

Supplementary Table 6 Recording in primary care, hospital data, disease registry and death registry of myocardial infarction (MI) patients and records in other data sources within 30 days.

	Non-fatal myocardial infarction			Fatal myocardial infarction (death within 7 days)			
	Primary care (CPRD, N=13 380)	Hospital admission (HES, N=12 189)	Disease registry (MINAP, N=9438)	Primary care (CPRD, N=1914)	Hospital admission (HES, N=1255)	Disease registry (MINAP, N=621)	Cause specific mortality (ONS N=2919)
	n (cum %)	n (cum %)	n (cum %)	n (cum %)	n (cum %)	n (cum %)	n (cum %)
What was recorded in CPRD?							
ST elevation MI	714(5.3)	666(5.5)	553(5.9)	10(0.5)	7(0.6)	6(1.0)	7(0.2)
Non ST elevation MI	2 650(25.1)	1 973(21.7)	1 337(20.0)	9(1.0)	6(1.0)	3(1.4)	7(0.5)
MI, not otherwise specified	10 016(100)	6 461(74.7)	4 776(70.6)	1 895(100)	470(38.5)	223(37.4)	1 617(55.9)
Unstable angina or acute coronary syndrome		307(77.2)	402(74.9)		7(39.0)	4(38.0)	11(56.3)
Other cardiac		1 119(86.4)	953(85.0)		112(48.0)	57(47.2)	192(62.8)
Chest pain		333(89.1)	283(88.0)		59(52.7)	38(53.3)	71(65.3)
<i>Evidence for contact with secondary care</i>		663(94.5)	597(94.3)		307(77.1)	151(77.6)	439(80.3)
<i>Transfer out of general practice</i>		103(95.4)	65(95.0)		268(98.5)	129(98.4)	538(98.7)
<i>None of the above*</i>		564(100)	472(100)		19(100)	10(100)	37(100)
What was recorded in HES?							
Primary diagnosis of MI (I21-I23) in 1st hospital episode	9 096(68.0)	12 189(100)	6 851(72.6)	462(24.1)	1 255(100)	422(68.0)	1 072(36.7)
Primary diagnosis of MI (I21-I23) after 1st episode	624(72.6)		511(78.0)	75(28.1)		30(72.8)	97(40.0)
Unstable angina	652(77.5)		651(84.9)	22(29.2)		10(74.4)	37(41.3)
Other cardiac	983(84.9)		780(93.2)	143(36.7)		51(82.6)	202(48.2)
Chest pain	127(85.8)		74(93.9)	10(37.2)		2(82.9)	16(48.8)
<i>None of the above†</i>	1 898(100)		571(100)	1 202(100)		106(100)	1 495(100)
What was recorded in MINAP?							
ST elevation MI	3 409(25.5)	3 458(28.4)	3 928(41.6)	151(7.9)	277(22.1)	345(55.6)	304(10.4)
Non ST elevation MI	3 306(50.2)	3 445(56.6)	5 510(100)	78(12.0)	149(33.9)	276(100)	194(17.1)
Discharge diagnosis of unstable angina	379(53.0)	425(60.1)		14(12.7)	28(36.2)		38(18.4)
Admission diagnosis of acute coronary syndrome	121(53.9)	140(61.3)		17(13.6)	26(38.2)		37(19.6)
<i>No record in MINAP</i>	6 165(100)	4 721(100)		1 654(100)	775(100)		2 346(100)
What was recorded in ONS?							
MI (I21-I23) underlying				1 526(79.7)	1 073(85.5)	495(79.7)	2 919(100)
MI (I21-I23) any other cause				175(88.9)	71(91.2)	50(87.8)	
Other coronary disease (I20-I25) underlying				110(94.6)	51(95.2)	31(92.8)	
Other coronary disease (I20-I25) any other cause				24(95.9)	18(96.7)	13(94.8)	
<i>None of the above</i>				79(100)	42(100)	32(100)	

* For both HES and MINAP myocardial infarction patients, the most common CPRD Read codes if none of the listed codes were recorded included 'telephone encounter', 'home visit' and codes indicating blood pressure readings and blood tests (which are some of the most commonly codes used in the CPRD data source).

† For both CPRD and MINAP myocardial infarction patients, the most common ICD-10 codes if none of the listed codes were recorded included end-stage renal disease, hypertensive renal disease, and unknown/unspecified causes of morbidity.

Abbreviations: CPRD, Clinical Practice Research Datalink; HES, Hospital Episode Statistics; ICD-10, International Classification of Diseases, 10th revision; MI, myocardial infarction; MINAP, Myocardial Ischaemia National Audit Project; ONS, Office for National Statistics