

Data Source	#	Section	Variable Name	Used in these Value Calculations on DAG's list	Variable Description	Type	Business Rules	Mandatory Field?	Additional
STEMI Receiving Center (SRC)	1	A	Onset_Date	14	Date of onset of symptoms	Date	MM/DD/YYYY	Y	unless onset date unknown check box is checked
STEMI Receiving Center (SRC)	1	A	Onset_Time	14	Time of onset of symptoms	Time	24 hour military clock	Y	00:00, unless onset date unknown check box is checked
STEMI Receiving Center (SRC)	2	A	DOB		Patient date of birth	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	3	A	Age		Age of pt on day of arrival to hospital	Number, up to a 3 figure	limited only to #'s, with a max of 115	Y	
STEMI Receiving Center (SRC)	4	A	Gender		Gender: M = Male F = Female T = Transgender	String	Drop Down	Y	Options: M = Male F = Female T = Transgender
STEMI Receiving Center (SRC)	5	A	Race		Patient race/	String	Drop Down	Y	Options: caucasian, african american, asian/pacific islander, latino
STEMI Receiving Center (SRC)	6	A	Ethnicity		Patient ethnicity	String	Drop Down	Y	Options: hispanic, non-hispanic
STEMI Receiving Center (SRC)	7	A	Pl_City		Patients city of residence	String	Drop Down w/ ability to fill in not from San Mateo County	Y	
STEMI Receiving Center (SRC)	8	A	Pl_Zipcode		Patient's zipcode of residence	Numeric	Drop Down w/ ability to fill in not from San Mateo County	Y	5 character limit, only numbers allowed
STEMI Receiving Center (SRC)	9	A	Risk_Factors		Please note if the patient has any of the following risk factors:	Check Box	Check Boxes	Y	Options: 1 = Weight, 2 = Cerebrovascular Disease, 3 = Prior Stroke, 4 = Current/recent Smoker, 5 = Hypertension, 6 = Peripheral Artery Disease, 7 = Currently on Dialysis, 8 = Diabetes Mellitus, 9 = Hyperlipidemia, 10=No Risk Factors
STEMI Receiving Center (SRC)	10	NONE	Check_xPort		Check if patient was transported from scene by ALS ambulance	Check Box	Check Box		Single option check box which opens Section B 'ALS Ambulance Transported STEMI' for data entry
ePCR	11	B	EMS_Case_No		If (line 2) equals SRH transfer, Amb ID'd STEMI, or Amb Transport w/o STEMI ID' enter = EMS Incident Case Number (prehospital identifier)	String	11 (ML Note: I changed this from 12 to 11)	Y	Data to come from ePCR Viewer or paper PCR from medic
ePCR	12A	B	EMD_1		Emergency Medical Dispatch Code	String	Business Rules Description: form is ## - letter - # example 7-C-2 or 24-O-1. FirstSection: numbers 1-33 can be entered, SecondSection: letters A,B,C,D,E,O can be entered, ThirdSection: numbers 1-8 can be entered.		Set format for code. End product should not contain any dashes or spaces. Example: code 24-O-1 would become 24O1 in the database.
ePCR	12B	B	EMD_2		Emergency Medical Dispatch Code	String	Business Rules Description: form is ## - letter - # example 7-C-2 or 24-O-1. FirstSection: numbers 1-33 can be entered, SecondSection: letters A,B,C,D,E,O can be entered, ThirdSection: numbers 1-8 can be entered.		Set format for code. End product should not contain any dashes or spaces. Example: code 24-O-1 would become 24O1 in the database.
ePCR	12C	B	EMD_3		Emergency Medical Dispatch Code	String	Business Rules Description: form is ## - letter - # example 7-C-2 or 24-O-1. FirstSection: numbers 1-33 can be entered, SecondSection: letters A,B,C,D,E,O can be entered, ThirdSection: numbers 1-8 can be entered.		Set format for code. End product should not contain any dashes or spaces. Example: code 24-O-1 would become 24O1 in the database.
ePCR	13	B	HelpReqD	1, 5, 9, 14	Date patient began to seek medical care (called 911 or left for hospital/doctor.	Date	MM/DD/YYYY		
ePCR	13	B	HelpReqT	1, 5, 9, 14	Time patient began to seek medical care (called 911 or left for hospital/doctor.	Time	24 hour military clock		00:00
ePCR	14	B	OnScnP_D	15	On Scene: Date treating paramedics (ambulance) arrived on scene - from PEMR	Date	MM/DD/YYYY		00:00
ePCR	14	B	OnScnP_T	15	Time for above	Time	24 hour military clock		00:00
ePCR	15	B	Xport_D	15	Date of patient transport from scene to hospital begins - from PEMR	Date	MM/DD/YYYY		00:00
ePCR	15	B	Xport_T	15	Time for above	Time	24 hour military clock		00:00
ePCR	16	B	CC		Paramedic Primary Impression	String	Drop Down	P	Mandatory when Box#10 is checked for ambulance transport
ePCR	17	B	Pre_hosp_ECG_D	6	Date of Prehosp ECG	Date	MM/DD/YYYY		
ePCR	17	B	Pre_hosp_ECG_T	6	Time of Prehosp ECG	Time	24 hour military clock		
ePCR	18	B	PECG_Machine_Read		PECG Machine Read	String	No character limit		
STEMI Receiving Center (SRC)	19	B	TP		EDMD or cardiologist interpretation of PECG (NOT HECG):	String	Drop Down	Y	1. TP = True Positive: EDMD or cardiologist agrees with 'ACUTE MI SUSPECTED' 2. FP = False Positive: 'ACUTE MI SUSPECTED', EDMD or cardiologist interpretation = 'No STEMI' 3. FN = False Negative: No 'ACUTE MI SUSPECTED', EDMD or cardiologist interpretation = STEMI 4. TN = True Negative: No 'ACUTE MI SUSPECTED', EDMD or cardiologist agree no STEMI
ePCR	20	B	BP_Systolic		First blood pressure taken by pre-hospital medic.	Numeric	3 number limit		3 numbers
ePCR	21	B	BP_Diastolic		First blood pressure taken by pre-hospital medic.	Numeric	3 number limit		3 numbers
ePCR	22	B	HR		First heart rate taken by pre-hospital medic.	Numeric	3 number limit		3 numbers
ePCR	23	B	Aspirin		Was aspirin given by pre-hospital medic?	String	Drop Down		Options: Yes / No
ePCR	24	B	Nitro		Was nitro given by pre-hospital medic?	String	Drop Down		Options: Yes / No
STEMI Referral Hospital (SRH)	25	NONE	check_SRH		Check if patient went to SRH first	Check Box	Check Boxes		Single option check box which opens Section C 'STEMI Referral Hospital (SRH)' for data entry
STEMI Receiving Center (SRC)	26	C	SRH		STEMI Referral Hospital (if applicable)	String, 3 letter code	Drop Down		Options: SMMC, STC, MIL, KSSF, Did not come from SRH
STEMI Referral Hospital (SRH)	27	C	Check_PtRec_Gen		No pt record generated	Check Box			
STEMI Receiving Center (SRC)	28	C	SRH_Case_No		Medical record number (SRH)	String	12		
STEMI Receiving Center (SRC)	29	C	SRH_AIED_D	9, 10, 12	Date ambulance arrives at Non-SRC	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	29	C	SRH_AIED_T	9, 10, 12	Time ambulance arrives at Non-SRC	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	30	C	SRH_Patient_Type		How did patient arrive at SRH?	String	Drop Down	Y	Options: Walk-In/Private Vehicle, BLS transfer, Amb ID'd STEMI, Amb Transport w/o STEMI ID
STEMI Referral Hospital (SRH) OR STEMI Receiving Center (SRC)	31	C	First_BP_SRH_Systolic		First blood pressure taken by SRH.	String	No character limit		
STEMI Referral Hospital (SRH) OR STEMI Receiving Center (SRC)	32	C	First_BP_SRH_Diastolic		First blood pressure taken by SRH.	String	No character limit		
STEMI Referral Hospital (SRH)	33	C	First_Heart_Rate_SRH		First heart rate taken by SRH.	String	No character limit		

STEMI Receiving Center (SRC)	34	C	SRH_ECG_D	11	Date of first ECG done by SRH hospital.	Date	MM/DD/YYYY		
STEMI Receiving Center (SRC)	34	C	SRH_ECG_T	11	Time first ECG was done by SRH hospital - from hospital pt. care record	Time	24 hour military clock		00:00
STEMI Receiving Center (SRC)	35	C	SRH_ECG_Result		Result of first ECG was done by SRH hospital - from hospital pt. care record	String	No character limit		
STEMI Receiving Center (SRC)	36	C	SRH_Thrombolytic		Where thrombolytic administered?	String	Drop Down		Options: Yes / No
STEMI Receiving Center (SRC)	37	C	SRH_ECG_Result_2_D		Date of Subsequent ECG w/ STEMI	Date	MM/DD/YYYY		
STEMI Receiving Center (SRC)	37	C	SRH_ECG_Result_2_T		Subsequent ECG w/ STEMI	Time	24 hour military clock		00:00
STEMI Receiving Center (SRC)	38	C	SRH_Trans		Was the patient transported to a STEMI Receiving Center?	String	Drop Down	Y	Options: Yes / No
STEMI Receiving Center (SRC)	39	C	SRH_No_Trans		If (line 2) equals "No" enter = what the reason was for no transport	String	No character limit	Y	
STEMI Referral Hospital (SRH)	40	C	SRH_TAmb_Call_D	13	Date SRH first calls for transport ambulance	Date	MM/DD/YYYY		
STEMI Referral Hospital (SRH)	40	C	SRH_TAmb_Call_T	13	Time SRH first calls for transport ambulance	Time	24 hour military clock		00:00
STEMI Referral Hospital (SRH)	41	C	SRH_TAmb_Arr_D	13	Date Transport ambulance arrives at SRH	Date	MM/DD/YYYY		
STEMI Referral Hospital (SRH)	41	C	SRH_TAmb_Arr_T	13	Time transport ambulance arrives at SRH	Time	24 hour military clock		00:00
STEMI Referral Hospital (SRH)	42	C	SRH_Call_SRC_D		Date SRH first called SRC	Date	MM/DD/YYYY		
STEMI Referral Hospital (SRH)	42	C	SRH_Call_SRC_T		Time SRH first called SRC	Time	24 hour military clock		00:00
STEMI Referral Hospital (SRH)	43	C	SRH_Pt_Trans_D	12	Date Pt transport ambulance leaves SRH for SRC	Date	MM/DD/YYYY		
STEMI Referral Hospital (SRH)	43	C	SRH_Pt_Trans_T	12	Time when Pt transport ambulance leaves SRH for SRC	Time	24 hour military clock		00:00
STEMI Referral Hospital (SRH) OR STEMI Receiving Center (SRC)	44	NONE	PT_Expired		Check if patient expired	Check Box	Check Boxes		Single option check box which opens box 45 and 46 for data entry
STEMI Referral Hospital (SRH) OR STEMI Receiving Center (SRC)	45	NONE	PT_Died_Date		Date patient died	Date	MM/DD/YYYY	P	
STEMI Referral Hospital (SRH) OR STEMI Receiving Center (SRC)	45	NONE	PT_Died_Time		Time patient died	Time	24 hour military clock	P	00:00
STEMI Referral Hospital (SRH) OR STEMI Receiving Center (SRC)	46	NONE	Loc Pt Died		Treatment location where patient died	String, 3 letter code	Drop Down	P	Options: Pre-Hospital SRH, SRH, Pre-Hospital SRC, SRC ED, SRC CVL, SRC ICU, SRC Med-Surg
STEMI Receiving Center (SRC)	47	D	SRC		STEMI Receiving Center	String, 3 letter code	Auto fill based on User	Y	Options: KRW, PEN, SEQ, SET, SUH
STEMI Receiving Center (SRC)	48	D	SRC_AIED_D	1, 2, 7, 8	Date ambulance arrives at SRC Emergency Department - from hospital pt. care record	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	48	D	SRC_AIED_T	1, 2, 7, 8	Time patient arrives at SRC Emergency Department - from hospital pt. care record	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	49	D	Patient_Type		How did patient arrive at SRC?	String	Drop Down	Y	Options: Walk-In, SRH ALS Amb Transfer, BLS Amb. Transfer, Outpatient clinical referral
STEMI Receiving Center (SRC)	50	D	SRC_Case_No		Medical record number (SRC)	String	12	Y	
STEMI Receiving Center (SRC)	51	D	SRC_ECG_D	2	Date first ECG was done by SRC hospital - from hospital pt. care record	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	51	D	SRC_ECG_T	2	Time first ECG was done by SRC hospital - from hospital pt. care record	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	52	D	HECG_Intp		ECG interpretation by ERMID or cardiologist: IWM, AWM, ASMI, LWMI, No STEMI	String	Drop Down	Y	Options: IWM, AWM, ASMI, LWMI, No STEMI
STEMI Receiving Center (SRC)	53	D	Call_Card_D	3	Date Hospital STEMI alert triggered	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	53	D	Call_Card_T	3	Time Hospital STEMI alert triggered	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	54	D	Arr_Card_D	3	Date interventional cardiologist arrives at CVL	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	54	D	Arr_Card_T	3	Time interventional cardiologist arrives at CVL	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	55	D	RF_Cand		Is the patient a candidate for reperfusion (Percutaneous Coronary Intervention, PCI)?	String	Drop Down		Options: Yes / No
STEMI Receiving Center (SRC)	56	D	Arr_CL_D	4	Date Cardiovascular Team arrives to CVL	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	56	D	Arr_CL_T	4	Time Cardiovascular Team arrives to CVL	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	57	D	Lv_ED_D		Date patient was transported from ED to Cath Lab at SRC	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	57	D	Lv_ED_T		Time patient was transported from ED to Cath Lab at SRC	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	58	D	CL_Arr_D		Date patient arrives at Cath Lab at SRC	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	58	D	CL_Arr_T		Time patient arrives at Cath Lab at SRC	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	59	D	Balloon_D	5, 6, 7, 10, 11	Date of first revascularization (PCI) by balloon/device in Cath Lab at SRC	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	59	D	Balloon_T	5, 6, 7, 10, 11	Time of first revascularization (PCI) by balloon/device in Cath Lab at SRC	Time	24 hour military clock	Y	00:00
STEMI Receiving Center (SRC)	60	D	List40		Interventional Cardiologist (name)	String	Drop Down		List of names presented limited by value selected in SRC field
STEMI Receiving Center (SRC)	61	D	Was_Cath_Canceled		Check if STEMI alert was canceled	Check box	Check box		
STEMI Receiving Center (SRC)	62	D	Lv_ED_Can_D		Date STEMI Alert was canceled	Date	MM/DD/YYYY	P	
STEMI Receiving Center (SRC)	62	D	Lv_ED_Can_T		Time STEMI Alert was canceled	Time	24 hour military clock	P	00:00
STEMI Receiving Center (SRC)	63	D	Lv_ED_Can_R		If STEMI Alert was canceled, what was the reason?	String	Drop Down		Options: Patient died in care, Patient refused care, Patient transitioned to comfort care, Decision to treat medically, Other
STEMI Receiving Center (SRC)	64	D	RF_None		Non-System reason for delay in PCI	String	Drop Down		Options: Difficult vascular access, Patient delays in providing consent for procedure, Cardiac arrest and/or need for intubation before PCI, Difficulty crossing the culprit lesion before PCI procedure, Other, None
STEMI Receiving Center (SRC)	65	D	Delay_PCI_Reason		Reason patient didn't receive reperfusion (PCI)	String	No character limit		
STEMI Receiving Center (SRC)	66	D	Thrombo_Admin		Where thrombolytics administered?	String	Drop Down		Options: Yes / No
STEMI Receiving Center (SRC)	67	D	Lytic_D		Date of thrombolytic administration	Date	MM/DD/YYYY		
STEMI Receiving Center (SRC)	67	D	Lytic_T		Time of thrombolytic administration	Time	24 hour military clock		00:00

STEMI Receiving Center (SRC)	68	D	Lytic_None		If the patient didn't receive thrombolytics, what was the reason?	String	No character limit		
STEMI Receiving Center (SRC)	69	D	IRA		Was there an IRA/Culprit Lesion? (select one)	String	Drop Down		Options: LM=Left Main, LAD=Lt Ant Descending, Circ=Circumflex, RCA=RT Coronary Artery G=Graft O=Other
STEMI Receiving Center (SRC)	70	D	T3		At end of procedure, was TIMI 3 flow restored in IRA (Y/N)	String	Drop Down	Y	Options: Yes / No
STEMI Receiving Center (SRC)	71	D	CVA		Was there a periprocedure stroke? (SRC)	String	Drop Down	Y	Options: Yes / No
STEMI Receiving Center (SRC)	72	D	Bleed		Was there a vascular complication (pseudo-aneurysm, hemorrhage requiring transfusion or operation)? (SRC)	String	Drop Down	Y	Options: Pseudo-Aneurysm, Hemorrhage requiring transfusion or operation, No
STEMI Receiving Center (SRC)	73	D	Events		Intra and Post-Procedure Events within 72 hours of STEMI treatment (check all that apply)	String	Check Boxes		Options: 1= Cardiac Arrest, 2 = Cardiogenic Shock, 3 = Reinfarction, 4 = Heart Failure, 5 = Bleeding Event w/in 72 hr, 6 = CVA/Stroke, 7 = Hemorrhagic Stroke, 8 = Coronary Artery Dissection, 9 = Coronary Artery Perforation, 10=None, 11=Select All
STEMI Receiving Center (SRC)	74	D	CABG_Y_N		Was a CABG performed?	String	Drop Down		Options: Yes / No
STEMI Receiving Center (SRC)	75	D	CABG_D		Date of emergency CABG (coronary artery bypass graph) (SRC)	Date	MM/DD/YYYY		
STEMI Receiving Center (SRC)	75	D	CABG_T		Time of emergency CABG (coronary artery bypass graph) (SRC)	Time	24 hour military clock		00:00
STEMI Receiving Center (SRC)	76	E	DC_Date	8	Date patient was discharged from SRC hospital (or date of death)	Date	MM/DD/YYYY	Y	
STEMI Receiving Center (SRC)	77	E	Comments		Justification for any submitted data. Unusual occurrences, general info, etc.	String	No character limit		
STEMI Receiving Center (SRC)	78	E	DC_Location		If status was 'Alive', where was the patient discharged to?	String	Drop Down		Options: 1 = Home, 2 = Extended care/TCU/Rehab, 3 = Nursing Home, 4 = Hospice, 5 = Other acute care hospital, 6 = Left against medical advice (AMA), 7 = Patient Died, 8=Other
STEMI Receiving Center (SRC)			Submitted_by		User ID of the person entering the form data	String		Y	

Calculated Durations			
#	Variable Name	Variable Description	Additional
1	SRC_911_AIED	Time from 911 dispatch to time ambulance arrives at SRC hosp (calculated)	Time (auto fill formula) SRC_AIED time minus HelpReqT time
2	ED2ECG	Time from SRC ED arrival to ECG (calculated)	Time (auto fill formula) SRC_ECG minus SRC_AIED
3	Card_RT	Total time from first call to cardiologist to cardiologist arrival to SRC (calculated)	Time (auto fill formula) Call_Card time minus Arr_Card time
4	CL_RT	Total time from first call (STEMI alert) to CVL Team to arrival to SRC (calculated)	Time (auto fill formula) Arr_CL time minus Call_Card_T
5	Disp2B	Time from 911 dispatch to first balloon/device in Cath Lab at SRC (calculated)	Time (auto fill formula) Balloon time minus HelpReqT time
6	E2B	Time from first ECG in the field to first balloon/device in Cath Lab at SRC (calculated)	Time (auto fill formula) Balloon time minus Pre_hosp_ECG_D time
7	D2B	Total time from arrival to SRC ED to reperfusion by balloon/device at SRC (calculated)	Time (auto fill formula) Balloon time minus SRC_AIED time
8	LOS	Length of Stay (calculated) at SRC	Numeric (auto fill formula) DC_Date minus SRC_AIED time
9	SRH_911_AIED	Time from 911 dispatch to time ambulance arrives at Non-SRC hosp (calculated)	Time (auto fill formula) SRH_AIED time minus HelpReqT time
10	SRH_Balloon	Time of arrival at SRH to balloon/device at SRC (calculated)	Time (auto fill formula) Balloon time minus SRH_AIED time
11	SRH_E2B	Time from SRH ECG to balloon/device at SRC (calculated)	Time (auto fill formula) Balloon time minus SRH_ECG time
12	SRH_D2D	Time patient enters SRH to time patient leaves SRH (calculated)	Time (auto fill formula) SRH_Pt_Trans time minus SRH_AIED time
13	SRH_R2A	Time of ambulance request to arrival at SRH (calculated)	Time (auto fill formula) SRH_Tamb_Arr time minus SRH_Amb_Call time
14	Onset_911	Symptom onset to 911 call (calculated)	Time (auto fill formula) HelpReqT time minus Onset_Time time
15	Scene_T	Amount of time patient was on-scene being treated before transport	Time (auto fill formula) Xport time minus OnScnP time