

**Supplementary Table 4** Incidence of fatal and non-fatal myocardial infarction in 2003-2009 by age group and sex, and by Government Office Region.

Data sources: CPRD - primary care, HES - hospital admissions, MINAP - acute coronary syndrome registry, ONS - death registry

**Incidence of myocardial infarction by age group, sex and year**

Rates per 100 000 population aged over 18, standardised to the European standard population (95% confidence interval)

**Myocardial infarction incidence for men aged 75 or over**

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	626 (557, 701)	620 (552, 694)	496 (438, 559)	482 (426, 543)	493 (438, 553)	367 (321, 418)	326 (245, 427)
1: HES	476 (417, 542)	505 (444, 573)	457 (401, 518)	385 (335, 440)	401 (352, 455)	300 (259, 346)	280 (205, 375)
1: MINAP	288 (242, 340)	354 (303, 411)	318 (271, 369)	309 (265, 358)	329 (285, 379)	323 (280, 371)	241 (172, 329)
1: ONS	121 (92, 157)	174 (139, 215)	132 (103, 167)	158 (126, 195)	123 (96, 155)	102 (78, 131)	156 (102, 230)
2: HES, ONS	598 (531, 672)	522 (460, 590)	520 (461, 586)	456 (402, 516)	458 (405, 516)	356 (311, 407)	392 (302, 502)
3: CPRD, MINAP, HES	869 (787, 956)	772 (696, 853)	665 (598, 738)	528 (470, 592)	542 (484, 605)	535 (479, 596)	460 (362, 578)
4: CPRD, MINAP, HES, ONS	892 (810, 981)	743 (669, 824)	606 (542, 676)	660 (595, 731)	578 (518, 643)	592 (533, 656)	524 (419, 648)

**Myocardial infarction incidence for women aged 75 or over**

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	447 (406, 491)	362 (325, 403)	338 (303, 377)	315 (281, 351)	320 (287, 357)	275 (245, 309)	278 (218, 352)
1: HES	325 (290, 364)	322 (288, 360)	296 (262, 333)	276 (245, 311)	245 (216, 278)	244 (216, 276)	218 (165, 284)
1: MINAP	212 (183, 244)	246 (215, 279)	174 (150, 202)	202 (175, 232)	217 (189, 248)	209 (182, 240)	216 (165, 281)
1: ONS	120 (99, 145)	82 (65, 103)	92 (75, 113)	72 (56, 91)	69 (54, 87)	53 (40, 69)	80 (50, 125)
2: HES, ONS	359 (323, 400)	387 (348, 429)	326 (292, 364)	303 (270, 339)	296 (264, 332)	279 (248, 313)	301 (239, 377)
3: CPRD, MINAP, HES	542 (497, 591)	477 (435, 523)	393 (355, 434)	430 (390, 473)	391 (354, 431)	356 (321, 394)	396 (323, 483)
4: CPRD, MINAP, HES, ONS	553 (507, 602)	515 (471, 563)	406 (368, 448)	413 (375, 456)	414 (376, 455)	335 (301, 373)	439 (362, 531)

## Myocardial infarction incidence for men aged under 75

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	158 (148, 169)	147 (138, 158)	140 (131, 150)	125 (116, 134)	119 (111, 128)	109 (101, 117)	123 (107, 142)
1: HES	117 (108, 127)	117 (108, 126)	115 (106, 124)	102 (95, 110)	101 (94, 109)	99 (92, 107)	111 (95, 129)
1: MINAP	65 (58, 72)	82 (74, 90)	83 (76, 91)	82 (75, 90)	86 (79, 93)	80 (74, 87)	86 (74, 101)
1: ONS	37 (32, 43)	39 (34, 45)	30 (26, 35)	29 (25, 33)	24 (21, 29)	24 (21, 28)	30 (23, 40)
2: HES, ONS	145 (135, 156)	138 (128, 148)	125 (116, 135)	118 (110, 127)	118 (110, 127)	108 (100, 116)	123 (106, 141)
3: CPRD, MINAP, HES	207 (195, 220)	192 (181, 204)	181 (170, 193)	167 (157, 177)	165 (155, 175)	146 (137, 155)	168 (149, 190)
4: CPRD, MINAP, HES, ONS	216 (204, 229)	203 (192, 216)	192 (181, 203)	170 (160, 180)	161 (151, 171)	146 (137, 155)	155 (137, 175)

## Myocardial infarction incidence for women aged under 75

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	175 (163, 187)	164 (153, 176)	138 (128, 148)	135 (125, 145)	125 (117, 135)	115 (106, 123)	117 (101, 136)
1: HES	137 (126, 148)	128 (118, 139)	116 (107, 126)	120 (111, 130)	115 (106, 124)	97 (90, 106)	101 (86, 119)
1: MINAP	81 (73, 90)	99 (91, 109)	85 (77, 94)	91 (83, 99)	89 (82, 97)	89 (82, 97)	86 (72, 103)
1: ONS	35 (30, 41)	40 (34, 46)	35 (30, 40)	32 (28, 37)	31 (27, 36)	32 (27, 37)	28 (20, 38)
2: HES, ONS	148 (137, 160)	151 (140, 162)	140 (130, 150)	140 (130, 150)	124 (115, 134)	112 (104, 121)	110 (95, 128)
3: CPRD, MINAP, HES	214 (201, 228)	211 (198, 225)	188 (176, 201)	184 (173, 196)	166 (156, 177)	154 (144, 164)	148 (131, 169)
4: CPRD, MINAP, HES, ONS	227 (214, 242)	214 (201, 228)	187 (175, 199)	182 (171, 193)	172 (161, 183)	163 (153, 173)	173 (152, 196)

## Incidence of myocardial infarction by region and year

Rates per 100 000 population aged over 18, standardised to the European standard population (95% confidence interval)

### 1. North East

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	253 (171, 385)	257 (164, 410)	302 (202, 463)	208 (131, 337)	213 (130, 348)	136 (83, 239)	311 (131, 761)
1: HES	205 (134, 326)	243 (158, 386)	153 (94, 277)	208 (126, 346)	248 (155, 392)	133 (68, 254)	221 (54, 693)
1: MINAP	144 (76, 268)	140 (80, 261)	107 (62, 219)	85 (37, 195)	196 (125, 316)	188 (108, 321)	95 (25, 473)
1: ONS	15 (3, 98)	68 (32, 172)	93 (34, 228)	55 (23, 149)	50 (13, 149)	87 (38, 194)	116 (6, 578)
2: HES, ONS	257 (174, 391)	199 (120, 339)	239 (134, 413)	186 (110, 318)	286 (188, 434)	195 (126, 313)	176 (71, 562)
3: CPRD, MINAP, HES	357 (256, 506)	329 (228, 487)	188 (121, 318)	321 (226, 466)	318 (215, 472)	290 (191, 441)	346 (171, 779)
4: CPRD, MINAP, HES, ONS	293 (203, 432)	409 (284, 592)	394 (283, 562)	226 (156, 346)	284 (184, 436)	314 (216, 461)	328 (112, 834)

## 2. North West

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	192 (173, 213)	178 (161, 197)	170 (152, 190)	152 (137, 170)	145 (130, 162)	138 (124, 154)	135 (109, 170)
1: HES	146 (130, 165)	139 (124, 157)	135 (120, 152)	134 (119, 150)	125 (111, 141)	113 (100, 128)	139 (111, 176)
1: MINAP	84 (72, 98)	108 (94, 124)	94 (82, 107)	93 (81, 108)	110 (97, 125)	108 (95, 123)	90 (68, 119)
1: ONS	40 (32, 50)	50 (40, 62)	33 (26, 42)	43 (35, 53)	29 (22, 37)	39 (32, 48)	31 (19, 51)
2: HES, ONS	170 (152, 190)	177 (159, 197)	161 (145, 180)	147 (132, 163)	143 (128, 160)	128 (114, 143)	132 (104, 168)
3: CPRD, MINAP, HES	260 (238, 284)	234 (213, 257)	219 (200, 241)	197 (179, 217)	202 (184, 222)	173 (157, 191)	186 (151, 228)
4: CPRD, MINAP, HES, ONS	274 (251, 299)	248 (227, 272)	220 (200, 242)	197 (179, 216)	194 (176, 214)	187 (170, 205)	196 (161, 239)

## 3. Yorkshire

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	165 (134, 207)	185 (150, 229)	167 (138, 203)	137 (110, 171)	136 (110, 171)	118 (95, 148)	148 (97, 229)
1: HES	128 (101, 165)	166 (132, 210)	107 (83, 138)	122 (97, 154)	126 (100, 160)	114 (89, 146)	120 (77, 193)
1: MINAP	72 (51, 104)	113 (86, 149)	103 (80, 133)	98 (76, 129)	91 (69, 121)	86 (67, 113)	78 (47, 139)
1: ONS	53 (35, 81)	38 (22, 64)	37 (24, 58)	35 (22, 56)	34 (22, 55)	24 (13, 44)	48 (20, 112)
2: HES, ONS	179 (147, 220)	192 (154, 238)	132 (105, 167)	152 (122, 190)	122 (97, 154)	110 (88, 138)	151 (97, 237)
3: CPRD, MINAP, HES	231 (191, 281)	219 (183, 263)	186 (152, 228)	180 (151, 216)	203 (170, 243)	171 (142, 206)	236 (167, 336)
4: CPRD, MINAP, HES, ONS	241 (203, 287)	247 (207, 296)	223 (185, 270)	185 (154, 223)	180 (151, 216)	162 (135, 196)	180 (121, 270)

## 4. East Midlands

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	142 (108, 188)	164 (129, 210)	160 (127, 204)	124 (96, 162)	137 (109, 174)	136 (107, 173)	124 (69, 221)
1: HES	151 (117, 198)	141 (107, 187)	115 (88, 152)	104 (81, 138)	99 (74, 133)	126 (97, 164)	63 (25, 147)
1: MINAP	57 (39, 87)	101 (76, 137)	72 (52, 102)	94 (70, 128)	95 (71, 129)	94 (69, 128)	102 (55, 191)
1: ONS	43 (27, 72)	37 (21, 66)	38 (25, 62)	22 (12, 43)	26 (16, 46)	28 (16, 48)	6 (1, 67)
2: HES, ONS	171 (131, 223)	162 (128, 208)	123 (96, 161)	143 (112, 183)	109 (83, 144)	126 (99, 162)	101 (53, 192)
3: CPRD, MINAP, HES	238 (193, 294)	199 (160, 249)	183 (149, 227)	188 (152, 234)	171 (138, 215)	184 (149, 227)	161 (100, 260)
4: CPRD, MINAP, HES, ONS	251 (205, 308)	215 (175, 266)	194 (157, 241)	200 (163, 247)	153 (123, 192)	145 (116, 182)	200 (134, 305)

## 5. West Midlands

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	166 (146, 188)	154 (136, 175)	119 (104, 138)	123 (108, 140)	116 (102, 133)	105 (91, 122)	135 (104, 177)
1: HES	135 (117, 156)	108 (92, 126)	119 (103, 137)	103 (89, 120)	102 (88, 118)	84 (72, 99)	113 (86, 151)
1: MINAP	76 (63, 93)	92 (78, 109)	85 (71, 102)	72 (60, 87)	72 (61, 86)	79 (68, 93)	86 (63, 118)
1: ONS	36 (27, 49)	46 (36, 60)	33 (26, 44)	22 (16, 31)	26 (19, 36)	24 (17, 34)	39 (25, 64)
2: HES, ONS	155 (134, 178)	138 (120, 159)	119 (104, 136)	127 (110, 147)	122 (108, 140)	105 (91, 120)	106 (77, 147)
3: CPRD, MINAP, HES	215 (193, 240)	174 (155, 197)	191 (169, 215)	172 (153, 194)	145 (128, 164)	138 (123, 156)	137 (109, 176)
4: CPRD, MINAP, HES, ONS	217 (194, 244)	195 (174, 218)	176 (157, 197)	169 (151, 190)	165 (148, 185)	140 (124, 158)	132 (100, 175)

## 6. East of England

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	147 (129, 168)	146 (127, 167)	106 (91, 124)	106 (91, 124)	107 (92, 124)	98 (84, 114)	96 (73, 129)
1: HES	125 (107, 147)	116 (100, 136)	104 (89, 122)	87 (74, 104)	93 (80, 109)	78 (66, 92)	86 (63, 121)
1: MINAP	59 (47, 74)	90 (75, 108)	74 (61, 90)	69 (57, 83)	74 (63, 88)	76 (64, 90)	76 (53, 110)
1: ONS	33 (25, 45)	34 (26, 46)	28 (21, 39)	26 (19, 36)	25 (18, 35)	17 (12, 25)	21 (11, 42)
2: HES, ONS	120 (103, 140)	123 (105, 144)	108 (94, 125)	112 (98, 129)	99 (86, 115)	101 (88, 117)	93 (70, 126)
3: CPRD, MINAP, HES	179 (158, 204)	176 (155, 200)	155 (136, 176)	133 (117, 152)	148 (131, 167)	134 (119, 152)	118 (90, 156)
4: CPRD, MINAP, HES, ONS	186 (165, 211)	179 (159, 203)	149 (131, 170)	162 (144, 183)	151 (134, 171)	113 (99, 129)	140 (108, 181)

## 7. South West

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	214 (190, 242)	201 (178, 228)	157 (139, 179)	171 (152, 193)	155 (137, 176)	138 (121, 157)	152 (117, 198)
1: HES	152 (131, 176)	154 (135, 176)	152 (132, 174)	149 (130, 170)	125 (109, 144)	127 (110, 146)	113 (84, 152)
1: MINAP	104 (88, 124)	91 (77, 109)	110 (93, 129)	115 (99, 135)	107 (91, 125)	116 (101, 134)	119 (88, 162)
1: ONS	46 (36, 61)	50 (38, 65)	40 (30, 52)	41 (32, 53)	37 (29, 48)	33 (25, 44)	31 (16, 58)
2: HES, ONS	190 (168, 216)	184 (162, 209)	168 (147, 192)	151 (133, 172)	156 (137, 177)	147 (130, 168)	138 (105, 180)
3: CPRD, MINAP, HES	256 (230, 286)	275 (249, 305)	233 (209, 260)	203 (181, 227)	190 (170, 212)	193 (172, 215)	225 (183, 276)
4: CPRD, MINAP, HES, ONS	269 (242, 300)	276 (249, 306)	226 (203, 252)	227 (204, 252)	195 (174, 218)	206 (185, 229)	187 (151, 234)

## 8. South Central

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	161 (140, 185)	139 (121, 160)	124 (107, 143)	112 (96, 130)	103 (89, 119)	93 (80, 108)	106 (80, 142)
1: HES	118 (101, 138)	103 (89, 121)	110 (94, 129)	82 (69, 98)	107 (93, 125)	82 (70, 97)	72 (49, 106)
1: MINAP	79 (64, 97)	77 (63, 94)	68 (57, 83)	69 (57, 84)	91 (76, 108)	77 (65, 91)	84 (61, 118)
1: ONS	32 (23, 44)	32 (23, 44)	36 (27, 48)	29 (22, 40)	25 (19, 35)	22 (16, 32)	17 (8, 39)
2: HES, ONS	127 (109, 148)	128 (111, 149)	130 (113, 150)	103 (88, 120)	111 (96, 129)	87 (74, 102)	118 (91, 154)
3: CPRD, MINAP, HES	192 (170, 217)	177 (157, 201)	158 (139, 179)	149 (131, 169)	132 (117, 150)	135 (119, 153)	138 (109, 178)
4: CPRD, MINAP, HES, ONS	197 (175, 223)	178 (158, 202)	167 (148, 189)	142 (125, 162)	147 (130, 167)	144 (128, 163)	144 (113, 185)

## 9. London

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	220 (197, 247)	188 (167, 212)	187 (165, 213)	171 (150, 195)	164 (144, 186)	142 (125, 161)	136 (103, 179)
1: HES	157 (136, 182)	163 (141, 187)	136 (118, 158)	152 (134, 174)	144 (126, 165)	137 (119, 157)	141 (108, 186)
1: MINAP	92 (77, 111)	134 (114, 157)	104 (88, 123)	130 (112, 151)	110 (95, 129)	92 (79, 108)	103 (75, 142)
1: ONS	48 (37, 62)	48 (37, 62)	49 (38, 64)	42 (32, 55)	42 (32, 56)	31 (24, 42)	49 (33, 76)
2: HES, ONS	184 (162, 210)	184 (162, 209)	177 (155, 202)	179 (158, 203)	162 (144, 184)	134 (118, 153)	149 (116, 193)
3: CPRD, MINAP, HES	260 (234, 290)	270 (242, 302)	244 (218, 273)	268 (241, 299)	226 (204, 252)	181 (162, 202)	167 (131, 214)
4: CPRD, MINAP, HES, ONS	298 (268, 331)	273 (244, 305)	263 (237, 293)	233 (209, 260)	225 (203, 250)	193 (173, 215)	199 (160, 249)

## 10. South East Coast

Sources	2003	2004	2005	2006	2007	2008	2009
1: CPRD	193 (168, 221)	176 (154, 203)	174 (151, 202)	160 (140, 184)	144 (125, 165)	128 (111, 147)	119 (86, 164)
1: HES	132 (113, 155)	141 (122, 165)	142 (122, 166)	139 (120, 162)	118 (101, 137)	112 (96, 130)	118 (86, 163)
1: MINAP	79 (65, 96)	94 (78, 114)	110 (93, 131)	114 (96, 135)	97 (81, 115)	90 (76, 107)	90 (65, 127)
1: ONS	41 (31, 55)	40 (30, 53)	28 (20, 41)	37 (27, 50)	30 (22, 40)	43 (33, 57)	43 (26, 74)
2: HES, ONS	163 (141, 188)	149 (129, 173)	162 (142, 186)	159 (138, 184)	134 (117, 155)	126 (109, 146)	147 (113, 193)
3: CPRD, MINAP, HES	250 (222, 282)	243 (216, 273)	210 (186, 237)	194 (171, 219)	188 (167, 213)	165 (146, 187)	189 (148, 242)
4: CPRD, MINAP, HES, ONS	255 (228, 286)	223 (198, 251)	207 (183, 235)	215 (190, 243)	190 (168, 214)	188 (167, 212)	234 (189, 291)