital Arrival			
Pre-hospital ECG Finding	O STEMI O LBBB (new or presumed new) O Isolated Posterior MI O Other O Not Documented				
ED Physician Review of Pr	re-hospital ECG	O No STEMI O ND Noted Noted			
Was there a documented reason 1st ECG?	for delay in obtaining	O Yes O No			
Reason(s) for delay in ob	taining 1 <sup>st</sup> ECG:	<ul> <li>□ Cardiac Arrest</li> <li>□ Need for additional PPE for suspected/ confirmed infectious disease</li> <li>□ Need for advanced airway placement (Intubation)</li> <li>□ Patient/ family consent</li> <li>□ ECG equipment failure*</li> <li>□ Other reason* (please specify)</li> </ul>			
ECG Read Date/Time		/ / : Unknown			
ECG Revealed STEMI or STEMI Eq	uivalent?	O Yes O No			
If yes, ECG revealed:	uivaterit:	O ST Elevation O Isolated O New LBBB Posterior MI			
If yes, STEMI or STEMI equ	uivalent first noted:	O First ECG O Subsequent ECG			
If subsequent ECC ECG:	G, Date/Time of positive	//:: Unknown			
STEMI Alert Activated		O Yes O No			
Date/Time of STEMI Alert		//: 🗆 Unknown			
STEMI Alert Activated by:	<ul> <li>Emergency Departr</li> <li>EMS</li> <li>Inpatient</li> <li>Observation</li> <li>Transferring Facility</li> <li>Other</li> </ul>				
Final Clinical Diagnosis	<ul> <li>Confirmed AMI – STEMI</li> <li>Confirmed AMI – non-STEMI</li> <li>Confirmed AMI – STEMI/Non-STEMI</li> <li>Unstable Angina</li> <li>Angina not specified Chest Pain (cardiac)</li> <li>Chest Pain (non cardiac) (please specify)</li> <li>Noncardiac condition</li> </ul>				
PRE-HOSPITAL TAB		O Not in a healthcare setting			
Patient location where cardiac s	ymptoms discovered:	<ul> <li>Not in a healthcare setting</li> <li>ACS event occurred after hospital arrival (in ED/Obs/Inpatient)</li> <li>Another acute care facility</li> <li>Chronic healthcare facility</li> </ul>			

	Outpatient healthcare setting					
		O ND or Cannot be determined				
Symptom onset Date/Time:	//: Unknown					
Means of arrival at first facility:		O Air				
		O Ambulance (ground)				
		O Private vehicle				
EMS Time Tracker Data		Transfer from acute care facility				
Lifts fille fracker bata						
Date/time of Initial 911 Call for Help:		//: Unknown				
EMS Dispatch Date/Time:		//: 🗆 Unknown				
EMS arrive on scene:		//: 🗆 Unknown				
EMS First Medical Contact:		//: 🗆 Unknown				
Non-EMS First Medical Contact:		//: Unknown				
Was there a documented reason for scene delay by EMS?	J	O Yes O No				
Reason(s) for scene delay by EMS:		<ul> <li>□ Cardiac Arrest</li> <li>□ Need for additional PPE for suspected/ confirmed infectious disease</li> <li>□ Need for advanced airway placement (Intubation)</li> <li>□ Patient/ family consent</li> <li>□ Access to patient (EMS Documented)*</li> <li>□ Awaiting transport*</li> <li>□ Language barrier*</li> <li>□ Mechanical issue (transport unit)*</li> <li>□ Weather*</li> <li>□ Other reason* (please specify)</li> </ul>				
EMS depart scene:		/ / : Unknown				
Destination Pre-arrival alert or notification:		/ / : □ Unknown				
EMS Agency name/number:						
Method of 1st notification:		O ECG O Phone O Radio O ND				
		Transmission call				
Run/Sequence number:						
Out of Hospital Cardiac Arrest						
Cardiac Arrest prior to Arrival?		O Yes O No				
If yes, was CPR performed by a bystander?		O Yes O No O Yes O No				
Return of Spontaneous Circulation (ROSC)  Date and time of ROSC		O Yes				
	مانيين					
If yes, was therapeutic hypothermia initiated episode of care?	auring	O Yes O No				
Transfer Time Tracker Data						
[show when means of transport to this facility = tra	nster 1	from another acute care facility]				
Transferring Facility:						
Mode of transport to this facility:	nir O Ambulance					
Inter-facility transport EMS Agency name/number:						
Reason(s) for transfer to this facility:	□ A □ C □ P	Administrative Advanced Cardiac Care (monitoring) CABG Patient/Family Choice Post Thrombolytic Care				

			5						
			☐ Other medical reason ☐ Other reason (please specify)						
Arrival at First hospital Date	e/Time:		/ / :						
Transport Arrived Date/Time	e:		/ / : □ Unknown						
Transfer out Date/Time:		_	/ / :						
Was there a documented re	eason for delay in	0							
transfer (to this facility)?									
Reason(s) for delay in transfer (to this facility):		sud int Par Tro Aw De Gro	Management of concomitant emergent/acute conditions uch as cardiopulmonary arrest, respiratory failure (requiring attent/ family consent ravel advisory due to inclement weather waiting air transport* Delay in receiving hospital accepting patient* Fround transport unavailable* Other reason* (please specify)						
CARDIAC EVALUATIONS TA	В		,						
Patient Medical History:	☐ Atrial Fibrillation ☐ Atrial Flutter ☐ Cancer ☐ Cerebrovascular Disease ☐ Stroke ☐ TIA ☐ Currently on Dial ☐ Diabetes Mellitus ☐ Type 1 ☐ Type 2 ☐ ND ☐ Dyslipidemia ☐ Familial ☐ Hypercholesterol ☐ Emerging Infection Disease ☐ MERS ☐ SARS-CON ☐ COVID-19	emia pus V-1 V-2	If Prior PCI, Most Recent PCI Date:/ □ Unknown						
History of Smoking?		0	O Yes O No						
History of vaping or e-cigar	ette use in the past 12		O Yes O No/ND						
months?  Medications Prior to Admiss	ion								
☐ No medications prior to									
Anticoagulants prior to adn Anticoagulant Medi O Apixaban O Dabigitran O Rivaroxaban O Warfarin O Other	nission O Yes O No/N	ID							

Anti-hyperglycemics prior to admission O Yes O No/ND Anti-hyperglycemic Medications:  □ Biguanide □ DPP-4 Inhibitor						
□ GLP-1 Receptor Agonist □ Insulin □ SGLT2 Inhibitor □ Sulfonylurea □ Thiazolidinedrone						
☐ Other  Anti-hypertensives prior to admission ○ Yes ○ No/ND						
Anti-hypertensive Medications: □ ACEI						
□ Alpha-blocker □ ARB						
□ Beta-blocker □ Calcium channel blocker						
□ Diuretic □ Other						
Antiplatelets prior to admission O Yes O No/ND Antiplatelet Medications:						
□ Aspirin □ Clopidogrel (Plavix)						
□ Prasurel (Effient) □ Ticagrelor (Brilinta) □ Tichesidine (Tidid)						
□ Ticlopidine (Ticlid) Cholesterol Reducer prior to admission ○ Yes ○ No/ND						
Cholesterol Reducer Medications:						
☐ Bile Acid Sequestrants ☐ Ezetimbe						
□ Fibrates □ Niacin						
□ Omega-3 Fatty Acid □ PCSK9 Inhibitor						
☐ Statin  Vitals						
Heart rate documented on first medical contact:						
Heart rate documented - ND						
Systolic blood pressure on first medical contact:						
Systolic blood pressure – ND						
Heart failure documented on first medical contact  O Yes O No						
Cardiogenic shock documented on first medical contact  O Yes  O No						
Height (cm) Weight (kg)						
Height - ND						
Labs Positive cardiac biomarkers in the first 24 hours? O Yes O No						
Initial Troponin value Ong/mL Ong/L O ug/L O pg/ml						
Initial Troponin - ND						
Initial Troponin – ND  Date/Time of initial troponin results: //: Unknown						

Initial Serum Creatinine (mg/dL):										
Initial Serum Creatinine - ND										
LDL Cholesterol Val	esterol Value						I DI Not	Documen	ted:	
(mg/dL):										
LP(a) Value:			1.71					ot Docume	entea:	
LP(a) Unit:		O nm	ol/L				mg/dl			
Risk Scores			☐ EDACS					□ TIM	11	
Risk-Stratification Son Documented?	core		☐ GRACE ☐ HEART ☐ SYNTA		re			□ Oth	her	ratification Score ed
EDACS Score	e:	_				Grace Ris	sk Score:			
HEART Score:		-	SYN Sco	NTAX ore:			_		IMI Risk core	
LVF Obtained	<ul><li> W/ii</li><li> &gt; 1 \( \text{Q} \)</li><li> Plan</li></ul>	n the la Jear ag	Admission the last year ear ago ned After Discharge					LVF Assessr (%)	ment	
Was early diagnosti	ic coronary o	angiogr	aphy perfor	med?	)		○ Yes ○ No			
Date and tin	ne of diagno	stic and	giography:				//: Unknown			
Date and tin Documented	_	stic and	giography N	lot						
Reason for not performing early diagnostic o			c angiography			<ul><li>☐ Yes, medical reason</li><li>☐ Yes, patient reason</li><li>☐ Yes, system reason</li><li>☐ No Reason documented</li></ul>				
Non-invasive cardia	c stress test	during	this hospita	l episo	ode	):	O Yes	O No	O NC	
New Diagnosis Durir	ng this Admi	ssion								
Diabetes Mellitus			0,	⁄es	10	No/ND				
				Bac Eme I I I	MERS SARS-CC SARS-CC	ectious D DV-1 DV-2 (CO\		risease	□ Influenza □ Seasonal Cold □ Other Viral Infection	
Health Related Social Needs Assessment										
During this admission, was a standardized health related social needs form or assessment completed?										
If Yes, identify the areas of unmet social need (select all apply)			ide Ed Em Fir	cial need entified lucation nploymer nancial St od	train	unmet ere [ [ [	□ Men □ Perse □ Subs	ation/Housing tal Health onal Safety stance Use Disorder sportation Barriers		
Enrolled in Clinical Trial During Hospitalization					O Yes	O No				

If Yes, Type of Clinic (select all that appl	j)	f aspirin in protocol on therapy et therapies otensin-aldosterone system inhibitor ering therapy cemic control y):			
IN-HOSPITAL MEDICATIONS			is Faire de of Come		
Antiplatelet & Anticoagular	nt Medications	& Loading Dose During tr	IIS Episode of Care		
No antiplatelet or anticoag	ulant medicati	ions			
Aspirin Administration Was aspirin administered at Was aspirin adminis Was aspirin administered p	tered within 24	hours prior to arrival?	O Yes O No O NC O Yes O No O NC O Yes O No O NC		
Other Antiplatelet Medicati	ons				
Clopidogrel (Plavix) During Dosage:			○ Yes ○ No ○ NC ○75mg ○300mg ○600mg ○Other ○Unknown		
Prasugrel (Effient) During th Dosage:	is Episode		○ Yes ○ No ○ NC ○ 5mg ○ 10mg ○ Other ○ Unknown		
Ticagrelor (Brilinta) During t Dosage:	his Episode		○ Yes ○ No ○ NC ○ 90mg ○ 180mg ○ Other ○ Unknown		
Ticlopidine (Ticlid) During th Dosage:	nis Episode		○ Yes ○ No ○ NC ○ 250mg ○ Other ○ Unknown		
Anticoagulant Medications Bivalirudin (Angiomax) Duri	ng this Episode	e	○Yes ○No ○NC		
Heparin During this Episode	•		O Yes O No O NC		
Low Molecular Weight Hepo	arin (LMWH) Du	uring this Episode	○Yes ○No ○NC		
Vaccinations			O TES ONO ONC		
Influenza Vaccination:	season O Influenza not during O Documen O Allergy/se O Vaccine n	vaccine was received pric g this hospitalization Itation of patient's refusal ensitivity to influenza vacc ot available	cine or if medically contraindicated		
COVID-19 Vaccingtion:  COVID-19 Vaccingtion:  COVID-19 Vaccingtion:  COVID-19 Vaccingtion:			this hospitalization or to admission, not during this hospitalization of COVID-19 vaccine cine or if medically contraindicated		

COVID-19 Vaccination	Date The Process of the Covid-19 vaccination t		here documentation that spatient was included in a View O No/ND VID-19 vaccine trial?				
REPERFUSION TAB			To vaccine triat.				
Thrombolytics administered	d at this facilitu?		O Yes O No/ND				
	nistered prior to arrival?		<ul> <li>Yes, by transferring facility</li> <li>Yes, by EMS</li> <li>No/ND</li> </ul>				
Thrombolytic Dose S	Start Date/Time:		//:				
Thrombolytic medication:	<ul> <li>tenecteplase (TNKase)</li> <li>alteplase (Activase)</li> <li>reteplase (Retavase)</li> <li>Other (please specify)</li> </ul>						
Was there a docume	ented reason for delay in		O Yes O No				
thrombolytics?	Ğ						
	r delay in thrombolytics:		<ul> <li>□ Cardiac Arrest</li> <li>□ Need for additional PPE for suspected/confirmed infectious disease</li> <li>□ Need for advanced airway placement (Intubation)</li> <li>□ Patient/family consent</li> <li>□ Change in reperfusion strategy*</li> <li>□ Provider unable to administer thrombolytics*</li> <li>□ Other reason (please specify)</li> </ul>				
Reasons for not administering a thrombolytic  Was the patient brought	□ Active peptic ulcer □ Any prior intracranial he □ DNR at time of treatmer □ Expected DTB □ Intracranial neoplasm, A malformation, or aneury □ Ischemic stroke w/in 3 m acute ischemic stroke w/i □ Known bleeding diathes □ No Reason documented □ Patient/family refusal □ Pregnancy ○ Yes ○ No	nt decision  AV  ysm  nonths excep  ithin 3hrs  sis	☐ Prior allergic reaction to thrombolytics ☐ Recent bleeding within 4 weeks ☐ Recent surgery/trauma ☐ Severe uncontrolled hypertension ☐ Significant close head or facial trauma within previous 3 months ☐ Suspected aortic dissection ☐ Transferred for PCI ☐ Traumatic CPR that precludes thrombolytics ☐ Other (please specify)				
to the cath lab with the intention of performing PCI?							
PCI performed during this episode of care?	O Yes O No						
Reasons for not performing PCI	<ul> <li>□ Active bleeding on arrive hours</li> <li>□ Anatomy not suitable to a contract the latest time of treatments.</li> <li>□ No PCI Capability</li> <li>□ No reason documented to compressible vasce puncture(s).</li> </ul>	co primary PC ent decision	☐ Prior allergic reaction to IV contrast				

PCI Time Tracker Data	
Cath Lab	//: Unknown
Activation:	
Patient Arrival to	//:
Cath Lab:	
Team Arrival to	//::
Cath Lab:	
Interventionalist	//::
Arrival to Cath	
Lab:	
First PCI	//:: Unknown
Date/Time: PCI Indication	O Primary PCI for STEMI
PCI indication	<ul><li>Primary PCI for STEMI</li><li>PCI for STEMI (unstable, &gt;12 hr from sx onset)</li></ul>
	O PCI for STEMI (unstable, >12 hr from sx onset) O PCI for STEMI (stable, >12 hr from sx onset)
	O PCI for STEMI (stable after successful full-dose lytic)
	O PCI for STEMI (stable after successful fall-dose lytic)
	O Rescue PCI for STEMI (after failed full-dose lytic)
	O PCI for NSTEMI
	O Other
Was there a	O Yes O No
documented	
reason for delay in	
PCI?	
Reasons for	□ Cardiac Arrest
delay in	□ Difficult vascular access
PCI:	☐ Difficulty crossing the culprit lesion
	□ Need for additional PPE for suspected/ confirmed infectious disease
	☐ Need for advanced airway placement (Intubation)
	□ Need for Mechanical circulatory support prior to PCI
	□ Patient/ family consent
	□ Other reason please specify)
CABG During This	○ Yes ○ No
Admission:	
DISCHARGE TAB	
In-hospital Risk Adjusted	(auto calculated)
Mortality Score:	O 1 Harra
	O 1 – Home O 6 – Expired
Discharge Disposition:	<ul> <li>2 - Hospice-Home</li> <li>3 - Hospice-Healthcare Facility</li> <li>8 - Not Documented or Unable to</li> </ul>
	O 4 – Acute Care Facility Determine (UTD) O 5 – Other Health Care Facility
Comfort Measures Only?	O Yes O No If Yes, Date/Time: / / :
Comfort Measures Only:	o res o No in res, butte, fillie.
	□ Unknown
Referrals/Counseling and F	
	O Yes
Patient Referred to Cardiac	O No referral documented
Rehab?	O No-Medical Reason
	O No-Patient Oriented Reason
	O No-Healthcare System Reason
Smoking Cessation Counse	

Follow-up visit scheduled?	O Yes O I	No				
Date of first follow-up visit	//	′ □ Unk	nown			
Location of first follow-up visit  O Home health visit O Office visit O Telehealth O Not documented						
Discharge Medications						
ACEI at discharge	Prescribed	O Yes	O No	O NC		
ARB at discharge	Prescribed	O Yes	O No	O NC		
	Prescribed	O Yes	O No	O NC		
		Dose:	<ul><li>○ 75-100 mg</li><li>○ &gt;100 mg</li><li>○ Other</li><li>○ Unknown</li></ul>			
Aspirin at discharge	If yes,	Frequency:	<ul><li>Every Day</li><li>2 Times a day</li><li>3 Times a day</li><li>4 Times a day</li><li>Other</li><li>Unknown</li></ul>			
	Prescribed	O Yes	O No	O NC		
Clopidogrel at discharge	If yes,	Dose:	<ul><li>75mg</li><li>Other</li><li>Unknown</li><li>Every Day</li></ul>			
		Frequency:	O Other O Unknown			
	Prescribed	O Yes	O No	O NC		
Prasugrel at discharge	If yes,	Dose:	<ul><li>○ 5mg</li><li>○ 10mg</li><li>○ Other</li><li>○ Unknown</li></ul>			
	gcs,	Frequency:	<ul><li>○ Every Day</li><li>○ Other</li><li>○ Unknown</li></ul>			
	Prescribed	O Yes	O No	O NC		
Ticagrelor at discharge	If	Dose:	○ 90mg ○ Other ○ Unknown			
	yes,	Frequency:	○ 2 Times a day ○ Other ○ Unknown			
	Prescribed	O Yes	O No	O NC		
Ticlopidine at discharge	If yes,	Dose:	○ 250mg ○ Other ○ Unknown			
		Frequency:	○ 2 Times a day ○ Other ○ Unknown			
Anticoagulation at discharge	Prescribed	O Yes	O No	O NC		

			_				
		Class:	0 Warfarin	<ul><li>O Direct</li><li>Thrombin</li><li>Inhibitor</li></ul>	O Factor Xa Inhibitor		
	If yes,	Medication:	O Coumadin (warfarin)	O Dabigatran O Other Direct Thrombin Inhibitor	<ul><li>Apixaban</li><li>Edoxaban</li><li>Rivaroxaban</li><li>Other Factor</li><li>Xa Inhibitor</li></ul>		
		Dose:	N/A	O 75mg O 150 mg O Other O Unknown	1 2 3 4 5		
		Frequency:	N/A	0 2 Times a day 0 Other 0 Unknown	1 2 3		
Beta Blocker at discharge	Prescribed	O Yes	O No		O NC		
	Prescribed	O Yes	O No		O NC		
Statin at discharge	If yes,	Medication:	O atorvastatin O ezetimibe + O fluvastatin ( O fluvastatin ( O lovastatin e: O lovastatin + O pitavastatin O pravastatin O rosuvastatin O simvastatin	simvastatin (Vyto Lescol) Lescol XL) Mevacor) xtended release ( niacin (Advicor) (Livalo) (Pravachol) n (Crestor)	orin)		
		Statin Level of Intensity:	O Low	O Moder	ate O High		
Is there a non-system reason for not prescribing a high intensity statin medication?	☐ Yes, medical reason ☐ Yes, patient reason ☐ No						
Anti-hyperglycemic Medication Prescribed	O Yes O No	o ONC					
Anti-hyperglycemic Class	1. 2. 3. 4.						
Anti-hyperglycemic Medication	1. 2. 3.						

	4.
Was there a documented reason for not prescribing a medication with proven CVD benefit?	O Yes O No/ND
PCSK9 Inhibitor Prescribed	O Yes O No O NC
PCSK9 Medication	O alirocumab (Praluent) O evolocumab (Repatha) O inclisiran
Comments	
TIME METRICS TAB (AUTO-POPULAT	ED)
Symptom onset to FMC	
EMS FMC to ECG	
EMS Depart Scene to Hospital Arriva	ll entertain the second of the
Arrival at this Hospital to First ECG	
Time in ED	
Arrival to Transfer Out (DIDO) (Refer	ring Hospital)
Arrival at First Hospital to Transfer O	ut
EMS FMC to Cath Lab Activation	
Arrival to Cath Lab Activation	
EMS FMC to PCI	
Arrival at Referring Hospital to PCI	
Arrival at Receiving Hospital to PCI	