Coronary Heart Attack Ireland Register (CHAIR) Data Dictionary

	Variable ID number	Variable Name	Variable Definition	Type of Value	Data Entry Type	Value Options	Value Definition	Comments
Patient Details	1	MRN of Data Entry Hospital	Indicates the Patients MRN of the Hospital responsible for data entry	Numeric	Free text	Free text	-	-
	2	Name	Patient's full name	Alphabetic	Free text	Free text	-	-
	3	Adress	Patient's home adress	Alphanumeric	Free text	Free text	-	-
	4	DOB	Patient's Date of Birth	Date	dd/mm/yyyy	dd/mm/yyyy	Patient must be 18 or older on the date of admission	-
	5	Gender	The gender of the patient at birth	Alphabetic	Drop down list	Male	-	-
						Female	-	
						Unknown	Information missing.	
	6	Name of Originating Hospital	The first hospital that the patient was admitted to	Alphabetic	Drop down list	Bantry General Hospital	The first hospital that the patient was admitted to	-
						Bon Secours Hospital Cork		
						Bon Secours Hospital Tralee		
						Cork University Hospital		
						University Hospital Kerry		
						Mallow General Hospital		
						Mater Private Cork		
						Mercy University Hospital		
						Other Hospital		
						Tipperary University Hospital		
						Unknown		
						Waterford University Hospital		
						University Hospital Limerick		
						N/A		
	7	Date of arrival at originating hospital	The date that the patient arrived at the first hospital	Date	dd/mm/yyyy	dd/mm/yyyy	The date that the patient arrived at the first hospital	If unknown, leave field empty
	8	Time of arrival at originating hospital	The time that the patient arrived at the first hospital	Time	hh:mm	hh:mm	The time that the patient arrived at the first hospital	If unknown, leave field empty
	9	Other hospitals patient transferred to for procedures/treatments	Hospital name other than the originating Hospital that patient was transferred to	Alphabetic	Drop down list	Bantry General Hospital	-	-
						Bon Secours Hospital Cork		
						Bon Secours Hospital Tralee		
						Cork University Hospital		
						University Hospital Kerry		
						Mallow General Hospital		
						Mater Private Cork		
						Mercy University Hospital		
						Other Hospital		
						Tipperary University Hospital		
						Unknown		
						Waterford University Hospital		
						University Hospital Limerick		
						N/A		
	10	Is patient a STEMI transfer?	Did patient present with STEMI symptoms and the originating hospital called for a transfer to a PPCI centre?	Alphabetic	Drop down list	Yes	Yes, STEMI case transferred to a PPCI centre	Applicable ONLY to STEMI who originated in NON PPCI hosp
						No	No, either a NSTEMI or STEMI originating from PPCI centre	
						Unknown	Information missing.	
	11	Date of departure from originating hospital (DIDO Calculation)	Indicates the date that the patient left from the first hospital they presented to (Date in - Date out calculation)	Date	dd/mm/yyyy	dd/mm/yyyy	The date that the patient departed the first hospital .Applicable ONLY to STEMI who originated in NON PPCI hosp	If unknown, leave field empty

For STEMI Transfers only	12	Time of departure from originating hospital (DIDO Calculation)	Indicates the date that the patient left from the first hospital they presented to (Date in - Date out calculation)	Time	hh:mm	hh:mm		The date that the patient departed the first hospital .Applicable ONLY to STEMI who originated in NON PPCI hosp	If unknown, leave field empty
	13	Patient transferred to PPCI	Indicates whether the STEMI patient from a non PPCI originating hospital was transferred to a PPCI centre	Alphabetic	Drop down list	Yes	Indicate patient transferred to PPCI centre during hosp stay	"N/A" is Dependent on variable #10
						N/A	Not applicable to this variable	
	14	PPCI Hospital Identifier	Indicates the name of the PPCI hospital the STEMI patient was transferred to	Alphabetic	Drop down list	Cork University Hospital	Indicates the name of the PPCI hospital the STEMI patient was transferred to	-
						University Hospital Limerick		
						University Hospital Waterford		
						Other PCI Hospital		
						N/A		
	15	Date and time of arrival at PPCI centre	Indicates the date and time that the STEMI patient arrived into the PPCI hospital	DateTime	dd/mm/yyyy hh:mm	dd/mm/yyyy hh:mm	Indicates the date and time that the STEMI patient arrived into the PPCI hospital	-

	16	Past History Relevant to CAD	Indicates whether patient has past history of Coronary Artery Disease	Alphabetic	Drop down list	Yes	No Patient doesn't have a past history relevant to CAD	-
						No	Yes Patient has Positive Past History relevant to CAD	
						Unknown	Information Missing	
	17	History of myocardial infarction (MI)	Indicate if the patient had at least one previous myocardial infarction before this admission.	Alphabetic	Drop down list	Yes	Patient had at least one myocardial infarction previously.	"N/A" is Dependent on variable #16
						No	Patient has no history of a previous myocardial infarction.	
	18	Unstable Angina	Indicate if the patient has a history of unstable angina and / or has been treated previously for unstable angina by a physician.	Alphabetic	Drop down list	Yes	The patient has a history of unstable angina.	"N/A" is Dependent on variable #16
						No	Patient has no history of unstable angina.	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	19	Prior Stable angina	Indicate if the patient has a history of angina and / or has been treated previously for angina by a physician.	Alphabetic	Drop down list	Yes	The patient has a history of angina.	"N/A" is Dependent on variable #16
						No	Patient has no history of angina.	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	20	History of congestive heart failure (CHF)	Indicate if the patient has a history of congestive heart failure and/or has previously been treated for congestive heart failure by a physician.	Alphabetic	Drop down list	Yes	The patient has a history of congestive heart failure.	"N/A" is Dependent on variable #16
						No	Patient has no previous history of congestive heart failure.	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	21	History of cerebrovascular accident	Indicate if the patient has a history of cerebrovascular accident (CVA) / stroke, as evidenced by a persistent neurological deficit due to ischaemia.	Alphabetic	Drop down list	Yes	Patient has a history of stroke.	"N/A" is Dependent on variable #16
						No	Patient has no previous history of stroke.	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
Past History Relevant	22	History of	History or evidence of aneurysm or occlusive peripheral vascular disease or carotid disease, including aortic aneurysm, previous aorto-iliac or peripheral vascular surgery, or reduced or	Alphabetic	Drop down list	Yes	Patient has a history of peripheral vascular disease	"N/A" is Dependent on
						No	Patient has no previous history of peripheral vascular disease	
						N/A	Not applicable to this variable	

to CAD	22	peripheral vascular disease	vascular surgery, or reduced or absent peripheral pulses and / or angiographic stenosis of more than 50%.	Alphabetic	Drop down list			variable #16
						Unknown	Information missing	
	23	History of chronic renal failure	Indicate if the patient has a history of chronic renal failure as documented in the medical records or documented by any one of the following: (a) Serum creatinine greater than 2.0 mg/dl or 200 umol/l in the past (b) On dialysis (c) Has had a renal transplantation	Alphabetic	Drop down list	Yes	Patient has a history of chronic renal failure.	"N/A" is Dependent on variable #16
						No	Patient has no previous history of chronic renal failure	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	24	Chronic lung disease	Indicate if the patient has a history of chronic lung disease and/or has previously been treated for chronic lung disease by a physician.(includes asthma,COPD,emphysema etc.)	Alphabetic	Drop down list	Unknown	Information missing	"N/A" is Dependent on variable #16
	25	Previous percutaneous coronary intervention (PCI)	Indicate if the patient has had a previous PCI of any type before the current admission (e.g. balloon angioplasty, implantation of intra coronary stent or other catheter devices for treating coronary atheroma, atherectomy, laser angioplasty or other).	Alphabetic	Drop down list	Yes	The patient has had a previous percutaneous coronary intervention prior to this admission	"N/A" is Dependent on variable #16
						No	The patient has never had a previous percutaneous coronary intervention	
						N/A	Not applicable to this variable	
						Unknown	Infromation missing	
	26	Coronary artery bypass graft [CABG]	Indicate if the patient had coronary artery bypass graft (CABG) done prior to this admission	Alphabetic	Drop down list	Yes	The patient has had a previous CABG prior to this admission	"N/A" is Dependent on variable #16
						No	The patient has never had a previous CABG	
						N/A	Not applicable to this variable	
						Unknown	Information missing	

	27	Smoking status	Indicate if the patient has a history confirming any form of tobacco use in the past. This includes cigarettes/cigar/pipe.	Alphabetic	Drop down list	Never	Patient has never smoked a tobacco product	-
						Current	Patient regularly smokes a tobacco product / products one or more times per day or has smoked in the 30 days prior to this admission	
						Former	Patient has stopped smoking tobacco products greater than 30 days before this admission	
						Use of Vaporisor/ E-Cigarrete	Patient does not smoke cigarettes but uses an electric cigarrette / Vape	
						Unknown	Information missing	
	28	Diabetes mellitus	Indicate if the patient has a history of diabetes mellitus diagnosed prior to the current admission.	Alphabetic	Drop down list	No	Patient does not have diabetes	-
						DM Type 1	Patient has type 1 Diabetes	
						DM Type 2	Patient has type 2 Diabetes	
						DM of other Unspecified Type	Neither type 1 nor type 2 Diabetes	
						Newly diagnosed	If a patient is admitted with new (not previously diagnosed) diabetes use option "newly diagnosed diabetes" as final treatment modality will not be known	
						Unknown	Information missing	

Risk Factors	29	History of hypertension	Indicate if the patient has a history of hypertension diagnosed and/or treated by a physician.	Alphabetic	Drop down list	No	The patient does not have a history of hypertension prior to this admission	-	
						Yes	The patient does have a history of hypertension prior to this admission		
						Unknown	Information missing		
	30	History of hypercholesterolemia	Indicate if the patient has a documented history of hypercholesterolemia diagnosed and/or treated by a physician.	Alphabetic	Drop down list	No	The patient does not have a history of hypercholesterolemia prior to this hospital admission	-	
						Yes	The patient does have a history of hypercholesterolemia prior to this admission		
						Unknown	Information missing		
	31	Family history of Coronary Artery Disease (CAD)	Indicate if the patient has a family History of CAD	Alphabetic	Drop down list	No	The patient does not have a family history of CAD	-	
						Yes	The patient has a family history of CAD Male relative <55 years and/or Female relative <65 years has diagnosis of CAD (GRACE)		
						Unknown	Information missing		
	32	Alcohol Consumption	Indicate how much alcohol a patient consumes prior to admission	Alphabetic	Drop down list	None	Patient consumes no alcohol	-	
						Heavy	Patients consumption of alcohol is heavy Male >= 17units weekly Female >=11 units weekly		
						Moderate	Patients consumption of alcohol is moderate Male <=17 units weekly Female <=11units weekly		
						Unknown	Information missing		
Admission Details (to help establish working diagnosis)	33	Predominant presenting symptom	Indicate the predominant symptom /reason why patient presented for medical attention.	Alphabetic	Drop down list	Asymptomatic	No symptoms of illness or disease	-	
						Chest pain	Chest discomfort, heaviness, or pressure		
						Dyspnoea	Uncomfortable breathing NYHA I-IV		
						Fatigue	Weariness, loss of sence of well being		
						Syncope	Transient self limited LOC		
						Cardiac arrest/ Resuscitated	. Cardiac Arrest is the abrupt loss of heart function in a person who may or may not have been diagnosed with heart disease.		
						Other symptoms	Any other symptom that has not been described in the above. i.e. Abdo pain/ unwell.		
						Unknown	Information missing		
	34	Symptom onset date	Indicate the date of onset of symptom / reason that prompted the patient's presentation for medical attention.	Date	dd/mm/yyyy	dd/mm/yyyy	The date that symptoms began.	If unknown, leave field empty	
	35	Symptom onset time	Indicate the time of onset of symptom / reason that prompted the patient's presentation for medical attention.	Time	hh:mm	hh:mm	The time that symptoms began.	If unknown, leave field empty	
	36	Call for professional help date	Indicate the date of first medical contact	Date	dd/mm/yyyy	dd/mm/yyyy	The date that GP/ Ambulance was called/ self presentation to the ED.	If unknown, leave field empty	
	37	Call for professional help time	Indicate the time of first medical contact	Time	hh:mm	hh:mm	The time that GP/ Ambulance was called/ self presentation to the ED.	If unknown, leave field empty	
	38	Source of Referral	Indicate the persons source of referral to the hospital	Alphabetic	Drop down list	Chest pain clinic	Referred directly from chest pain clinic	-	
						Code STEMI to Cath lab	STEMI patient with positive ECG brought directly to Cath Lab by ambulance/		
						Code STEMI to ED	STEMI patient with positive ECG brought directly to ED by ambulance/		
						Direct GP	Referred directly from GP		
						Direct OPD	Referred directly from OPD		
						ED GP	GP referred patient to ED		
						ED Self	Self referral to ED		
						Inpatient	Already an inpatient at PPCI centre		

					Other	Other source of referral	
					Other hospital		
					Other hospital to Cath lab	An ACS patient brought directly to the Cath lab from another hospital	
					Other hospital to ED	An ACS patient brought directly to the ED from another hospital.	
					Unknown	Information missing	
	39	Transport to hospital	Indicates how the patient was transported to hospital	Alphabetic	Drop down list	Private	Patient arrived by private transport or walked	-
						Ambulance	Patient taken to hospital by ambulance	
						Helicopter	Patient taken by helicopter	
						Unknown	Information missing	
Admission Observations (to help establish working diagnosis)	40	Patient status on admission	How patient presented on arrival: Failed Cardiac Recuscitation; Successful Cardiac Resuscitation; Patint has stable vital signs; patient in cardiogenic shock: a condition of circulatory failure from the hearts inability to maintain adequate cardiac output; other	Alphabetic	Drop down list	cardiac arrest & died	How patient presented on arrival: Failed Cardiac Recuscitation; Successful Cardiac Resuscitation; Patint has stable vital signs; patient in cardiogenic shock: a condition of circulatory failure from the hearts inability to maintain adequate cardiac output; other	-
						cardiac arrest & resuscitated		
						Stable		
						Cardiogenic shock		
						Other		
						Unknown	Information missing	
	41	Heart rate	Indicate the patient's heart rate (beats per minute) reading. This should be the first heart rate recorded by a health care provider when the patient is in hospital.	Integer	Free text	Free text	The first heart rate recorded.	If unknown, leave field empty
	42	Systolic blood pressure	Indicate the patient's systolic blood pressure reading (mm Hg). This should be the first blood pressure recorded by a health care provider in hospital.	Integer	Free text	Free text	The first blood pressure readingr ecorded.	If unknown, leave field empty
	43	Diastolic blood pressure	Indicate the patient's diastolic blood pressure reading (mm Hg). This should be the first blood pressure recorded by a health care provider in hospital.	Integer	Free text	Free text	The first blood pressure readingr ecorded.	If unknown, leave field empty
	44	Height	Height in cms.	Float	Free text	Free text	Height in cm.	If unknown, leave field empty
	45	Weight	Weight in kgs.	Float	Free text	Free text	Weight in kgs.	If unknown, leave field empty
	46	BMI	Body mass index	Float	Autocalculated from height and weight entered.	None	Body mass index	-
	47	BMI Category	Body mass index category Value 18.5-24.999 = Normal Weight 25.000-29.99999 = Overweight 30.00 or above Obese	Alphabetic	Classified based on BMI	None	Autoassigned based on value in BMI field	-
						Class 1	Absence of rales over the lung field and absence of S3	
						Class 2	Rales over 50% or less of the lung field or the presence of an S3	
						Class 3	Rales over more than 50% of the lung field	

	48	Killip class	Indicate the Killip class of the patient at the time of hospital admission.	Alphanumeric	Drop down list	Class 4	Shock: Defined by the clinical criteria of hypotension (SBP<90mmHg for at least 30 minutes or need for support measures to maintain SBP>90mmHg) and end organ hypoperfusion (cool extremities or urine output < 30 ml/hour and heart rate > 60 beats/minute).	-
						Unknown	Information missing	
	49	Location where diagnostic ECG was recorded	The location of where the diagnostic ECG was taken. (The ECG that confirms the ACS diagnosis)	Alphabetic	Drop down list	Ambulance	-	-
						Hospital_ED		
						GP_Surgery		
						Other		
						Unknown		
	50	Hospital where diagnostic ECG done	Indicates the name of the hospital where the working diagnosis ECG was recorded	Alphabetic	Drop down list	Bantry General Hospital	-	Dependent on variable #49, List of Hospitals will show up only if #49 = Hospital_ED, otherwise N/A
						Bon Secours Hospital Cork		
						Bon Secours Hospital Tralee		
						Cork University Hospital		
						Kerry University Hospital		
						Mallow General Hospital		
						Mater Private Cork		
						Mercy University Hospital		
						South Infirmary Victoria University Hospital		
						Tipperary University Hospital		
						Waterford University Hospital		
						N/A		
	51	Is the initial ECG different from the diagnostic ECG	Indicates if the diagnostic ECG was done at a different date or time fron the 1st ECG recorded	Alphabetic	Drop down list	Yes	The diagnostic ECG was recorded at a different date or time to the 1st ECG recorded	-
						No	The diagnostic ECG is the first ECG recorded	
	52	Location of initial ECG	The location of the first ECG taken upon initial presentation, whether same or different to the diagnostic	Alphabetic	Drop down list	Same values as for variable #49, depending on the case	The location of the first ECG taken upon initial presentation.	if diagnostic ECG = initial ECG, then location of diagnostic ECG comes as the only option
	53	Initial ECG date	Indicates the date the 1st ECG was recorded	Date	dd/mm/yyyy	dd/mm/yyyy	The date of the first ECG taken upon initial presentation in ambulance/ ED/ GP Surgery. lit will differ from the diagnostic ECG.	initial ECG date, whether initial=diagnostic or not
	54	Initial ECG time	Indicates the time the 1st ECG was recorded	Time	hh:mm	hh:mm	The time of the first ECG taken upon initial presentation in ambulance/ ED/ GP Surgery. lit will differ from the diagnostic ECG.	initial ECG time, whether initial=diagnostic or not
	55	Initial ECG rhythm	Indicate the rhythm on the first admission ECG.	Alphabetic	Drop down list	Sinus rhythm	Sinus rhythm is the name given to the normal rhythm of the heart.	-
						Atrial fibrillation	an ECG showing atrial fibrillation will have no visible P waves and an irregularly irregular QRS complex	
						Paced	The cardiac rhythm is controlled by an electrical impulse from an artificial cardiac pacemaker.	
						Other	Any other arrhythmia detected by ECG	
						Unknown	Information missing	
	56	Initial ECG QRS annotation	Indicate if first admission ECG has any QRS abnormalities.	Alphabetic	Drop down list	No QRS abnormalities		-
						Normal		
						LBBB	Left bundle branch block is QRS duration > 120ms	
						RBBB	Right bundle branch block is QRS duration > 120ms; RSR' pattern in V1-3 ("M-shaped" QRS complex);	
						Other	Any other QRS abnormality detected by ECG.	
						Unknown	Information missing	

ECG Investigations (to help establish working diagnosis)	57	Initial ECG ST changes	Indicate if the first admission ECG has any ST changes.\n\nNote: if more than one of these options are applicable to a patient then the most severe should be selected.	Alphabetic	Drop down list	Normal	No ST changes	-
						ST elevation	ST-segment elevation indicates greater than or equal to 1mm (0.1mV) elevation in 2 or more contiguous leads	
						ST depression	ST-segment depression of at least 0.5mm (0.05 mV) in 2 or more contiguous leads (includes reciprocal changes)	
						Pathological T-inversion (absence of ST deviation)	Pathological T- wave inversion of at least 1mm (0.1 mV) including inverted T waves that are not indicative of acute MI [In the absence of ST deviation]	
						Other	Any other ST changes found on ECG.	
						Unknown	Information missing	
	58	Diagnostic ECG Date	Indicates the date the diagnostic ECG was recorded. This is only completed if the 1st ECG is not the diagnostic ecg	Date	dd/mm/yyyy	dd/mm/yyyy	The date of the diagnostic ECG. (The ECG that confirms the ACS diagnosis)	to be completed if initial ECG is not the diagnostic
	59	Diagnostic ECG Time	Indicates the time the diagnostic ECG was recorded. This is only completed if the 1st ECG is not the diagnostic ecg	Time	hh:mm	hh:mm	The time of the diagnostic ECG. (The ECG that confirms the ACS diagnosis)	to be completed if initial ECG is not the diagnostic
	60	ECG rhythm	Indicate the rhythm on the DIAGNOSTIC admission ECG.	Alphabetic	Drop down list	Sinus rhythm	Sinus rhythm is the name given to the normal rhythm of the heart.	to be completed if initial ECG is not the diagnostic
						Atrial fibrillation	an ECG showing atrial fibrillation will have no visible P waves and an irregularly irregular QRS complex	
						Paced	The cardiac rhythm is controlled by an electrical impulse from an artificial cardiac pacemaker.	
						Other	Any other arrhythmia detected by ECG	
						Unknown	Information missing	
	61	ECG QRS annotation	Indicate DIAGNOSTIC ECG has any QRS abnormalities.	Alphabetic	Drop down list	Normal	No QRS abnormalities	to be completed if initial ECG is not the diagnostic
						LBBB	Left bundle branch block is QRS duration > 120ms	
						RBBB	Right bundle branch block is QRS duration > 120ms; RSR' pattern in V1-3 ("M-shaped" QRS complex);	
						Other	Any other QRS abnormality detected by ECG.	
						Unknown	Information missing	
	62	ECG STT changes	Indicate if the Diagnostic ECG has any ST changes.\n\nNote: if more than one of these options are applicable to a patient then the most severe should be selected	Alphabetic		Normal	No STT changes	to be completed if initial ECG is not the diagnostic
						ST elevation	ST-segment elevation indicates greater than or equal to 1mm (0.1mV) elevation in 2 or more contiguous leads	
						ST depression	ST-segment depression of at least 0.5mm (0.05 mV) in 2 or more contiguous leads (includes reciprocal changes)	
						Pathological T-inversion (absence of ST deviation)	Pathological T- wave inversion of at least 1mm (0.1 mV) including inverted T waves that are not indicative of acute MI [In the absence of ST deviation]	
						Other	Any other ST changes found on ECG.	
						Unknown	Information missing	

Working Diagnosis	63	Working Diagnosis (this will determine the patient's treatment)		Alphabetic	Drop down list	STEMI/LBBB MI	STEMI: There will normally be a history consistent with the diagnosis. The diagnosis requires the presence of cardiographic changes of ST elevation consistent with infarction of =>2mm in contiguous chest leads and/or ST elevation of =>1 mm in 2 or more standard leads. (New LBBB is included; although ST elevation is usually apparent in the presence of LBBB) [MINAP]	-
						NSTEMI	NSTEMI Patients have persistent or transient ST-segment depression or T wave inversion, flat T waves, pseudo normalization of T waves or no ECG changes at presentation. Based on the measurement of a troponin a diagnosis of NSTEMI will be made. In the setting of myocardial ischaemia (chest pain, ECG changes, or new wall motion abnormalities) troponin elevation indicates MI. (2011 ESC guidelines)	
						Unstable Angina	Unstable angina is defined as angina pectoris (or equivalent type of ischaemic discomfort) with any 1 of the 3 following features: a. Angina occurring at rest and prolonged, usually greater than 20 minutes b. New-onset angina of at least CCS classification III severity c. Recent acceleration of angina reflected by an increase in severity of at least 1 CCS class to at least CCS class III..There must be no biochemical evidence of myocardial necrosis. [ACC]	
						Other	Other than the three diagnosis above	

Topography for Acute MI	64	Topography for Acute MI		Alphabetic	Drop down list	Anterior	Changes in v2,v3,v4	-
						Anterolateral	Changes in I, v2 , v5, v6	
						Anteroseptal	Changes in v2,v3	
						Inferior	Changes in Leads 2,3 and AVF	
						Lateral	Changes in I ,AVL,v5,v6	
						Inferolateral	Changes in Leads 2,3 and AVF,avl,v5,v6	
						LBBB	New left bundle branch block	
						No ischaemic changes	Normal ECG recording.	
						Other ischaemic changes	Any other ischemic change not captured in the above.	
						Right Ventricular	St elevation in right v4 on right sided ecg done within 24 hours of symptom onset	
						Unknown	Information missing	
						True posterior	St depression in V1 -V3 , tall R waves	

Aspirin/antiplatelet Loading Doses	65	Aspirin on admission/pre-admission	Indicates whether STEMI patients recieved aspirin prior to hospital admission / on admission to hospital.	Alphabetic	Drop down list	Yes	Only pertains to STEMI patients which recieve aspirin prior to hospital admission / on admission to hospital.	-
						No	Only pertains to STEMI patients who did not recieve aspirin prior to hospital admission / on admission to hospital.	
						Unknown	Information missing	
	66	Antiplatelet on admission/pre-admission	Indicates whether STEMI patients recieved antiplatelet prior to hospital admission / on admission to hospital.	Alphabetic	Drop down list	Yes	Only pertains to STEMI patients which received antiplatelet on admission to the hospital	-
						No	Only pertains to STEMI patients who did not recieve antiplatelet on admission to the hospital	

						Unknown	Information missing	
	67	Thrombolysis therapy administered	Indicates that a thrombolyTIC therapy was administered. KPI = within 30 minutes "door to needle" NB If reperfusion by PCI option 'facilitated' is ticked the type of thrombolysis used should also be indicated in this field	Alphabetic	Drop down list	None	Thrombolysis was not administered	-
						Yes	Yes, a thrombolytic agent administered	
						Unknown	Information missing	
	68	Reason why thrombolysis not administered	Indicates why patient didn't receive thrombolysis	Alphabetic	Drop down list	Primary PCI	Emergency PCI for acute STEMI, no thrombolysis given. Includes patients presenting with a clear history of AMI and new LBBB	If thrombolysis was administered, then N/A
						No ECG criteria	ECG does not show unequivocal ST elevation or new LBBB.	
						Presented too Late	Presented too late [according to local/national/European guidelines] Late presentation of STEMI	
						Other known contraindications (see list)	Absolute contraindications -Haemorrhagic stroke or stroke of unknown origin at any time -Ischaemic stroke in preceding 6 months -Central nervous system damage or neoplasms -Recent major trauma/surgery/head injury (within preceding 3 weeks) -Gastro-intestinal bleeding within the last month -Known bleeding disorder -Aortic dissection Relative contraindications -Transient ischaemic attack in preceding 6 months -Oral anticoagulant therapy -Pregnancy or within 1 week postpartum -Non-compressible punctures -Traumatic resuscitation -Refractory hypertension (systolic blood pressure >180 mm Hg) -Advanced liver disease -Infective endocarditis -Active peptic ulcer ESC Guidelines- Management of AMI in patients presenting with ST-segment elevation 2003	
						Recently thrombolysed other hospital	When patient would not have presented to data entry hospital and would have been thrombolysed in the initial presenting hospital	
						Out of hospital thrombolysis	Thrombolysed outside of the hospital envoirment	
						Other	Indicates that there was another reason (other than those specified above) why thrombolysis was not given	
						N/A	Not applicable for this variable, because thrombolysis was administred to the patient	
						Unknown	Information missing	

	69	Date of Thrombolysis	Date that the patient received thrombolysis.	Date	dd/mm/yyyy		dd/mm/yyyy	Indicate the date thrombolysis was commenced. This is defined as the time the infusion was commenced and/or time of bolus injection.	Only complete if variable #67 is Yes
	70	Time of thrombolysis	Time that the patient received thrombolysis.	Indicate the date and time thrombolysis was commenced. This is defined as the time the infusion was commenced and/or time of bolus injection.	hh:mm		hh:mm	Indicate the time thrombolysis was commenced. This is defined as the time the infusion was commenced and/or time of bolus injection.	Only complete if variable #67 is Yes
	71	If delay in thrombolysis by >30 minutes reason why	Indicates the reason why the administration of thrombolysis was delayed more thatn 30 minutes	Alphabetic	Drop down list	Delay in triage	Delay between patient arrival and assessment at the hospital	Field autocalculates admission D&T and thrombolysis administration D&T. It will give N/A value where thrombolysis was delayed < 30min, or not administered at all
						Delayed ECG diagnosis	Delay in the recording or interpreting of ECG.	
						Hypertension	Patient Hypertensive and needs treatement prior to thrombolysis	
						Evolving STEMI	USA/ NSTEMI that develops STE changes after admission to hospital and elevated biomarkers. (i.e. STE absent from initial ECG)	
						Delayed transport	Delay in transport of patient to nearest hospital	
						Delayed Cath lab activition	Delay In the activation of the cath lab	
						Other	Any other cause for delay	
						Unknown	Cause of dekay is unknown	
						N/A	delay of < 30 min, or not administered at all	
	72	Hospital where thrombolysis done	Indicates the name of the hospital where the thrombolysis was given	Alphabetic	Drop down list	Hospital List same as for variable #50	Hospital where thrombolysis was administered	N/A will only appear if variable #67 is other than "Yes"
Reperfusion treatment	73	Reperfusion by PCI	If the patient underwent a percutaneous coronary interventionin in a timely manner; KPI: primary PCI received within 120 minutes of hospital arrival, positive ecg to balloon / wire cross time and indicate the type. Primary PCI <= 120 minutes first medical contact to balloon / wire cross <= 90 minutes door to balloon / wire cross (ACS programme)	Alphabetic	Drop down list	None	No PCI was performed	If variable #68 is either "No ECG criteria" OR "Presented too late", then N/A auto applies
						Primary	Emergency PCI for acute STEMI, no thrombolysis given. Includes patients presenting with a clear history of AMI and LBBB. As per ESC guidelines a Primary PCI performed on a patient with a STEMI is one that is performed within 12 hrs of onset of symptoms to first MEDICAL CONTACT. ie ED, GP, AMBULANCE.	
						Facilitated	(Outdated - No longer in use) PCI performed in the acute setting as soon as possible after thrombolysis for acute STEMI (or new LBBB) with a clear history of AMI, provided as a routine treatment in addition to thrombolysis NB also complete thrombolysis. Only to be recorded if documented in the medical records.	
						Rescue	PCI performed on a coronary artery which remains occluded/greater than 50% STE despite thrombolytic therapy	
						N/A	Not applicable to this variable, because of no ECG criteria or late presentation	
						Unknown	Information missing	
	74	Date of reperfusion percutaneous coronary intervention (PCI)	Indicate the date of the reperfusion percutaneous coronary intervention [PCI]. i.e. Wirecross time	Date	dd/mm/yyyy		dd/mm/yyyy	Indicate the date of the reperfusion percutaneous coronary intervention [PCI]. i.e. Wirecross time	If variable #73 is "None", then leave empty

		#	Variable	Description	Type	Format	Options	Option description	Validation
		75	Time of reperfusion percutaneous coronary intervention (PCI)	Indicate the time of the reperfusion percutaneous coronary intervention [PCI]. i.e. Wirecross time	Time	hh:mm	hh:mm	Indicate the time of the reperfusion percutaneous coronary intervention [PCI]. i.e. Wirecross time	If variable #73 is "None", then leave empty
		76	If delay in reperfusion by PCI >120 minutes reason why	Indicates the reason why PCI was done > 120 min after the diagnostic ECG	Alphabetic	Drop down list	Delay in triage	Delay between patient arrival and assessment at the hospital	If PCI done at all, filed autocalculates time difference between diagnostic ECG and PCI D&T
							Delayed ECG diagnosis	Delay in the recording or interpretting of ECG.	
							Hypertension	Patient Hypertensive and needs treatement prior to reperfusion	
							Evolving STEMI	USA/ NSTEMI that develops STE changes after admission to hospital and elevated biomarkers. (i.e. STE absent from initial ECG)	
							Delayed transport	Delay in transport of patient to PPCI centre	
							Delayed Cath lab activition	Delay In the activation of the cath lab	
							Other	Any other cause for delay	
							Unknown	Cause of delay is unknown	
							N/A	not applicable for this variable, either because time difference < 120min, or PCI not done at all	
		77	Type of Procedure done	Indicates what type of reperfusion PCI was preformed	Alphabetic	Drop down list	Angioplasty only	balloon angioplasy without deployment of stent	If variable #68 is either "No ECG criteria" OR "Presented too late", AND variable #73 is "None", then N/A auto applies
							Angioplasty and stent	balloon angioplasy with deployment of stent	
							Angiogram only	diagnostic coronary angiogaphy	
							N/A	not applicable to this variable because no PCI was done	
							Unknown	Information missing	
		78	Primary vessel treated during PPCI/ Angiogram	Indicates the primary vessel treated during the PCI/Angiogram	Alphabetic	Drop down list	Left Main Stem (LMD) only	Significant disease is present in left main stem and there is NO significant disease in the RCA. NB patients with LMS disease in this group may also have disease in the LAD and LCx	If variable #73 is "None", then N/A auto applies
							Left Main Stem (LMD) and Right Coronary Artery	Significant disease is present in left main stem + significant disease in RCA	
							Unknown	Information missing	
							LAD	Left Anterior Descending Coronary Artery as the culprit lesion	
							LCx	Left Circumflex Coronary Artery as the culprit lesion	
							RCA	Right Coronary Artery as the culprit lesion	
							N/A	Not applicable for this variable, because no Pci was done	
		79	Outcome of Angiogram/PCI	Indicates the outcome of the PCI or Angiogram	Alphabetic	Drop down list	Sucessful PCI	PCI was successful	If variable #73 is "None", then N/A auto applies
							Unsucessful PCI (incomplete)	PCI was unsuccessful.	
							Unsucessful PCI (Patient deceased)	Patient deceased during procedure.	
							PCI Not required	No intervention required	
							CABG	CABG required	
							Other	Any other outcome not specified	
							N/A	Not applicable for this variable, because no PCI/Angiogram was done	
		80	Hospital where reperfusion PCI done	Indicates the name of the hospital where the reperfusion PCI was done	Alphabetic	Drop down list	Cork University Hospital	Hospital where reperfusion PCI takes place.	If variable #73 is "None" OR "N/A", then N/A auto applies
							University Hospital Limerick		
							University Hospital Waterford		
							Other PCI Hospital		
							N/A	Not applicable to this variable because no Pci was done	
							No	Patient did not have a coronary angiogram during this admission episode	

	81	Coronary angiogram	Indicate if the patient underwent diagnostic coronary angiography during this admission episode.	Alphabetic	Drop down list	Yes	The patient did have a coronary angiogram during this admission episode	-
						Planned OPD	The patient will have a coronary angiogram as an outpatient	
						Unknown	Information missing	
	82	Date of coronary angiogram	Indicates the date of Coronary Angiogram	Date	dd/mm/yyyy	dd/mm/yyyy	Indicates the date of Coronary Angiogram	if variable #81 is other than "Yes", leave empty
	83	Time of coronary angiogram	Indicates the time of Coronary Angiogram	Time	hh:mm	hh:mm	Indicates the time of Coronary Angiogram	if variable #81 is other than "Yes", leave empty
	84	Number of vessels diseased	Indicate from the coronary angiogram performed the number of vessels with significant reduction in luminal diameter due to coronary atheroma (I.e. with stenosis greater than 50%). Significant disease is indicated if the luminal diameter of the coronary artery is reduced by > 50% due to coronary arteromatous disease.	Alphanumeric	Drop down list	0 vessel	No significant disease in any of the coronary arteries	If variable #81 is other than "Yes", N/A auto applies
						1 vessel	Significant disease is present in one vessel only (LAD, LCx, RCA)	
						2 vessel	significant disease is present in two vessels only (LAD, LCx, RCA)	
						3 vessel	significant disease is present in three vessels (LAD, LCx, RCA)	
						Left Main Stem (LMD) only	Significant disease is present in left main stem and there is NO significant disease in the RCA. NB patients with LMS disease in this group may also have disease in the LAD and LCx	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	85	Percutaneous Arterial access	Indicates the route for Arterial Access	Alphabetic	Drop down list	Femoral	Through femoral artery	If variable #81 is "No", N/A auto applies
						Brachial	Through brachial artery	
						Radial	Through radial artery	
						N/A	Not applicable to this variable	
	86	Repeat coronary angiogram	Indicates if there was a repeat coronary angiogram done	Alphabetic	Drop down list	No	There was not a repeat coronary angiogram done	If variable #81 is other than "Yes", N/A auto applies
						Yes	There was a repeat coronary angiogram done	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
Coronary Intervention and Other Procedures	87	Date of repeat coronary angiogram	Indicates the date of an additonal coronary angiogram that was performed	Date	dd/mm/yyyy	dd/mm/yyyy	Indicates the date of an additonal coronary angiogram that was performed	if variable #86 is other than "Yes", leave empty
	88	Stress Test	Indicates if a stress test was preformed in hospital during hospital stay or is planned as an outpatient	Alphabetic		No	Stress test was not preformed during hospital stay	-
						Yes	Stress test was preformed during this hospital stay	
						Planned OPD	Stress test is planned as an outpatient	
						Unknown	Information missing	
	89	Type of stress test	If the patient underwent a stress test during hospital stay indicate the type of stress test.	Alphabetic	Drop down list	None	No Stress test performed	If variable #88 is other than "Yes", N/A auto applies
						Exercise ECG	Method of stress test assessment	
						Stress echocardiogram		
						Other		
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	90	Stress test result	Indicate if signs of ischaemia were present on the stress test used (as determined by the clinician).	Alphabetic	Drop down list	No ischaemia	Negative stress test	If variable #88 is other than "Yes", N/A auto applies
						Signs of ischaemia	Positive stress test	
						Indeterminate	Stress test was inconclusive	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	91	Left ventricular (LV) function	Indicate the patients' estimated or calculated left ventricular [LV] function This categorises the percentage of the blood emptied from the left ventricle at the end of the contraction. Data may have been derived from angiograph	Alphanumeric	Drop down list	Normal (>50%)	Ejection fraction > 50%	-
						Slightly reduced (41-50%)	Ejection fraction between 41 & 50%	
						Moderately reduced (31-40%)	Ejection fraction between 31 and 40%	
						Severely reduced (<30%)	Ejection fraction < 30%	
						LV function not assessed	LVF did not take place	

			been derived from angiography, echocardiography, nuclear imaging, magnetic resonance			Unknown	Information missing	
	92	LVF assessement by	Indicates which test was used to derive the data from	Alphabetic	Drop down list	Angiogram	Data was derived from angiogram	If variable # 91 is "LV function not assessed", "N/A" auto applies
						Echocardiogram	Data was derived from Echocardiogram	
						MRI	Data was derived from MRI	
						Nuclear imaging	Data was derived from Nuclear Imaging	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	93	PCI	Indicate if the patient underwent a PCI during this admission episode	Alphabetic	Drop down list	No	Patient did not have a PCI during this admission episode	-
			This is for patients who had PCI			Yes	The patient did have a PCI during this admission episode	
	94	Date and time of percutaneous coronary intervention (PCI) if done during this hospital admission	Indicate the date and time the PCI was performed if performed during this admission episode.	DateTime	dd/mm/yyyy hh:mm	dd/mm/yyyy hh:mm	Date and time of PCI	If variable #93 is other than "Yes", leave empty
	95	Type of Procedure done	Indicates what type of PCI was preformed	Alphabetic	Drop down list	Angioplasty only	Balloon angioplasy without deployment of stent	If variable #93 is other than "Yes", N/A auto applies
						Angioplasty and stent	Balloon angioplasy with deployment of stent	
						Angiogram only	Diagnostic coronary angiogaphy	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
Coronary Intervention and Other Procedures - PCI that is not a reperfusion PCI on STEMI's	96	Staged PCI	Indicates if a staged PCI was done during this hospital stay or is planned as an outpatient (Staged PCI Is a PCI planned after the initial diagnostic angiogram or PCI it can be done during this admission episode or planned for later, often used to treat	Alphabetic	Drop down list	No	Staged PCI was not done during this admission episode	-
						Yes	Staged PCI was done during this admission episode	
						Planned OPD	Staged PCI planned as an outpatient	
	97	Date and time of staged percutaneous coronary intervention (PCI) if done during this hospital stay	Indicate the date and time the staged PCI was performed if performed during this admission	DateTime	dd/mm/yyyy hh:mm	dd/mm/yyyy hh:mm	The date and time of a staged PCI - a PCI at a later date separate from the performance of the diagnostic catheterization or the performance of an initial PCI	Only accepts values if variable #96 is "Yes"
	98	Type of Procedure done	Indicates what type of Staged PCI was preformed	Alphabetic	Drop down list	Angioplasty only	Balloon angioplasy without deployment of stent	If variable #96 is other than "Yes", N/A auto applies
						Angioplasty and stent	Balloon angioplasy with deployment of stent	
						Angiogram only	Diagnostic coronary angiogaphy	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	99	CABG	Indicate if the patient underwent CABG during this admission episode	Alphabetic	Drop down list	No	Patient did not have a CABG during this admission episode	-
						Yes	The patient did have a CABG during this admission episode	
						Planned OPD	The patient will have a CABG as an outpatient.	
						Unknown	Information missing	
	100	Date of CABG	Indicate the date the CABG was performed if performed during this admission episode.	Date	dd/mm/yyyy	dd/mm/yyyy	Indicate the date the CABG was performed if performed during this admission episode.	Only accepts values if variable #99 is "Yes"
						None	The patient had no electrical devices implanted during this admission	
						Pacemaker (permanent)	The patient had a permanent pacemaker inserted during this admission episode	

	101	Electrical devices	Indicate if the patient had any of the following electrical devices implanted during this admission episode.	Alphabetic	Drop down list	Pacemaker (temporary)	The patient had a temorary pacemaker inserted during this admission episode- ONLY to be selected if used in acute setting, NOT to be selected in routine placement during cardiac surgery	-
						ICD	The patient had an implantable cardioverter defibrillator inserted during this admission episode	
						CRT	The patient received cardiac resynchronization therapy during this admission episode	
						Intra Aortic Balloon Pump (temporary)	The patient had an intra aortic balloon pump inserted during this admission episode	
						Unknown	Information missing	
	102	Complications	Indicate if the patient had complications during this hospital admission	Alphabetic	Drop down list	No	The patient had no complications	-
						Yes	The patient had complications	
						Unknown	Information missing	
	103	Myocardial reinfarction	Indicate if the patient had a myocardial reinfarction during this hospital stay. To meet the criteria as a post admission event, an MI must be distinct from the index event at the time of admission.	Alphabetic	Drop down list	No	The patient had no myocardial reinfarction during this hospital stay	If variable #102 is "No", N/A auto applies
						Yes	The patient had a myocardial reinfarction during this hospital stay	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	104	Stroke during hospital stay	Indicate if the patient was diagnosed as having a stroke during hospital stay, as evidenced by persistent loss of neurological function caused by an ischaemic event.	Alphabetic	Drop down list	No	Patient was not diagnosed with stroke during hospital stay	If variable #102 is "No", N/A auto applies
						Yes	Patient was diagnosed with stroke during hospital stay	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	105	If yes stroke during hospital stay	Indicate if yes to stroke during hospital stay whether ischaemic or haemorrhagic or unknown	Alphabetic		Ischemic		If variable #104 is other than "Yes", N/A auto applies
						Haemorrhagic		
						N/A		
						Unknown		
	106	Cardiac Tamponade	Indicate if the patient had cardiac tamponade during this hospital stay	Alphabetic	Drop down list	No	The patient was not diagnosed with cardiac tamponade during this admission episode	If variable #102 is "No", N/A auto applies
						Yes	The patient was diagnosed with cardiac tamponade during this admission episode	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	107	Cardiogenic Shock	Indicate if the patient had cardiogenic shock during this hospital stay	Alphabetic	Drop down list	No	The patient was not diagnosed with cardiogenic shock during this admission episode	If variable #102 is "No", N/A auto applies
						Yes	The patient was diagnosed with cardiogenic shock during this admission episode	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	108	Left Ventricular Failure	Indicate if the patient had left ventricular failure during this hospital stay	Alphabetic	Drop down list	No	The patient was not diagnosed with left ventricular failure during this admission episode	If variable #102 is "No", N/A auto applies
						Yes	The patient was diagnosed with left ventricular failure during this admission episode	
						N/A		
						Unknown	Information missing	
	109	Pulmonary oedema	Indicate if the patient had pulmonary oedemaduring this hospital stay	Alphabetic	Drop down list	No	The patient was not diagnosed with Pulmonary oedema during this admission episode	If variable #102 is "No", N/A auto applies
						Yes	The patient was diagnosed with Pulmonary oedema during this admission episode	

							N/A	
							Unknown	Information missing
Outcome / Complications During Hospital Stay		110	Crackles	Indicate if the patient had crackles during this hospital stay	Alphabetic	Drop down list	No	The patient was not diagnosed with crackles during this admission episode (LVF implication) Found in Cath Lab report/ notes at any stage during their admission
							Yes	The patient was diagnosed with crackles during this admission episode (LVF implication) Found in Cath Lab report/ notes
							N/A	Not applicable to this variable
							Unknown	Information missing
		111	Failed PCI	Indicate if the patient had a failed PCI during this hospital stay(unable to proceed to balloon angioplasty and/or deployment of stent)	Alphabetic	Drop down list	No	The patient did not have a failed PCI during this admission episode
							Yes	The patient did have a failed PCI during this admission episode
							N/A	Not applicable to this variable
							Unknown	Information missing
		112	Bleeding	Indicate if there was an episode of bleeding during the hospital stay that required close monitoring and/ or specific treatment, e.g. transfusion (blood or blood products). Not associated with arterial access site	Alphabetic	Drop down list	No	The patient did not experience a major bleed during this hospital admission
							Intracranial bleed	The patient had an intracranial bleed documented by one of the following: - bleeding into or around the brain - haemorrhagic conversion of a primary ischaemic stroke - subarachnoid haemorrhage - Intracerebral haemorrhage - Other (Including subdural and epidural haematomas)
							Retroperitoneal bleed (major)	The patient had a major retroperitoneal bleed. Major: Overt clinical bleeding associated with a drop in haemoglobin of greater than 5 g/dl (0.5 g/l) or in haematocrit of greater than 15% (absolute)
							Any other spontaneous bleed (major)	The patient had a major spontaneous bleed at other site. Major: Overt clinical bleeding associated with a drop in haemoglobin of greater than 5 g/dl (0.5 g/l) or in haematocrit of greater than 15% (absolute)
							Bleed HB fall > 3g and < 5g	Overt clinical bleeding associated with a drop in haemoglobin of greater than 3g/dl (0.5 g/l) and less than 5g/dlor in haematocrit of greater than 15% (absolute)
							Bleed HB Fall < 3g	Overt clinical bleeding associated with a drop in haemoglobin of less than 3 g/dl (0.5 g/l) or in haematocrit of greater than 15% (absolute)
							N/A	
							Unknown	Information missing
		113	Mechanical complications	indicate if the patient developed any of the following mechanical complications during this admission. If more than one occurred indicate the most life	Alphabetic	Drop down list	None	No mechanical complication occurred
							Free wall rupture	Free wall rupture occurring at infarct site at free wall of left ventricle.
							Ventricular septal defect	Ventricular Septal Defect: Rupture of the ventricular septum, as documented by cardiac echocardiography, ventriculography, pericardiocentesis, cardiac surgery, and/or autopsy.

Additional column (far right):
- 110: If variable #102 is "No", N/A auto applies
- 111: If variable #102 is "No", N/A auto applies
- 112: If variable #102 is other than "Yes", N/A auto applies
- 113: If variable #102 is other than "Yes", N/A auto applies

			threatening complications			Mitral regurgitation	Mitral Regurgitation: Acute severe MR. May be due to papillary muscle rupture or involvement of papillary muscle in the infarct	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	114	Arrythmias	Indicates if the patient had an arrhythmia of new onset during this admission	Alphabetic	Drop down list	No	The patient had no new onset arrythmia during this hospital admission	If variable #102 is other than "Yes", N/A auto applies
						Atrial fibrillation/ flutter	The patient had a new onset of Atrial fibrillation/ flutter during this hospital admission	
						Heart Block	The patient had a new onset of Heart Block during this hospital admission	
						Ventricular tachycardia	The patient had a new onset of Ventricular tachycardia during this hospital admission	
						Ventricular Fibrillation	The patient had a new onset of Ventricular Fibrillation during this hospital admission	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	115	Resuciated cardiac arrest	Indicate if the patient had a cardiac arrest during hospital admission and was resuscitated.	Alphabetic	Drop down list	No	Patient did not have a cardiac arrest that required resuscitation	If variable #102 is other than "Yes", N/A auto applies
						Yes	Patient had a cardiac arrest that required resuscitation	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	116	Date and time of cardiac arrest	Indicate the date and time of cardiac arrest	DateTime	dd/mm/yyyy hh:mm	dd/mm/yyyy hh:mm	Indicate the date and time of cardiac arrest	Only accepts values if variable #115 is "Yes"
Discharge Details	117	Discharge diagnosis	Indicate the discharge diagnosis, as this is a MANDATORY field, a diagnosis must be chosen from list.	Alphabetic	Drop down list	STEMI/LBBB MI	STEMI: There will normally be a history consistent with the diagnosis. The diagnosis requires the presence of cardiographic changes of ST elevation consistent with infarction of =>2mm in contiguous chest leads and/or ST elevation of =>1 mm in 2 or more standard leads. (New LBBB is included; although ST elevation is usually apparent in the presence of LBBB) [MINAP]	-
						NSTEMI	NSTEMI Patients have persistent or transient ST-segment depression or T wave inversion, flat T waves, pseudo normalization of T waves or no ECG changes at presentation. Based on the measurement of a troponin a diagnosis of NSTEMI will be made. In the setting of myocardial ischaemia (chest pain, ECG changes, or new wall motion abnormalities) troponin elevation indicates MI. (2011 ESC guidelines)	
						Unstable Angina	NB not a diagnosis of exclusion Unstable angina is defined as angina pectoris (or equivalent type of ischaemic discomfort) with any 1 of the 3 following features: a. Angina occurring at rest and prolonged, usually greater than 20 minutes b. New-onset angina of at least CCS classification III severity c. Recent acceleration of angina reflected by an increase in severity of at least 1 CCS class to at least CCS class III. There must be no biochemical evidence of myocardial necrosis. [ACC]	

						Stable angina		
						Other	Symptoms suggestive of coronary artery disease (CAD) on admission but discharge diagnosis is not related to presence of CAD.	
						Myocarditis		
						Pericarditis	Various complications, non-ACS, as recorded on Heartbeat	
						Takotsubu		
						NCCP		
						Unknown	Information missing	
	118	Reason for 'Unknown ' discharge diagnosis	Indicates the reason for an 'unknown' discharge diagnosis	Alphabetic	Drop down list	Awaiting angiogram	Planned OPD	If variable #117 is other than "Unknown", N/A auto applies
						Awaiting Exercise Stress Test	Exercise Stress Test Planned OPD	
						Awaiting myoview	Planned OPD	
						For cardiothoraic review	Planned OPD	
						Self Discharge	Discharges self against medical advice	
						Unknown due to transfer to another hospital	Transfer to a non-CHAIR hospital and discharge data is unretrievable.	
						N/A	Not applicable to this variable	
	119	Survival status at discharge	Indicate vital status at discharge.	Alphabetic	Drop down list	Alive		-
						Dead		
						Unknown	Information missing	
	120	Date of discharge/death	Indicate the date the patient was discharged from hospital or if patient died record the date of death.	Date	dd/mm/yyyy	dd/mm/yyyy	Indicate the date the patient was discharged from hospital or if patient died record the date of death.	-
	121	Hospital where patient discharged from	Indicates the name of the hospital where the patient was discharged from	Alphabetic	Drop down list	Same list as for variable #9	Hospital List	-

	122	Medications at Discharge	Indicate if the patient was prescribed meds on discharge from hospital.	Alphabetic	Drop down list	No	The patient was not prescribed meds on discharge from hospital	If variable #119 is "Dead", N/A auto applies.
						Yes	The patient was prescribed meds on discharge from hospital	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	123	Aspirin	Indicate if the patient was prescribed aspirin on discharge from hospital.	Alphabetic	Drop down list	No	The patient was not prescribed aspirin on discharge from hospital	If variable #119 is "Dead", or #122 is "No", N/A auto applies.
						Yes	The patient was prescribed aspirin on discharge from hospital	
						N/A	Not applicable to this variable	
						Contraindicated	Contraindicated for the patient	
						Unknown	Information missing	
	124	Antiplatelet	Indicate if the patient was prescribed antiplatelet medication (other than aspirin) on discharge from hospital.	Alphabetic	Drop down list	Yes	The patient was prescribed antiplatelet medication on discharge from hospital	If variable #119 is "Dead", or #122 is "No", N/A auto applies.
						No	The patient was not prescribed antiplatelet medication on discharge from hospital	
						N/A	Not applicable to this variable	
						Contraindicated	Contraindicated for the patient	
						Unknown	Information missing	
	125	Anticoagulants	Indicate if the patient was prescribed anticoagulant medication on discharge from hospital.	Alphabetic	Drop down list	Yes	The patient was prescribed anticoagulant medication on discharge from hospital	If variable #119 is "Dead", or #122 is "No", N/A auto applies.
						No	The patient was not prescribed anticoagulant medication on discharge from hospital	
						Unknown	Information missing	
						N/A	Not applicable to this variable	
						Contraindicated	Contraindicated for the patient	
	126	Beta-blockers	Indicate if the patient was prescribed Beta-Blockers on	Alphabetic	Drop down list	Yes	The patient was prescribed Beta-blockers on discharge from hospital	If variable #119 is "Dead", or #122 is "No", N/A auto
						No	The patient was not prescribed Beta-blockers on discharge from hospital	

	#	Variable	Description	Type	Input	Value	Value Description	Notes
Medications at Discharge			discharge from hospital.			Unknown	Information missing	applies.
						Contraindicated	Contraindicated for the patient	
						N/A	Not applicable to this variable	
	127	ACE inhibitors	Indicate if the patient was prescribed ACE inhibitors on discharge from hospital.	Alphabetic	Drop down list	Yes	The patient was prescribed ACE inhibitors on discharge from hospital	If variable #119 is "Dead", or #122 is "No", N/A auto applies.
						No	The patient was not prescribed ACE inhibitors on discharge from hospital	
						Unknown	Information missing	
						Contraindicated	Contraindicated for the patient	
						N/A	Not applicable to this variable	
	128	Angiotensin II receptor blockers	Indicate if the patient was prescribed angiotensin II receptor blockers on discharge from hospital.	Alphabetic	Drop down list	Yes	The patient was prescribed angiotensin II receptor blockers on discharge from hospital	If variable #119 is "Dead", or #122 is "No", N/A auto applies.
						No	The patient was not prescribed angiotensin II receptor blockers on discharge from hospital	
						Unknown	Information missing	
						Contraindicated	Contraindicated for the patient	
						N/A	Not applicable to this variable	
	129	Diabetic control	Indicate the main method of diabetic treatment the patient was prescribed on discharge from hospital.	Alphabetic	Drop down list	None	On discharge the patient was not currently on diet, oral agent and/or insulin for his/her diabetes	If variable #119 is "Dead", or #122 is "No", N/A auto applies.
						Insulin and oral agent	On discharge the main method of diabetic control was a combination of insulin and oral agent	
						Insulin	On discharge the main method of diabetic control was insulin	
						Oral	On discharge the main method of diabetic control was oral agent	
						Diet only	On discharge the main method of diabetic control was diet alone	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	130	Statins	Indicate if the patient was prescribed statins on discharge.	Alphabetic	Drop down list	Yes	The patient was prescribed statins on discharge from hospital	If variable #119 is "Dead", or #122 is "No", N/A auto applies.
						No	The patient was not prescribed statins on discharge from hospital	
						Unknown	Information missing	
						Contraindicated	Contraindicated for the patient	
						N/A	Not applicable to this variable	
	131	Non-statin lipid lowering agents	Indicate if the patient was prescribed non-statin lipid lowering agents on discharge.	Alphabetic	Drop down list	None	The patient was not prescribed any non-statin lipid lowering agent on discharge from hospital	If variable #119 is "Dead", or #122 is "No", N/A auto applies.
						Ezetimibe	The patient was prescribed ezetimibe on discharge from hospital	
						Fibrates	The patient was prescribed fibrates on discharge from hospital	
						Other non-statin	The patient was prescribed other non-statin lipid lowering agent on discharge from hospital	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	132	Smoking Cessation counseling	Indicate if the patient was offered smoking cessation counseling during this admission episode	Alphabetic	Drop down list	Non smoker	The patient was not a smoker	If variable #119 is "Dead", N/A auto applies.
						Yes	The patient was offered smoking cessation counseling	
						No	The patient was not offered smoking cessation counseling	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
						No- Patient declined	The patient was offered cardiac rehab but declined	

Section	#	Variable	Description	Type	Format	Option	Option Description	Rule
Cardiac Rehab / Smoking Cessation Counseling Referral During Hospital Stay	133	Cardiac rehab	Indicate if the patient was offered cardiac rehab during this admission episode	Alphabetic	Drop down list	No- due to co-morbidity	The patient was not offered cardiac reab due to other health problem	If variable #119 is "Dead", N/A auto applies.
						No- no reason	The patient was not offered cardiac rehab	
						Yes	The patient was offered cardiac rehab	
						N/A	Not applicable to this variable	
						Unknown	Information missing	
	134	Location for Cardiac Rehab	Hospital were cardiac rehab took place	Alphabetic	Drop down list	Bantry General Hospital	Hospital were cardiac rehab took place	If variable #119 is "Dead" or variable #133 is other than "Yes", N/A auto applies.
						Bon Secours Hospital Cork		
						Bon Secours Hospital Tralee		
						Cork University Hospital		
						University Hospital Kerry		
						Mallow General Hospital		
						Mater Private Cork		
						Mercy University Hospital		
						Other Hospital		
						Tipperary University Hospital		
						Unknown		
						Waterford University Hospital		
						University Hospital Limerick		
						N/A		
	135	Date of Cardiac Rehab (Phase 3)	Date of appointment	Date	dd/mm/yyyy	dd/mm/yyyy	Indicate the date for the first appointment with Cardiac Rehab post discharge	If variable #119 is "Dead", doesn't accept any value.
	136	Further comments		Free text	A free text box to add in any important information not recorded in the data fields	Free text	-	-
Follow up post STEMI	137	Survival Status at 30 days post MI	Indicates the date the patient was followed up post their MI	Alphabetic	Drop down list	Alive	Patient is alive on day 30 after MI	If variable #119 is "Dead", N/A auto applies.
						Dead	Patient deceased before the follow up day	
						Unknown	Information missing	
						N/A	Not applicable to this variable	
	138	Cause of Death (if applicable)	Indicates the cause of death after the day of discharge from Hospital and before the day of follow up	Alphabetic	Drop down list	CVD		If variable #119 is "Dead", N/A auto applies.
						Non CVD		
						Unknown		
						N/A		