Clinical C Collabora	Cohorts in C ation (4C)	Coror	ary dis	ease		VERSION 1.1 (14.08.13)								
Affix unique patient identifier label here														
Case notes reviewed by (recruiter ID): Date of case note review:/														
(full name, for external reviewers):														
Site: 001 002 003 004														
Method of a	admission/sett	ting	ſ		1	r		I				1		
			Ele	ctive planned ¹		Inp	atient transfer ²			Em	ergency ³			
Final diagnosis														
Stable angina ¹ Unstable angina ² STEMI ³														
				NSTEMI4		Non-CA	\D chest pain⁵				Other ⁶			
		II			I			Spe	ecify othe	er:				
0.1														
Outcome				No treatment ¹		Medica	management ²				PCI ³			
				Surgery ⁴		Furthe	r investigation⁵				Other ⁶			
Specify further investigation: Specify other:										ı				
Date of rec	cruitment						D	D	M	M Y	Y Y	Y		
Patient de	ceased?	Yes ¹				Enter date	of death	D	M	M Y	Y Y	Y		

SECTION A: HISTORY/PHYSICAL EXAMINATION

1.1 Chest pain/discomfort as	a presenting symptom
Yes ¹	No ² (go to qn A2)
1.2 Other symptoms or reaso	ns referred for investigation (tick all that apply)
Shortness of breath ¹	Non-specific symptoms ⁸
Dizziness ¹⁰	Syncope ¹¹ Pre-operative ¹² Not recorded ⁷
Other ⁵	Specify:
1.3 Chest pain characterizatio	n in the history
Typical ¹	Atypical ² Non-cardiac ⁴
1.4 Physician diagnosis	
Stable exertional angina (go to qn A1.5)1	ACS: Unstable angina ⁸ ACS: STEMI ⁹ Non-cardiac chest pain ⁴ (go to qn A1.7) (go to qn A1.7)
	ACS: NSTEMI ¹⁰ (go to gn 1.7)
1.5 If stable angina, based on	the history provided about the patient's activity level select CCS class(select only one option)
Angina only during strenuous or	prolonged exertion at work or recreation ¹
Slight limitation, with angina only	/ during vigorous physical activity ²
Symptoms with everyday living	activities, i.e. moderate limitation ³
Inability to perform any activity w	vithout angina or angina at rest, i.e. severe limitation ⁴
1.6 If stable angina, pre-test	Drobability of coronary artery disease Duke % probability of CAD
Low ¹	Medium ² High ³
1.7 If <u>ACS</u> Peak troponin level	Units Troponin T or Troponin I value recorded?
ECG changes: ST elevation ⁷	ST depression ¹ Yes, not further specified ⁸ Other ³ (e.g. T wave inversion) None ⁰
A2. RISK FACTORS (at tim	e of index investigation)
2.1 Smoking	Current smoker ¹ Ex-smoker ² Never smoked ⁴
2.2 Hypertension	Yes ¹ Year of diagnosis
2.3 Hyperlipidaemia	Yes1 Year of diagnosis:
2.4 Diabetes mellitus	Yes1 Year of diagnosis: 17ype 1
0.5. Deduced bit	
2.5 Body weight	Elevated ⁵
2.6 Family history (1 st	Relation Age at diagnosis Diagnosis
coronary heart disease	Mother1 Ml1 CAD2

Positive ¹		Father ²						MI ¹			С	AD ²				
2.7 Body measuremen	nts – rec	ord measur	ements clo	osest to i	index											
Date of measurem	nents		D D	MN	ЛY	Y	Y	Y								
Body weight		stones	s po	unds		OR				kg		AND			B	MI
Height		feet _	in	ches		OR				ст						
	<u> </u>															
2.8 Blood pressure re	ading															
	1) E ir	inter value a ndex investig	t index or I ation	b efore , b	ut clos	est to	2)	Ente inve	er valı stigat	ie afi ion	ter, b	ut clo	sest to	o inde:	(
		D D M	M	ΥY	Y	Y	,	D	D	M	M	Y	Ý	Ý Y	Y	_
Systolic BP							<u> </u>	mm	Hg							
Diastolic BP			mmHg								mm	Hg				
Method of BP measurement	Invasi [,] Non-ir	ve ¹ (ascendi nvasive ²		Inva Nor	asive¹ n-inva:	(asc sive²	endir	ng ao	rta)							
2.9 Heart rate			bpm								b	pm				
A3. PHYSICIAN DIA admission	AGNOSE	ED PREVIC	OUS CARE		STOR	f Include	e all e	events	s lead	ding	to bu	ıt not	inclue	ding ti	he cui	rrent
□ No ² (go to qn	A4)			Data	of fire	+			-			1	1	-	1	
disease (IHD) or	L Yes ¹			dia	anosis	5										
coronary heart					0	-			D	D	Μ	Μ	Y	Y	Y	Y
disease (CHD)		Treatmer	nt (first adı	mission 1	for IHE)/CHD):		PCI	1	M	ledic	al ²		Surg	ery ³	
Myocardial infarction (MI)	Yes ¹	Number of MIs	of total	Date	of firs M	t I			D	D	М	М	Y	Y	Y	Y
		Type (firs	t MI if knc	wn):			S	TEM	1	١	NSTE	EMI ²				
Unstable angina	Yes ¹	Number of admissio	of total ns	Date adn for ur	of firs nissior nstable angina	t n e a			D	D	Μ	М	Y	Y	Y	Y
Angiogram	Yes ¹	Number o	of total	Date Angi	of firs iogram	t 1			D	D	Μ	М	Y	Y	Y	Y

Percutaneous coronary intervention (PCI)	Yes ¹	Number of total PCIs Number of total vessels revascularised ever (prior to index)	Date of first PCI Number of tota	al stents ever (prior t	D o inde	M ex)	M	Y	Y	Y	Y
Coronary artery bypass graft (CABG)	Yes ¹	Number of total surgeries	Date of first CABG		D	D	M	М	Y	Y	Y	Y
		Number of total ves	sels bypassed	ever (prior to in	ide							
Heart failure	Yes ¹	Type: Ischaemic ¹ L	Non-ischae	emic cardiomyo	II ²	_2	Hy	perte	nsive	3	Othe	¥r ⁴
		Latest LVEF value Good ¹ Mild ² Moderate ³ Severe ⁴	Enter month LVEF result	and year of Y Y Y Y								
Arrhythmia	Yes ¹	Date of first diagnos	Sis		D	D	M	M	Y	Y	Y	Y
		Type of arrhhythmia Atrial fibrillation ¹	a (at first diagno	isis): tachycardia ² Atrial flutter ⁵	lator ²	Sup	raven (tricula Other	ar tac ⁵ (stat	hycar e belo er³	ˈdia³ ɔw) [

				(ICD)							
		Date first de	vice inserted									
					D	D	Μ	Μ	Y	Y	Y	Y
A4. NON-CARDIAC H	IISTORY	, ,				•	•	•	•		•	
\square Yes ¹	oction B)											
Peripheral arterial		Location:	Date of									
disease	Yes ¹		first			D	1.4	5.4	V	V	V	V
		Abdominal aortic	diagnosis		D	D	IVI	IVI	Y	Y	Y	Y
		Lower limb										
		ischaemia ²										
Stroke		Type of stroke:	Date of									
	Yes ¹	Ischaemic ¹	first		D	D	Μ	Μ	Y	Y	Y	Y
		Haemorrhagic ²	diagnosis									
TIA			Date of									
	Yes ¹		first		D	D	М	М	Y	Y	Y	Y
			diagnosis									
Chronic		On treatment?	Date of									
obstructive	Yes ¹	Yes1	first		D	D	Μ	Μ	Y	Y	Y	Y
pulmonary disease/asthma		No ⁰	diagnosis									
uisease/astiinia												
Chronic renal		Aetiology:	Date of									
disease	Yes ¹	Hypertension	first		D	D	Μ	Μ	Y	Y	Y	Y
			ulagriosis									
		Diabetes mellitus ²										
		Other ³										
		Treatment:	(e)GFR at	Value			GR	1	eGFR	2		
		Nono	enrolment									
				Units								
		Haemodialysis										
		Chronic peritoneal										
		dialysis ²										

		No ⁰	diagnosis	D	D	Μ	Μ	Y	Y	Y	Y
Depression	Yes ¹	Treated? Yes1 No ⁰	Date of first diagnosis	D	D	Μ	Μ	Y	Y	Y	Y
Cancer	Yes ¹	Type of cancer	Date of first gnosis	D	D	Μ	Μ	Y	Y	Y	Y
Other diagnoses Year of diagnosis Diagnosis 1 Diagnosis 2 Diagnosis 3			Diagnosis 4		Y(f diag		S]	

B. Results of index (preferred) or non-index angiogram soonest after date of index investigation

1	.1 Inva	asive co	oronar	y angiog	ıram +/- P	CI = NATIVE	VESSEL	S					
								Enter date of	of procedure	e Norm	al study		
	D	D	Μ	Μ	Y	Y Y	Y				🗌 Yes	1	
		Had previou stent? (tick if yes1)	O no m bl	cclusion ow (state or od/sev/ ocked))	Treated now? (enter BMS or DCS for type)		Had previous stent? (tick if yes ¹)	Occlusion now (state % or mod/sev/ blocked))	Treated now? (enter BMS or DCS for type)		Had previous stent? (tick if yes ¹)	Occlusio n now (state % or mod/sev/ blocked))	Treat ed now ? (ente r BMS or DCS for type)
L	M					P LAD before 1 st branch				P LAD after 1 st branch			

D1							Sept	tal						D2						
Mid LAD		_					Dist	al LAD						Ra	mus				_	
PLCX							OM1							ON	/12					
OM3							MLC	CX						DI	LCX					
P RCA		_					MRC	A						DI	RCA					
															-					
PDA							PLV bran	ich												
Dominance	Rig	ht ¹	[I		LVE	F	Good ¹		N	lild ²		Ou	itcome					
	Lef	t²	[Г			Moder	ate ³	🗆 s	evere4		(st	ate)					
	Co	dominan	C=3	7		L		%												
	00	dominan	00 1																	
1.2 Coron	ary	CT ang	giogr	ran	1															
											Enter da	ate of	procedure		Normal	study	/			
D	D	Μ	M		Y	,	Y	Y	Y								Yes ¹			
		Had	0	0	cclusion r	OW				Ha	d	Occ	clusion now	Τ			Had	10	Occlu	isio
		stent?	5	(S m	od/severe	/				ste	nt?	mo	d/severe/				stent?	tick	(state	v 9 %
		(tick if y	'es¹)	ble	ocked)					(tic	k if yes¹)	bloo	cked)				if yes1)		or mod/s	sev
																			ere/ blocke	ed)
LM							P 1	LAD bef st branch	fore					P 1'	LAD after st branch	,				/
D1							S	eptal						D	2					
Mid LAD							D	istal LAI)					R	amus					
P LCX							0	M1						0	M2					
OM3							M	LCX						D	LCX					
P RCA							М	IRCA						D	RCA					
PDA							P	LV brand	ch											
Dominance		Right ¹					Ľ	VEF	_	Goo	od ¹	 		0	utcome state)					
		Co-dom	ninanc	e ³				%						(*						

									Enter date	of procedure	Norm	al study		
D	D	N	Л	Μ	Y	Y	Y	Y					· ~ 1	
	Type of		Occli	Ision	Treated			Type of	Occlusion	Treated			Occlusio	Treate
	(state IMA ¹ or vein gra (VG) ²)	aft	now % or mod/ block	(state /sev/ red))	now? (enter BMS or DCS for type)			graft (state IMA ¹ or vein graft (VG) ²)	now (state % or mod/sev/ blocked))	now? (enter BMS or DCS for type)		graft (state IMA ¹ or vein graft (VG) ²)	n now (state % or mod/sev/ blocked))	d now? (enter BMS or DCS for type)
LM						P LA befo bran	\D re 1 st ich				P LAD after 1 st oranch			
D1						Sept	al				02			
Mid LAD						Dist	al LAD				Ramus			
P LCX						OM1					OM2			
OM3						MLO	cx				DLCX			
P RCA						MRC	A				D RCA			
PDA						PLV bran	ch							<u> </u>
Dominand	ce	Rig Lef	ht ¹ t ² •domir	iance ³		LVE	F %	Good ¹ Moderate ³	Mild ²	4	Outcome (state)			

1.4 Overall assessment (from	1.1, 1.2 or 1.3)		
Normal angiogram ¹	1 diseased vessel ²	2 diseased vessel ³	3 diseased vessel ⁴

SECTION C: OTHER INVESTIGATIONS

TESTS CARRIED OUT AT INDEX (PREFERRED) OR SOONEST BEFORE/AFTER INDEX, IF RELATED TO INDEX INVESTIGATION Collected from test reports or discharge summary

C1. Resting ECG	findings										
Test	Yes ¹	Date of resting ECG closest to									
performed:	□ No ²	index investigation									
	(If no, go to			D	D	M	M	Y	Y	Y	Y
	QC2)									i	
Normal study (if a	the conclusion	I BBB	RBBB								
states normal)											
		☐ Yes ¹		Yes	1						
Paced		Abnormal findings (from text)									
Туре											
											-
□ Single-c	chamber ¹										
Dual-ch	amber ²										
Rate-re	sponsive ³										
Other (s	state below)4										_
											-
1											

C2. Exercise electrocardiogram finding

Test performed:	Yes ¹	Date of exercise ECG closest to index									
		investigation		D	D	M	N/L	V	V	V	V
	No ²			D	D	IVI	IVI	Т	I	T	T
	(If we we to 000)	Normal study (if the conclusion states	Μ	inute	es ex	ercis	ed				
	(If no, go to QC3)	normal)		г							
									mir	IS	
		Yes ¹		L							
		BP response	E>	ces	sive	high/	fall?				
		Normal ¹ Abnormal ²	E>	ces	sive	High	1		Exc	cessiv	'e
			Fa	all ²							

Pre-test HR:	Age predicted max HR reached	Maximal HR reached:
bpm	Yes ¹	bpm
	>1 mm ST segment flattening/down sloping	Leads I ¹ aVF ⁴ V1 ⁷ V4 ¹⁰
	Yes ¹	II ² aVL ⁵ V2 ⁸ V5 ¹¹
		III ³ aVR ⁶ V3 ⁹ V6 ¹²
	ST elevation	Leads I ¹ aVF ⁴ V1 ⁷ V4 ¹⁰
	Yes ¹	II ² □ aVL ⁵ □ V2 ⁸ □ V5 ¹¹
		III ³ aVR ⁶ V3 ⁹ V6 ¹²
	Territory of ECG changes: An	terior ¹ Lateral ² Inferior ³
	Ventricular ectopy during test	Chest pain during test
	Yes ¹	Yes1

C3. Resting trans-thoracic echocardiogram findings

Test performed:	Yes ¹	Date of resting closest to	trans-thoracic echo index investigation		D	D	M	Μ	Y	Y	Y	Y
	(If no, go to QC4)	Normal study (if the one of the o	conclusion states	LV	'EF	<u>.</u>					• 	%
		Yes ¹										
		LVEF (from text)		Re	egiona	al wal	l moti	ion ab	norm	ality		
		Good ¹ Moderate ³	Mild ² Severe ⁴	Ye	es ¹] (Go	to C	8 to ei	nter r	esults	;)	
		Left atrial size		LV	′ED d	imen	sion					
			AP									cm
		Aroo (0m?)	-1! ± / \									

Any significant	valve disease	? Yes			
		Aortic ¹	Mitral ²	Tricuspid ³	Pulmonary ⁴
Stenosis ¹	Moderate ¹				
	Severe ²				
Regurgitation ²	Moderate ¹				
	Severe ²				
Tick the appropri	iate combinati	on:			

C4. Stress echocardiogram test findings

Test performed:	Yes ¹	Date of stress echo test										
		closest to index		D	D	М	М	Y	Y	Y	Y	
	LIN0 ²	investigation						-		-		
	(If no, go to QC5)	Normal study (if the conclusion states normal) Yes ¹	Regional wall r Yes ¹ (Go to	notior o C8 1	n abn to ent	ormal er res	ity sults)					
		LVEF	Was ischaemia	a indu	ced?							
		%	Yes ¹			S	tresso	or: Ao	denosii	ne ¹		
								Dobu	tamine	2		
		Good ¹ Mild ²						Dipyr	ridamo	₽³		
		Moderate ³ Severe ⁴										

C5. Nuclear myocardial perfusion test findings

Test performed:	Yes ¹	Date of nuclea	ar myocardial pe osest to index ir	erfusion test nvestigation	D	D	Μ	Μ	Y	Y	Y	Y
	(If no, go to QC6)	Normal study (normal) Yes ¹	if the conclusion	Was Yes	s isch	aemia	a indu	ced?				
		Good ¹	Mild ² Severe ⁴		Stre	ssor	Ade Dobu Dipyr	nosine tamine idamol	1 2 e ³			

Type of perfusion defect	Severity	Basal anterior ¹	Basal anteroseptal	Basal inferoseptal ³	Basal inferior ⁴	Basal inferolateral	Basal anterolateral	Mid-anterior 7	Mid-anteroseptal ⁸	Mid-inferoseptal ⁹	Mid-inferior ¹⁰	Mid-inferolateral ¹¹	Mid-anterolateral ¹²	Apical anterior ¹³	Apical septal ¹⁴	Apical inferior ¹⁵	Lateral ¹⁶	Apex ¹⁷
	Mild ¹																	
Reversible ¹	Moderate ²																	
	Severe ³																	
Fixed ²																		
, give detail	s																	

C6. CMR test findings

Test	performed:	Yes ¹				Date	of CN	IR tes	st clos	sest to	o index	x								
									i	nvest	igatior	۱	D	D	Μ	Μ	Y	Y	Y	Y
		└ No ²												<u> </u>	<u> </u>					
		(If no, go to	QC7)	N	orma	l stud	y (if ti	he co	nclus	ion st	ates	W	as is	chae	mia in	duce	d?			
		()0	. ,	n	ormai)														
				Y	es ¹							Ye	es¹							
				Ľ	VEF				%	, D										
				G	ood ¹			Mi	ld2			St	tress	or:	Adenos	sine1				
					000			IVII						D	obutam	nine ²				
				M	oderat	e ³		Se	vere ⁴					D	ipyrida	mole ³				
Tick	k the appropriate combination																			_
	Type of perfusion defect	Severity	Basal anterior ¹	Basal anteroseptal ²	Basal inferoseptal ³	Basal inferior ⁴	Basal inferolateral ⁵	Basal anterolateral ⁶	Mid-anterior 7	Mid-anteroseptal ⁸	Mid-inferoseptal ⁹	Mid-inferior ¹⁰	Mid-inferolateral11	Mid-anterolateral ¹²	Apical anterior ¹³	Apical septal ¹⁴	Apical inferior ¹⁵	Lateral ¹⁶	Apex ¹⁷	
		Mild ¹																		1
	Reversible ¹	Moderate ²																		1
		Severe ³																	1	
	Fixed ²	1																		
If fixe	ed, give detai	ls									I									

C7. CT calcium scoring test findings

Test performed:	Yes ¹	Date of CT calcium scoring test									
	□ No ²			D	D	Μ	Μ	Y	Y	Y	Y
	(If no, go to QC8)	Territory of calcium	Aç	gatsto	on sco	ore:					
		LAD ¹ RCA ² LCX ³	-								

Present:		ΠY	(es1																	
			No ²	o <i>"</i>																
		(If no	o, go to	Sectio	on D)															
Source of information	Source of Resting Information: Cick the appropriate combination								diogra	am²		Nu Sca	clear] an ³	myoc perf	ardia		MR sca	RI stre] an ⁴	ss perfu	sion
Tick the app	oropriate	comb	ination									1					1			
																				1
			Basal anterior ¹	Basal anteroseptal ²	Basal inferoseptal ³	Basal inferior ⁴	Basal inferolateral ⁵	Basal anterolateral ⁶	Mid-anterior 7	Mid-anteroseptal ⁸	Mid-inferoseptal ⁹	Mid-inferior ¹⁰	Mid-inferolateral ¹¹	Mid-anterolateral ¹²	Apical anterior ¹³	Apical septal ¹⁴	Apical inferior ¹⁵	Lateral ¹⁶	Apex ¹⁷	
Нур	pokinetic ¹																			
Dys	skinetic ²																			1
Aki	inetic ³																			1
				1	ı	1	1	1	1	1	1			1	1	1	1	1	1	J

SECTION D: MEDICATION

	<u>At time o</u>	f index investigation	Dose	Unit	OD1/BD2/TDS3/QDS4	<u>On discharge</u>	Dose	Unit	OD1/BD2/TDS3/QDS4
D1. CVD N	ledication	าร							
Beta-blocker	Yes ¹	Atenolol ¹				Yes ¹ Atenolol ¹			
		Bisoprolol ²				Bisoprolol ²			
		Carvedilol ³							
		Metoprolol ⁴				Metoprolo ⁴			
		Other state name ¹⁰				Other state			
Antiplatelet	Yes ¹	Aspirin ¹				Yes ¹ Aspirin ¹			
		Clopidogrel ²				Clopidogrel ²			
		Other state name ¹⁰				Other state			
Anticoagulant	Yes ¹	Heparin ¹				Yes ¹ Heparin ¹			
		Warfarin ²				Warfarin ²			
		Other state name ¹⁰				Other state			

	<u>At time o</u>	f index investigation	Dose	Unit	OD1/BD2/TDS3/QDS4	<u>On discharge</u>	Dose	Unit	OD1/BD2/TDS3/QDS4
Statin	Yes ¹	Atorvastatin ¹				Yes ¹ Atorvastatin ¹			
		Fluvastatin ²				Fluvastatin ²			
		Lovastatin ³				Lovastatin ³			
		Pravastatin ⁴				Pravastatin ⁴			
] Simvastatin⁵				Simvastatin⁵			
		Other state name ¹⁰				Other state			
				LI				I	
ACE inhibitor] Captopril ¹				Captopril ¹			
	Yes1	7							
		Enalapril ²				Enalapril ²			
		Lisinopril ³				Lisinopril ³			
		Perindopril ⁴				Perindopril ⁴			
] Quinapril⁵				Quinapril⁵			
] Ramipril ⁶				Ramipril ⁶			
] Trandolapril ⁷				Trandolapril ⁷			
		Other state name ¹⁰				Other state			
			<u> </u>						

	<u>At time of inde</u>	<u>x investigation</u>	Dose	Unit	OD1/BD2/TDS3/QDS4	<u>On discha</u>	arge	Dose	Unit	OD1/BD2/TDS3/QDS4
Angiotensin receptor blocker	Yes'	Candesartan ¹ Losartan ² Other state name ¹⁰				Yes ⁱ	Candesartan ¹			
Calcium channel blocker	Yes ¹	Amlodipine ¹ Diltiazem ² Nifedipine ³ Verapamil ⁴ Other state name ¹⁰				Yes ¹	Amlodipine ¹			
Long acting nitrate	Yes'	Isosorbide dinitrate 1 Isosorbide mononitrate ² Other state name ¹⁰				Yes ¹	Isosorbide dinitrate1 Isosorbide mononitrate2 Other state n/a0			
	Yes ¹	II/d°				Yes ¹				

	<u>At time of ind</u>	lex investigation	Dose	Unit	OD1/BD2/TDS3/QDS4	<u>On discharge</u>	Dose	Unit	OD1/BD2/TDS3/QDS4
Diuretic	Yes ¹	Chlorothiazide ¹				Yes ¹ Chlorothiazide ¹			
		Metolazone ²				Metolazone ²			
		Bumetanide ³				Bumetanide ³			
		Ethacrynic acid ⁴				Ethacrynic acid ⁴			
		Frusemide ⁵				☐ Frusemide ⁵			
		Torsemide ⁶				Torsemide ⁶			
		Amiloride ⁷				Amiloride ⁷			
		Eplerenone ⁸				Eplerenone ⁸			
		Spironolactone ⁹							
		Other state name ¹⁰				Other state			
Glucose lowering	Yes ¹	Insulin ¹				Yes ¹ Insulin ¹			
		Metformin ²				Metformin ²			
		Gliclazide ³				Gliclazide ³			
		Other state name ¹⁰				Other state			
			· · · · · · · · · ·						
Cardiac glycosides	Yes ¹	Digoxin ¹				Yes ¹ Digoxin ¹			



At time of index investigation	Dose	Unit	OD1/BD2/TDS3/QDS4	<u>On discharge</u>	Dose	Unit	OD1/BD2/TDS3/QDS4