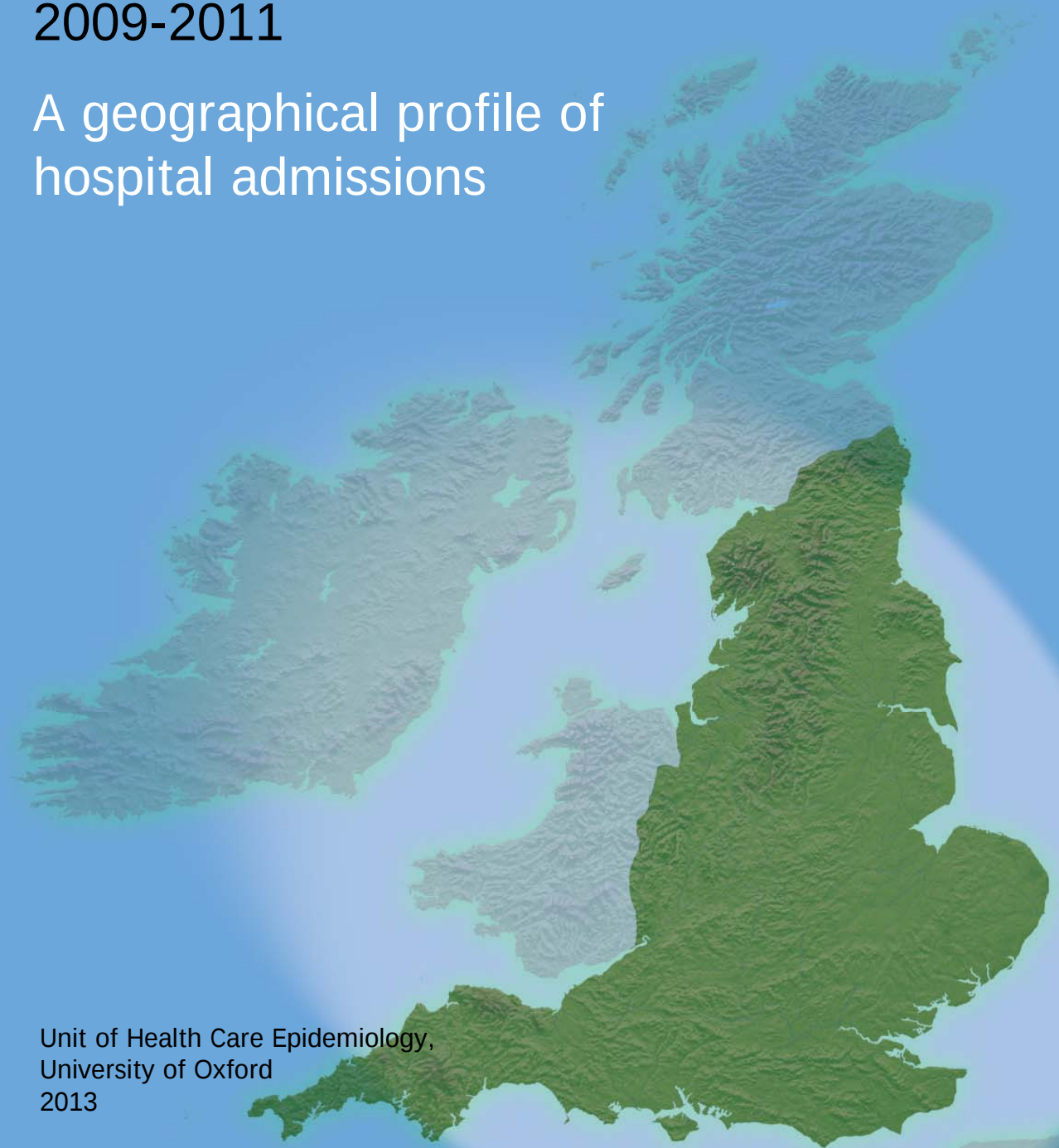


Coronary revascularisation in England 2009-2011

A geographical profile of
hospital admissions

Unit of Health Care Epidemiology,
University of Oxford
2013



Coronary revascularisation in England 2009-2011

A geographical profile of hospital admissions.

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This document provides a geographical profile of hospital admission for Coronary revascularisation in England. The geographical areas covered are the standard local authority areas of England. The period covered is 01/01/2009 to 31/12/2011. The data are from Hospital Episode Statistics (HES). HES includes data on all NHS hospital admissions (including admissions for day case care).

The maps show:

- (a) The spell-based admission rates per 100,000 resident population for each geographical area per year, expressed as an average annual rate. The spell is the hospital admission, representing the continuous time spent in a hospital Trust from admission to discharge. A person admitted several times for the condition is counted as many times as he/she has admissions. The data in the maps are shown as quintiles of geographical areas, with the one-fifth of areas with the lowest rates shown in the lightest colour and the one-fifth of areas with the highest rates shown in the darkest colour.
- (b) The person-based admission rate per 100,000 resident population for each geographical area per year, counting people once (and only once) per year in which they were admitted, expressed as an average annual rate. If the person has another admission for the condition in a different year, he/she is counted once again (and only once) for each different year of admission.

- (c) The ratio of the number of spells with the condition (a, above) per person admitted for the condition (b, above), expressed as an annual average.

The two error-bar charts provide a plot of the values of the average annual spell-based rate and the average annual person-based rate (counting people once, and only once, in each year) for each geographical area, each vertical line representing one geographical area. It shows the point estimate for the standardised rate for the area with its 95% confidence interval. At a glance, the error-bar charts show the spread of rates across England and the extent to which variation across the country is statistically significant.

The first scatter-plot shows the number of spells per person plotted against the person-based rate. The second scatter-plot shows the average Index of Multiple Deprivation (IMD 2004) score for each geographical area plotted against the person-based rate (counting people once, and only once, in each year) for each area in England.

The first table shows the individual values for each geographical area, with the areas ranked in alphabetical order. For each area, the information in the table provides data about spells showing the observed number of spells (Obs.); the expected number of spells (Exp.), obtained by applying national age-sex-specific rates to the age-sex distribution of the geographical population; the age-standardised rate, calculated by indirect standardisation, expressed per 100,000 population with the 95% lower and upper confidence limits for the rate; and the same measures for people admitted (counting people once, and only once, in each year) per 100,000 population per year.

The second table shows the geographical areas ranked according to the standardised spell-based admission rate (ranked from highest to lowest rate).

The third table shows the geographical areas ranked according to the standardised person-based admission rate, in which people are counted once per year (ranked from highest to lowest rate).

Some technical notes:

- Dataset used: UHCE-built linked file for England, , cips file, analysis template 2
- Diagnosis codes used:
- Specialty codes used:
- Operation codes used: K40.1-K50.9
- Diagnosis position:
- Operation position: any
- Period covered: admissions from 01/01/2009 to 31/12/2011
- Source of admission: any
- Exclusion of successive admissions: -
- Age/sex restriction: Ages: 0-119 , Sexes: both
- Restrictions relating to presence of other diagnoses or operations: none
- Restrictions relating to length of stay: none
- Restrictions relating to type of hospital: those in England only, otherwise none
- Place of residence: that on HES record at the time of admission; in the analysis of 'person-based rates' someone who moves home and has an admission from two different areas is counted twice – once for each area.

We are very grateful for statistical advice from Valerie Seagroatt and for computing support from Daniel Meddings. David Yeates, Leicester Gill, Nick Hall, Matt Davidson and Valerie Seagroatt are funded by the NHS National Institute for Health Research.

Ethical approval: REC references 04/Q2006/175 and 04/Q2006/176.

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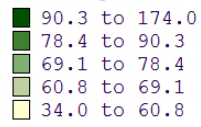
Coronary revascularisation: spells: males and females

Indirectly standardised rate per 100 000: each local authority in England

Any mention of operation: 2009-2011

All admissions

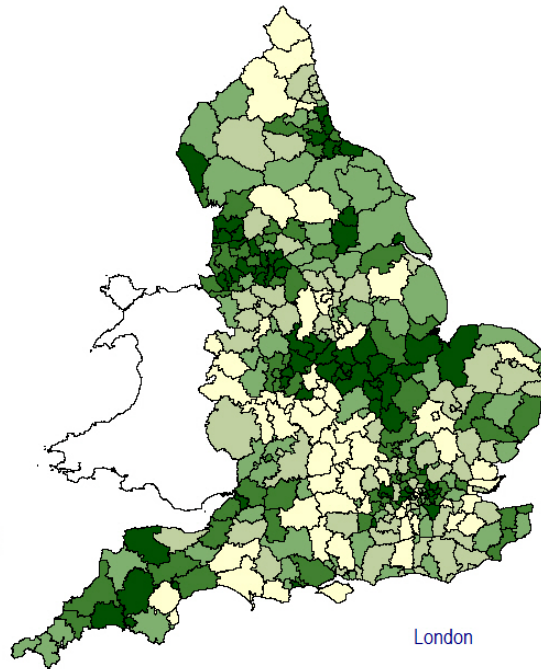
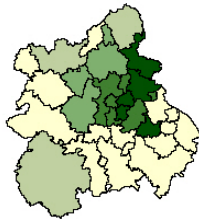
Quintile range of rates



Manchester



West Midlands



London



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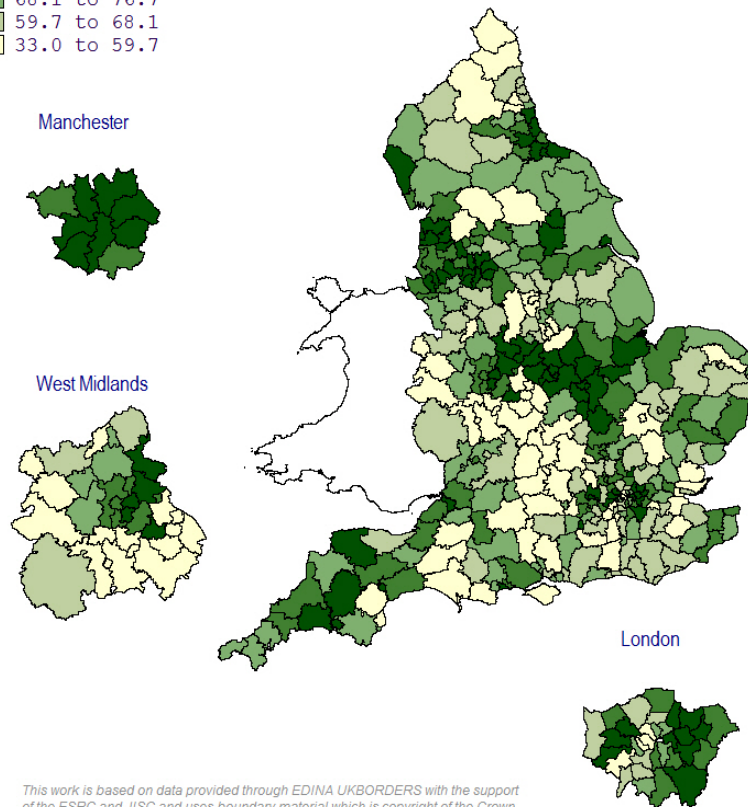
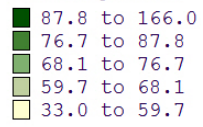
Coronary revascularisation:: males and females

Indirectly standardised rate per 100 000: each local authority in England

Any mention of operation: 2009-2011

All admissions

Quintile range of rates



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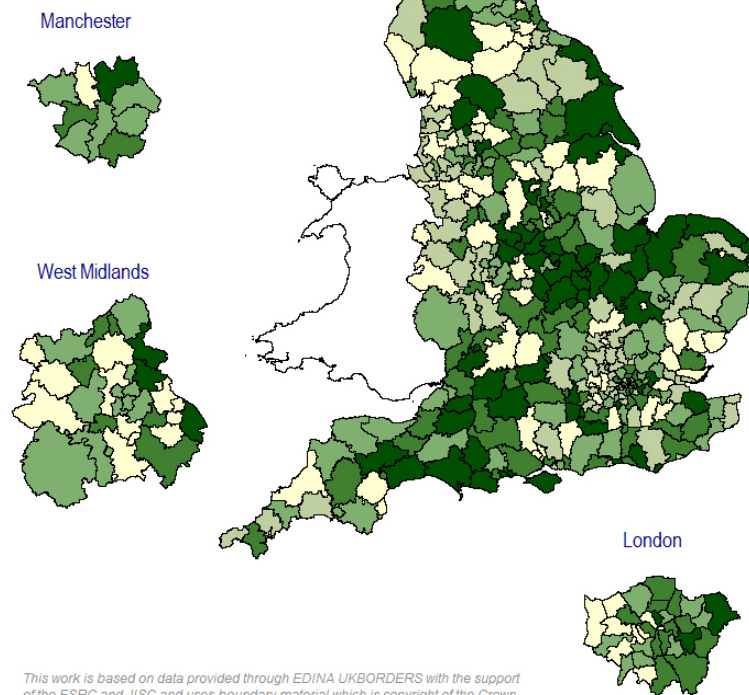
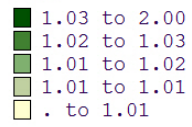
Coronary revascularisation: ratios: males and females

Number of spells per person: each local authority in England

Any mention of operation: 2009-2011

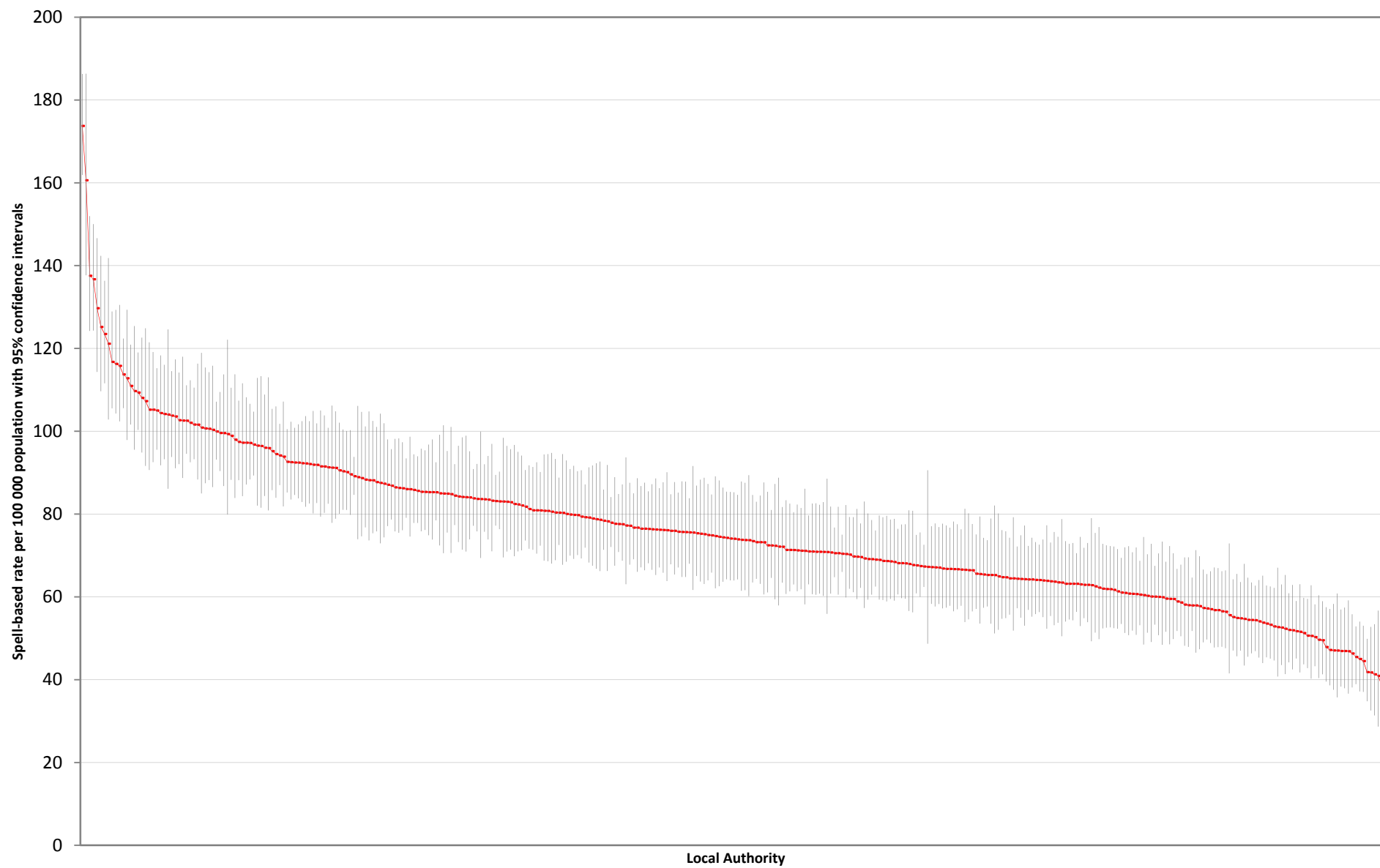
All admissions

Ratios

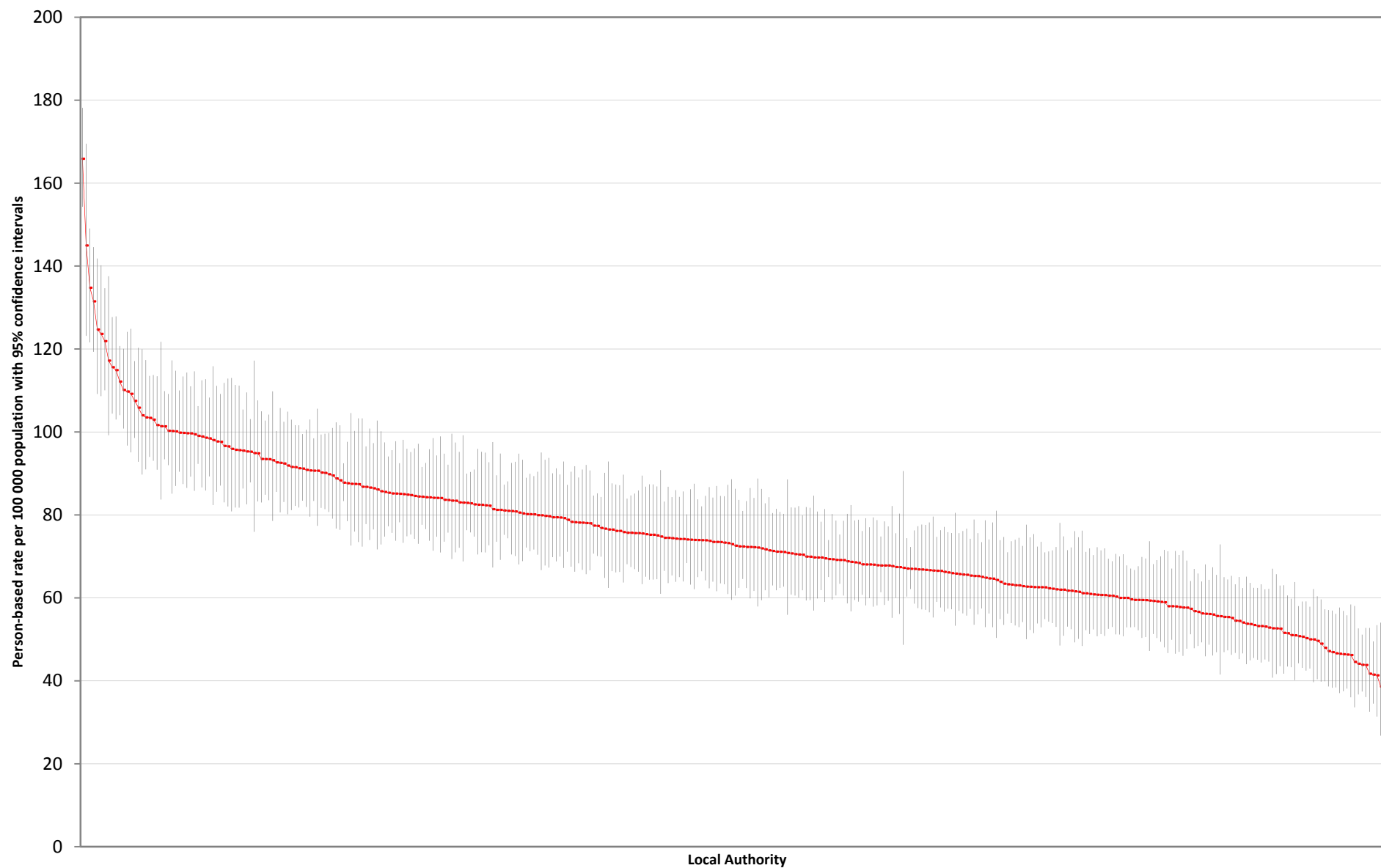


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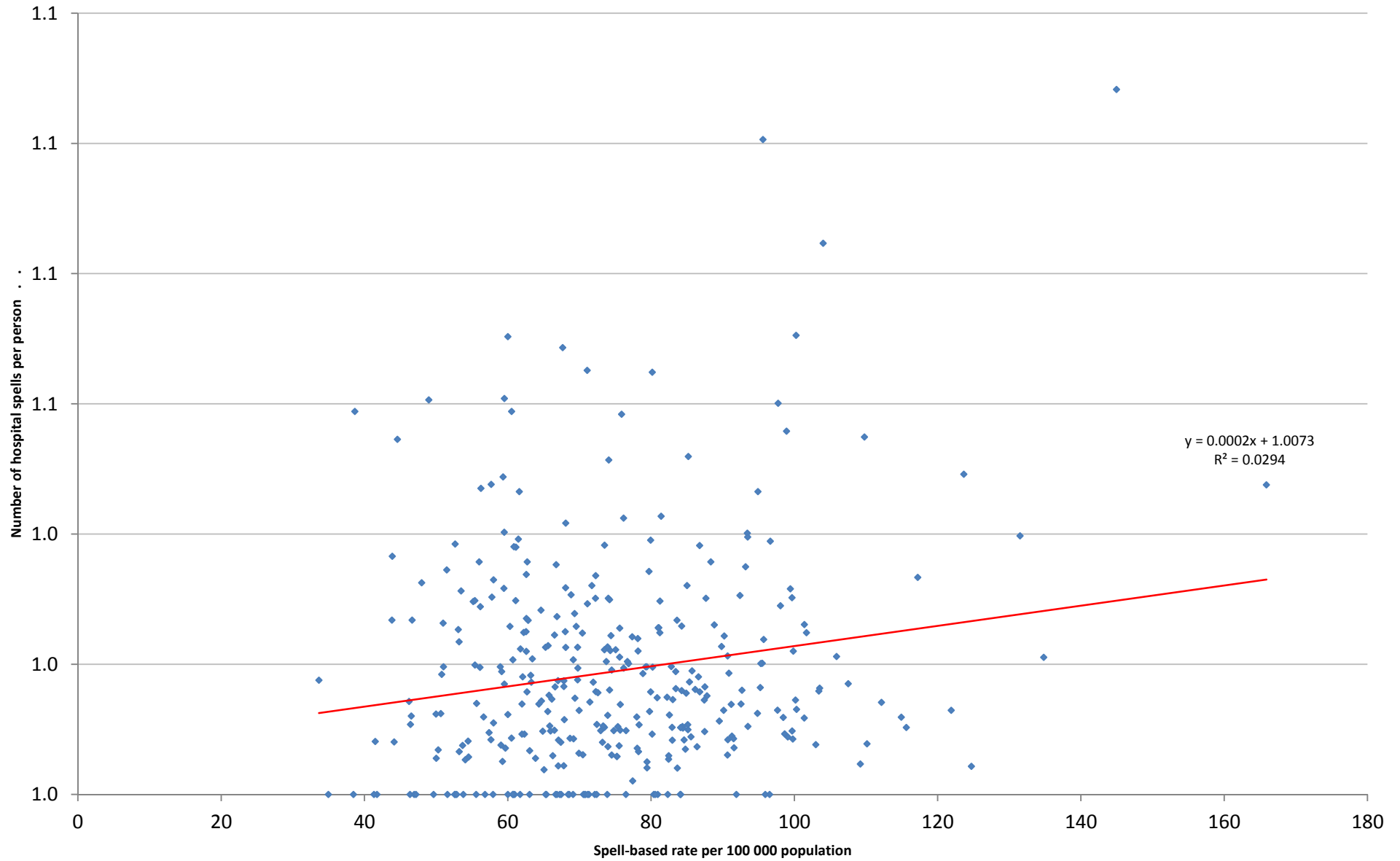
Coronary revascularisation : Spell-based rate per 100 000 population for each Local Authority , Both Sexes



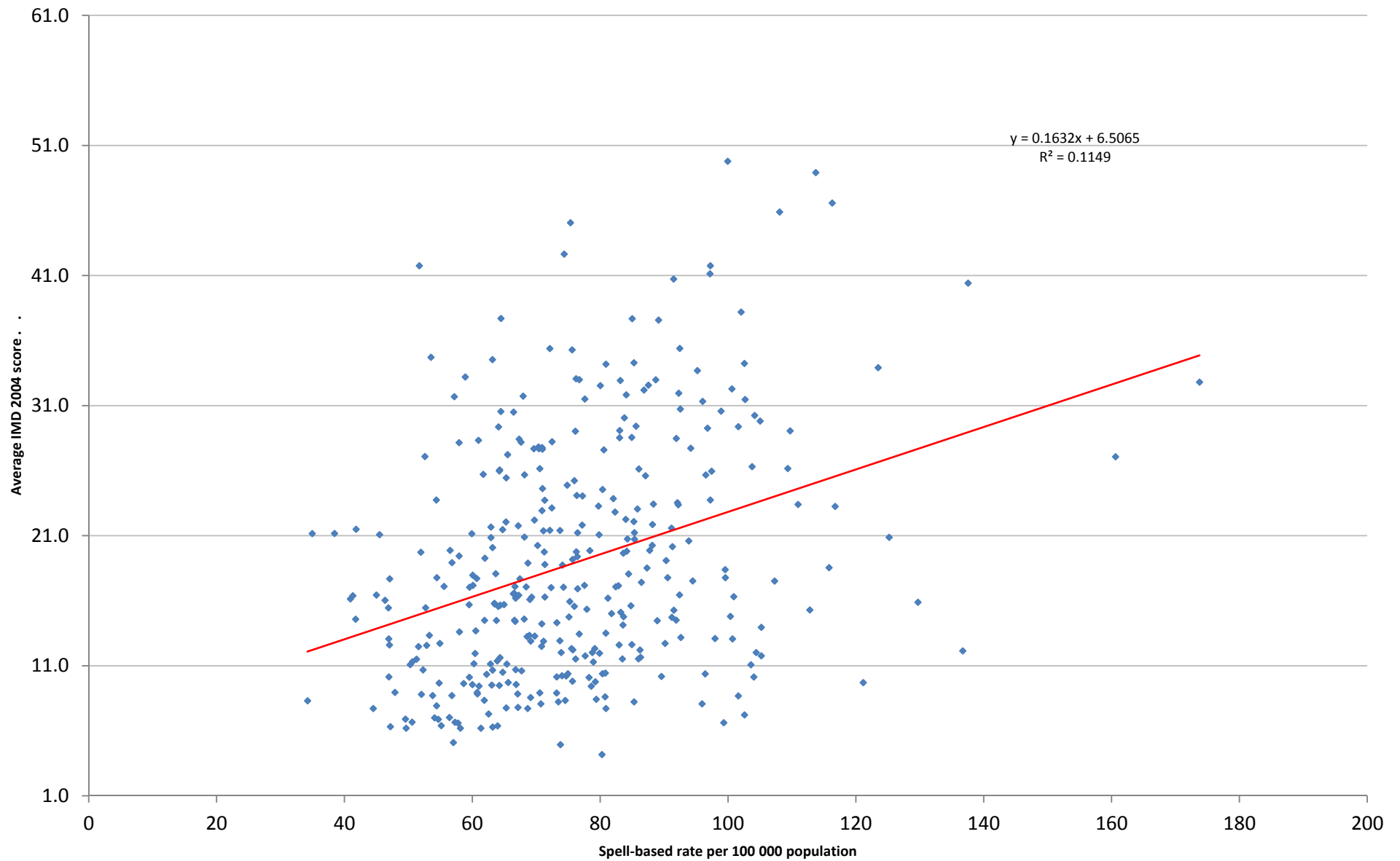
Coronary revascularisation : Person-based rate per 100 000 population for each Local Authority , Both Sexes



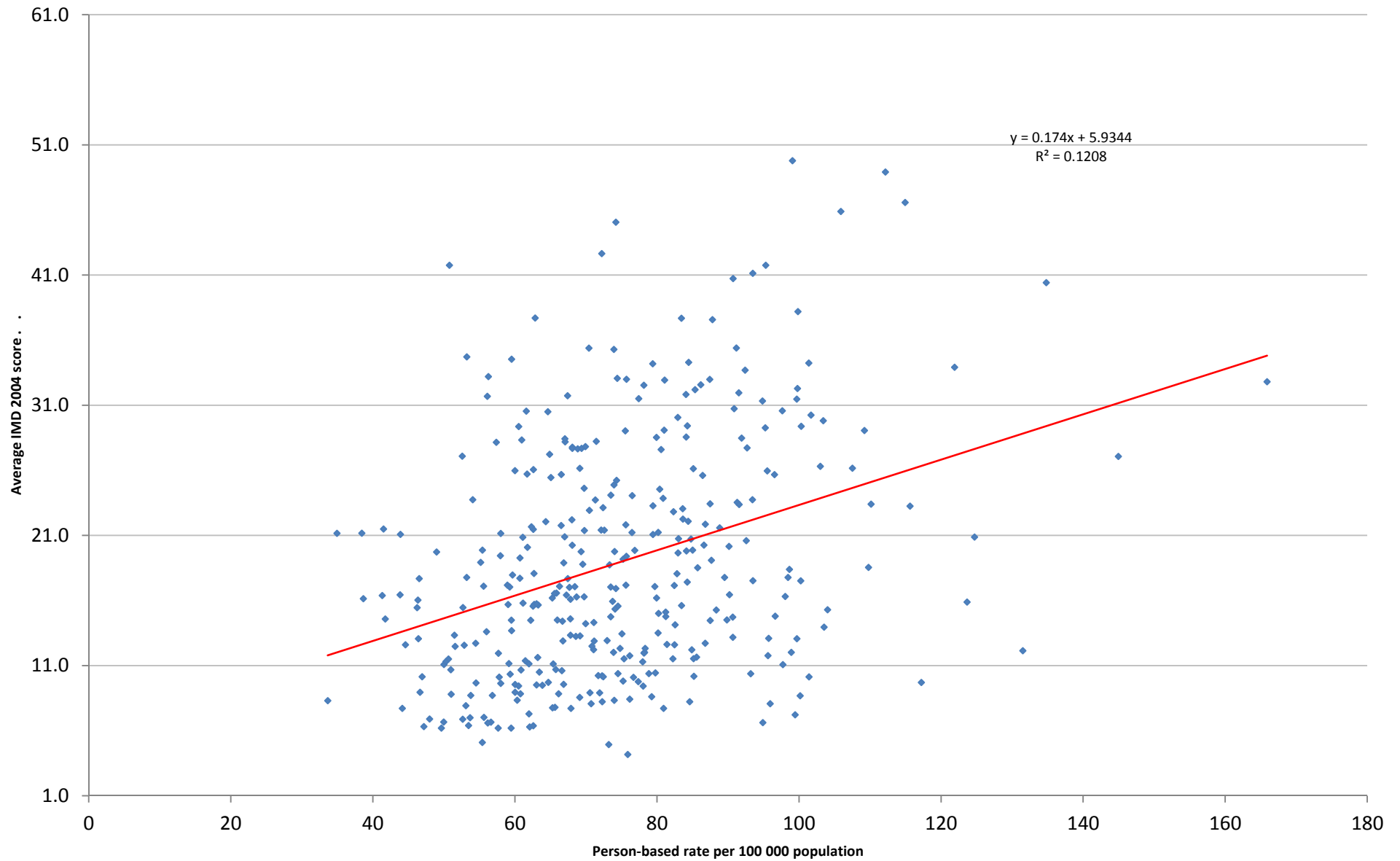
Coronary revascularisation : number of spells plotted against the person-based rate for each Local Authority , Both Sexes



Coronary revascularisation : average IMD score plotted against the spell-based rate for each Local Authority , Both Sexes



Coronary revascularisation : average IMD score plotted against the person-based rate for each Local Authority , Both Sexes



HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Both Sexes								
					CIPS				People				Ratio of spells to people
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84 77.91	79010	79010.00	75.93	75.41 76.47	1.0
45UB	Adur	17.0 Q19	J		109	116.58	72.34	59.40 87.26	102	114.45	67.67	55.18 82.15	1.1
16UB	Allerdale	22.9 Q13	B		165	180.02	70.92	60.51 82.60	164	176.69	70.48	60.11 82.13	1.0
35UB	Alnwick	16.1 Q09	A		36	68.04	40.93	28.67 56.67	34	66.79	38.66	26.77 54.02	1.1
17UB	Amber Valley	18.9 Q24	E		188	211.74	68.69	59.22 79.25	183	207.80	66.87	57.53 77.30	1.0
45UC	Arun	15.6 Q19	J		320	325.89	75.97	67.87 84.77	314	320.02	74.51	66.49 83.22	1.0
37UB	Ashfield	27.8 Q24	E		175	190.93	70.91	60.80 82.24	168	187.36	68.09	58.18 79.20	1.0
29UB	Ashford	13.4 Q18	J		184	185.54	76.73	66.04 88.65	180	182.09	75.06	64.50 86.87	1.0
11UB	Aylesbury Vale	8.3 Q16	J		116	262.22	34.23	28.28 41.05	114	257.28	33.65	27.75 40.42	1.0
42UB	Babergh	11.3 Q01	G		170	166.64	78.93	67.51 91.73	168	163.56	78.00	66.65 90.72	1.0
00AB	Barking and Dagenham	31.3 Q06	H		244	196.58	96.04	84.36 108.87	241	192.92	94.86	83.26 107.62	1.0
00AC	Barnet	16.1 Q05	H		408	457.43	69.01	62.47 76.04	401	448.92	67.83	61.35 74.80	1.0
00CC	Barnsley	33.0 Q23	D		367	370.00	76.74	69.09 85.01	362	363.10	75.71	68.11 83.92	1.0
16UC	Barrow-In-Furness	33.0 Q13	B		140	122.13	88.69	74.61 104.66	138	119.86	87.43	73.45 103.29	1.0
22UB	Basildon	20.7 Q03	G		290	262.79	85.38	75.83 95.79	288	257.91	84.79	75.28 95.17	1.0
24UB	Basingstoke and Deane	8.8 Q17	J		208	239.87	67.09	58.28 76.85	205	235.34	66.14	57.40 75.85	1.0
37UC	Bassetlaw	25.7 Q24	E		157	196.81	61.72	52.44 72.17	157	193.14	61.72	52.45 72.17	1.0
00HA	Bath and North East Somerset UA	12.2 Q20	K		278	284.02	75.73	67.09 85.17	261	278.82	71.08	62.72 80.25	1.1
09UD	Bedford	17.5 Q02	G		290	237.47	94.49	83.92 106.01	287	233.05	93.51	83.01 104.98	1.0
35UC	Berwick-upon-Tweed	21.2 Q09	A		27	59.75	34.96	23.04 50.87	27	58.66	34.95	23.03 50.86	1.0
00AD	Bexley	15.0 Q07	H		365	345.27	81.79	73.61 90.63	358	338.88	80.22	72.12 88.97	1.0
00CN	Birmingham	37.6 Q27	F		1475	1280.23	89.14	84.65 93.81	1453	1256.55	87.81	83.35 92.44	1.0
31UB	Blaby	8.7 Q25	E		210	159.90	101.61	88.33 116.33	207	156.93	100.16	86.98 114.78	1.0
00EX	Blackburn with Darwen UA	32.3 Q13	B		237	182.24	100.62	88.21 114.27	235	178.83	99.79	87.43 113.39	1.0
00EY	Blackpool UA	33.9 Q13	B		392	245.59	123.49	111.57 136.35	387	241.07	121.90	110.06 134.68	1.0
35UD	Blyth Valley	26.1 Q09	A		114	137.19	64.29	53.03 77.23	111	134.62	62.61	51.50 75.40	1.0
17UC	Bolsover	30.5 Q24	E		109	126.88	66.46	54.57 80.18	106	124.53	64.64	52.92 78.18	1.0
00BL	Bolton	29.4 Q14	B		446	403.07	85.61	77.85 93.94	439	395.55	84.28	76.58 92.54	1.0
32UB	Boston	21.9 Q24	E		129	113.18	88.19	73.63 104.79	127	111.10	86.80	72.36 103.28	1.0
00HN	Bournemouth UA	23.7 Q22	K		337	268.13	97.24	87.14 108.20	324	263.29	93.44	83.55 104.19	1.0
00MA	Bracknell Forest UA	8.6 Q16	J		156	149.41	80.78	68.60 94.50	153	146.58	79.26	67.20 92.86	1.0
00CX	Bradford	32.9 Q12	D		721	670.89	83.15	77.19 89.45	703	658.42	81.08	75.19 87.30	1.0
22UC	Braintree	13.2 Q03	G		204	230.17	68.57	59.48 78.66	204	225.87	68.58	59.49 78.67	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Both Sexes										
					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
33UB	Breckland	14.5	Q01	G	206	249.88	63.78	55.37	73.12	201	245.29	62.22	53.92	71.45	1.0
00AE	Brent	26.0	Q04	H	405	321.60	97.43	88.17	107.40	397	315.59	95.52	86.36	105.40	1.0
22UD	Brentwood	8.9	Q03	G	118	124.74	73.19	60.58	87.65	116	122.45	71.94	59.44	86.28	1.0
39UB	Bridgnorth	12.3	Q26	F	103	105.50	75.53	61.65	91.61	102	103.55	74.80	60.99	90.80	1.0
00ML	Brighton and Hove UA	25.7	Q19	J	293	332.56	68.17	60.58	76.44	286	326.42	66.53	59.04	74.71	1.0
00HB	Bristol, City of UA	27.7	Q20	K	635	521.73	94.17	86.98	101.78	625	512.06	92.68	85.56	100.24	1.0
33UC	Broadland	9.6	Q01	G	184	242.71	58.66	50.49	67.77	182	238.25	58.01	49.89	67.08	1.0
00AF	Bromley	13.2	Q07	H	576	481.16	92.62	85.21	100.50	564	472.27	90.68	83.35	98.49	1.0
47UB	Bromsgrove	10.1	Q28	F	103	169.75	46.95	38.32	56.94	103	166.61	46.94	38.32	56.93	1.0
26UB	Broxbourne	14.7	Q02	G	166	140.78	91.23	77.88	106.21	165	138.18	90.68	77.37	105.62	1.0
37UD	Broxtowe	16.0	Q24	E	111	185.29	46.35	38.13	55.82	111	181.86	46.35	38.13	55.81	1.0
30UD	Burnley	31.8	Q13	B	145	133.43	84.08	70.95	98.93	145	130.95	84.08	70.95	98.94	1.0
00BM	Bury	23.5	Q14	B	338	283.97	92.09	82.53	102.45	335	278.67	91.29	81.77	101.60	1.0
00CY	Calderdale	25.4	Q12	D	264	312.76	65.31	57.67	73.68	263	306.92	65.07	57.44	73.43	1.0
12UB	Cambridge	14.6	Q01	G	70	129.73	41.75	32.54	52.75	70	127.33	41.74	32.54	52.74	1.0
00AG	Camden	34.7	Q05	H	153	221.06	53.55	45.40	62.74	152	216.87	53.22	45.10	62.39	1.0
41UB	Cannock Chase	20.3	Q26	F	169	148.32	88.16	75.37	102.50	166	145.54	86.61	73.93	100.83	1.0
29UC	Canterbury	16.2	Q18	J	258	245.76	81.22	71.61	91.76	254	241.26	79.95	70.41	90.41	1.0
15UB	Caradon	18.4	Q21	K	217	168.63	99.56	86.75	113.73	215	165.50	98.64	85.90	112.75	1.0
16UD	Carlisle	22.2	Q13	B	164	181.98	69.73	59.46	81.25	160	178.62	68.02	57.89	79.41	1.0
15UC	Carrick	19.2	Q21	K	172	175.81	75.70	64.80	87.89	171	172.59	75.24	64.38	87.40	1.0
35UE	Castle Morpeth	15.8	Q09	A	82	99.96	63.47	50.48	78.78	79	98.11	61.14	48.40	76.20	1.0
22UE	Castle Point	12.7	Q03	G	123	173.27	54.92	45.65	65.53	122	170.07	54.47	45.23	65.04	1.0
31UC	Charnwood	12.1	Q25	E	445	251.81	136.73	124.32	150.04	428	247.14	131.51	119.34	144.57	1.0
22UF	Chelmsford	8.6	Q03	G	234	261.94	69.12	60.54	78.56	234	257.06	69.12	60.55	78.57	1.0
23UB	Cheltenham	14.4	Q20	K	152	176.29	66.71	56.52	78.20	152	173.06	66.69	56.51	78.18	1.0
38UB	Cherwell	11.2	Q16	J	162	208.02	60.25	51.33	70.28	159	204.12	59.15	50.31	69.09	1.0
13UB	Chester	17.0	Q15	B	196	204.21	74.26	64.23	85.42	194	200.45	73.49	63.51	84.59	1.0
17UD	Chesterfield	27.1	Q24	E	118	173.59	52.59	43.53	62.98	118	170.38	52.59	43.53	62.98	1.0
20UB	Chester-Le-Street	21.4	Q10	A	89	95.46	72.14	57.93	88.77	89	93.68	72.14	57.93	88.78	1.0
45UD	Chichester	10.7	Q19	J	200	231.71	66.78	57.85	76.71	197	227.50	65.75	56.89	75.61	1.0
11UC	Chiltern	6.2	Q16	J	120	159.70	58.14	48.20	69.52	119	156.74	57.65	47.76	68.99	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Both Sexes										
					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
30UE	Chorley	17.2	Q13	B	186	173.66	82.87	71.38	95.67	185	170.39	82.44	70.99	95.22	1.0
19UC	Christchurch	12.6	Q22	K	122	111.11	84.95	70.55	101.43	117	109.13	81.41	67.33	97.57	1.0
22UG	Colchester	14.6	Q03	G	228	258.99	68.11	59.56	77.55	227	254.18	67.82	59.28	77.24	1.0
13UC	Congleton	9.5	Q15	B	138	169.37	63.04	52.96	74.48	138	166.22	63.04	52.96	74.48	1.0
16UE	Copeland	25.7	Q13	B	157	125.83	96.54	82.02	112.87	157	123.49	96.54	82.03	112.88	1.0
34UB	Corby	27.1	Q25	E	174	83.81	160.63	137.65	186.36	157	82.24	144.97	123.17	169.50	1.1
23UC	Cotswold	8.8	Q20	K	129	164.17	60.79	50.76	72.24	129	161.16	60.78	50.75	72.22	1.0
00CQ	Coventry	28.2	Q28	F	319	425.99	57.94	51.75	64.66	316	418.12	57.39	51.24	64.08	1.0
36UB	Craven	11.9	Q11	D	88	112.66	60.43	48.47	74.46	84	110.59	57.68	46.01	71.41	1.0
45UE	Crawley	14.8	Q19	J	138	142.10	75.13	63.12	88.77	135	139.48	73.50	61.62	86.99	1.0
13UD	Crewe and Nantwich	17.1	Q15	B	169	196.09	66.68	57.01	77.53	168	192.45	66.29	56.64	77.11	1.0
00AH	Croydon	19.9	Q08	H	457	451.02	78.40	71.37	85.92	448	442.54	76.87	69.92	84.33	1.0
26UC	Dacorum	9.5	Q02	G	181	218.04	64.23	55.21	74.30	180	213.99	63.87	54.88	73.92	1.0
00EH	Darlington UA	24.6	Q10	A	173	166.51	80.39	68.85	93.30	173	163.42	80.39	68.85	93.30	1.0
29UD	Dartford	17.2	Q18	J	104	133.88	60.10	49.11	72.82	102	131.39	58.95	48.07	71.56	1.0
34UC	Daventry	10.2	Q25	E	123	127.43	74.68	62.07	89.11	119	125.02	72.28	59.87	86.49	1.0
00FK	Derby UA	27.7	Q24	E	317	352.19	69.64	62.18	77.74	310	345.70	68.09	60.72	76.11	1.0
17UF	Derbyshire Dales	12.5	Q24	E	95	142.50	51.58	41.73	63.06	95	139.86	51.58	41.73	63.05	1.0
20UD	Derwentside	28.2	Q10	A	143	152.66	72.47	61.08	85.37	141	149.83	71.46	60.15	84.28	1.0
00CE	Doncaster	31.5	Q23	D	482	480.57	77.60	70.83	84.85	481	471.66	77.44	70.67	84.68	1.0
29UE	Dover	18.7	Q18	J	192	200.46	74.10	63.99	85.36	190	196.77	73.32	63.27	84.52	1.0
00CR	Dudley	22.1	Q27	F	581	527.14	85.27	78.48	92.50	575	517.40	84.39	77.63	91.58	1.0
20UE	Durham	18.5	Q10	A	161	142.62	87.34	74.37	101.92	158	139.96	85.72	72.87	100.18	1.0
00AJ	Ealing	23.4	Q04	H	519	361.90	110.96	101.61	120.93	515	355.06	110.14	100.83	120.08	1.0
20UF	Easington	41.8	Q10	A	203	161.51	97.25	84.33	111.58	199	158.52	95.32	82.54	109.53	1.0
12UC	East Cambridgeshire	10.6	Q01	G	123	140.54	67.71	56.27	80.79	121	137.94	66.61	55.27	79.59	1.0
18UB	East Devon	12.7	Q21	K	353	302.95	90.15	80.99	100.07	340	297.49	86.79	77.81	96.52	1.0
19UD	East Dorset	8.2	Q22	K	193	203.25	73.47	63.47	84.60	190	199.58	72.29	62.38	83.33	1.0
24UC	East Hampshire	8.1	Q17	J	181	198.00	70.73	60.80	81.82	181	194.32	70.73	60.80	81.82	1.0
26UD	East Hertfordshire	6.3	Q02	G	169	206.92	63.19	54.02	73.47	166	203.05	62.08	52.99	72.28	1.0
32UC	East Lindsey	24.6	Q24	E	289	314.99	70.99	63.04	79.66	284	309.21	69.74	61.87	78.35	1.0
34UD	East Northamptonshire	11.8	Q25	E	186	136.77	105.22	90.64	121.48	169	134.20	95.62	81.75	111.18	1.1

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Both Sexes										
					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
00FB	East Riding of Yorkshire UA	15.3 Q11	D		655	650.46	77.91	72.06	84.11	623	638.43	74.10	68.39	80.15	1.1
41UC	East Staffordshire	18.5 Q26	F		269	179.71	115.81	102.38	130.51	255	176.37	109.79	96.73	124.13	1.1
21UC	Eastbourne	21.5 Q19	J		153	182.86	64.73	54.88	75.84	148	179.58	62.58	52.90	73.51	1.0
24UD	Eastleigh	8.9 Q17	J		177	194.09	70.56	60.54	81.75	177	190.48	70.56	60.55	81.76	1.0
16UF	Eden	15.7 Q13	B		87	103.61	64.97	52.03	80.14	84	101.69	62.72	50.03	77.66	1.0
13UE	Ellesmere Port and Neston	19.8 Q15	B		154	141.59	84.15	71.38	98.54	154	138.97	84.15	71.38	98.54	1.0
43UB	Elmbridge	7.0 Q19	J		145	198.83	56.42	47.61	66.39	143	195.14	55.65	46.90	65.55	1.0
00AK	Enfield	23.1 Q05	H		422	380.34	85.84	77.85	94.44	411	373.23	83.62	75.73	92.11	1.0
22UH	Epping Forest	13.3 Q03	G		184	206.47	68.95	59.34	79.66	181	202.65	67.82	58.30	78.46	1.0
43UC	Epsom and Ewell	6.9 Q19	J		81	114.61	54.68	43.42	67.97	78	112.48	52.66	41.62	65.72	1.0
17UG	Erewash	19.3 Q24	E		148	184.76	61.98	52.39	72.81	145	181.33	60.72	51.24	71.45	1.0
18UC	Exeter	21.6 Q21	K		197	167.20	91.16	78.87	104.81	192	164.14	88.82	76.70	102.32	1.0
24UE	Fareham	7.8 Q17	J		179	206.24	67.15	57.67	77.74	175	202.45	65.64	56.27	76.12	1.0
12UD	Fenland	19.8 Q01	G		171	173.45	76.28	65.27	88.61	166	170.26	74.04	63.20	86.20	1.0
42UC	Forest Heath	11.1 Q01	G		73	89.87	62.85	49.26	79.02	72	88.20	61.99	48.50	78.06	1.0
23UD	Forest of Dean	15.9 Q20	K		150	154.20	75.26	63.70	88.31	147	151.34	73.76	62.31	86.69	1.0
30UF	Fylde	13.1 Q13	B		207	159.04	100.70	87.45	115.40	205	156.14	99.70	86.51	114.32	1.0
00CH	Gateshead	33.2 Q09	A		245	321.76	58.91	51.76	66.77	234	315.83	56.26	49.28	63.95	1.0
37UE	Gedling	16.4 Q24	E		115	197.68	45.01	37.16	54.03	112	194.03	43.83	36.09	52.74	1.0
23UE	Gloucester	19.9 Q20	K		193	170.18	87.75	75.80	101.04	187	167.02	85.02	73.27	98.12	1.0
24UF	Gosport	16.3 Q17	J		117	130.65	69.29	57.30	83.04	116	128.24	68.69	56.76	82.38	1.0
29UG	Gravesham	18.1 Q18	J		129	156.75	63.67	53.16	75.66	127	153.84	62.69	52.26	74.59	1.0
33UD	Great Yarmouth	27.7 Q01	G		168	183.16	70.97	60.64	82.55	163	179.79	68.84	58.68	80.26	1.0
00AL	Greenwich	31.5 Q07	H		341	256.97	102.67	92.06	114.17	331	252.15	99.68	89.23	111.02	1.0
43UD	Guildford	8.3 Q19	J		159	198.83	61.87	52.63	72.27	155	195.14	60.31	51.19	70.59	1.0
00AM	Hackney	45.1 Q06	H		190	195.05	75.37	65.03	86.88	187	191.33	74.22	63.96	85.65	1.0
00ET	Halton UA	34.3 Q15	B		198	179.61	85.29	73.82	98.04	196	176.23	84.46	73.04	97.14	1.0
36UC	Hambleton	10.4 Q11	D		166	171.34	74.96	63.99	87.27	165	168.17	74.50	63.57	86.78	1.0
00AN	Hammersmith and Fulham	27.8 Q04	H		159	174.85	70.36	59.84	82.18	158	171.56	69.93	59.45	81.73	1.0
31UD	Harborough	7.2 Q25	E		196	147.83	102.58	88.72	117.99	190	145.07	99.45	85.81	114.64	1.0
00AP	Haringey	37.7 Q05	H		192	230.34	64.49	55.69	74.29	187	225.95	62.85	54.16	72.53	1.0
22UJ	Harlow	21.4 Q03	G		105	114.20	71.14	58.18	86.12	103	112.09	69.78	56.95	84.63	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Both Sexes										
					CIPS				People						
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
36UD	Harrogate	11.1 Q11	D		181	278.42	50.30	43.24	58.18	180	273.28	50.02	42.98	57.88	1.0
00AQ	Harrow	13.5 Q04	H		327	312.78	80.89	72.36	90.15	324	306.94	80.16	71.66	89.38	1.0
24UG	Hart	4.2 Q17	J		145	139.72	80.29	67.75	94.48	137	137.09	75.88	63.71	89.71	1.1
00EB	Hartlepool UA	37.7 Q10	A		162	147.44	85.01	72.42	99.16	159	144.70	83.44	70.97	97.46	1.0
21UD	Hastings	31.7 Q19	J		126	143.47	67.95	56.60	80.90	125	140.81	67.41	56.11	80.32	1.0
24UH	Havant	20.1 Q17	J		183	224.14	63.17	54.35	73.01	179	220.05	61.77	53.05	71.51	1.0
00AR	Havering	14.8 Q06	H		416	384.69	83.67	75.82	92.11	404	377.62	81.24	73.51	89.56	1.0
00GA	Herefordshire, County of UA	15.7 Q28	F		295	354.51	64.38	57.24	72.16	290	347.99	63.28	56.21	71.00	1.0
26UE	Hertsmere	12.0 Q02	G		153	150.28	78.77	66.78	92.29	152	147.50	78.25	66.31	91.73	1.0
17UH	High Peak	15.1 Q24	E		165	153.38	83.23	71.02	96.95	161	150.51	81.23	69.16	94.79	1.0
00AS	Hillingdon	17.7 Q04	H		297	340.71	67.44	59.99	75.57	297	334.35	67.45	60.00	75.58	1.0
31UE	Hinckley and Bosworth	11.1 Q25	E		247	184.47	103.59	91.08	117.35	233	181.03	97.73	85.58	111.12	1.1
45UF	Horsham	6.7 Q19	J		170	229.51	57.31	49.02	66.60	168	225.26	56.63	48.39	65.87	1.0
00AT	Hounslow	23.3 Q04	H		393	260.39	116.77	105.51	128.91	389	255.45	115.63	104.43	127.71	1.0
12UE	Huntingdonshire	10.2 Q01	G		304	262.50	89.60	79.81	100.26	289	257.56	85.20	75.66	95.62	1.1
30UG	Hyndburn	28.5 Q13	B		133	123.90	83.05	69.54	98.42	128	121.59	79.94	66.69	95.04	1.0
42UD	Ipswich	23.4 Q01	G		209	183.04	88.34	76.77	101.17	207	179.67	87.49	75.97	100.25	1.0
00MW	Isle of Wight UA	21.1 Q17	J		170	289.07	45.50	38.92	52.88	164	283.78	43.88	37.42	51.14	1.0
00AU	Islington	42.7 Q05	H		171	177.88	74.38	63.64	86.40	166	174.50	72.23	61.66	84.10	1.0
46UB	Kennet	10.1 Q20	K		102	132.55	59.54	48.55	72.28	99	130.08	57.79	46.97	70.36	1.0
00AW	Kensington and Chelsea	21.5 Q04	H		124	229.33	41.83	34.79	49.88	123	225.04	41.50	34.49	49.52	1.0
15UD	Kerrier	25.2 Q21	K		185	188.44	75.96	65.41	87.73	181	184.96	74.31	63.88	85.96	1.0
34UE	Kettering	15.3 Q25	E		205	140.60	112.81	97.90	129.36	189	137.97	104.02	89.72	119.96	1.1
33UE	Kings Lynn and West Norfolk	19.1 Q01	G		342	292.93	90.33	81.01	100.43	332	287.58	87.66	78.49	97.62	1.0
00FA	Kingston upon Hull, City of UA	41.1 Q11	D		447	355.87	97.18	88.38	106.62	430	349.27	93.49	84.86	102.76	1.0
00AX	Kingston upon Thames	11.6 Q08	H		167	200.80	64.35	54.96	74.88	164	197.02	63.21	53.90	73.66	1.0
00CZ	Kirklees	26.2 Q12	D		543	595.38	70.56	64.75	76.76	532	584.25	69.14	63.39	75.28	1.0
00BX	Knowsley	46.6 Q15	B		341	226.85	116.30	104.28	129.32	337	222.65	114.94	102.99	127.89	1.0
00AY	Lambeth	34.2 Q07	H		260	248.61	80.91	71.38	91.37	255	243.86	79.40	69.96	89.77	1.0
30UH	Lancaster	22.3 Q13	B		248	228.38	84.02	73.88	95.15	247	224.18	83.66	73.55	94.78	1.0
00DA	Leeds	27.7 Q12	D		961	1055.97	70.41	66.03	75.01	947	1036.42	69.38	65.03	73.95	1.0
00FN	Leicester UA	32.8 Q25	E		793	353.09	173.76	161.88	186.29	757	346.50	165.89	154.29	178.15	1.0

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					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
21UF	Lewes	12.9	Q19	J	176	196.94	69.15	59.31	80.15	170	193.36	66.76	57.10	77.59	1.0
00AZ	Lewisham	28.6	Q07	H	295	268.71	84.94	75.52	95.21	292	263.58	84.12	74.75	94.35	1.0
41UD	Lichfield	12.0	Q26	F	246	182.29	104.41	91.77	118.31	233	178.88	98.91	86.61	112.46	1.1
32UD	Lincoln	27.2	Q24	E	104	122.80	65.52	53.54	79.39	103	120.54	64.89	52.96	78.69	1.0
00BY	Liverpool	49.8	Q15	B	799	618.42	99.96	93.15	107.14	792	606.96	99.08	92.30	106.23	1.0
00KA	Luton UA	23.3	Q02	G	246	238.66	79.75	70.09	90.36	245	234.20	79.44	69.80	90.03	1.0
13UG	Macclesfield	11.1	Q15	B	238	281.56	65.40	57.35	74.26	238	276.37	65.39	57.35	74.25	1.0
29UH	Maidstone	11.5	Q18	J	163	245.96	51.27	43.70	59.78	161	241.38	50.65	43.13	59.11	1.0
22UK	Maldon	10.7	Q03	G	78	115.37	52.31	41.34	65.28	76	113.21	50.97	40.16	63.80	1.0
47UC	Malvern Hills	13.1	Q28	F	94	154.97	46.93	37.92	57.43	93	152.13	46.42	37.47	56.87	1.0
00BN	Manchester	48.9	Q14	B	717	487.71	113.74	105.57	122.38	707	478.63	112.17	104.05	120.75	1.0
37UF	Mansfield	32.5	Q24	E	171	165.32	80.03	68.48	92.97	167	162.25	78.16	66.75	90.95	1.0
00LC	Medway UA	18.0	Q18	J	283	364.46	60.08	53.28	67.50	281	357.60	59.67	52.90	67.07	1.0
31UG	Melton	10.1	Q25	E	118	87.75	104.04	86.11	124.59	115	86.12	101.40	83.72	121.72	1.0
40UB	Mendip	14.5	Q22	K	155	193.71	61.91	52.54	72.46	149	190.13	59.51	50.34	69.87	1.0
00BA	Merton	14.5	Q08	H	207	240.46	66.60	57.84	76.32	205	235.95	65.98	57.25	75.65	1.0
09UC	Mid Bedfordshire	7.7	Q02	G	214	204.64	80.91	70.43	92.51	214	200.77	80.94	70.46	92.54	1.0
18UD	Mid Devon	17.1	Q21	K	151	141.71	82.44	69.81	96.69	146	139.09	79.71	67.30	93.74	1.0
42UE	Mid Suffolk	9.8	Q01	G	173	176.89	75.67	64.81	87.82	172	173.61	75.23	64.41	87.35	1.0
45UG	Mid Sussex	6.4	Q19	J	186	224.98	63.97	55.10	73.85	182	220.81	62.59	53.83	72.37	1.0
00EC	Middlesbrough UA	40.7	Q10	A	240	202.96	91.49	80.28	103.83	238	199.20	90.72	79.56	103.01	1.0
00MG	Milton Keynes UA	15.6	Q16	J	246	297.04	64.08	56.32	72.60	240	291.36	62.55	54.89	70.98	1.0
43UE	Mole Valley	6.2	Q19	J	100	155.83	49.65	40.40	60.39	100	152.96	49.64	40.39	60.38	1.0
24UJ	New Forest	10.4	Q17	J	384	369.72	80.36	72.52	88.81	377	363.01	78.86	71.10	87.24	1.0
37UG	Newark and Sherwood	19.8	Q24	E	185	200.88	71.25	61.35	82.29	180	197.15	69.33	59.57	80.23	1.0
00CJ	Newcastle upon Tyne	34.5	Q09	A	314	384.62	63.16	56.37	70.55	296	377.55	59.53	52.94	66.72	1.1
41UE	Newcastle-under-Lyme	19.9	Q26	F	154	210.77	56.53	47.95	66.20	151	206.88	55.42	46.94	65.00	1.0
00BB	Newham	40.4	Q06	H	388	218.22	137.56	124.21	151.96	380	214.05	134.80	121.59	149.06	1.0
15UE	North Cornwall	22.8	Q21	K	187	175.71	82.34	70.96	95.03	187	172.48	82.33	70.95	95.01	1.0
18UE	North Devon	20.6	Q21	K	219	180.51	93.87	81.85	107.16	216	177.19	92.57	80.63	105.77	1.0
19UE	North Dorset	11.4	Q22	K	106	128.35	63.90	52.31	77.28	102	126.00	61.47	50.12	74.62	1.0
17UJ	North East Derbyshire	18.9	Q24	E	139	189.27	56.82	47.77	67.09	135	185.76	55.18	46.27	65.32	1.0

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					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
00FC	North East Lincolnshire UA	29.4 Q11	D		216	260.70	64.10	55.84	73.25	204	255.88	60.54	52.52	69.44	1.1
26UF	North Hertfordshire	10.1 Q02	G		188	198.67	73.22	63.12	84.46	186	194.98	72.44	62.40	83.63	1.0
32UE	North Kesteven	11.5 Q24	E		194	197.07	76.16	65.82	87.67	192	193.43	75.37	65.09	86.82	1.0
00FD	North Lincolnshire UA	21.2 Q11	D		312	282.78	85.37	76.15	95.38	293	277.52	80.17	71.25	89.89	1.1
33UF	North Norfolk	16.9 Q01	G		241	243.83	76.47	67.12	86.76	234	239.42	74.22	65.01	84.36	1.0
39UC	North Shropshire	16.6 Q26	F		96	111.60	66.55	53.91	81.27	95	109.54	65.85	53.28	80.50	1.0
00HC	North Somerset UA	14.1 Q20	K		415	384.19	83.58	75.73	92.02	410	377.11	82.56	74.76	90.95	1.0
00CK	North Tyneside	26.0 Q09	A		274	330.02	64.24	56.85	72.31	256	323.92	60.01	52.88	67.83	1.1
44UB	North Warwickshire	16.4 Q28	F		58	108.62	41.31	31.37	53.41	58	106.58	41.32	31.38	53.42	1.0
31UH	North West Leicestershire	15.9 Q25	E		256	152.69	129.72	114.31	146.62	244	149.83	123.66	108.63	140.19	1.0
46UC	North Wiltshire	8.4 Q20	K		221	215.37	79.39	69.27	90.58	212	211.34	76.17	66.26	87.15	1.0
34UF	Northampton	20.2 Q25	E		260	286.46	70.22	61.95	79.30	252	281.11	68.07	59.93	77.02	1.0
33UG	Norwich	28.3 Q01	G		140	177.65	60.97	51.29	71.95	140	174.39	60.96	51.28	71.93	1.0
00FY	Nottingham UA	41.8 Q24	E		221	330.61	51.72	45.12	59.01	217	324.50	50.78	44.25	58.00	1.0
44UC	Nuneaton and Bedworth	21.2 Q28	F		99	199.20	38.45	31.25	46.81	99	195.49	38.46	31.25	46.82	1.0
31UJ	Oadby and Wigston	9.7 Q25	E		155	98.98	121.16	102.84	141.81	150	97.17	117.22	99.21	137.55	1.0
00BP	Oldham	30.7 Q14	B		383	320.19	92.55	83.51	102.30	376	314.20	90.87	81.92	100.54	1.0
39UD	Oswestry	17.1 Q26	F		52	72.38	55.59	41.51	72.90	52	71.04	55.59	41.51	72.89	1.0
38UC	Oxford	19.7 Q16	J		105	156.39	51.95	42.49	62.89	99	153.50	48.97	39.80	59.63	1.1
30UJ	Pendle	27.6 Q13	B		146	140.18	80.58	68.04	94.77	146	137.57	80.59	68.05	94.77	1.0
15UF	Penwith	29.0 Q21	K		135	137.22	76.12	63.82	90.10	134	134.70	75.54	63.29	89.47	1.0
00JA	Peterborough UA	23.4 Q01	G		281	235.73	92.23	81.76	103.67	279	231.34	91.58	81.15	102.98	1.0
00HG	Plymouth UA	26.2 Q21	K		538	380.62	109.36	100.31	119.00	529	373.59	107.52	98.55	117.09	1.0
00HP	Poole UA	14.3 Q22	K		246	259.92	73.23	64.36	82.97	239	255.19	71.12	62.39	80.73	1.0
00MR	Portsmouth UA	24.9 Q17	J		250	258.41	74.85	65.86	84.73	247	253.62	73.95	65.02	83.77	1.0
30UK	Preston	28.5 Q13	B		220	185.19	91.91	80.17	104.89	220	181.76	91.91	80.17	104.90	1.0
19UG	Purbeck	12.6 Q22	K		58	95.39	47.04	35.72	60.81	55	93.65	44.59	33.59	58.05	1.1
00MC	Reading UA	18.8 Q16	J		159	172.41	71.35	60.69	83.35	155	169.21	69.56	59.04	81.41	1.0
00BC	Redbridge	17.8 Q06	H		428	332.49	99.59	90.38	109.49	423	326.27	98.45	89.29	108.29	1.0
00EE	Redcar and Cleveland UA	30.6 Q10	A		313	244.81	98.92	88.26	110.51	309	240.28	97.65	87.07	109.17	1.0
47UD	Redditch	19.4 Q28	F		89	118.86	57.93	46.52	71.29	89	116.62	57.95	46.54	71.32	1.0
43UF	Reigate and Banstead	9.0 Q19	J		165	210.12	60.76	51.84	70.77	163	206.21	60.02	51.16	69.98	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Both Sexes										
					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
15UG	Restormel	23.9	Q21	K	205	193.27	82.07	71.22	94.10	202	189.70	80.86	70.09	92.81	1.0
30UL	Ribble Valley	10.3	Q13	B	86	106.91	62.24	49.78	76.86	82	104.92	59.34	47.20	73.66	1.0
00BD	Richmond upon Thames	9.7	Q08	H	175	246.96	54.83	47.00	63.58	174	242.29	54.53	46.73	63.27	1.0
36UE	Richmondshire	12.5	Q11	D	77	84.10	70.84	55.90	88.54	77	82.53	70.84	55.91	88.55	1.0
00BQ	Rochdale	33.7	Q14	B	371	301.45	95.22	85.78	105.42	360	295.82	92.41	83.11	102.47	1.0
22UL	Rochford	8.7	Q03	G	105	151.00	53.80	44.00	65.13	105	148.22	53.79	44.00	65.12	1.0
30UM	Rossendale	24.1	Q13	B	103	103.17	77.24	63.05	93.68	102	101.23	76.51	62.39	92.88	1.0
21UG	Rother	16.2	Q19	J	181	209.70	66.78	57.41	77.25	177	205.92	65.27	56.01	75.63	1.0
00CF	Rotherham	28.2	Q23	D	362	414.14	67.63	60.84	74.97	359	406.42	67.07	60.31	74.39	1.0
44UD	Rugby	13.6	Q28	F	116	154.74	58.00	47.92	69.57	112	151.86	56.00	46.11	67.39	1.0
43UG	Runnymede	7.8	Q19	J	107	126.77	65.30	53.51	78.91	107	124.43	65.30	53.51	78.91	1.0
37UJ	Rushcliffe	9.0	Q24	E	115	185.75	47.90	39.55	57.50	112	182.31	46.65	38.41	56.13	1.0
24UL	Rushmoor	10.4	Q17	J	148	118.73	96.44	81.53	113.29	143	116.51	93.20	78.55	109.79	1.0
00FP	Rutland UA	6.6	Q25	E	90	70.10	99.34	79.88	122.10	86	68.80	94.91	75.92	117.22	1.0
36UF	Ryedale	12.9	Q11	D	103	108.13	73.70	60.15	89.38	102	106.14	72.98	59.50	88.59	1.0
00BR	Salford	38.2	Q14	B	418	316.90	102.05	92.50	112.32	409	311.03	99.85	90.41	110.02	1.0
46UD	Salisbury	11.8	Q20	K	210	209.19	77.67	67.52	88.92	206	205.35	76.18	66.13	87.32	1.0
00CS	Sandwell	35.4	Q27	F	513	429.30	92.45	84.63	100.81	506	421.37	91.19	83.41	99.49	1.0
36UG	Scarborough	24.1	Q11	D	217	219.91	76.35	66.53	87.21	209	215.88	73.52	63.89	84.19	1.0
20UG	Sedgefield	29.1	Q10	A	215	151.60	109.72	95.55	125.41	214	148.79	109.22	95.07	124.87	1.0
40UC	Sedgemoor	17.4	Q22	K	238	212.98	86.46	75.82	98.17	232	209.05	84.27	73.77	95.84	1.0
00CA	Sefton	26.1	Q15	B	566	508.90	86.05	79.11	93.44	560	499.57	85.12	78.21	92.47	1.0
36UH	Selby	13.1	Q11	D	172	135.83	97.97	83.88	113.76	168	133.28	95.72	81.79	111.34	1.0
29UK	Sevenoaks	9.6	Q18	J	171	197.86	66.87	57.22	77.67	171	194.20	66.86	57.22	77.67	1.0
00CG	Sheffield	28.4	Q23	D	686	788.17	67.34	62.39	72.57	683	773.62	67.04	62.11	72.26	1.0
29UL	Shepway	20.8	Q18	J	209	191.90	84.27	73.23	96.50	206	188.38	83.04	72.09	95.19	1.0
39UE	Shrewsbury and Atcham	15.7	Q26	F	133	172.94	59.50	49.82	70.52	132	169.75	59.05	49.40	70.02	1.0
00MD	Slough UA	20.9	Q16	J	233	143.97	125.21	109.65	142.36	232	141.26	124.71	109.18	141.83	1.0
00CT	Solihull	16.4	Q27	F	421	352.44	92.42	83.80	101.69	411	345.94	90.22	81.70	99.37	1.0
09UE	South Bedfordshire	12.3	Q02	G	189	184.72	79.16	68.28	91.29	187	181.27	78.34	67.51	90.41	1.0
11UE	South Bucks	8.1	Q16	J	143	115.31	95.95	80.86	113.02	143	113.18	95.94	80.86	113.02	1.0
12UG	South Cambridgeshire	6.4	Q01	G	165	231.51	55.14	47.05	64.23	160	227.18	53.48	45.51	62.44	1.0

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Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
17UK	South Derbyshire	14.8 Q24	E		187	144.15	100.37	86.50	115.83	180	141.43	96.64	83.04	111.84	1.0
00HD	South Gloucestershire UA	9.8 Q20	K		423	413.00	79.24	71.87	87.17	413	405.31	77.38	70.09	85.21	1.0
18UG	South Hams	14.2 Q21	K		157	171.38	70.88	60.22	82.87	155	168.23	69.97	59.38	81.89	1.0
32UF	South Holland	15.3 Q24	E		203	171.60	91.53	79.37	105.02	196	168.46	88.35	76.41	101.62	1.0
32UG	South Kesteven	12.2 Q24	E		261	234.18	86.23	76.08	97.35	257	229.84	84.91	74.84	95.95	1.0
16UG	South Lakeland	12.0 Q13	B		209	218.79	73.91	64.22	84.63	209	214.78	73.89	64.21	84.62	1.0
33UH	South Norfolk	10.7 Q01	G		191	233.89	63.18	54.54	72.81	184	229.57	60.86	52.38	70.32	1.0
34UG	South Northamptonshire	6.6 Q25	E		107	143.28	57.78	47.35	69.82	104	140.58	56.18	45.90	68.07	1.0
38UD	South Oxfordshire	7.7 Q16	J		125	217.33	44.50	37.04	53.02	124	213.28	44.15	36.72	52.64	1.0
30UN	South Ribble	14.0 Q13	B		249	183.11	105.21	92.55	119.12	245	179.70	103.53	90.97	117.34	1.0
39UF	South Shropshire	15.5 Q26	F		66	96.90	52.70	40.76	67.05	66	95.12	52.69	40.75	67.03	1.0
40UD	South Somerset	13.7 Q22	K		240	306.64	60.56	53.14	68.72	236	301.02	59.53	52.18	67.63	1.0
41UF	South Staffordshire	11.7 Q26	F		228	204.34	86.33	75.48	98.29	226	200.55	85.57	74.78	97.49	1.0
00CL	South Tyneside	33.1 Q09	A		252	255.76	76.23	67.11	86.25	246	251.05	74.41	65.40	84.31	1.0
00MS	Southampton UA	23.7 Q17	J		265	287.42	71.33	63.00	80.46	265	282.11	71.33	63.00	80.46	1.0
00KF	Southend-On-Sea UA	21.7 Q03	G		218	268.09	62.91	54.84	71.84	216	263.17	62.32	54.29	71.21	1.0
00BE	Southwark	35.4 Q07	H		248	266.01	72.13	63.43	81.69	242	260.95	70.42	61.83	79.88	1.0
43UH	Spelthorne	10.4 Q19	J		159	152.22	80.81	68.74	94.40	157	149.42	79.79	67.80	93.29	1.0
26UG	St. Albans	7.7 Q02	G		176	198.32	68.66	58.89	79.59	174	194.63	67.89	58.17	78.76	1.0
42UF	St. Edmundsbury	11.5 Q01	G		203	182.63	86.00	74.58	98.68	201	179.24	85.15	73.79	97.77	1.0
00BZ	St. Helens	32.0 Q15	B		353	295.91	92.30	82.92	102.45	350	290.39	91.52	82.18	101.63	1.0
41UG	Stafford	12.9 Q26	F		209	227.27	71.15	61.83	81.48	209	223.05	71.15	61.83	81.48	1.0
41UH	Staffordshire Moorlands	16.5 Q26	F		159	185.22	66.42	56.50	77.58	157	181.78	65.58	55.73	76.68	1.0
26UH	Stevenage	15.6 Q02	G		125	114.03	84.81	70.59	101.05	123	111.92	83.46	69.36	99.58	1.0
00BS	Stockport	18.1 Q14	B		519	475.44	84.46	77.35	92.05	509	466.64	82.83	75.79	90.35	1.0
00EF	Stockton-On-Tees UA	26.3 Q10	A		395	294.51	103.77	93.79	114.52	392	289.01	102.99	93.05	113.71	1.0
00GL	Stoke-On-Trent UA	35.3 Q26	F		361	369.39	75.61	68.01	83.83	353	362.53	73.94	66.42	82.07	1.0
44UE	Stratford-On-Avon	8.8 Q28	F		156	231.95	52.04	44.19	60.87	153	227.65	51.03	43.27	59.79	1.0
23UF	Stroud	10.2 Q20	K		193	201.69	74.04	63.96	85.25	187	197.95	71.74	61.82	82.79	1.0
42UG	Suffolk Coastal	11.5 Q01	G		272	252.08	83.48	73.86	94.02	268	247.46	82.24	72.68	92.70	1.0
00CM	Sunderland	34.2 Q09	A		603	454.87	102.57	94.54	111.09	596	446.42	101.38	93.40	109.85	1.0
43UJ	Surrey Heath	4.9 Q19	J		126	132.12	73.79	61.47	87.85	125	129.65	73.21	60.94	87.23	1.0

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Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
00BF	Sutton	13.3 Q08	H		236	261.75	69.76	61.14	79.25	234	256.86	69.18	60.60	78.63	1.0
29UM	Swale	20.9 Q18	J		173	212.76	62.91	53.89	73.02	168	208.78	61.10	52.21	71.07	1.0
00HX	Swindon UA	17.2 Q20	K		281	280.35	77.55	68.74	87.17	274	275.11	75.63	66.94	85.14	1.0
00BT	Tameside	29.8 Q14	B		448	330.00	105.04	95.53	115.23	441	323.83	103.41	93.98	113.53	1.0
41UK	Tamworth	19.7 Q26	F		121	111.94	83.63	69.39	99.93	120	109.82	82.97	68.79	99.21	1.0
43UK	Tandridge	8.3 Q19	J		137	142.21	74.54	62.58	88.12	136	139.57	73.99	62.08	87.52	1.0
40UE	Taunton Deane	16.3 Q22	K		181	196.30	71.34	61.33	82.53	177	192.70	69.75	59.85	80.81	1.0
20UH	Teesdale	16.4 Q10	A		43	49.47	67.25	48.67	90.59	43	48.55	67.25	48.67	90.59	1.0
18UH	Teignbridge	17.0 Q21	K		198	257.10	59.59	51.57	68.49	197	252.40	59.27	51.28	68.15	1.0
00GF	Telford and Wrekin UA	21.8 Q26	F		242	242.57	77.19	67.77	87.55	237	238.00	75.62	66.30	85.88	1.0
22UN	Tendring	23.1 Q03	G		308	328.97	72.44	64.57	81.00	308	323.03	72.40	64.54	80.96	1.0
24UN	Test Valley	8.7 Q17	J		142	193.38	56.81	47.85	66.96	142	189.78	56.82	47.86	66.97	1.0
23UG	Tewkesbury	10.1 Q20	K		150	148.27	78.27	66.24	91.85	147	145.53	76.70	64.80	90.15	1.0
29UN	Thanet	25.6 Q18	J		275	244.32	87.09	77.10	98.01	273	239.86	86.43	76.48	97.31	1.0
26UJ	Three Rivers	9.4 Q02	G		142	139.75	78.62	66.22	92.66	141	137.15	78.06	65.71	92.07	1.0
00KG	Thurrock UA	21.2 Q03	G		208	210.45	76.47	66.43	87.60	208	206.50	76.49	66.45	87.62	1.0
29UP	Tonbridge and Malling	9.6 Q18	J		148	190.80	60.01	50.73	70.50	148	187.24	60.02	50.74	70.51	1.0
00HH	Torbay UA	23.7 Q21	K		189	268.92	54.38	46.90	62.71	188	264.02	54.07	46.62	62.38	1.0
18UK	Torridge	21.4 Q21	K		130	136.42	73.73	61.60	87.55	128	133.90	72.59	60.56	86.31	1.0
00BG	Tower Hamlets	45.9 Q06	H		241	172.52	108.08	94.86	122.62	236	169.24	105.89	92.81	120.29	1.0
00BU	Trafford	20.2 Q14	B		392	332.16	91.31	82.49	100.81	387	326.01	90.14	81.38	99.59	1.0
29UQ	Tunbridge Wells	10.5 Q18	J		147	175.63	64.76	54.71	76.11	144	172.37	63.44	53.50	74.68	1.0
35UF	Tynedale	15.5 Q09	A		71	117.16	46.89	36.62	59.14	70	114.99	46.23	36.03	58.41	1.0
22UQ	Uttlesford	6.7 Q03	G		82	125.41	50.59	40.23	62.79	81	123.06	49.98	39.69	62.12	1.0
38UE	Vale of White Horse	6.9 Q16	J		127	198.31	49.55	41.30	58.95	123	194.63	47.99	39.88	57.26	1.0
13UH	Vale Royal	17.1 Q15	B		192	217.08	68.43	59.09	78.83	192	213.03	68.44	59.10	78.84	1.0
00DB	Wakefield	29.1 Q12	D		561	522.51	83.07	76.34	90.24	547	512.76	81.01	74.36	88.09	1.0
00CU	Walsall	29.4 Q27	F		543	413.42	101.62	93.25	110.54	536	405.79	100.30	91.99	109.16	1.0
00BH	Waltham Forest	30.2 Q06	H		330	245.07	104.18	93.24	116.05	322	240.44	101.69	90.89	113.43	1.0
00BJ	Wandsworth	20.9 Q08	H		233	264.49	68.16	59.69	77.49	229	259.50	67.01	58.61	76.27	1.0
35UG	Wansbeck	30.5 Q09	A		90	108.01	64.47	51.84	79.25	86	106.00	61.61	49.28	76.09	1.0
00EU	Warrington UA	19.4 Q15	B		307	310.77	76.43	68.12	85.48	304	304.94	75.70	67.43	84.71	1.0

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Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				80503	80503.00	77.37	76.84	77.91	79010	79010.00	75.93	75.41	76.47	1.0
44UF	Warwick	12.6 Q28	F		146	213.67	52.87	44.64	62.17	146	209.71	52.86	44.64	62.17	1.0
26UK	Watford	14.5 Q02	G		123	107.00	88.94	73.92	106.12	121	105.00	87.51	72.61	104.56	1.0
42UH	Waveney	21.8 Q01	G		205	236.05	67.19	58.31	77.05	203	231.75	66.51	57.68	76.32	1.0
43UL	Waverley	6.2 Q19	J		163	205.56	61.35	52.29	71.53	158	201.77	59.46	50.55	69.49	1.0
21UH	Wealden	9.4 Q19	J		233	295.24	61.06	53.47	69.42	231	289.83	60.52	52.97	68.85	1.0
20UJ	Wear Valley	32.6 Q10	A		126	111.35	87.55	72.93	104.24	124	109.28	86.17	71.67	102.74	1.0
34UH	Wellingborough	17.5 Q25	E		167	120.42	107.30	91.64	124.86	156	118.17	100.24	85.13	117.27	1.1
26UL	Welwyn Hatfield	12.6 Q02	G		169	157.59	82.97	70.93	96.47	168	154.69	82.47	70.47	95.92	1.0
00MB	West Berkshire UA	7.9 Q16	J		162	230.30	54.42	46.37	63.48	158	225.97	53.09	45.14	62.05	1.0
18UL	West Devon	16.3 Q21	K		142	108.88	100.90	84.99	118.93	138	106.87	98.06	82.38	115.85	1.0
19UH	West Dorset	13.3 Q22	K		150	217.83	53.28	45.09	62.52	145	213.88	51.48	43.44	60.58	1.0
30UP	West Lancashire	21.1 Q13	B		201	194.81	79.83	69.17	91.66	200	191.18	79.44	68.81	91.24	1.0
32UH	West Lindsey	17.7 Q24	E		133	169.53	60.70	50.82	71.94	133	166.38	60.70	50.82	71.94	1.0
38UF	West Oxfordshire	6.3 Q16	J		106	173.79	47.19	38.64	57.08	106	170.57	47.19	38.63	57.08	1.0
40UF	West Somerset	22.1 Q22	K		73	86.54	65.26	51.15	82.06	72	84.97	64.34	50.34	81.03	1.0
46UF	West Wiltshire	12.0 Q20	K		232	224.64	79.91	69.95	90.88	227	220.49	78.18	68.34	89.04	1.0
00BK	Westminster	31.7 Q04	H		209	282.71	57.20	49.70	65.50	205	277.38	56.12	48.70	64.35	1.0
19UJ	Weymouth and Portland	21.2 Q22	K		94	121.35	59.93	48.43	73.34	91	119.12	58.01	46.71	71.23	1.0
00BW	Wigan	29.3 Q14	B		619	494.77	96.80	89.32	104.73	609	485.49	95.25	87.84	103.13	1.0
24UP	Winchester	7.0 Q17	J		134	191.64	54.10	45.33	64.07	133	188.10	53.69	44.95	63.63	1.0
00ME	Windsor and Maidenhead UA	8.2 Q16	J		241	218.56	85.31	74.88	96.79	239	214.49	84.61	74.22	96.05	1.0
00CB	Wirral	30.1 Q15	B		588	542.89	83.80	77.16	90.85	582	532.91	82.93	76.33	89.95	1.0
43UM	Woking	7.3 Q19	J		109	134.82	62.55	51.36	75.46	108	132.32	61.98	50.84	74.83	1.0
00MF	Wokingham UA	5.1 Q16	J		173	234.66	57.04	48.86	66.20	168	230.24	55.41	47.35	64.45	1.0
00CW	Wolverhampton	32.2 Q27	F		412	367.01	86.85	78.67	95.66	405	360.27	85.36	77.25	94.10	1.0
47UE	Worcester	17.7 Q28	F		84	138.03	47.08	37.55	58.29	83	135.45	46.53	37.06	57.68	1.0
45UH	Worthing	15.7 Q19	J		150	182.74	63.51	53.75	74.52	149	179.43	63.06	53.34	74.03	1.0
47UF	Wychavon	11.3 Q28	F		147	224.59	50.64	42.78	59.52	146	220.43	50.29	42.47	59.15	1.0
11UF	Wycombe	9.7 Q16	J		212	249.95	65.62	57.09	75.08	209	245.29	64.70	56.23	74.09	1.0
30UQ	Wyre	17.8 Q13	B		269	229.80	90.57	80.07	102.06	266	225.62	89.53	79.09	100.96	1.0
47UG	Wyre Forest	17.8 Q28	F		131	186.11	54.46	45.53	64.62	128	182.65	53.21	44.39	63.27	1.0
00FF	York UA	14.5 Q11	D		360	303.08	91.90	82.65	101.90	352	297.50	89.84	80.70	99.74	1.0

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval	indirect rate per 100,000
Leicester UA	161.88	173.76
Corby	137.65	160.63
Newham	124.21	137.56
Charnwood	124.32	136.73
North West Leicestershire	114.31	129.72
Slough UA	109.65	125.21
Blackpool UA	111.57	123.49
Oadby and Wigston	102.84	121.16
Hounslow	105.51	116.77
Knowsley	104.28	116.30
East Staffordshire	102.38	115.81
Manchester	105.57	113.74
Kettering	97.90	112.81
Ealing	101.61	110.96
Sedgefield	95.55	109.72
Plymouth UA	100.31	109.36
Tower Hamlets	94.86	108.08
Wellingborough	91.64	107.30
East Northamptonshire	90.64	105.22
South Ribble	92.55	105.21
Tameside	95.53	105.04
Lichfield	91.77	104.41
Waltham Forest	93.24	104.18
Melton	86.11	104.04
Stockton-On-Tees UA	93.79	103.77
Hinckley and Bosworth	91.08	103.59
Greenwich	92.06	102.67
Harborough	88.72	102.58
Sunderland	94.54	102.57
Salford	92.50	102.05
Walsall	93.25	101.62
Blaby	88.33	101.61
West Devon	84.99	100.90
Fylde	87.45	100.70
Blackburn with Darwen UA	88.21	100.62
South Derbyshire	86.50	100.37
Liverpool	93.15	99.96
Redbridge	90.38	99.59
Caradon	86.75	99.56
Rutland UA	79.88	99.34
Redcar and Cleveland UA	88.26	98.92
Selby	83.88	97.97
Brent	88.17	97.43
Easington	84.33	97.25
Bournemouth UA	87.14	97.24
Kingston upon Hull, City of UA	88.38	97.18
Wigan	89.32	96.80
Copeland	82.02	96.54
Rushmoor	81.53	96.44
Barking and Dagenham	84.36	96.04
South Bucks	80.86	95.95
Rochdale	85.78	95.22
Bedford	83.92	94.49
Bristol, City of UA	86.98	94.17
North Devon	81.85	93.87
Bromley	85.21	92.62
Oldham	83.51	92.55
Sandwell	84.63	92.45
Solihull	83.80	92.42
St. Helens	82.92	92.30

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
Peterborough UA	81.76	103.67	92.23
Bury	82.53	102.45	92.09
Preston	80.17	104.89	91.91
York UA	82.65	101.90	91.90
South Holland	79.37	105.02	91.53
Middlesborough UA	80.28	103.83	91.49
Trafford	82.49	100.81	91.31
Broxbourne	77.88	106.21	91.23
Exeter	78.87	104.81	91.16
Wyre	80.07	102.06	90.57
Kings Lynn and West Norfolk	81.01	100.43	90.33
East Devon	80.99	100.07	90.15
Huntingdonshire	79.81	100.26	89.60
Birmingham	84.65	93.81	89.14
Watford	73.92	106.12	88.94
Barrow-In-Furness	74.61	104.66	88.69
Ipswich	76.77	101.17	88.34
Boston	73.63	104.79	88.19
Cannock Chase	75.37	102.50	88.16
Gloucester	75.80	101.04	87.75
Wear Valley	72.93	104.24	87.55
Durham	74.37	101.92	87.34
Thanet	77.10	98.01	87.09
Wolverhampton	78.67	95.66	86.85
Sedgemoor	75.82	98.17	86.46
South Staffordshire	75.48	98.29	86.33
South Kesteven	76.08	97.35	86.23
Sefton	79.11	93.44	86.05
St. Edmundsbury	74.58	98.68	86.00
Enfield	77.85	94.44	85.84
Bolton	77.85	93.94	85.61
Basildon	75.83	95.79	85.38
North Lincolnshire UA	76.15	95.38	85.37
Windsor and Maidenhead UA	74.88	96.79	85.31
Halton UA	73.82	98.04	85.29
Dudley	78.48	92.50	85.27
Hartlepool UA	72.42	99.16	85.01
Christchurch	70.55	101.43	84.95
Lewisham	75.52	95.21	84.94
Stevenage	70.59	101.05	84.81
Stockport	77.35	92.05	84.46
Shepway	73.23	96.50	84.27
Ellesmere Port and Neston	71.38	98.54	84.15
Burnley	70.95	98.93	84.08
Lancaster	73.88	95.15	84.02
Wirral	77.16	90.85	83.80
Havering	75.82	92.11	83.67
Tamworth	69.39	99.93	83.63
North Somerset UA	75.73	92.02	83.58
Suffolk Coastal	73.86	94.02	83.48
High Peak	71.02	96.95	83.23
Bradford	77.19	89.45	83.15
Wakefield	76.34	90.24	83.07
Hyndburn	69.54	98.42	83.05
Welwyn Hatfield	70.93	96.47	82.97
Chorley	71.38	95.67	82.87
Mid Devon	69.81	96.69	82.44
North Cornwall	70.96	95.03	82.34
Restormel	71.22	94.10	82.07
Bexley	73.61	90.63	81.79

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
Canterbury	71.61	91.76	81.22
Lambeth	71.38	91.37	80.91
Mid Bedfordshire	70.43	92.51	80.91
Harrow	72.36	90.15	80.89
Spelthorne	68.74	94.40	80.81
Bracknell Forest UA	68.60	94.50	80.78
Pendle	68.04	94.77	80.58
Darlington UA	68.85	93.30	80.39
New Forest	72.52	88.81	80.36
Hart	67.75	94.48	80.29
Mansfield	68.48	92.97	80.03
West Wiltshire	69.95	90.88	79.91
West Lancashire	69.17	91.66	79.83
Luton UA	70.09	90.36	79.75
North Wiltshire	69.27	90.58	79.39
South Gloucestershire UA	71.87	87.17	79.24
South Bedfordshire	68.28	91.29	79.16
Babergh	67.51	91.73	78.93
Hertsmere	66.78	92.29	78.77
Three Rivers	66.22	92.66	78.62
Croydon	71.37	85.92	78.40
Tewkesbury	66.24	91.85	78.27
East Riding of Yorkshire UA	72.06	84.11	77.91
Salisbury	67.52	88.92	77.67
Doncaster	70.83	84.85	77.60
Swindon UA	68.74	87.17	77.55
Rossendale	63.05	93.68	77.24
Telford and Wrekin UA	67.77	87.55	77.19
Barnsley	69.09	85.01	76.74
Ashford	66.04	88.65	76.73
North Norfolk	67.12	86.76	76.47
Thurrock UA	66.43	87.60	76.47
Warrington UA	68.12	85.48	76.43
Scarborough	66.53	87.21	76.35
Fenland	65.27	88.61	76.28
South Tyneside	67.11	86.25	76.23
North Kesteven	65.82	87.67	76.16
Penwith	63.82	90.10	76.12
Arun	67.87	84.77	75.97
Kerrier	65.41	87.73	75.96
Bath and North East Somerset	67.09	85.17	75.73
Carrick	64.80	87.89	75.70
Mid Suffolk	64.81	87.82	75.67
Stoke-On-Trent UA	68.01	83.83	75.61
Bridgnorth	61.65	91.61	75.53
Hackney	65.03	86.88	75.37
Forest of Dean	63.70	88.31	75.26
Crawley	63.12	88.77	75.13
Hambleton	63.99	87.27	74.96
Portsmouth UA	65.86	84.73	74.85
Daventry	62.07	89.11	74.68
Tandridge	62.58	88.12	74.54
Islington	63.64	86.40	74.38
Chester	64.23	85.42	74.26
Dover	63.99	85.36	74.10
Stroud	63.96	85.25	74.04
South Lakeland	64.22	84.63	73.91
Surrey Heath	61.47	87.85	73.79
Torridge	61.60	87.55	73.73
Ryedale	60.15	89.38	73.70

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
East Dorset	63.47	84.60	73.47
Poole UA	64.36	82.97	73.23
North Hertfordshire	63.12	84.46	73.22
Brentwood	60.58	87.65	73.19
Derwentside	61.08	85.37	72.47
Tendring	64.57	81.00	72.44
Adur	59.40	87.26	72.34
Chester-Le-Street	57.93	88.77	72.14
Southwark	63.43	81.69	72.13
Reading UA	60.69	83.35	71.35
Taunton Deane	61.33	82.53	71.34
Southampton UA	63.00	80.46	71.33
Newark and Sherwood	61.35	82.29	71.25
Stafford	61.83	81.48	71.15
Harlow	58.18	86.12	71.14
East Lindsey	63.04	79.66	70.99
Great Yarmouth	60.64	82.55	70.97
Allerdale	60.51	82.60	70.92
Ashfield	60.80	82.24	70.91
South Hams	60.22	82.87	70.88
Richmondshire	55.90	88.54	70.84
East Hampshire	60.80	81.82	70.73
Kirklees	64.75	76.76	70.56
Eastleigh	60.54	81.75	70.56
Leeds	66.03	75.01	70.41
Hammersmith and Fulham	59.84	82.18	70.36
Northampton	61.95	79.30	70.22
Sutton	61.14	79.25	69.76
Carlisle	59.46	81.25	69.73
Derby UA	62.18	77.74	69.64
Gosport	57.30	83.04	69.29
Lewes	59.31	80.15	69.15
Chelmsford	60.54	78.56	69.12
Barnet	62.47	76.04	69.01
Epping Forest	59.34	79.66	68.95
Amber Valley	59.22	79.25	68.69
St. Albans	58.89	79.59	68.66
Braintree	59.48	78.66	68.57
Vale Royal	59.09	78.83	68.43
Brighton and Hove UA	60.58	76.44	68.17
Wandsworth	59.69	77.49	68.16
Colchester	59.56	77.55	68.11
Hastings	56.60	80.90	67.95
East Cambridgeshire	56.27	80.79	67.71
Rotherham	60.84	74.97	67.63
Hillingdon	59.99	75.57	67.44
Sheffield	62.39	72.57	67.34
Teesdale	48.67	90.59	67.25
Waveney	58.31	77.05	67.19
Fareham	57.67	77.74	67.15
Basingstoke and Deane	58.28	76.85	67.09
Sevenoaks	57.22	77.67	66.87
Rother	57.41	77.25	66.78
Chichester	57.85	76.71	66.78
Cheltenham	56.52	78.20	66.71
Crewe and Nantwich	57.01	77.53	66.68
Merton	57.84	76.32	66.60
North Shropshire	53.91	81.27	66.55
Bolsover	54.57	80.18	66.46
Staffordshire Moorlands	56.50	77.58	66.42

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
Wycombe	57.09	75.08	65.62
Lincoln	53.54	79.39	65.52
Macclesfield	57.35	74.26	65.40
Calderdale	57.67	73.68	65.31
Runnymede	53.51	78.91	65.30
West Somerset	51.15	82.06	65.26
Eden	52.03	80.14	64.97
Tunbridge Wells	54.71	76.11	64.76
Eastbourne	54.88	75.84	64.73
Haringey	55.69	74.29	64.49
Wansbeck	51.84	79.25	64.47
Herefordshire, County of UA	57.24	72.16	64.38
Kingston upon Thames	54.96	74.88	64.35
Blyth Valley	53.03	77.23	64.29
North Tyneside	56.85	72.31	64.24
Dacorum	55.21	74.30	64.23
North East Lincolnshire UA	55.84	73.25	64.10
Milton Keynes UA	56.32	72.60	64.08
Mid Sussex	55.10	73.85	63.97
North Dorset	52.31	77.28	63.90
Breckland	55.37	73.12	63.78
Gravesham	53.16	75.66	63.67
Worthing	53.75	74.52	63.51
Castle Morpeth	50.48	78.78	63.47
East Hertfordshire	54.02	73.47	63.19
South Norfolk	54.54	72.81	63.18
Havant	54.35	73.01	63.17
Newcastle upon Tyne	56.37	70.55	63.16
Congleton	52.96	74.48	63.04
Southend-On-Sea UA	54.84	71.84	62.91
Swale	53.89	73.02	62.91
Forest Heath	49.26	79.02	62.85
Woking	51.36	75.46	62.55
Ribble Valley	49.78	76.86	62.24
Erewash	52.39	72.81	61.98
Mendip	52.54	72.46	61.91
Guildford	52.63	72.27	61.87
Bassetlaw	52.44	72.17	61.72
Waverley	52.29	71.53	61.35
Wealden	53.47	69.42	61.06
Norwich	51.29	71.95	60.97
Cotswold	50.76	72.24	60.79
Reigate and Banstead	51.84	70.77	60.76
West Lindsey	50.82	71.94	60.70
South Somerset	53.14	68.72	60.56
Craven	48.47	74.46	60.43
Cherwell	51.33	70.28	60.25
Dartford	49.11	72.82	60.10
Medway UA	53.28	67.50	60.08
Tonbridge and Malling	50.73	70.50	60.01
Weymouth and Portland	48.43	73.34	59.93
Teignbridge	51.57	68.49	59.59
Kennet	48.55	72.28	59.54
Shrewsbury and Atcham	49.82	70.52	59.50
Gateshead	51.76	66.77	58.91
Broadland	50.49	67.77	58.66
Chiltern	48.20	69.52	58.14
Rugby	47.92	69.57	58.00
Coventry	51.75	64.66	57.94
Redditch	46.52	71.29	57.93

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
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Local authority	95% Confidence interval		indirect rate per 100,000
South Northamptonshire	47.35	69.82	57.78
Horsham	49.02	66.60	57.31
Westminster	49.70	65.50	57.20
Wokingham UA	48.86	66.20	57.04
North East Derbyshire	47.77	67.09	56.82
Test Valley	47.85	66.96	56.81
Newcastle-under-Lyme	47.95	66.20	56.53
Elmbridge	47.61	66.39	56.42
Oswestry	41.51	72.90	55.59
South Cambridgeshire	47.05	64.23	55.14
Castle Point	45.65	65.53	54.92
Richmond upon Thames	47.00	63.58	54.83
Epsom and Ewell	43.42	67.97	54.68
Wyre Forest	45.53	64.62	54.46
West Berkshire UA	46.37	63.48	54.42
Torbay UA	46.90	62.71	54.38
Winchester	45.33	64.07	54.10
Rochford	44.00	65.13	53.80
Camden	45.40	62.74	53.55
West Dorset	45.09	62.52	53.28
Warwick	44.64	62.17	52.87
South Shropshire	40.76	67.05	52.70
Chesterfield	43.53	62.98	52.59
Maldon	41.34	65.28	52.31
Stratford-On-Avon	44.19	60.87	52.04
Oxford	42.49	62.89	51.95
Nottingham UA	45.12	59.01	51.72
Derbyshire Dales	41.73	63.06	51.58
Maidstone	43.70	59.78	51.27
Wychavon	42.78	59.52	50.64
Uttlesford	40.23	62.79	50.59
Harrogate	43.24	58.18	50.30
Mole Valley	40.40	60.39	49.65
Vale of White Horse	41.30	58.95	49.55
Rushcliffe	39.55	57.50	47.90
West Oxfordshire	38.64	57.08	47.19
Worcester	37.55	58.29	47.08
Purbeck	35.72	60.81	47.04
Bromsgrove	38.32	56.94	46.95
Malvern Hills	37.92	57.43	46.93
Tynedale	36.62	59.14	46.89
Broxtowe	38.13	55.82	46.35
Isle of Wight UA	38.92	52.88	45.50
Gedling	37.16	54.03	45.01
South Oxfordshire	37.04	53.02	44.50
Kensington and Chelsea	34.79	49.88	41.83
Cambridge	32.54	52.75	41.75
North Warwickshire	31.37	53.41	41.31
Alnwick	28.67	56.67	40.93
Nuneaton and Bedworth	31.25	46.81	38.45
Berwick-upon-Tweed	23.04	50.87	34.96
Aylesbury Vale	28.28	41.05	34.23

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
Leicester UA	154.29	178.15	165.89
Corby	123.17	169.50	144.97
Newham	121.59	149.06	134.80
Charnwood	119.34	144.57	131.51
Slough UA	109.18	141.83	124.71
North West Leicestershire	108.63	140.19	123.66
Blackpool UA	110.06	134.68	121.90
Oadby and Wigston	99.21	137.55	117.22
Hounslow	104.43	127.71	115.63
Knowsley	102.99	127.89	114.94
Manchester	104.05	120.75	112.17
Ealing	100.83	120.08	110.14
East Staffordshire	96.73	124.13	109.79
Sedgefield	95.07	124.87	109.22
Plymouth UA	98.55	117.09	107.52
Tower Hamlets	92.81	120.29	105.89
Kettering	89.72	119.96	104.02
South Ribble	90.97	117.34	103.53
Tameside	93.98	113.53	103.41
Stockton-On-Tees UA	93.05	113.71	102.99
Waltham Forest	90.89	113.43	101.69
Melton	83.72	121.72	101.40
Sunderland	93.40	109.85	101.38
Walsall	91.99	109.16	100.30
Wellingborough	85.13	117.27	100.24
Blaby	86.98	114.78	100.16
Salford	90.41	110.02	99.85
Blackburn with Darwen UA	87.43	113.39	99.79
Fylde	86.51	114.32	99.70
Greenwich	89.23	111.02	99.68
Harborough	85.81	114.64	99.45
Liverpool	92.30	106.23	99.08
Lichfield	86.61	112.46	98.91
Caradon	85.90	112.75	98.64
Redbridge	89.29	108.29	98.45
West Devon	82.38	115.85	98.06
Hinckley and Bosworth	85.58	111.12	97.73
Redcar and Cleveland UA	87.07	109.17	97.65
South Derbyshire	83.04	111.84	96.64
Copeland	82.03	112.88	96.54
South Bucks	80.86	113.02	95.94
Selby	81.79	111.34	95.72
East Northamptonshire	81.75	111.18	95.62
Brent	86.36	105.40	95.52
Easington	82.54	109.53	95.32
Wigan	87.84	103.13	95.25
Rutland UA	75.92	117.22	94.91
Barking and Dagenham	83.26	107.62	94.86
Bedford	83.01	104.98	93.51
Kingston upon Hull, City of UA	84.86	102.76	93.49
Bournemouth UA	83.55	104.19	93.44
Rushmoor	78.55	109.79	93.20
Bristol, City of UA	85.56	100.24	92.68
North Devon	80.63	105.77	92.57
Rochdale	83.11	102.47	92.41
Preston	80.17	104.90	91.91
Peterborough UA	81.15	102.98	91.58
St. Helens	82.18	101.63	91.52
Bury	81.77	101.60	91.29
Sandwell	83.41	99.49	91.19

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
Oldham	81.92	100.54	90.87
Middlesborough UA	79.56	103.01	90.72
Bromley	83.35	98.49	90.68
Broxbourne	77.37	105.62	90.68
Solihull	81.70	99.37	90.22
Trafford	81.38	99.59	90.14
York UA	80.70	99.74	89.84
Wyre	79.09	100.96	89.53
Exeter	76.70	102.32	88.82
South Holland	76.41	101.62	88.35
Birmingham	83.35	92.44	87.81
Kings Lynn and West Norfolk	78.49	97.62	87.66
Watford	72.61	104.56	87.51
Ipswich	75.97	100.25	87.49
Barrow-In-Furness	73.45	103.29	87.43
Boston	72.36	103.28	86.80
East Devon	77.81	96.52	86.79
Cannock Chase	73.93	100.83	86.61
Thanet	76.48	97.31	86.43
Wear Valley	71.67	102.74	86.17
Durham	72.87	100.18	85.72
South Staffordshire	74.78	97.49	85.57
Wolverhampton	77.25	94.10	85.36
Huntingdonshire	75.66	95.62	85.20
St. Edmundsbury	73.79	97.77	85.15
Sefton	78.21	92.47	85.12
Gloucester	73.27	98.12	85.02
South Kesteven	74.84	95.95	84.91
Basildon	75.28	95.17	84.79
Windsor and Maidenhead UA	74.22	96.05	84.61
Halton UA	73.04	97.14	84.46
Dudley	77.63	91.58	84.39
Bolton	76.58	92.54	84.28
Sedgemoor	73.77	95.84	84.27
Ellesmere Port and Neston	71.38	98.54	84.15
Lewisham	74.75	94.35	84.12
Burnley	70.95	98.94	84.08
Lancaster	73.55	94.78	83.66
Enfield	75.73	92.11	83.62
Stevenage	69.36	99.58	83.46
Hartlepool UA	70.97	97.46	83.44
Shepway	72.09	95.19	83.04
Tamworth	68.79	99.21	82.97
Wirral	76.33	89.95	82.93
Stockport	75.79	90.35	82.83
North Somerset UA	74.76	90.95	82.56
Welwyn Hatfield	70.47	95.92	82.47
Chorley	70.99	95.22	82.44
North Cornwall	70.95	95.01	82.33
Suffolk Coastal	72.68	92.70	82.24
Christchurch	67.33	97.57	81.41
Havering	73.51	89.56	81.24
High Peak	69.16	94.79	81.23
Bradford	75.19	87.30	81.08
Wakefield	74.36	88.09	81.01
Mid Bedfordshire	70.46	92.54	80.94
Restormel	70.09	92.81	80.86
Pendle	68.05	94.77	80.59
Darlington UA	68.85	93.30	80.39
Bexley	72.12	88.97	80.22

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
North Lincolnshire UA	71.25	89.89	80.17
Harrow	71.66	89.38	80.16
Canterbury	70.41	90.41	79.95
Hyndburn	66.69	95.04	79.94
Spelthorne	67.80	93.29	79.79
Mid Devon	67.30	93.74	79.71
Luton UA	69.80	90.03	79.44
West Lancashire	68.81	91.24	79.44
Lambeth	69.96	89.77	79.40
Bracknell Forest UA	67.20	92.86	79.26
New Forest	71.10	87.24	78.86
South Bedfordshire	67.51	90.41	78.34
Hertsmere	66.31	91.73	78.25
West Wiltshire	68.34	89.04	78.18
Mansfield	66.75	90.95	78.16
Three Rivers	65.71	92.07	78.06
Babergh	66.65	90.72	78.00
Doncaster	70.67	84.68	77.44
South Gloucestershire UA	70.09	85.21	77.38
Croydon	69.92	84.33	76.87
Tewkesbury	64.80	90.15	76.70
Rossendale	62.39	92.88	76.51
Thurrock UA	66.45	87.62	76.49
Salisbury	66.13	87.32	76.18
North Wiltshire	66.26	87.15	76.17
Hart	63.71	89.71	75.88
Barnsley	68.11	83.92	75.71
Warrington UA	67.43	84.71	75.70
Swindon UA	66.94	85.14	75.63
Telford and Wrekin UA	66.30	85.88	75.62
Penwith	63.29	89.47	75.54
North Kesteven	65.09	86.82	75.37
Carrick	64.38	87.40	75.24
Mid Suffolk	64.41	87.35	75.23
Ashford	64.50	86.87	75.06
Bridgnorth	60.99	90.80	74.80
Arun	66.49	83.22	74.51
Hambleton	63.57	86.78	74.50
South Tyneside	65.40	84.31	74.41
Kerrier	63.88	85.96	74.31
North Norfolk	65.01	84.36	74.22
Hackney	63.96	85.65	74.22
East Riding of Yorkshire UA	68.39	80.15	74.10
Fenland	63.20	86.20	74.04
Tandridge	62.08	87.52	73.99
Portsmouth UA	65.02	83.77	73.95
Stoke-On-Trent UA	66.42	82.07	73.94
South Lakeland	64.21	84.62	73.89
Forest of Dean	62.31	86.69	73.76
Scarborough	63.89	84.19	73.52
Crawley	61.62	86.99	73.50
Chester	63.51	84.59	73.49
Dover	63.27	84.52	73.32
Surrey Heath	60.94	87.23	73.21
Ryedale	59.50	88.59	72.98
Torridge	60.56	86.31	72.59
North Hertfordshire	62.40	83.63	72.44
Tendring	64.54	80.96	72.40
East Dorset	62.38	83.33	72.29
Daventry	59.87	86.49	72.28

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
Islington	61.66	84.10	72.23
Chester-Le-Street	57.93	88.78	72.14
Brentwood	59.44	86.28	71.94
Stroud	61.82	82.79	71.74
Derwentside	60.15	84.28	71.46
Southampton UA	63.00	80.46	71.33
Stafford	61.83	81.48	71.15
Poole UA	62.39	80.73	71.12
Bath and North East Somerset	62.72	80.25	71.08
Richmondshire	55.91	88.55	70.84
East Hampshire	60.80	81.82	70.73
Eastleigh	60.55	81.76	70.56
Allerdale	60.11	82.13	70.48
Southwark	61.83	79.88	70.42
South Hams	59.38	81.89	69.97
Hammersmith and Fulham	59.45	81.73	69.93
Harlow	56.95	84.63	69.78
Taunton Deane	59.85	80.81	69.75
East Lindsey	61.87	78.35	69.74
Reading UA	59.04	81.41	69.56
Leeds	65.03	73.95	69.38
Newark and Sherwood	59.57	80.23	69.33
Sutton	60.60	78.63	69.18
Kirklees	63.39	75.28	69.14
Chelmsford	60.55	78.57	69.12
Great Yarmouth	58.68	80.26	68.84
Gosport	56.76	82.38	68.69
Braintree	59.49	78.67	68.58
Vale Royal	59.10	78.84	68.44
Derby UA	60.72	76.11	68.09
Ashfield	58.18	79.20	68.09
Northampton	59.93	77.02	68.07
Carlisle	57.89	79.41	68.02
St. Albans	58.17	78.76	67.89
Barnet	61.35	74.80	67.83
Epping Forest	58.30	78.46	67.82
Colchester	59.28	77.24	67.82
Adur	55.18	82.15	67.67
Hillingdon	60.00	75.58	67.45
Hastings	56.11	80.32	67.41
Teesdale	48.67	90.59	67.25
Rotherham	60.31	74.39	67.07
Sheffield	62.11	72.26	67.04
Wandsworth	58.61	76.27	67.01
Amber Valley	57.53	77.30	66.87
Sevenoaks	57.22	77.67	66.86
Lewes	57.10	77.59	66.76
Cheltenham	56.51	78.18	66.69
East Cambridgeshire	55.27	79.59	66.61
Brighton and Hove UA	59.04	74.71	66.53
Waveney	57.68	76.32	66.51
Crewe and Nantwich	56.64	77.11	66.29
Basingstoke and Deane	57.40	75.85	66.14
Merton	57.25	75.65	65.98
North Shropshire	53.28	80.50	65.85
Chichester	56.89	75.61	65.75
Fareham	56.27	76.12	65.64
Staffordshire Moorlands	55.73	76.68	65.58
Macclesfield	57.35	74.25	65.39
Runnymede	53.51	78.91	65.30

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
Rother	56.01	75.63	65.27
Calderdale	57.44	73.43	65.07
Lincoln	52.96	78.69	64.89
Wycombe	56.23	74.09	64.70
Bolsover	52.92	78.18	64.64
West Somerset	50.34	81.03	64.34
Dacorum	54.88	73.92	63.87
Tunbridge Wells	53.50	74.68	63.44
Herefordshire, County of UA	56.21	71.00	63.28
Kingston upon Thames	53.90	73.66	63.21
Worthing	53.34	74.03	63.06
Congleton	52.96	74.48	63.04
Haringey	54.16	72.53	62.85
Eden	50.03	77.66	62.72
Gravesham	52.26	74.59	62.69
Blyth Valley	51.50	75.40	62.61
Mid Sussex	53.83	72.37	62.59
Eastbourne	52.90	73.51	62.58
Milton Keynes UA	54.89	70.98	62.55
Southend-On-Sea UA	54.29	71.21	62.32
Breckland	53.92	71.45	62.22
East Hertfordshire	52.99	72.28	62.08
Forest Heath	48.50	78.06	61.99
Woking	50.84	74.83	61.98
Havant	53.05	71.51	61.77
Bassetlaw	52.45	72.17	61.72
Wansbeck	49.28	76.09	61.61
North Dorset	50.12	74.62	61.47
Castle Morpeth	48.40	76.20	61.14
Swale	52.21	71.07	61.10
Norwich	51.28	71.93	60.96
South Norfolk	52.38	70.32	60.86
Cotswold	50.75	72.22	60.78
Erewash	51.24	71.45	60.72
West Lindsey	50.82	71.94	60.70
North East Lincolnshire UA	52.52	69.44	60.54
Wealden	52.97	68.85	60.52
Guildford	51.19	70.59	60.31
Reigate and Banstead	51.16	69.98	60.02
Tonbridge and Malling	50.74	70.51	60.02
North Tyneside	52.88	67.83	60.01
Medway UA	52.90	67.07	59.67
Newcastle upon Tyne	52.94	66.72	59.53
South Somerset	52.18	67.63	59.53
Mendip	50.34	69.87	59.51
Waverley	50.55	69.49	59.46
Ribble Valley	47.20	73.66	59.34
Teignbridge	51.28	68.15	59.27
Cherwell	50.31	69.09	59.15
Shrewsbury and Atcham	49.40	70.02	59.05
Dartford	48.07	71.56	58.95
Weymouth and Portland	46.71	71.23	58.01
Broadland	49.89	67.08	58.01
Redditch	46.54	71.32	57.95
Kennet	46.97	70.36	57.79
Craven	46.01	71.41	57.68
Chiltern	47.76	68.99	57.65
Coventry	51.24	64.08	57.39
Test Valley	47.86	66.97	56.82
Horsham	48.39	65.87	56.63

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Both Sexes

Local authority	95% Confidence interval		indirect rate per 100,000
Gateshead	49.28	63.95	56.26
South Northamptonshire	45.90	68.07	56.18
Westminster	48.70	64.35	56.12
Rugby	46.11	67.39	56.00
Elmbridge	46.90	65.55	55.65
Oswestry	41.51	72.89	55.59
Newcastle-under-Lyme	46.94	65.00	55.42
Wokingham UA	47.35	64.45	55.41
North East Derbyshire	46.27	65.32	55.18
Richmond upon Thames	46.73	63.27	54.53
Castle Point	45.23	65.04	54.47
Torbay UA	46.62	62.38	54.07
Rochford	44.00	65.12	53.79
Winchester	44.95	63.63	53.69
South Cambridgeshire	45.51	62.44	53.48
Camden	45.10	62.39	53.22
Wyre Forest	44.39	63.27	53.21
West Berkshire UA	45.14	62.05	53.09
Warwick	44.64	62.17	52.86
South Shropshire	40.75	67.03	52.69
Epsom and Ewell	41.62	65.72	52.66
Chesterfield	43.53	62.98	52.59
Derbyshire Dales	41.73	63.05	51.58
West Dorset	43.44	60.58	51.48
Stratford-On-Avon	43.27	59.79	51.03
Maldon	40.16	63.80	50.97
Nottingham UA	44.25	58.00	50.78
Maidstone	43.13	59.11	50.65
Wychavon	42.47	59.15	50.29
Harrogate	42.98	57.88	50.02
Uttlesford	39.69	62.12	49.98
Mole Valley	40.39	60.38	49.64
Oxford	39.80	59.63	48.97
Vale of White Horse	39.88	57.26	47.99
West Oxfordshire	38.63	57.08	47.19
Bromsgrove	38.32	56.93	46.94
Rushcliffe	38.41	56.13	46.65
Worcester	37.06	57.68	46.53
Malvern Hills	37.47	56.87	46.42
Broxtowe	38.13	55.81	46.35
Tynedale	36.03	58.41	46.23
Purbeck	33.59	58.05	44.59
South Oxfordshire	36.72	52.64	44.15
Isle of Wight UA	37.42	51.14	43.88
Gedling	36.09	52.74	43.83
Cambridge	32.54	52.74	41.74
Kensington and Chelsea	34.49	49.52	41.50
North Warwickshire	31.38	53.42	41.32
Alnwick	26.77	54.02	38.66
Nuneaton and Bedworth	31.25	46.82	38.46
Berwick-upon-Tweed	23.03	50.86	34.95
Aylesbury Vale	27.75	40.42	33.65

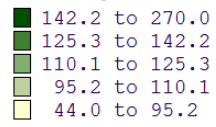
Coronary revascularisation: spells: males

Indirectly standardised rate per 100 000: each local authority in England

Any mention of operation: 2009-2011

All admissions

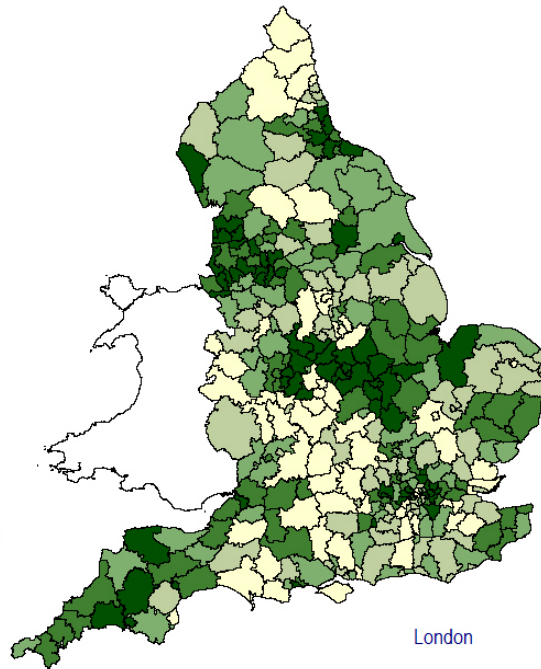
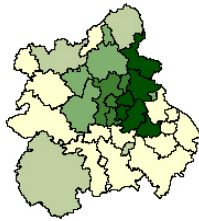
Quintile range of rates



Manchester



West Midlands



London



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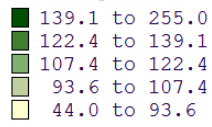
Coronary revascularisation:: males

Indirectly standardised rate per 100 000: each local authority in England

Any mention of operation: 2009-2011

All admissions

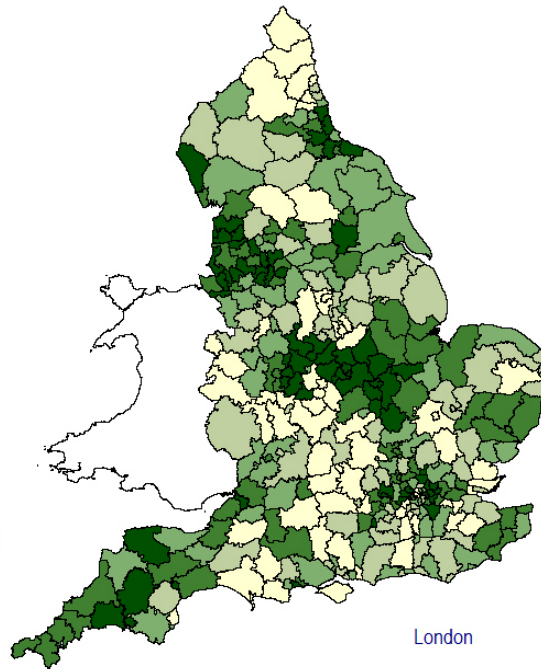
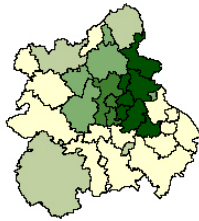
Quintile range of rates



Manchester



West Midlands



London



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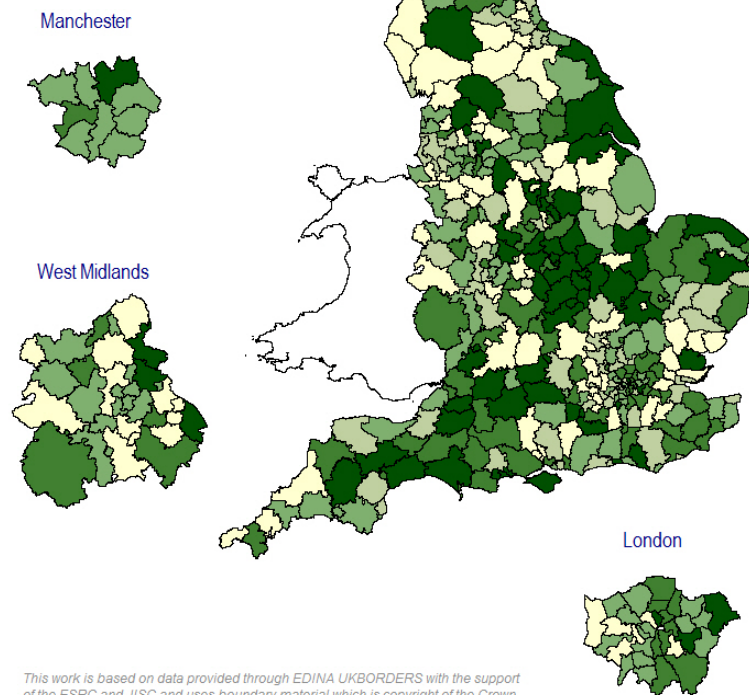
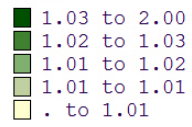
Coronary revascularisation: ratios: males

Number of spells per person: each local authority in England

Any mention of operation: 2009-2011

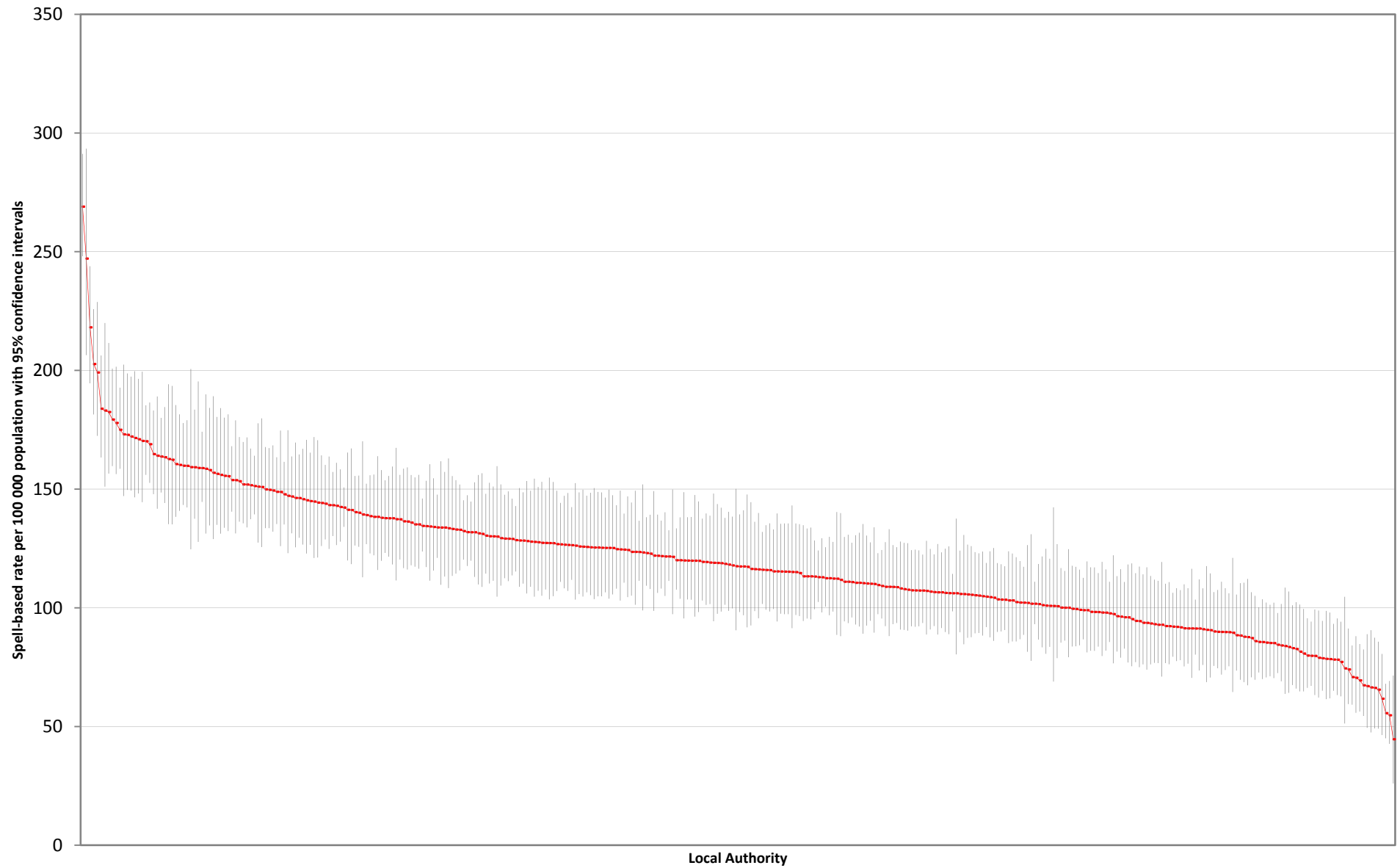
All admissions

Ratios

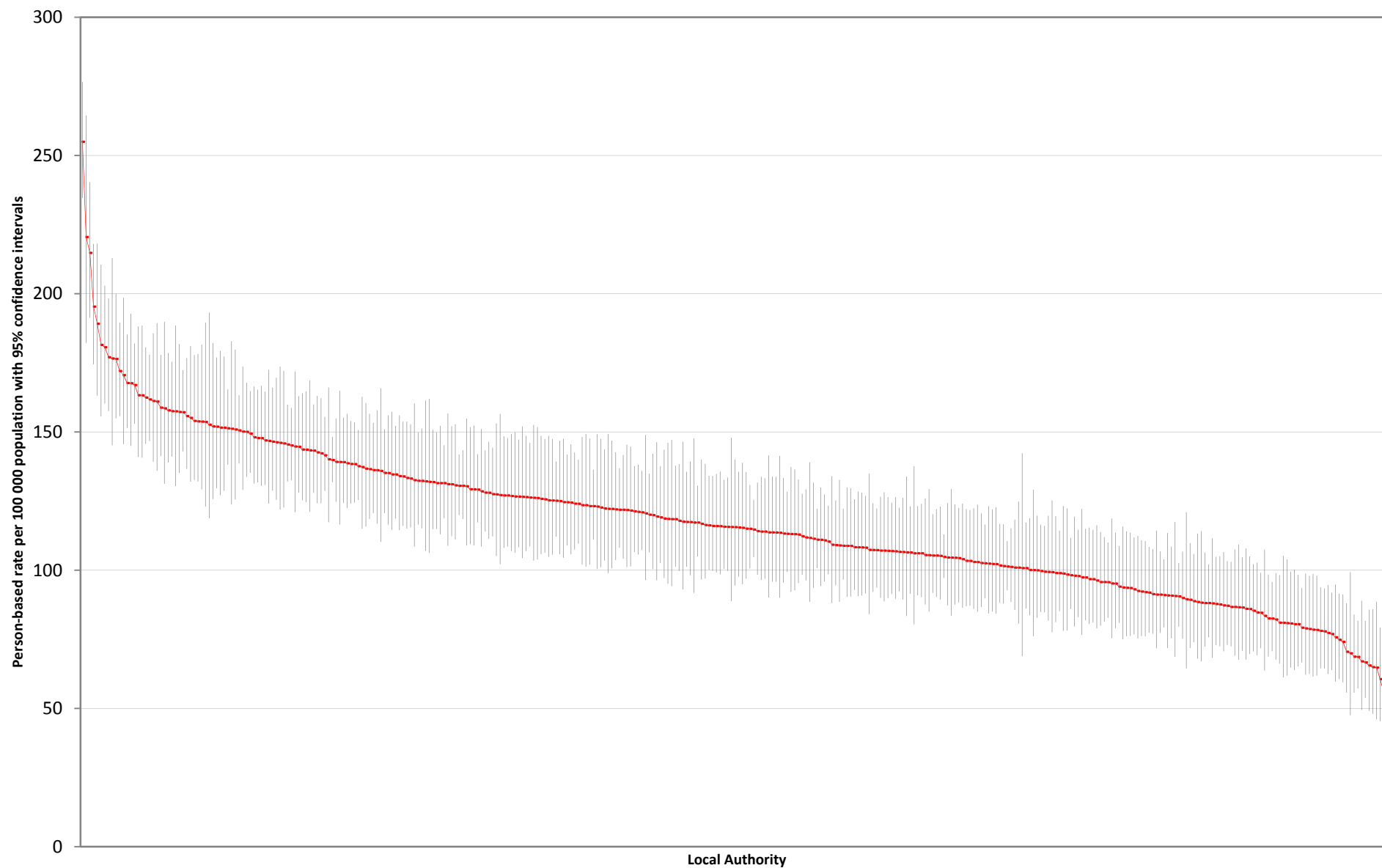


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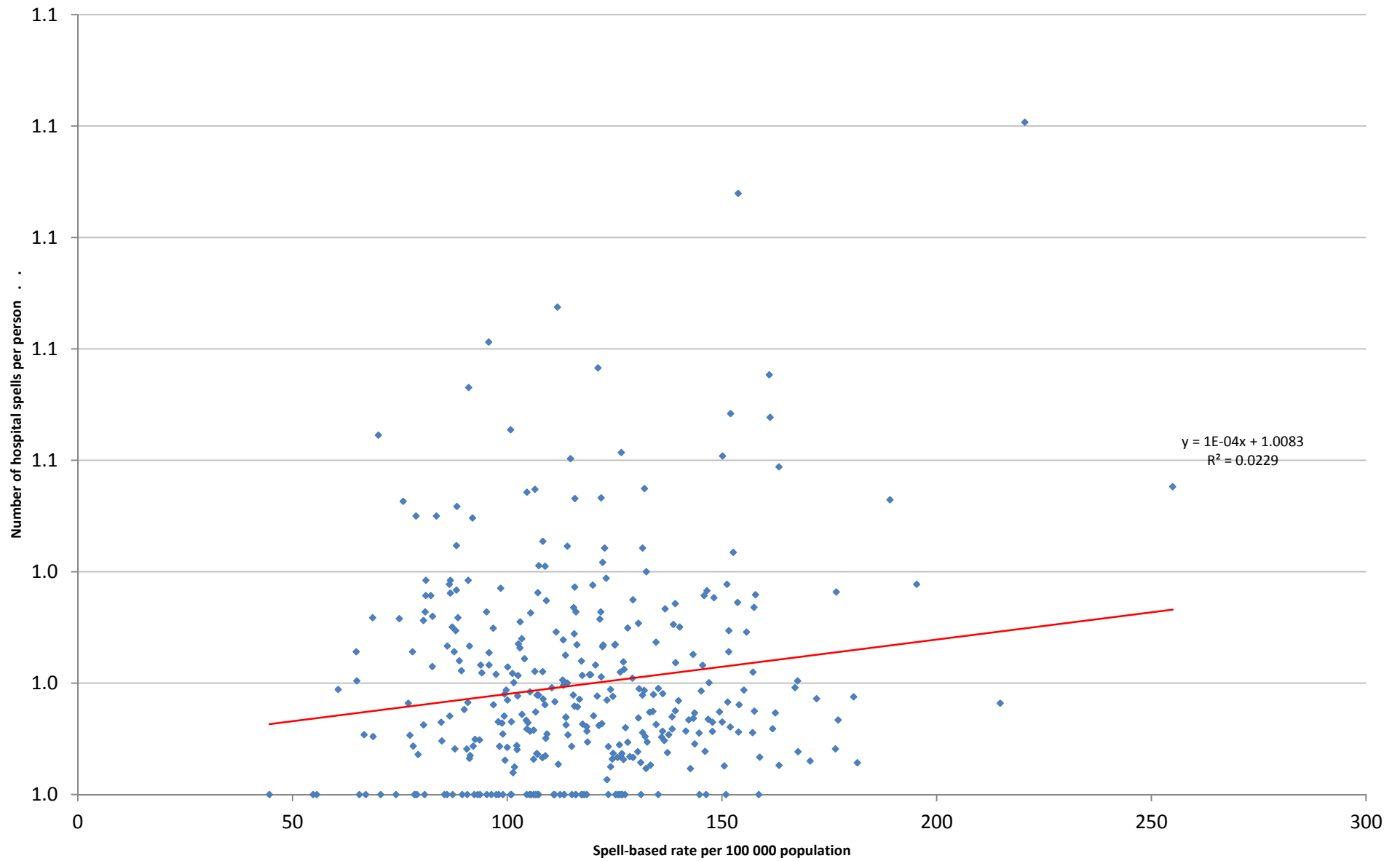
Coronary revascularisation : Spell-based rate per 100 000 population for each Local Authority , Males



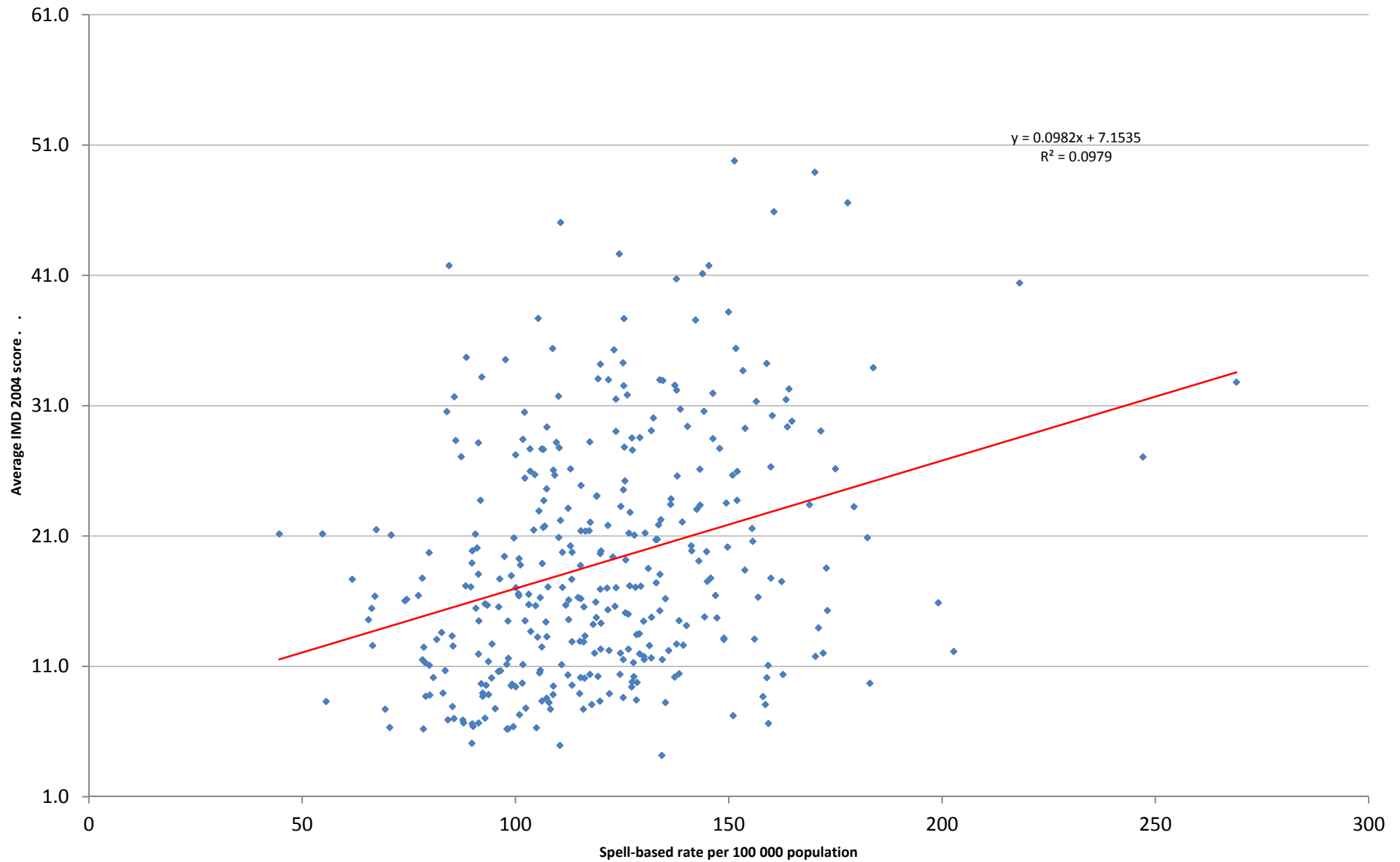
Coronary revascularisation : Person-based rate per 100 000 population for each Local Authority , Males



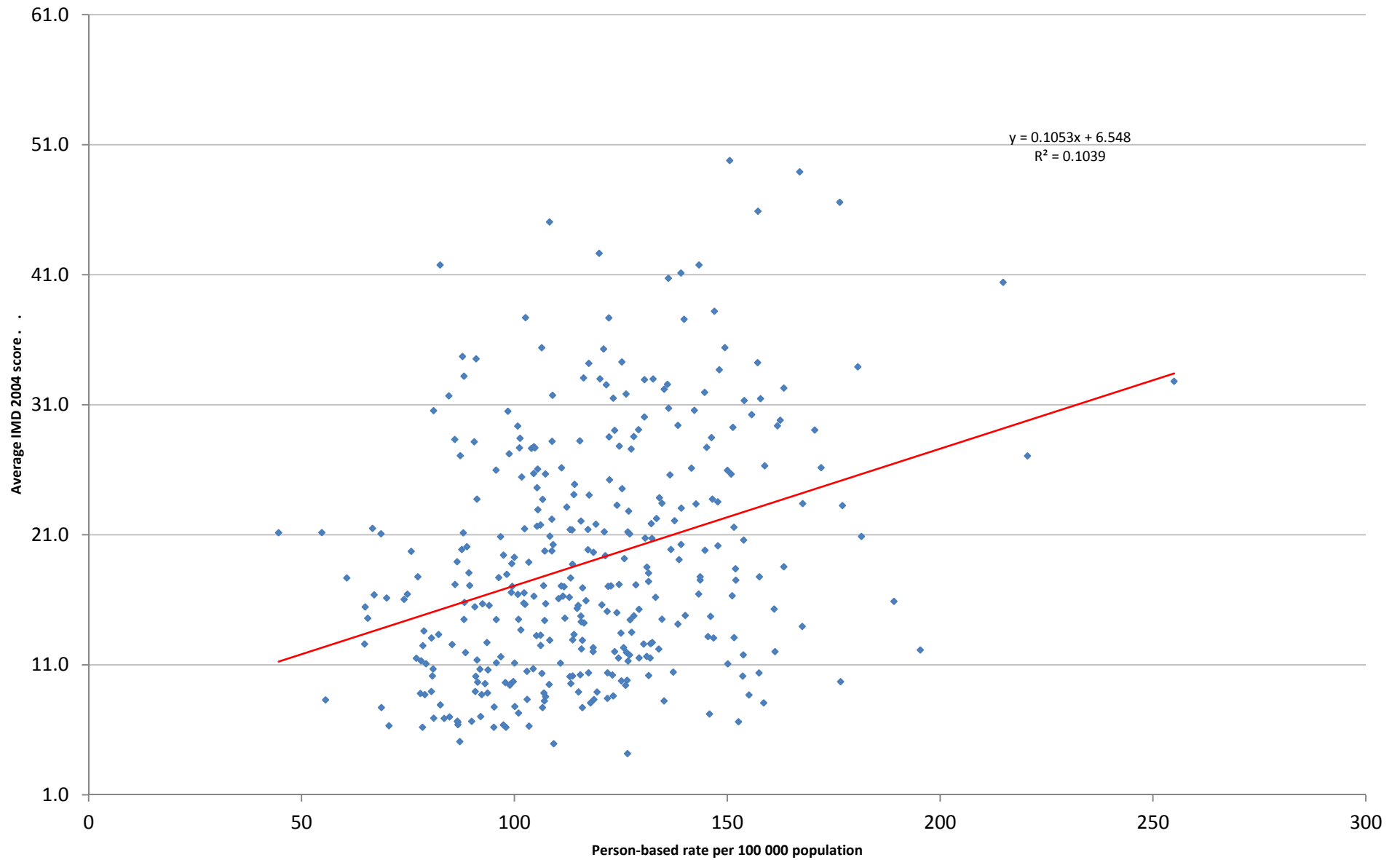
Coronary revascularisation : number of spells plotted against the person-based rate for each Local Authority , Males



Coronary revascularisation : average IMD score plotted against the spell-based rate for each Local Authority , Males



Coronary revascularisation : average IMD score plotted against the person-based rate for each Local Authority , Males



HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Males									Ratio of spells to people	
					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57	1.0
45UB	Adur	17.0 Q19	J		87	87.35	121.49	97.30	149.85	80	85.69	111.68	88.55	139.00	1.1
16UB	Allerdale	22.9 Q13	B		122	141.02	105.52	87.62	125.99	122	138.32	105.51	87.62	125.98	1.0
35UB	Alnwick	16.1 Q09	A		33	54.02	74.51	51.28	104.65	31	52.99	69.98	47.54	99.34	1.1
17UB	Amber Valley	18.9 Q24	E		147	168.70	106.28	89.80	124.92	143	165.44	103.40	87.14	121.80	1.0
45UC	Arun	15.6 Q19	J		233	244.86	116.06	101.64	131.96	231	240.28	115.00	100.65	130.83	1.0
37UB	Ashfield	27.8 Q24	E		136	150.44	110.26	92.51	130.43	129	147.53	104.59	87.32	124.28	1.1
29UB	Ashford	13.4 Q18	J		153	145.35	128.39	108.85	150.43	149	142.54	125.04	105.76	146.80	1.0
11UB	Aylesbury Vale	8.3 Q16	J		95	208.28	55.63	45.01	68.01	95	204.22	55.65	45.02	68.02	1.0
42UB	Babergh	11.3 Q01	G		137	130.90	127.65	107.17	150.90	136	128.40	126.70	106.30	149.87	1.0
00AB	Barking and Dagenham	31.3 Q06	H		189	147.35	156.45	134.93	180.41	186	144.48	154.00	132.66	177.79	1.0
00AC	Barnet	16.1 Q05	H		319	345.83	112.51	100.50	125.56	313	339.14	110.40	98.51	123.33	1.0
00CC	Barnsley	33.0 Q23	D		287	287.42	121.79	108.11	136.73	283	281.85	120.11	106.52	134.95	1.0
16UC	Barrow-In-Furness	33.0 Q13	B		107	97.50	133.85	109.69	161.74	106	95.63	132.60	108.56	160.37	1.0
22UB	Basildon	20.7 Q03	G		215	197.29	132.92	115.74	151.92	214	193.48	132.31	115.17	151.27	1.0
24UB	Basingstoke and Deane	8.8 Q17	J		171	191.67	108.82	93.12	126.41	168	187.92	106.94	91.38	124.39	1.0
37UC	Bassetlaw	25.7 Q24	E		134	156.37	104.52	87.57	123.79	134	153.35	104.52	87.57	123.79	1.0
00HA	Bath and North East Somerset UA	12.2 Q20	K		218	218.08	121.93	106.28	139.23	207	213.92	115.75	100.52	132.64	1.1
09UD	Bedford	17.5 Q02	G		222	186.80	144.95	126.51	165.33	220	183.19	143.66	125.30	163.95	1.0
35UC	Berwick-upon-Tweed	21.2 Q09	A		17	46.45	44.64	26.00	71.47	17	45.57	44.63	26.00	71.45	1.0
00AD	Bexley	15.0 Q07	H		270	260.50	126.42	111.78	142.43	265	255.49	124.07	109.58	139.94	1.0
00CN	Birmingham	37.6 Q27	F		1147	983.59	142.23	134.12	150.71	1128	964.65	139.87	131.83	148.28	1.0
31UB	Blaby	8.7 Q25	E		163	125.81	158.02	134.69	184.23	160	123.39	155.11	132.00	181.09	1.0
00EX	Blackburn with Darwen UA	32.3 Q13	B		192	142.70	164.11	141.71	189.03	191	139.92	163.29	140.95	188.16	1.0
00EY	Blackpool UA	33.9 Q13	B		290	192.37	183.87	163.31	206.30	285	188.68	180.68	160.31	202.92	1.0
35UD	Blyth Valley	26.1 Q09	A		95	106.42	108.88	88.09	133.10	92	104.36	105.46	85.01	129.33	1.0
17UC	Bolsover	30.5 Q24	E		84	100.33	102.12	81.45	126.43	81	98.39	98.47	78.20	122.39	1.0
00BL	Bolton	29.4 Q14	B		363	315.53	140.32	126.25	155.52	358	309.41	138.40	124.43	153.51	1.0
32UB	Boston	21.9 Q24	E		97	88.59	133.54	108.29	162.92	96	86.91	132.14	107.03	161.36	1.0
00HN	Bournemouth UA	23.7 Q22	K		255	204.71	151.93	133.85	171.77	246	200.85	146.51	128.77	166.01	1.0
00MA	Bracknell Forest UA	8.6 Q16	J		120	116.85	125.25	103.85	149.77	118	114.55	123.22	101.99	147.57	1.0
00CX	Bradford	32.9 Q12	D		570	516.72	134.54	123.72	146.06	553	506.70	130.55	119.89	141.90	1.0
22UC	Braintree	13.2 Q03	G		157	182.05	105.19	89.37	122.99	157	178.52	105.20	89.39	123.00	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Males										
					CIPS				People						
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57	1.0
33UB	Breckland	14.5 Q01	G		161	199.91	98.23	83.64	114.63	157	196.12	95.76	81.36	111.96	1.0
00AE	Brent	26.0 Q04	H		311	249.56	152.00	135.57	169.87	307	244.73	150.06	133.74	167.82	1.0
22UD	Brentwood	8.9 Q03	G		95	94.97	122.01	98.71	149.15	93	93.16	119.42	96.38	146.30	1.0
39UB	Bridgnorth	12.3 Q26	F		83	84.38	119.97	95.55	148.72	82	82.77	118.51	94.25	147.10	1.0
00ML	Brighton and Hove UA	25.7 Q19	J		228	254.63	109.21	95.49	124.35	224	249.70	107.31	93.71	122.32	1.0
00HB	Bristol, City of UA	27.7 Q20	K		493	406.70	147.85	135.09	161.50	484	398.83	145.16	132.52	158.69	1.0
33UC	Broadland	9.6 Q01	G		155	190.58	99.20	84.19	116.10	153	186.95	97.90	83.00	114.70	1.0
00AF	Bromley	13.2 Q07	H		441	361.30	148.87	135.30	163.44	431	354.36	145.49	132.08	159.90	1.0
47UB	Bromsgrove	10.1 Q28	F		88	132.91	80.76	64.77	99.50	88	130.36	80.75	64.76	99.49	1.0
26UB	Broxbourne	14.7 Q02	G		130	107.70	147.22	123.00	174.82	129	105.63	146.09	121.96	173.58	1.0
37UD	Broxtowe	16.0 Q24	E		88	144.86	74.09	59.42	91.29	88	142.08	74.09	59.42	91.28	1.0
30UD	Burnley	31.8 Q13	B		107	103.40	126.22	103.44	152.53	107	101.40	126.22	103.44	152.53	1.0
00BM	Bury	23.5 Q14	B		268	218.75	149.43	132.07	168.44	265	214.50	147.78	130.52	166.69	1.0
00CY	Calderdale	25.4 Q12	D		203	242.26	102.20	88.62	117.27	202	237.56	101.72	88.17	116.75	1.0
12UB	Cambridge	14.6 Q01	G		53	98.61	65.55	49.10	85.75	53	96.71	65.55	49.10	85.75	1.0
00AG	Camden	34.7 Q05	H		123	169.55	88.48	73.54	105.58	122	166.19	87.81	72.92	104.85	1.0
41UB	Cannock Chase	20.3 Q26	F		135	116.60	141.22	118.40	167.15	133	114.34	139.15	116.50	164.91	1.0
29UC	Canterbury	16.2 Q18	J		206	185.88	135.17	117.34	154.95	203	182.34	133.17	115.48	152.80	1.0
15UB	Caradon	18.4 Q21	K		167	132.45	153.78	131.34	178.96	165	129.91	151.92	129.63	176.96	1.0
16UD	Carlisle	22.2 Q13	B		126	139.00	110.56	92.10	131.64	124	136.33	108.80	90.49	129.72	1.0
15UC	Carrick	19.2 Q21	K		139	134.70	125.86	105.81	148.61	139	132.15	125.82	105.77	148.57	1.0
35UE	Castle Morpeth	15.8 Q09	A		61	80.12	92.86	71.03	119.29	58	78.59	88.28	67.03	114.13	1.1
22UE	Castle Point	12.7 Q03	G		103	132.93	94.50	77.14	114.62	102	130.40	93.57	76.29	113.59	1.0
31UC	Charnwood	12.1 Q25	E		330	198.54	202.73	181.45	225.83	318	194.72	195.35	174.47	218.05	1.0
22UF	Chelmsford	8.6 Q03	G		180	204.58	107.31	92.21	124.19	180	200.63	107.32	92.21	124.20	1.0
23UB	Cheltenham	14.4 Q20	K		119	135.48	107.13	88.75	128.20	119	132.89	107.12	88.74	128.18	1.0
38UB	Cherwell	11.2 Q16	J		132	164.34	97.97	81.97	116.18	129	161.14	95.76	79.95	113.79	1.0
13UB	Chester	17.0 Q15	B		159	156.91	123.60	105.13	144.37	157	153.91	122.02	103.68	142.67	1.0
17UD	Chesterfield	27.1 Q24	E		96	134.14	87.29	70.71	106.60	96	131.56	87.29	70.70	106.60	1.0
20UB	Chester-Le-Street	21.4 Q10	A		72	74.88	117.28	91.76	147.70	72	73.43	117.28	91.76	147.70	1.0
45UD	Chichester	10.7 Q19	J		152	175.14	105.85	89.69	124.08	150	171.84	104.42	88.38	122.53	1.0
11UC	Chiltern	6.2 Q16	J		99	123.17	98.03	79.67	119.35	99	120.81	98.02	79.67	119.34	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Males								
					CIPS				People				Ratio of spells to people
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01 122.93	61345	61345.00	119.62	118.67 120.57	1.0
30UE	Chorley	17.2 Q13	B		148	139.53	129.38	109.37 151.98	147	136.81	128.53	108.59 151.07	1.0
19UC	Christchurch	12.6 Q22	K		96	84.03	139.34	112.86 170.16	91	82.48	131.97	106.25 162.03	1.1
22UG	Colchester	14.6 Q03	G		185	200.60	112.48	96.86 129.91	184	196.73	111.88	96.30 129.26	1.0
13UC	Congleton	9.5 Q15	B		108	133.06	99.00	81.21 119.53	108	130.49	99.00	81.21 119.53	1.0
16UE	Copeland	25.7 Q13	B		125	101.03	150.91	125.61 179.80	125	99.08	150.92	125.62 179.81	1.0
34UB	Corby	27.1 Q25	E		130	64.17	247.10	206.45 293.42	116	62.92	220.52	182.22 264.50	1.1
23UC	Cotswold	8.8 Q20	K		99	128.86	93.70	76.16 114.08	99	126.41	93.68	76.14 114.06	1.0
00CQ	Coventry	28.2 Q28	F		247	329.92	91.31	80.28 103.44	245	323.57	90.57	79.58 102.65	1.0
36UB	Craven	11.9 Q11	D		65	86.80	91.33	70.48 116.41	63	85.14	88.51	68.01 113.25	1.0
45UE	Crawley	14.8 Q19	J		107	109.72	118.95	97.48 143.74	104	107.61	115.61	94.46 140.08	1.0
13UD	Crewe and Nantwich	17.1 Q15	B		137	155.24	107.64	90.37 127.24	136	152.25	106.86	89.65 126.40	1.0
00AH	Croydon	19.9 Q08	H		342	347.45	120.06	107.67 133.48	334	340.67	117.28	105.03 130.55	1.0
26UC	Dacorum	9.5 Q02	G		152	170.25	108.90	92.27 127.65	151	166.96	108.18	91.62 126.88	1.0
00EH	Darlington UA	24.6 Q10	A		132	128.49	125.30	104.84 148.59	132	126.02	125.30	104.83 148.59	1.0
29UD	Dartford	17.2 Q18	J		77	106.31	88.34	69.71 110.41	75	104.26	86.05	67.68 107.86	1.0
34UC	Daventry	10.2 Q25	E		107	102.14	127.77	104.71 154.40	103	100.15	123.02	100.41 149.20	1.0
00FK	Derby UA	27.7 Q24	E		235	277.16	103.41	90.61 117.52	230	271.84	101.21	88.55 115.17	1.0
17UF	Derbyshire Dales	12.5 Q24	E		73	113.42	78.51	61.53 98.71	73	111.24	78.50	61.53 98.70	1.0
20UD	Derwentside	28.2 Q10	A		114	118.41	117.43	96.86 141.07	112	116.12	115.37	94.99 138.82	1.0
00CE	Doncaster	31.5 Q23	D		376	371.21	123.54	111.37 136.68	375	364.06	123.21	111.06 136.34	1.0
29UE	Dover	18.7 Q18	J		146	154.53	115.24	97.30 135.52	144	151.57	113.64	95.84 133.79	1.0
00CR	Dudley	22.1 Q27	F		470	412.11	139.10	126.81 152.27	465	404.20	137.61	125.39 150.71	1.0
20UE	Durham	18.5 Q10	A		121	112.54	131.14	108.81 156.69	121	110.37	131.14	108.82 156.70	1.0
00AJ	Ealing	23.4 Q04	H		393	283.73	168.94	152.65 186.50	390	278.15	167.72	151.48 185.22	1.0
20UF	Easington	41.8 Q10	A		148	124.20	145.34	122.87 170.73	146	121.82	143.37	121.05 168.60	1.0
12UC	East Cambridgeshire	10.6 Q01	G		88	111.82	95.98	76.98 118.26	86	109.67	93.80	75.02 115.84	1.0
18UB	East Devon	12.7 Q21	K		260	230.19	137.77	121.53 155.57	250	225.89	132.39	116.48 149.86	1.0
19UD	East Dorset	8.2 Q22	K		139	157.15	107.88	90.69 127.38	138	154.22	107.04	89.93 126.47	1.0
24UC	East Hampshire	8.1 Q17	J		149	154.14	117.90	99.73 138.43	149	151.17	117.90	99.73 138.43	1.0
26UD	East Hertfordshire	6.3 Q02	G		141	163.92	104.91	88.31 123.73	139	160.74	103.44	86.96 122.14	1.0
32UC	East Lindsey	24.6 Q24	E		221	251.21	107.30	93.62 122.42	217	246.45	105.32	91.78 120.31	1.0
34UD	East Northamptonshire	11.8 Q25	E		154	110.27	170.33	144.49 199.46	139	108.13	153.77	129.26 181.56	1.1

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					CIPS					People				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57
00FB	East Riding of Yorkshire UA	15.3 Q11	D		510	511.30	121.66	111.33	132.69	481	501.50	114.73	104.70	125.45
41UC	East Staffordshire	18.5 Q26	F		198	139.69	172.88	149.63	198.71	187	136.99	163.29	140.72	188.44
21UC	Eastbourne	21.5 Q19	J		115	134.51	104.28	86.09	125.17	113	131.99	102.41	84.40	123.13
24UD	Eastleigh	8.9 Q17	J		143	151.60	115.05	96.97	135.53	143	148.67	115.06	96.97	135.54
16UF	Eden	15.7 Q13	B		76	82.93	111.78	88.06	139.91	73	81.34	107.36	84.15	134.99
13UE	Ellesmere Port and Neston	19.8 Q15	B		130	109.51	144.79	120.97	171.92	130	107.41	144.77	120.95	171.91
43UB	Elmbridge	7.0 Q19	J		116	152.35	92.87	76.74	111.39	115	149.40	92.07	76.01	110.52
00AK	Enfield	23.1 Q05	H		346	296.18	142.48	127.86	158.32	338	290.43	139.21	124.77	154.88
22UH	Epping Forest	13.3 Q03	G		153	160.46	116.30	98.60	136.25	150	157.38	114.01	96.49	133.79
43UC	Epsom and Ewell	6.9 Q19	J		63	87.64	87.68	67.37	112.18	60	85.94	83.51	63.72	107.50
17UG	Erewash	19.3 Q24	E		119	143.94	100.83	83.53	120.66	118	141.16	99.99	82.76	119.75
18UC	Exeter	21.6 Q21	K		160	125.52	155.47	132.31	181.52	156	123.11	151.57	128.72	177.31
24UE	Fareham	7.8 Q17	J		134	159.56	102.43	85.82	121.31	131	156.53	100.11	83.70	118.80
12UD	Fenland	19.8 Q01	G		127	136.72	113.29	94.45	134.80	122	134.11	108.81	90.36	129.93
42UC	Forest Heath	11.1 Q01	G		60	71.92	101.75	77.64	130.98	59	70.54	100.05	76.16	129.07
23UD	Forest of Dean	15.9 Q20	K		119	122.16	118.81	98.42	142.18	117	119.81	116.81	96.60	140.00
30UF	Fylde	13.1 Q13	B		150	122.93	148.83	125.97	174.65	148	120.60	146.80	124.10	172.45
00CH	Gateshead	33.2 Q09	A		187	247.60	92.12	79.39	106.31	179	242.85	88.17	75.72	102.07
37UE	Gedling	16.4 Q24	E		98	154.74	77.24	62.71	94.14	95	151.78	74.87	60.57	91.53
23UE	Gloucester	19.9 Q20	K		155	133.78	141.31	119.94	165.40	150	131.20	136.76	115.75	160.48
24UF	Gosport	16.3 Q17	J		86	99.13	105.82	84.64	130.69	85	97.23	104.57	83.53	129.31
29UG	Gravesham	18.1 Q18	J		92	122.89	91.31	73.60	111.98	90	120.53	89.32	71.82	109.79
33UD	Great Yarmouth	27.7 Q01	G		126	144.21	106.57	88.77	126.88	123	141.46	104.01	86.44	124.10
00AL	Greenwich	31.5 Q07	H		260	194.05	163.42	144.16	184.54	251	190.23	157.83	138.91	178.62
43UD	Guildford	8.3 Q19	J		133	152.74	106.21	88.92	125.87	129	149.80	103.01	86.00	122.40
00AM	Hackney	45.1 Q06	H		139	153.31	110.58	92.96	130.57	136	150.28	108.25	90.82	128.05
00ET	Halton UA	34.3 Q15	B		144	140.25	125.23	105.61	147.44	144	137.51	125.26	105.64	147.47
36UC	Hambleton	10.4 Q11	D		131	136.05	117.44	98.19	139.36	131	133.45	117.42	98.18	139.34
00AN	Hammersmith and Fulham	27.8 Q04	H		136	132.15	125.53	105.31	148.48	135	129.55	124.66	104.51	147.55
31UD	Harborough	7.2 Q25	E		145	117.09	151.05	127.46	177.73	140	114.82	145.85	122.69	172.11
00AP	Haringey	37.7 Q05	H		152	176.04	105.31	89.24	123.45	148	172.54	102.60	86.74	120.53
22UJ	Harlow	21.4 Q03	G		82	85.91	116.42	92.59	144.51	80	84.26	113.58	90.05	141.36

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Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57	1.0
36UD	Harrogate	11.1	Q11	D	140	213.95	79.81	67.14	94.18	139	209.84	79.24	66.61	93.56	1.0
00AQ	Harrow	13.5	Q04	H	253	239.11	129.05	113.64	145.97	250	234.47	127.54	112.22	144.37	1.0
24UG	Hart	4.2	Q17	J	121	109.89	134.30	111.44	160.47	114	107.75	126.56	104.39	152.04	1.1
00EB	Hartlepool UA	37.7	Q10	A	116	112.79	125.44	103.65	150.46	113	110.62	122.20	100.71	146.92	1.0
21UD	Hastings	31.7	Q19	J	100	110.80	110.08	89.56	133.89	99	108.67	108.98	88.57	132.68	1.0
24UH	Havant	20.1	Q17	J	128	171.55	91.01	75.92	108.21	125	168.31	88.84	73.95	105.85	1.0
00AR	Havering	14.8	Q06	H	310	286.64	131.91	117.63	147.44	301	281.15	128.06	114.00	143.38	1.0
00GA	Herefordshire, County of UA	15.7	Q28	F	239	278.33	104.73	91.87	118.89	234	273.03	102.52	89.80	116.53	1.0
26UE	Hertsmere	12.0	Q02	G	117	114.52	124.61	103.06	149.35	116	112.31	123.55	102.09	148.19	1.0
17UH	High Peak	15.1	Q24	E	126	122.20	125.77	104.76	149.74	122	119.83	121.79	101.14	145.42	1.0
00AS	Hillingdon	17.7	Q04	H	243	261.86	113.18	99.40	128.34	243	256.78	113.20	99.41	128.36	1.0
31UE	Hinckley and Bosworth	11.1	Q25	E	192	147.05	159.26	137.52	183.45	181	144.21	150.14	129.06	173.67	1.1
45UF	Horsham	6.7	Q19	J	133	177.57	91.35	76.49	108.27	131	174.16	89.98	75.23	106.77	1.0
00AT	Hounslow	23.3	Q04	H	303	206.05	179.35	159.72	200.73	299	201.99	177.07	157.57	198.32	1.0
12UE	Huntingdonshire	10.2	Q01	G	236	209.61	137.32	120.36	156.01	226	205.53	131.53	114.94	149.85	1.0
30UG	Hyndburn	28.5	Q13	B	100	95.81	127.30	103.57	154.83	96	93.95	122.23	99.00	149.26	1.0
42UD	Ipswich	23.4	Q01	G	161	144.00	136.37	116.12	159.14	159	141.24	134.66	114.54	157.30	1.0
00MW	Isle of Wight UA	21.1	Q17	J	130	223.74	70.87	59.21	84.15	126	219.49	68.67	57.20	81.76	1.0
00AU	Islington	42.7	Q05	H	138	135.35	124.36	104.47	146.92	133	132.67	119.92	100.40	142.12	1.0
46UB	Kennet	10.1	Q20	K	81	104.64	94.42	74.98	117.35	78	102.62	90.92	71.86	113.47	1.0
00AW	Kensington and Chelsea	21.5	Q04	H	94	170.16	67.38	54.45	82.46	93	166.85	66.67	53.81	81.68	1.0
15UD	Kerrier	25.2	Q21	K	153	148.50	125.67	106.54	147.23	149	145.66	122.36	103.50	143.66	1.0
34UE	Kettering	15.3	Q25	E	157	110.61	173.12	147.10	202.42	146	108.46	161.02	135.96	189.36	1.1
33UE	Kings Lynn and West Norfolk	19.1	Q01	G	270	230.30	142.99	126.44	161.11	262	225.95	138.70	122.41	156.56	1.0
00FA	Kingston upon Hull, City of UA	41.1	Q11	D	332	281.46	143.87	128.81	160.21	321	276.01	139.12	124.31	155.20	1.0
00AX	Kingston upon Thames	11.6	Q08	H	126	156.28	98.33	81.91	117.08	124	153.22	96.81	80.52	115.42	1.0
00CZ	Kirklees	26.2	Q12	D	427	461.23	112.92	102.46	124.15	420	452.27	111.08	100.71	122.23	1.0
00BX	Knowsley	46.6	Q15	B	246	168.68	177.88	156.34	201.55	244	165.42	176.44	154.99	200.02	1.0
00AY	Lambeth	34.2	Q07	H	191	194.29	119.90	103.50	138.17	187	190.41	117.48	101.24	135.58	1.0
30UH	Lancaster	22.3	Q13	B	190	172.82	134.09	115.70	154.57	189	169.51	133.37	115.03	153.80	1.0
00DA	Leeds	27.7	Q12	D	707	812.14	106.18	98.49	114.30	698	796.50	104.83	97.19	112.90	1.0
00FN	Leicester UA	32.8	Q25	E	611	277.03	269.01	248.09	291.21	579	271.64	254.97	234.62	276.61	1.1

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Males								
					CIPS				People				Ratio of spells to people
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01 122.93	61345	61345.00	119.62	118.67 120.57	1.0
21UF	Lewes	12.9 Q19	J		138	148.59	113.27	95.16 133.83	132	145.79	108.30	90.61 128.43	1.0
00AZ	Lewisham	28.6 Q07	H		215	203.02	129.16	112.47 147.63	213	198.97	128.06	111.43 146.46	1.0
41UD	Lichfield	12.0 Q26	F		205	145.25	172.14	149.38 197.39	192	142.45	161.22	139.22 185.71	1.1
32UD	Lincoln	27.2 Q24	E		79	96.30	100.06	79.21 124.70	78	94.46	98.78	78.08 123.28	1.0
00BY	Liverpool	49.8 Q15	B		587	473.11	151.33	139.33 164.08	584	463.99	150.56	138.59 163.28	1.0
00KA	Luton UA	23.3 Q02	G		201	196.57	124.72	108.07 143.20	200	192.77	124.10	107.50 142.55	1.0
13UG	Macclesfield	11.1 Q15	B		198	217.88	110.84	95.94 127.40	198	213.71	110.83	95.92 127.39	1.0
29UH	Maldstone	11.5 Q18	J		124	193.37	78.22	65.05 93.26	122	189.63	76.96	63.91 91.89	1.0
22UK	Maldon	10.7 Q03	G		63	91.97	83.55	64.20 106.90	61	90.19	80.90	61.88 103.93	1.0
47UC	Malvern Hills	13.1 Q28	F		81	121.14	81.55	64.76 101.36	80	118.84	80.52	63.85 100.22	1.0
00BN	Manchester	48.9 Q14	B		531	380.56	170.19	156.02 185.30	521	373.14	167.02	152.98 181.99	1.0
37UF	Mansfield	32.5 Q24	E		131	127.42	125.40	104.84 148.80	127	124.96	121.57	101.35 144.65	1.0
00LC	Medway UA	18.0 Q18	J		233	286.97	99.03	86.72 112.60	231	281.37	98.21	85.95 111.72	1.0
31UG	Melton	10.1 Q25	E		90	69.07	158.92	127.79 195.34	87	67.74	153.64	123.05 189.52	1.0
40UB	Mendip	14.5 Q22	K		113	150.78	91.41	75.33 109.90	109	147.88	88.17	72.39 106.36	1.0
00BA	Merton	14.5 Q08	H		155	184.88	102.26	86.79 119.68	153	181.26	100.97	85.60 118.30	1.0
09UC	Mid Bedfordshire	7.7 Q02	G		156	164.13	115.93	98.45 135.61	156	160.92	115.96	98.48 135.65	1.0
18UD	Mid Devon	17.1 Q21	K		118	112.33	128.12	106.05 153.44	113	110.18	122.68	101.11 147.50	1.0
42UE	Mid Suffolk	9.8 Q01	G		149	142.69	127.36	107.73 149.53	148	139.96	126.49	106.93 148.59	1.0
45UG	Mid Sussex	6.4 Q19	J		142	174.05	99.51	83.81 117.29	139	170.70	97.40	81.88 115.01	1.0
00EC	Middlesbrough UA	40.7 Q10	A		178	157.63	137.73	118.24 159.52	176	154.60	136.18	116.80 157.85	1.0
00MG	Milton Keynes UA	15.6 Q16	J		187	237.41	96.07	82.79 110.87	183	232.69	94.07	80.94 108.74	1.0
43UE	Mole Valley	6.2 Q19	J		77	119.76	78.42	61.89 98.02	77	117.47	78.41	61.88 98.00	1.0
24UJ	New Forest	10.4 Q17	J		290	284.05	124.52	110.60 139.71	284	278.71	121.89	108.12 136.92	1.0
37UG	Newark and Sherwood	19.8 Q24	E		143	157.11	111.01	93.56 130.77	138	154.08	107.13	90.00 126.57	1.0
00CJ	Newcastle upon Tyne	34.5 Q09	A		235	293.47	97.67	85.58 110.99	219	287.83	91.01	79.36 103.90	1.1
41UE	Newcastle-under-Lyme	19.9 Q26	F		120	162.81	89.90	74.53 107.50	117	159.68	87.65	72.49 105.05	1.0
00BB	Newham	40.4 Q06	H		310	173.30	218.18	194.57 243.87	305	169.86	214.79	191.36 240.30	1.0
15UE	North Cornwall	22.8 Q21	K		145	139.40	126.87	107.06 149.29	145	136.75	126.84	107.03 149.24	1.0
18UE	North Devon	20.6 Q21	K		180	141.07	155.63	133.72 180.10	178	138.38	153.86	132.09 178.20	1.0
19UE	North Dorset	11.4 Q22	K		77	100.25	93.68	73.93 117.09	75	98.35	91.22	71.75 114.34	1.0
17UJ	North East Derbyshire	18.9 Q24	E		110	149.38	89.81	73.81 108.25	106	146.52	86.54	70.85 104.67	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Males										
					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57	1.0
00FC	North East Lincolnshire UA	29.4 Q11	D		179	203.30	107.39	92.23	124.32	168	199.40	100.78	86.12	117.23	1.1
26UF	North Hertfordshire	10.1 Q02	G		146	154.50	115.26	97.32	135.55	144	151.52	113.68	95.87	133.84	1.0
32UE	North Kesteven	11.5 Q24	E		158	153.82	125.28	106.51	146.41	157	150.89	124.47	105.76	145.53	1.0
00FD	North Lincolnshire UA	21.2 Q11	D		239	223.54	130.40	114.39	148.03	222	219.24	121.13	105.72	138.15	1.1
33UF	North Norfolk	16.9 Q01	G		189	192.28	119.89	103.41	138.26	183	188.68	116.02	99.81	134.10	1.0
39UC	North Shropshire	16.6 Q26	F		72	87.21	100.70	78.79	126.81	71	85.54	99.29	77.54	125.24	1.0
00HC	North Somerset UA	14.1 Q20	K		344	299.52	140.08	125.67	155.69	340	293.81	138.43	124.10	153.95	1.0
00CK	North Tyneside	26.0 Q09	A		213	251.08	103.47	90.04	118.34	197	246.25	95.70	82.80	110.03	1.1
44UB	North Warwickshire	16.4 Q28	F		48	87.30	67.06	49.44	88.92	48	85.61	67.07	49.45	88.92	1.0
31UH	North West Leicestershire	15.9 Q25	E		199	121.89	199.13	172.42	228.80	189	119.53	189.15	163.14	218.12	1.1
46UC	North Wiltshire	8.4 Q20	K		178	169.15	128.35	110.18	148.65	169	165.88	121.87	104.19	141.69	1.1
34UF	Northampton	20.2 Q25	E		208	224.73	112.89	98.07	129.32	201	220.36	109.11	94.54	125.28	1.0
33UG	Norwich	28.3 Q01	G		96	136.14	86.01	69.67	105.03	96	133.53	86.00	69.66	105.02	1.0
00FY	Nottingham UA	41.8 Q24	E		178	257.10	84.44	72.49	97.80	174	252.13	82.55	70.74	95.77	1.0
44UC	Nuneaton and Bedworth	21.2 Q28	F		70	155.85	54.78	42.70	69.21	70	152.84	54.79	42.71	69.22	1.0
31UJ	Oadby and Wigston	9.7 Q25	E		114	75.94	183.09	151.03	219.96	110	74.50	176.62	145.15	212.87	1.0
00BP	Oldham	30.7 Q14	B		281	247.18	138.66	122.92	155.86	276	242.36	136.22	120.62	153.28	1.0
39UD	Oswestry	17.1 Q26	F		42	57.22	89.53	64.52	121.02	42	56.13	89.51	64.51	121.00	1.0
38UC	Oxford	19.7 Q16	J		80	122.33	79.77	63.25	99.28	76	119.98	75.77	59.70	94.84	1.1
30UJ	Pendle	27.6 Q13	B		114	109.13	127.42	105.10	153.07	114	107.01	127.43	105.11	153.08	1.0
15UF	Penwith	29.0 Q21	K		107	105.62	123.56	101.26	149.31	107	103.60	123.54	101.24	149.29	1.0
00JA	Peterborough UA	23.4 Q01	G		216	183.85	143.30	124.82	163.73	215	180.29	142.65	124.22	163.04	1.0
00HG	Plymouth UA	26.2 Q21	K		414	288.52	175.01	158.56	192.71	407	282.98	172.04	155.73	189.60	1.0
00HP	Poole UA	14.3 Q22	K		195	198.11	120.05	103.79	138.14	188	194.36	115.71	99.76	133.48	1.0
00MR	Portsmouth UA	24.9 Q17	J		189	199.82	115.36	99.50	133.04	187	195.96	114.15	98.37	131.73	1.0
30UK	Preston	28.5 Q13	B		176	146.72	146.31	125.49	169.59	176	143.89	146.31	125.49	169.60	1.0
19UG	Purbeck	12.6 Q22	K		40	73.36	66.51	47.51	90.57	39	71.97	64.82	46.09	88.61	1.0
00MC	Reading UA	18.8 Q16	J		113	136.25	101.16	83.37	121.62	111	133.60	99.38	81.75	119.68	1.0
00BC	Redbridge	17.8 Q06	H		339	258.65	159.86	143.29	177.82	334	253.60	157.54	141.10	175.38	1.0
00EE	Redcar and Cleveland UA	30.6 Q10	A		227	192.00	144.20	126.05	164.23	224	188.32	142.28	124.26	162.19	1.0
47UD	Redditch	19.4 Q28	F		75	93.91	97.41	76.62	122.11	75	92.07	97.44	76.64	122.15	1.0
43UF	Reigate and Banstead	9.0 Q19	J		123	162.50	92.32	76.73	110.15	121	159.36	90.83	75.36	108.53	1.0

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					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57	1.0
15UG	Restormel	23.9	Q21	K	170	151.93	136.48	116.73	158.61	167	149.02	134.05	114.49	156.00	1.0
30UL	Ribble Valley	10.3	Q13	B	77	83.63	112.29	88.62	140.35	73	82.02	106.46	83.45	133.86	1.1
00BD	Richmond upon Thames	9.7	Q08	H	144	190.97	91.97	77.56	108.28	143	187.21	91.37	77.01	107.64	1.0
36UE	Richmondshire	12.5	Q11	D	57	65.49	106.16	80.40	137.55	57	64.23	106.16	80.40	137.55	1.0
00BQ	Rochdale	33.7	Q14	B	293	233.06	153.34	136.28	171.94	283	228.53	148.13	131.37	166.44	1.0
22UL	Rochford	8.7	Q03	G	76	117.37	78.97	62.22	98.85	76	115.13	78.96	62.21	98.83	1.0
30UM	Rossendale	24.1	Q13	B	80	82.00	119.00	94.36	148.11	79	80.39	117.55	93.06	146.50	1.0
21UG	Rother	16.2	Q19	J	149	157.60	115.31	97.54	135.38	146	154.66	112.92	95.35	132.80	1.0
00CF	Rotherham	28.2	Q23	D	289	321.59	109.61	97.33	123.00	287	315.37	108.86	96.63	122.21	1.0
44UD	Rugby	13.6	Q28	F	84	123.90	82.69	65.96	102.38	80	121.50	78.76	62.45	98.03	1.1
43UG	Runnymede	7.8	Q19	J	79	101.17	95.25	75.40	118.71	79	99.22	95.24	75.40	118.70	1.0
37UJ	Rushcliffe	9.0	Q24	E	99	145.46	83.01	67.47	101.07	96	142.65	80.50	65.20	98.30	1.0
24UL	Rushmoor	10.4	Q17	J	123	92.20	162.72	135.23	194.14	119	90.39	157.47	130.45	188.44	1.0
00FP	Rutland UA	6.6	Q25	E	72	55.13	159.30	124.64	200.62	69	54.07	152.64	118.76	193.18	1.0
36UF	Ryedale	12.9	Q11	D	81	85.81	115.13	91.43	143.10	80	84.17	113.69	90.15	141.50	1.0
00BR	Salford	38.2	Q14	B	305	248.12	149.93	133.57	167.73	299	243.33	146.98	130.79	164.63	1.0
46UD	Salisbury	11.8	Q20	K	172	161.22	130.12	111.40	151.09	168	158.16	127.06	108.57	147.80	1.0
00CS	Sandwell	35.4	Q27	F	410	329.72	151.67	137.34	167.08	404	323.36	149.45	135.23	164.76	1.0
36UG	Scarborough	24.1	Q11	D	164	167.95	119.10	101.57	138.79	157	164.76	113.99	96.85	133.28	1.0
20UG	Sedgefield	29.1	Q10	A	167	118.71	171.59	146.55	199.68	166	116.42	170.56	145.60	198.57	1.0
40UC	Sedgemoor	17.4	Q22	K	182	166.91	133.00	114.37	153.79	180	163.72	131.52	113.00	152.20	1.0
00CA	Sefton	26.1	Q15	B	444	378.05	143.25	130.23	157.21	439	370.85	141.60	128.66	155.49	1.0
36UH	Selby	13.1	Q11	D	140	109.44	156.03	131.26	184.13	136	107.31	151.60	127.19	179.33	1.0
29UK	Sevenoaks	9.6	Q18	J	143	153.98	113.27	95.47	133.44	143	151.02	113.26	95.46	133.42	1.0
00CG	Sheffield	28.4	Q23	D	511	612.57	101.75	93.11	110.96	509	600.79	101.34	92.73	110.54	1.0
29UL	Shepway	20.8	Q18	J	161	147.39	133.23	113.45	155.48	158	144.58	130.72	111.13	152.77	1.0
39UE	Shrewsbury and Atcham	15.7	Q26	F	102	133.16	93.43	76.18	113.42	101	130.60	92.51	75.35	112.41	1.0
00MD	Slough UA	20.9	Q16	J	176	117.62	182.51	156.54	211.55	175	115.31	181.53	155.63	210.51	1.0
00CT	Solihull	16.4	Q27	F	326	270.66	146.91	131.39	163.75	318	265.48	143.29	127.97	159.93	1.0
09UE	South Bedfordshire	12.3	Q02	G	151	145.60	126.49	107.12	148.35	150	142.78	125.67	106.36	147.47	1.0
11UE	South Bucks	8.1	Q16	J	118	90.75	158.59	131.26	189.92	118	89.01	158.57	131.25	189.90	1.0
12UG	South Cambridgeshire	6.4	Q01	G	135	182.81	90.07	75.52	106.61	130	179.27	86.74	72.47	103.00	1.0

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Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57	1.0
17UK	South Derbyshire	14.8 Q24	E		137	115.78	144.33	121.17	170.62	133	113.52	140.15	117.34	166.09	1.0
00HD	South Gloucestershire UA	9.8 Q20	K		343	325.51	128.52	115.28	142.87	334	319.23	125.15	112.09	139.32	1.0
18UG	South Hams	14.2 Q21	K		129	133.10	118.21	98.69	140.46	127	130.56	116.36	97.00	138.45	1.0
32UF	South Holland	15.3 Q24	E		148	134.87	133.85	113.15	157.23	143	132.32	129.28	108.95	152.29	1.0
32UG	South Kesteven	12.2 Q24	E		204	183.04	135.93	117.92	155.92	201	179.53	133.93	116.05	153.78	1.0
16UG	South Lakeland	12.0 Q13	B		168	172.87	118.53	101.28	137.88	168	169.58	118.50	101.26	137.84	1.0
33UH	South Norfolk	10.7 Q01	G		148	187.05	96.51	81.59	113.37	141	183.48	91.92	77.38	108.41	1.0
34UG	South Northamptonshire	6.6 Q25	E		86	116.74	89.85	71.87	110.97	83	114.46	86.74	69.09	107.53	1.0
38UD	South Oxfordshire	7.7 Q16	J		97	170.31	69.47	56.33	84.75	96	167.02	68.75	55.69	83.96	1.0
30UN	South Ribble	14.0 Q13	B		200	142.63	171.03	148.15	196.45	196	139.87	167.62	144.97	192.80	1.0
39UF	South Shropshire	15.5 Q26	F		57	76.62	90.74	68.72	117.56	57	75.17	90.70	68.69	117.51	1.0
40UD	South Somerset	13.7 Q22	K		203	239.03	103.58	89.82	118.86	199	234.49	101.51	87.90	116.64	1.0
41UF	South Staffordshire	11.7 Q26	F		175	161.89	131.84	113.03	152.89	174	158.78	131.08	112.33	152.08	1.0
00CL	South Tyneside	33.1 Q09	A		191	195.16	119.37	103.04	137.55	186	191.42	116.23	100.13	134.19	1.0
00MS	Southampton UA	23.7 Q17	J		199	227.60	106.64	92.34	122.54	199	223.20	106.65	92.34	122.54	1.0
00KF	Southend-On-Sea UA	21.7 Q03	G		178	203.79	106.53	91.46	123.39	176	199.89	105.32	90.33	122.08	1.0
00BE	Southwark	35.4 Q07	H		185	207.55	108.72	93.61	125.56	181	203.42	106.43	91.49	123.12	1.0
43UH	Spelthorne	10.4 Q19	J		134	118.13	138.36	115.92	163.87	133	115.86	137.32	114.97	162.74	1.0
26UG	St. Albans	7.7 Q02	G		137	154.45	108.19	90.83	127.90	135	151.46	106.62	89.39	126.20	1.0
42UF	St. Edmundsbury	11.5 Q01	G		151	141.49	130.17	110.23	152.67	150	138.77	129.30	109.43	151.73	1.0
00BZ	St. Helens	32.0 Q15	B		275	229.31	146.27	129.49	164.62	272	224.88	144.69	128.00	162.94	1.0
41UG	Stafford	12.9 Q26	F		170	178.79	115.97	99.19	134.78	170	175.35	115.97	99.19	134.77	1.0
41UH	Staffordshire Moorlands	16.5 Q26	F		125	147.85	103.12	85.84	122.87	124	145.00	102.29	85.08	121.96	1.0
26UH	Stevenage	15.6 Q02	G		88	87.02	123.35	98.92	151.97	86	85.33	120.55	96.42	148.89	1.0
00BS	Stockport	18.1 Q14	B		399	363.55	133.86	121.05	147.66	392	356.55	131.51	118.81	145.20	1.0
00EF	Stockton-On-Tees UA	26.3 Q10	A		300	228.91	159.85	142.27	179.00	298	224.47	158.80	141.28	177.90	1.0
00GL	Stoke-On-Trent UA	35.3 Q26	F		288	285.39	123.08	109.28	138.15	283	279.88	120.95	107.27	135.90	1.0
44UE	Stratford-On-Avon	8.8 Q28	F		120	183.11	79.93	66.27	95.58	117	179.60	77.93	64.45	93.39	1.0
23UF	Stroud	10.2 Q20	K		154	157.38	119.35	101.24	139.76	149	154.35	115.47	97.67	135.57	1.0
42UG	Suffolk Coastal	11.5 Q01	G		218	197.81	134.42	117.16	153.50	214	194.06	131.91	114.82	150.82	1.0
00CM	Sunderland	34.2 Q09	A		455	349.28	158.89	144.62	174.18	450	342.54	157.14	142.96	172.36	1.0
43UJ	Surrey Heath	4.9 Q19	J		93	102.73	110.42	89.12	135.27	92	100.73	109.25	88.07	133.98	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Males										
					CIPS				People						
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57	1.0
00BF	Sutton	13.3 Q08	H		175	198.83	107.35	92.03	124.49	173	194.95	106.15	90.92	123.20	1.0
29UM	Swale	20.9 Q18	J		138	168.94	99.63	83.70	117.71	134	165.67	96.75	81.07	114.59	1.0
00HX	Swindon UA	17.2 Q20	K		231	222.25	126.77	110.95	144.22	227	217.92	124.60	108.92	141.91	1.0
00BT	Tameside	29.8 Q14	B		346	256.09	164.79	147.88	183.10	341	251.11	162.44	145.66	180.63	1.0
41UK	Tamworth	19.7 Q26	F		89	90.56	119.87	96.27	147.52	88	88.78	118.56	95.09	146.07	1.0
43UK	Tandridge	8.3 Q19	J		107	108.92	119.81	98.19	144.78	106	106.83	118.69	97.17	143.55	1.0
40UE	Taunton Deane	16.3 Q22	K		141	149.96	114.68	96.53	135.25	137	147.11	111.39	93.52	131.69	1.0
20UH	Teesdale	16.4 Q10	A		32	38.71	100.82	68.95	142.34	32	37.97	100.81	68.94	142.32	1.0
18UH	Teignbridge	17.0 Q21	K		163	198.55	100.13	85.35	116.74	162	194.79	99.48	84.75	116.04	1.0
00GF	Telford and Wrekin UA	21.8 Q26	F		190	190.46	121.68	104.99	140.26	186	186.74	119.14	102.64	137.55	1.0
22UN	Tendring	23.1 Q03	G		233	252.91	112.37	98.40	127.76	233	248.18	112.30	98.34	127.69	1.0
24UN	Test Valley	8.7 Q17	J		115	151.94	92.32	76.21	110.81	115	149.01	92.32	76.22	110.81	1.0
23UG	Tewkesbury	10.1 Q20	K		111	116.51	116.20	95.59	139.93	108	114.29	113.04	92.73	136.48	1.0
29UN	Thanet	25.6 Q18	J		208	183.93	137.93	119.82	158.00	206	180.44	136.56	118.55	156.54	1.0
26UJ	Three Rivers	9.4 Q02	G		113	108.30	127.26	104.88	153.00	112	106.22	126.13	103.86	151.77	1.0
00KG	Thurrock UA	21.2 Q03	G		169	162.83	126.59	108.22	147.18	169	159.63	126.64	108.26	147.24	1.0
29UP	Tonbridge and Malling	9.6 Q18	J		114	149.34	93.11	76.80	111.85	114	146.45	93.11	76.80	111.86	1.0
00HH	Torbay UA	23.7 Q21	K		155	205.90	91.82	77.93	107.47	154	202.01	91.19	77.36	106.79	1.0
18UK	Torridge	21.4 Q21	K		104	109.98	115.34	94.24	139.76	102	107.88	113.10	92.22	137.29	1.0
00BG	Tower Hamlets	45.9 Q06	H		186	141.28	160.58	138.33	185.39	182	138.47	157.22	135.21	181.80	1.0
00BU	Trafford	20.2 Q14	B		312	254.16	149.73	133.57	167.30	308	249.26	147.81	131.76	165.27	1.0
29UQ	Tunbridge Wells	10.5 Q18	J		117	135.06	105.66	87.38	126.63	114	132.45	102.96	84.92	123.68	1.0
35UF	Tynedale	15.5 Q09	A		50	92.00	66.29	49.19	87.39	49	90.23	64.96	48.05	85.88	1.0
22UQ	Uttlesford	6.7 Q03	G		72	99.99	87.82	68.71	110.60	71	98.06	86.61	67.64	109.25	1.0
38UE	Vale of White Horse	6.9 Q16	J		108	156.49	84.17	69.05	101.63	104	153.48	81.05	66.23	98.21	1.0
13UH	Vale Royal	17.1 Q15	B		156	171.39	111.02	94.28	129.87	156	168.07	111.03	94.29	129.89	1.0
00DB	Wakefield	29.1 Q12	D		440	407.01	131.86	119.82	144.77	431	399.11	129.18	117.27	141.97	1.0
00CU	Walsall	29.4 Q27	F		428	318.84	163.72	148.58	180.00	423	312.73	161.80	146.74	177.98	1.0
00BH	Waltham Forest	30.2 Q06	H		247	188.04	160.21	140.85	181.49	240	184.34	155.74	136.66	176.74	1.0
00BJ	Wandsworth	20.9 Q08	H		178	197.11	110.15	94.56	127.57	175	193.22	108.34	92.88	125.64	1.0
35UG	Wansbeck	30.5 Q09	A		58	84.29	83.92	63.72	108.49	56	82.67	81.03	61.20	105.22	1.0
00EU	Warrington UA	19.4 Q15	B		245	243.28	122.83	107.93	139.21	242	238.54	121.35	106.54	137.65	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Males										
					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				62550	62550.00	121.97	121.01	122.93	61345	61345.00	119.62	118.67	120.57	1.0
44UF	Warwick	12.6	Q28	F	118	168.59	85.37	70.66	102.23	118	165.34	85.37	70.66	102.23	1.0
26UK	Watford	14.5	Q02	G	91	85.36	130.03	104.69	159.65	89	83.69	127.21	102.15	156.54	1.0
42UH	Waveney	21.8	Q01	G	159	181.49	106.86	90.89	124.82	158	178.06	106.14	90.24	124.04	1.0
43UL	Waverley	6.2	Q19	J	126	156.33	98.30	81.89	117.04	122	153.34	95.17	79.03	113.64	1.0
21UH	Wealden	9.4	Q19	J	186	226.71	100.07	86.20	115.53	184	222.41	98.96	85.18	114.34	1.0
20UJ	Wear Valley	32.6	Q10	A	98	87.02	137.35	111.51	167.39	97	85.35	135.95	110.25	165.85	1.0
34UH	Wellingborough	17.5	Q25	E	125	93.89	162.39	135.17	193.48	117	92.06	152.02	125.72	182.19	1.1
26UL	Welwyn Hatfield	12.6	Q02	G	131	121.60	131.40	109.86	155.93	130	119.27	130.38	108.93	154.82	1.0
00MB	West Berkshire UA	7.9	Q16	J	129	184.61	85.23	71.15	101.27	125	181.02	82.60	68.76	98.42	1.0
18UL	West Devon	16.3	Q21	K	110	85.52	156.89	128.94	189.09	106	83.88	151.17	123.76	182.83	1.0
19UH	West Dorset	13.3	Q22	K	116	166.13	85.16	70.37	102.15	112	163.01	82.19	67.67	98.89	1.0
30UP	West Lancashire	21.1	Q13	B	160	152.60	127.88	108.83	149.31	159	149.67	127.08	108.09	148.44	1.0
32UH	West Lindsey	17.7	Q24	E	108	136.75	96.33	79.02	116.30	108	134.13	96.31	79.01	116.28	1.0
38UF	West Oxfordshire	6.3	Q16	J	78	134.86	70.54	55.76	88.04	78	132.27	70.54	55.76	88.04	1.0
40UF	West Somerset	22.1	Q22	K	64	66.41	117.54	90.52	150.10	63	65.17	115.64	88.86	147.96	1.0
46UF	West Wiltshire	12.0	Q20	K	186	175.71	129.11	111.22	149.06	182	172.35	126.31	108.63	146.06	1.0
00BK	Westminster	31.7	Q04	H	156	222.08	85.68	72.76	100.23	154	217.72	84.61	71.77	99.08	1.0
19UJ	Weymouth and Portland	21.2	Q22	K	70	94.23	90.61	70.63	114.48	68	92.43	88.01	68.34	111.57	1.0
00BW	Wigan	29.3	Q14	B	490	388.54	153.82	140.50	168.06	482	380.98	151.34	138.13	165.47	1.0
24UP	Winchester	7.0	Q17	J	105	149.63	85.59	70.00	103.61	104	146.77	84.76	69.26	102.71	1.0
00ME	Windsor and Maidenhead UA	8.2	Q16	J	187	168.75	135.16	116.48	155.98	187	165.49	135.17	116.49	155.99	1.0
00CB	Wirral	30.1	Q15	B	442	407.33	132.35	120.30	145.28	436	399.53	130.54	118.57	143.39	1.0
43UM	Woking	7.3	Q19	J	85	102.69	100.95	80.63	124.83	85	100.71	100.96	80.64	124.85	1.0
00MF	Wokingham UA	5.1	Q16	J	137	186.12	89.78	75.38	106.14	133	182.49	87.18	72.99	103.32	1.0
00CW	Wolverhampton	32.2	Q27	F	321	284.14	137.79	123.13	153.72	315	278.71	135.19	120.67	150.98	1.0
47UE	Worcester	17.7	Q28	F	54	106.64	61.76	46.40	80.59	53	104.57	60.63	45.41	79.30	1.0
45UH	Worthing	15.7	Q19	J	115	135.98	103.15	85.16	123.82	114	133.41	102.22	84.32	122.80	1.0
47UF	Wychavon	11.3	Q28	F	116	179.57	78.79	65.10	94.50	115	176.13	78.10	64.48	93.75	1.0
11UF	Wycombe	9.7	Q16	J	163	195.65	101.62	86.61	118.47	160	191.86	99.75	84.89	116.46	1.0
30UQ	Wyre	17.8	Q13	B	208	174.01	145.79	126.65	167.01	205	170.72	143.63	124.64	164.70	1.0
47UG	Wyre Forest	17.8	Q28	F	95	148.24	78.16	63.24	95.55	94	145.39	77.34	62.50	94.65	1.0
00FF	York UA	14.5	Q11	D	263	231.84	138.36	122.14	156.13	256	227.41	134.66	118.67	152.21	1.0

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Males

Local authority	95% Confidence interval		indirect rate per 100,000
Leicester UA	248.09	291.21	269.01
Corby	206.45	293.42	247.10
Newham	194.57	243.87	218.18
Charnwood	181.45	225.83	202.73
North West Leicestershire	172.42	228.80	199.13
Blackpool UA	163.31	206.30	183.87
Oadby and Wigston	151.03	219.96	183.09
Slough UA	156.54	211.55	182.51
Hounslow	159.72	200.73	179.35
Knowsley	156.34	201.55	177.88
Plymouth UA	158.56	192.71	175.01
Kettering	147.10	202.42	173.12
East Staffordshire	149.63	198.71	172.88
Lichfield	149.38	197.39	172.14
Sedgefield	146.55	199.68	171.59
South Ribble	148.15	196.45	171.03
East Northamptonshire	144.49	199.46	170.33
Manchester	156.02	185.30	170.19
Ealing	152.65	186.50	168.94
Tameside	147.88	183.10	164.79
Blackburn with Darwen UA	141.71	189.03	164.11
Walsall	148.58	180.00	163.72
Greenwich	144.16	184.54	163.42
Rushmoor	135.23	194.14	162.72
Wellingborough	135.17	193.48	162.39
Tower Hamlets	138.33	185.39	160.58
Waltham Forest	140.85	181.49	160.21
Redbridge	143.29	177.82	159.86
Stockton-On-Tees UA	142.27	179.00	159.85
Rutland UA	124.64	200.62	159.30
Hinckley and Bosworth	137.52	183.45	159.26
Melton	127.79	195.34	158.92
Sunderland	144.62	174.18	158.89
South Bucks	131.26	189.92	158.59
Blaby	134.69	184.23	158.02
West Devon	128.94	189.09	156.89
Barking and Dagenham	134.93	180.41	156.45
Selby	131.26	184.13	156.03
North Devon	133.72	180.10	155.63
Exeter	132.31	181.52	155.47
Wigan	140.50	168.06	153.82
Caradon	131.34	178.96	153.78
Rochdale	136.28	171.94	153.34
Brent	135.57	169.87	152.00
Bournemouth UA	133.85	171.77	151.93
Sandwell	137.34	167.08	151.67
Liverpool	139.33	164.08	151.33
Harborough	127.46	177.73	151.05
Copeland	125.61	179.80	150.91
Salford	133.57	167.73	149.93
Trafford	133.57	167.30	149.73
Bury	132.07	168.44	149.43
Bromley	135.30	163.44	148.87
Fylde	125.97	174.65	148.83
Bristol, City of UA	135.09	161.50	147.85
Broxbourne	123.00	174.82	147.22
Solihull	131.39	163.75	146.91
Preston	125.49	169.59	146.31
St. Helens	129.49	164.62	146.27
Wyre	126.65	167.01	145.79

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
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Local authority	95% Confidence interval		indirect rate per 100,000
Easington	122.87	170.73	145.34
Bedford	126.51	165.33	144.95
Ellesmere Port and Neston	120.97	171.92	144.79
South Derbyshire	121.17	170.62	144.33
Redcar and Cleveland UA	126.05	164.23	144.20
Kingston upon Hull, City of UA	128.81	160.21	143.87
Peterborough UA	124.82	163.73	143.30
Sefton	130.23	157.21	143.25
Kings Lynn and West Norfolk	126.44	161.11	142.99
Enfield	127.86	158.32	142.48
Birmingham	134.12	150.71	142.23
Gloucester	119.94	165.40	141.31
Cannock Chase	118.40	167.15	141.22
Bolton	126.25	155.52	140.32
North Somerset UA	125.67	155.69	140.08
Christchurch	112.86	170.16	139.34
Dudley	126.81	152.27	139.10
Oldham	122.92	155.86	138.66
York UA	122.14	156.13	138.36
Spelthorne	115.92	163.87	138.36
Thanet	119.82	158.00	137.93
Wolverhampton	123.13	153.72	137.79
East Devon	121.53	155.57	137.77
Middlesbrough UA	118.24	159.52	137.73
Wear Valley	111.51	167.39	137.35
Huntingdonshire	120.36	156.01	137.32
Restormel	116.73	158.61	136.48
Ipswich	116.12	159.14	136.37
South Kesteven	117.92	155.92	135.93
Canterbury	117.34	154.95	135.17
Windsor and Maidenhead UA	116.48	155.98	135.16
Bradford	123.72	146.06	134.54
Suffolk Coastal	117.16	153.50	134.42
Hart	111.44	160.47	134.30
Lancaster	115.70	154.57	134.09
Stockport	121.05	147.66	133.86
Barrow-In-Furness	109.69	161.74	133.85
South Holland	113.15	157.23	133.85
Boston	108.29	162.92	133.54
Shepway	113.45	155.48	133.23
Sedgemoor	114.37	153.79	133.00
Basildon	115.74	151.92	132.92
Wirral	120.30	145.28	132.35
Havering	117.63	147.44	131.91
Wakefield	119.82	144.77	131.86
South Staffordshire	113.03	152.89	131.84
Welwyn Hatfield	109.86	155.93	131.40
Durham	108.81	156.69	131.14
North Lincolnshire UA	114.39	148.03	130.40
St. Edmundsbury	110.23	152.67	130.17
Salisbury	111.40	151.09	130.12
Watford	104.69	159.65	130.03
Chorley	109.37	151.98	129.38
Lewisham	112.47	147.63	129.16
West Wiltshire	111.22	149.06	129.11
Harrow	113.64	145.97	129.05
South Gloucestershire UA	115.28	142.87	128.52
Ashford	108.85	150.43	128.39
North Wiltshire	110.18	148.65	128.35
Mid Devon	106.05	153.44	128.12

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
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Local authority	95% Confidence interval		indirect rate per 100,000
West Lancashire	108.83	149.31	127.88
Daventry	104.71	154.40	127.77
Babergh	107.17	150.90	127.65
Pendle	105.10	153.07	127.42
Mid Suffolk	107.73	149.53	127.36
Hyndburn	103.57	154.83	127.30
Three Rivers	104.88	153.00	127.26
North Cornwall	107.06	149.29	126.87
Swindon UA	110.95	144.22	126.77
Thurrock UA	108.22	147.18	126.59
South Bedfordshire	107.12	148.35	126.49
Bexley	111.78	142.43	126.42
Burnley	103.44	152.53	126.22
Carrick	105.81	148.61	125.86
High Peak	104.76	149.74	125.77
Kerrier	106.54	147.23	125.67
Hammersmith and Fulham	105.31	148.48	125.53
Hartlepool UA	103.65	150.46	125.44
Mansfield	104.84	148.80	125.40
Darlington UA	104.84	148.59	125.30
North Kesteven	106.51	146.41	125.28
Bracknell Forest UA	103.85	149.77	125.25
Halton UA	105.61	147.44	125.23
Luton UA	108.07	143.20	124.72
Hertsmere	103.06	149.35	124.61
New Forest	110.60	139.71	124.52
Islington	104.47	146.92	124.36
Chester	105.13	144.37	123.60
Penwith	101.26	149.31	123.56
Doncaster	111.37	136.68	123.54
Stevenage	98.92	151.97	123.35
Stoke-On-Trent UA	109.28	138.15	123.08
Warrington UA	107.93	139.21	122.83
Brentwood	98.71	149.15	122.01
Bath and North East Somerset	106.28	139.23	121.93
Barnsley	108.11	136.73	121.79
Telford and Wrekin UA	104.99	140.26	121.68
East Riding of Yorkshire UA	111.33	132.69	121.66
Adur	97.30	149.85	121.49
Croydon	107.67	133.48	120.06
Poole UA	103.79	138.14	120.05
Bridgnorth	95.55	148.72	119.97
Lambeth	103.50	138.17	119.90
North Norfolk	103.41	138.26	119.89
Tamworth	96.27	147.52	119.87
Tandridge	98.19	144.78	119.81
South Tyneside	103.04	137.55	119.37
Stroud	101.24	139.76	119.35
Scarborough	101.57	138.79	119.10
Rossendale	94.36	148.11	119.00
Crawley	97.48	143.74	118.95
Forest of Dean	98.42	142.18	118.81
South Lakeland	101.28	137.88	118.53
South Hams	98.69	140.46	118.21
East Hampshire	99.73	138.43	117.90
West Somerset	90.52	150.10	117.54
Hambleton	98.19	139.36	117.44
Derwentside	96.86	141.07	117.43
Chester-Le-Street	91.76	147.70	117.28
Harlow	92.59	144.51	116.42

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
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Local authority	95% Confidence interval		indirect rate per 100,000
Epping Forest	98.60	136.25	116.30
Tewkesbury	95.59	139.93	116.20
Arun	101.64	131.96	116.06
Stafford	99.19	134.78	115.97
Mid Bedfordshire	98.45	135.61	115.93
Portsmouth UA	99.50	133.04	115.36
Torridge	94.24	139.76	115.34
Rother	97.54	135.38	115.31
North Hertfordshire	97.32	135.55	115.26
Dover	97.30	135.52	115.24
Ryedale	91.43	143.10	115.13
Eastleigh	96.97	135.53	115.05
Taunton Deane	96.53	135.25	114.68
Fenland	94.45	134.80	113.29
Sevenoaks	95.47	133.44	113.27
Lewes	95.16	133.83	113.27
Hillingdon	99.40	128.34	113.18
Kirklees	102.46	124.15	112.92
Northampton	98.07	129.32	112.89
Barnet	100.50	125.56	112.51
Colchester	96.86	129.91	112.48
Tendring	98.40	127.76	112.37
Ribble Valley	88.62	140.35	112.29
Eden	88.06	139.91	111.78
Vale Royal	94.28	129.87	111.02
Newark and Sherwood	93.56	130.77	111.01
Macclesfield	95.94	127.40	110.84
Hackney	92.96	130.57	110.58
Carlisle	92.10	131.64	110.56
Surrey Heath	89.12	135.27	110.42
Ashfield	92.51	130.43	110.26
Wandsworth	94.56	127.57	110.15
Hastings	89.56	133.89	110.08
Rotherham	97.33	123.00	109.61
Brighton and Hove UA	95.49	124.35	109.21
Dacorum	92.27	127.65	108.90
Blyth Valley	88.09	133.10	108.88
Basingstoke and Deane	93.12	126.41	108.82
Southwark	93.61	125.56	108.72
St. Albans	90.83	127.90	108.19
East Dorset	90.69	127.38	107.88
Crewe and Nantwich	90.37	127.24	107.64
North East Lincolnshire UA	92.23	124.32	107.39
Sutton	92.03	124.49	107.35
Chelmsford	92.21	124.19	107.31
East Lindsey	93.62	122.42	107.30
Cheltenham	88.75	128.20	107.13
Waveney	90.89	124.82	106.86
Southampton UA	92.34	122.54	106.64
Great Yarmouth	88.77	126.88	106.57
Southend-On-Sea UA	91.46	123.39	106.53
Amber Valley	89.80	124.92	106.28
Guildford	88.92	125.87	106.21
Leeds	98.49	114.30	106.18
Richmondshire	80.40	137.55	106.16
Chichester	89.69	124.08	105.85
Gosport	84.64	130.69	105.82
Tunbridge Wells	87.38	126.63	105.66
Allerdale	87.62	125.99	105.52
Haringey	89.24	123.45	105.31

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
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Local authority	95% Confidence interval		indirect rate per 100,000
Braintree	89.37	122.99	105.19
East Hertfordshire	88.31	123.73	104.91
Herefordshire, County of UA	91.87	118.89	104.73
Bassetlaw	87.57	123.79	104.52
Eastbourne	86.09	125.17	104.28
South Somerset	89.82	118.86	103.58
North Tyneside	90.04	118.34	103.47
Derby UA	90.61	117.52	103.41
Worthing	85.16	123.82	103.15
Staffordshire Moorlands	85.84	122.87	103.12
Fareham	85.82	121.31	102.43
Merton	86.79	119.68	102.26
Calderdale	88.62	117.27	102.20
Bolsover	81.45	126.43	102.12
Forest Heath	77.64	130.98	101.75
Sheffield	93.11	110.96	101.75
Wycombe	86.61	118.47	101.62
Reading UA	83.37	121.62	101.16
Woking	80.63	124.83	100.95
Erewash	83.53	120.66	100.83
Teesdale	68.95	142.34	100.82
North Shropshire	78.79	126.81	100.70
Teignbridge	85.35	116.74	100.13
Wealden	86.20	115.53	100.07
Lincoln	79.21	124.70	100.06
Swale	83.70	117.71	99.63
Mid Sussex	83.81	117.29	99.51
Broadland	84.19	116.10	99.20
Medway UA	86.72	112.60	99.03
Congleton	81.21	119.53	99.00
Kingston upon Thames	81.91	117.08	98.33
Waverley	81.89	117.04	98.30
Breckland	83.64	114.63	98.23
Chiltern	79.67	119.35	98.03
Cherwell	81.97	116.18	97.97
Newcastle upon Tyne	85.58	110.99	97.67
Redditch	76.62	122.11	97.41
South Norfolk	81.59	113.37	96.51
West Lindsey	79.02	116.30	96.33
Milton Keynes UA	82.79	110.87	96.07
East Cambridgeshire	76.98	118.26	95.98
Runnymede	75.40	118.71	95.25
Castle Point	77.14	114.62	94.50
Kennet	74.98	117.35	94.42
Cotswold	76.16	114.08	93.70
North Dorset	73.93	117.09	93.68
Shrewsbury and Atcham	76.18	113.42	93.43
Tonbridge and Malling	76.80	111.85	93.11
Elmbridge	76.74	111.39	92.87
Castle Morpeth	71.03	119.29	92.86
Reigate and Banstead	76.73	110.15	92.32
Test Valley	76.21	110.81	92.32
Gateshead	79.39	106.31	92.12
Richmond upon Thames	77.56	108.28	91.97
Torbay UA	77.93	107.47	91.82
Mendip	75.33	109.90	91.41
Horsham	76.49	108.27	91.35
Craven	70.48	116.41	91.33
Coventry	80.28	103.44	91.31
Gravesham	73.60	111.98	91.31

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
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Local authority	95% Confidence interval		indirect rate per 100,000
Havant	75.92	108.21	91.01
South Shropshire	68.72	117.56	90.74
Weymouth and Portland	70.63	114.48	90.61
South Cambridgeshire	75.52	106.61	90.07
Newcastle-under-Lyme	74.53	107.50	89.90
South Northamptonshire	71.87	110.97	89.85
North East Derbyshire	73.81	108.25	89.81
Wokingham UA	75.38	106.14	89.78
Oswestry	64.52	121.02	89.53
Camden	73.54	105.58	88.48
Dartford	69.71	110.41	88.34
Uttlesford	68.71	110.60	87.82
Epsom and Ewell	67.37	112.18	87.68
Chesterfield	70.71	106.60	87.29
Norwich	69.67	105.03	86.01
Westminster	72.76	100.23	85.68
Winchester	70.00	103.61	85.59
Warwick	70.66	102.23	85.37
West Berkshire UA	71.15	101.27	85.23
West Dorset	70.37	102.15	85.16
Nottingham UA	72.49	97.80	84.44
Vale of White Horse	69.05	101.63	84.17
Wansbeck	63.72	108.49	83.92
Maldon	64.20	106.90	83.55
Rushcliffe	67.47	101.07	83.01
Rugby	65.96	102.38	82.69
Malvern Hills	64.76	101.36	81.55
Bromsgrove	64.77	99.50	80.76
Stratford-On-Avon	66.27	95.58	79.93
Harrogate	67.14	94.18	79.81
Oxford	63.25	99.28	79.77
Rochford	62.22	98.85	78.97
Wychavon	65.10	94.50	78.79
Derbyshire Dales	61.53	98.71	78.51
Mole Valley	61.89	98.02	78.42
Maidstone	65.05	93.26	78.22
Wyre Forest	63.24	95.55	78.16
Gedling	62.71	94.14	77.24
Alnwick	51.28	104.65	74.51
Broxtowe	59.42	91.29	74.09
Isle of Wight UA	59.21	84.15	70.87
West Oxfordshire	55.76	88.04	70.54
South Oxfordshire	56.33	84.75	69.47
Kensington and Chelsea	54.45	82.46	67.38
North Warwickshire	49.44	88.92	67.06
Purbeck	47.51	90.57	66.51
Tynedale	49.19	87.39	66.29
Cambridge	49.10	85.75	65.55
Worcester	46.40	80.59	61.76
Aylesbury Vale	45.01	68.01	55.63
Nuneaton and Bedworth	42.70	69.21	54.78
Berwick-upon-Tweed	26.00	71.47	44.64

Coronary revascularisation :
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Local authority	95% Confidence interval	indirect rate per 100,000
Leicester UA	234.62 276.61	254.97
Corby	182.22 264.50	220.52
Newham	191.36 240.30	214.79
Charnwood	174.47 218.05	195.35
North West Leicestershire	163.14 218.12	189.15
Slough UA	155.63 210.51	181.53
Blackpool UA	160.31 202.92	180.68
Hounslow	157.57 198.32	177.07
Oadby and Wigston	145.15 212.87	176.62
Knowsley	154.99 200.02	176.44
Plymouth UA	155.73 189.60	172.04
Sedgefield	145.60 198.57	170.56
Ealing	151.48 185.22	167.72
South Ribble	144.97 192.80	167.62
Manchester	152.98 181.99	167.02
Blackburn with Darwen UA	140.95 188.16	163.29
East Staffordshire	140.72 188.44	163.29
Tameside	145.66 180.63	162.44
Walsall	146.74 177.98	161.80
Lichfield	139.22 185.71	161.22
Kettering	135.96 189.36	161.02
Stockton-On-Tees UA	141.28 177.90	158.80
South Bucks	131.25 189.90	158.57
Greenwich	138.91 178.62	157.83
Redbridge	141.10 175.38	157.54
Rushmoor	130.45 188.44	157.47
Tower Hamlets	135.21 181.80	157.22
Sunderland	142.96 172.36	157.14
Waltham Forest	136.66 176.74	155.74
Blaby	132.00 181.09	155.11
Barking and Dagenham	132.66 177.79	154.00
North Devon	132.09 178.20	153.86
East Northamptonshire	129.26 181.56	153.77
Melton	123.05 189.52	153.64
Rutland UA	118.76 193.18	152.64
Wellingborough	125.72 182.19	152.02
Caradon	129.63 176.96	151.92
Selby	127.19 179.33	151.60
Exeter	128.72 177.31	151.57
Wigan	138.13 165.47	151.34
West Devon	123.76 182.83	151.17
Copeland	125.62 179.81	150.92
Liverpool	138.59 163.28	150.56
Hinckley and Bosworth	129.06 173.67	150.14
Brent	133.74 167.82	150.06
Sandwell	135.23 164.76	149.45
Rochdale	131.37 166.44	148.13
Trafford	131.76 165.27	147.81
Bury	130.52 166.69	147.78
Salford	130.79 164.63	146.98
Fylde	124.10 172.45	146.80
Bournemouth UA	128.77 166.01	146.51
Preston	125.49 169.60	146.31
Broxbourne	121.96 173.58	146.09
Harborough	122.69 172.11	145.85
Bromley	132.08 159.90	145.49
Bristol, City of UA	132.52 158.69	145.16
Ellesmere Port and Neston	120.95 171.91	144.77
St. Helens	128.00 162.94	144.69
Bedford	125.30 163.95	143.66

Coronary revascularisation :
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Local authority	95% Confidence interval		indirect rate per 100,000
Wyre	124.64	164.70	143.63
Easington	121.05	168.60	143.37
Solihull	127.97	159.93	143.29
Peterborough UA	124.22	163.04	142.65
Redcar and Cleveland UA	124.26	162.19	142.28
Sefton	128.66	155.49	141.60
South Derbyshire	117.34	166.09	140.15
Birmingham	131.83	148.28	139.87
Enfield	124.77	154.88	139.21
Cannock Chase	116.50	164.91	139.15
Kingston upon Hull, City of UA	124.31	155.20	139.12
Kings Lynn and West Norfolk	122.41	156.56	138.70
North Somerset UA	124.10	153.95	138.43
Bolton	124.43	153.51	138.40
Dudley	125.39	150.71	137.61
Spelthorne	114.97	162.74	137.32
Gloucester	115.75	160.48	136.76
Thanet	118.55	156.54	136.56
Oldham	120.62	153.28	136.22
Middlesborough UA	116.80	157.85	136.18
Wear Valley	110.25	165.85	135.95
Wolverhampton	120.67	150.98	135.19
Windsor and Maidenhead UA	116.49	155.99	135.17
Ipswich	114.54	157.30	134.66
York UA	118.67	152.21	134.66
Restormel	114.49	156.00	134.05
South Kesteven	116.05	153.78	133.93
Lancaster	115.03	153.80	133.37
Canterbury	115.48	152.80	133.17
Barrow-In-Furness	108.56	160.37	132.60
East Devon	116.48	149.86	132.39
Basildon	115.17	151.27	132.31
Boston	107.03	161.36	132.14
Christchurch	106.25	162.03	131.97
Suffolk Coastal	114.82	150.82	131.91
Huntingdonshire	114.94	149.85	131.53
Sedgemoor	113.00	152.20	131.52
Stockport	118.81	145.20	131.51
Durham	108.82	156.70	131.14
South Staffordshire	112.33	152.08	131.08
Shepway	111.13	152.77	130.72
Bradford	119.89	141.90	130.55
Wirral	118.57	143.39	130.54
Welwyn Hatfield	108.93	154.82	130.38
St. Edmundsbury	109.43	151.73	129.30
South Holland	108.95	152.29	129.28
Wakefield	117.27	141.97	129.18
Chorley	108.59	151.07	128.53
Havering	114.00	143.38	128.06
Lewisham	111.43	146.46	128.06
Harrow	112.22	144.37	127.54
Pendle	105.11	153.08	127.43
Watford	102.15	156.54	127.21
West Lancashire	108.09	148.44	127.08
Salisbury	108.57	147.80	127.06
North Cornwall	107.03	149.24	126.84
Babergh	106.30	149.87	126.70
Thurrock UA	108.26	147.24	126.64
Hart	104.39	152.04	126.56
Mid Suffolk	106.93	148.59	126.49

Coronary revascularisation :
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Local authority	95% Confidence interval		indirect rate per 100,000
West Wiltshire	108.63	146.06	126.31
Burnley	103.44	152.53	126.22
Three Rivers	103.86	151.77	126.13
Carrick	105.77	148.57	125.82
South Bedfordshire	106.36	147.47	125.67
Darlington UA	104.83	148.59	125.30
Halton UA	105.64	147.47	125.26
South Gloucestershire UA	112.09	139.32	125.15
Ashford	105.76	146.80	125.04
Hammersmith and Fulham	104.51	147.55	124.66
Swindon UA	108.92	141.91	124.60
North Kesteven	105.76	145.53	124.47
Luton UA	107.50	142.55	124.10
Bexley	109.58	139.94	124.07
Hertsmere	102.09	148.19	123.55
Penwith	101.24	149.29	123.54
Bracknell Forest UA	101.99	147.57	123.22
Doncaster	111.06	136.34	123.21
Daventry	100.41	149.20	123.02
Mid Devon	101.11	147.50	122.68
Kerrier	103.50	143.66	122.36
Hyndburn	99.00	149.26	122.23
Hartlepool UA	100.71	146.92	122.20
Chester	103.68	142.67	122.02
New Forest	108.12	136.92	121.89
North Wiltshire	104.19	141.69	121.87
High Peak	101.14	145.42	121.79
Mansfield	101.35	144.65	121.57
Warrington UA	106.54	137.65	121.35
North Lincolnshire UA	105.72	138.15	121.13
Stoke-On-Trent UA	107.27	135.90	120.95
Stevenage	96.42	148.89	120.55
Barnsley	106.52	134.95	120.11
Islington	100.40	142.12	119.92
Brentwood	96.38	146.30	119.42
Telford and Wrekin UA	102.64	137.55	119.14
Tandridge	97.17	143.55	118.69
Tamworth	95.09	146.07	118.56
Bridgnorth	94.25	147.10	118.51
South Lakeland	101.26	137.84	118.50
East Hampshire	99.73	138.43	117.90
Rossendale	93.06	146.50	117.55
Lambeth	101.24	135.58	117.48
Hambleton	98.18	139.34	117.42
Chester-Le-Street	91.76	147.70	117.28
Croydon	105.03	130.55	117.28
Forest of Dean	96.60	140.00	116.81
South Hams	97.00	138.45	116.36
South Tyneside	100.13	134.19	116.23
North Norfolk	99.81	134.10	116.02
Stafford	99.19	134.77	115.97
Mid Bedfordshire	98.48	135.65	115.96
Bath and North East Somerset	100.52	132.64	115.75
Poole UA	99.76	133.48	115.71
West Somerset	88.86	147.96	115.64
Crawley	94.46	140.08	115.61
Stroud	97.67	135.57	115.47
Derwentside	94.99	138.82	115.37
Eastleigh	96.97	135.54	115.06
Arun	100.65	130.83	115.00

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Local authority	95% Confidence interval		indirect rate per 100,000
East Riding of Yorkshire UA	104.70	125.45	114.73
Portsmouth UA	98.37	131.73	114.15
Epping Forest	96.49	133.79	114.01
Scarborough	96.85	133.28	113.99
Ryedale	90.15	141.50	113.69
North Hertfordshire	95.87	133.84	113.68
Dover	95.84	133.79	113.64
Harlow	90.05	141.36	113.58
Sevenoaks	95.46	133.42	113.26
Hillingdon	99.41	128.36	113.20
Torridge	92.22	137.29	113.10
Tewkesbury	92.73	136.48	113.04
Rother	95.35	132.80	112.92
Tendring	98.34	127.69	112.30
Colchester	96.30	129.26	111.88
Adur	88.55	139.00	111.68
Taunton Deane	93.52	131.69	111.39
Kirklees	100.71	122.23	111.08
Vale Royal	94.29	129.89	111.03
Macclesfield	95.92	127.39	110.83
Barnet	98.51	123.33	110.40
Surrey Heath	88.07	133.98	109.25
Northampton	94.54	125.28	109.11
Hastings	88.57	132.68	108.98
Rotherham	96.63	122.21	108.86
Fenland	90.36	129.93	108.81
Carlisle	90.49	129.72	108.80
Wandsworth	92.88	125.64	108.34
Lewes	90.61	128.43	108.30
Hackney	90.82	128.05	108.25
Dacorum	91.62	126.88	108.18
Eden	84.15	134.99	107.36
Chelmsford	92.21	124.20	107.32
Brighton and Hove UA	93.71	122.32	107.31
Newark and Sherwood	90.00	126.57	107.13
Cheltenham	88.74	128.18	107.12
East Dorset	89.93	126.47	107.04
Basingstoke and Deane	91.38	124.39	106.94
Crewe and Nantwich	89.65	126.40	106.86
Southampton UA	92.34	122.54	106.65
St. Albans	89.39	126.20	106.62
Ribble Valley	83.45	133.86	106.46
Southwark	91.49	123.12	106.43
Richmondshire	80.40	137.55	106.16
Sutton	90.92	123.20	106.15
Waveney	90.24	124.04	106.14
Allerdale	87.62	125.98	105.51
Blyth Valley	85.01	129.33	105.46
East Lindsey	91.78	120.31	105.32
Southend-On-Sea UA	90.33	122.08	105.32
Braintree	89.39	123.00	105.20
Leeds	97.19	112.90	104.83
Ashfield	87.32	124.28	104.59
Gosport	83.53	129.31	104.57
Bassetlaw	87.57	123.79	104.52
Chichester	88.38	122.53	104.42
Great Yarmouth	86.44	124.10	104.01
East Hertfordshire	86.96	122.14	103.44
Amber Valley	87.14	121.80	103.40
Guildford	86.00	122.40	103.01

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Local authority	95% Confidence interval	indirect rate per 100,000
Tunbridge Wells	84.92 123.68	102.96
Haringey	86.74 120.53	102.60
Herefordshire, County of UA	89.80 116.53	102.52
Eastbourne	84.40 123.13	102.41
Staffordshire Moorlands	85.08 121.96	102.29
Worthing	84.32 122.80	102.22
Calderdale	88.17 116.75	101.72
South Somerset	87.90 116.64	101.51
Sheffield	92.73 110.54	101.34
Derby UA	88.55 115.17	101.21
Merton	85.60 118.30	100.97
Woking	80.64 124.85	100.96
Teesdale	68.94 142.32	100.81
North East Lincolnshire UA	86.12 117.23	100.78
Fareham	83.70 118.80	100.11
Forest Heath	76.16 129.07	100.05
Erewash	82.76 119.75	99.99
Wycombe	84.89 116.46	99.75
Teignbridge	84.75 116.04	99.48
Reading UA	81.75 119.68	99.38
North Shropshire	77.54 125.24	99.29
Congleton	81.21 119.53	99.00
Wealden	85.18 114.34	98.96
Lincoln	78.08 123.28	98.78
Bolsover	78.20 122.39	98.47
Medway UA	85.95 111.72	98.21
Chiltern	79.67 119.34	98.02
Broadland	83.00 114.70	97.90
Redditch	76.64 122.15	97.44
Mid Sussex	81.88 115.01	97.40
Kingston upon Thames	80.52 115.42	96.81
Swale	81.07 114.59	96.75
West Lindsey	79.01 116.28	96.31
Cherwell	79.95 113.79	95.76
Breckland	81.36 111.96	95.76
North Tyneside	82.80 110.03	95.70
Runnymede	75.40 118.70	95.24
Waverley	79.03 113.64	95.17
Milton Keynes UA	80.94 108.74	94.07
East Cambridgeshire	75.02 115.84	93.80
Cotswold	76.14 114.06	93.68
Castle Point	76.29 113.59	93.57
Tonbridge and Malling	76.80 111.86	93.11
Shrewsbury and Atcham	75.35 112.41	92.51
Test Valley	76.22 110.81	92.32
Elmbridge	76.01 110.52	92.07
South Norfolk	77.38 108.41	91.92
Richmond upon Thames	77.01 107.64	91.37
North Dorset	71.75 114.34	91.22
Torbay UA	77.36 106.79	91.19
Newcastle upon Tyne	79.36 103.90	91.01
Kennet	71.86 113.47	90.92
Reigate and Banstead	75.36 108.53	90.83
South Shropshire	68.69 117.51	90.70
Coventry	79.58 102.65	90.57
Horsham	75.23 106.77	89.98
Oswestry	64.51 121.00	89.51
Gravesham	71.82 109.79	89.32
Havant	73.95 105.85	88.84
Craven	68.01 113.25	88.51

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Local authority	95% Confidence interval		indirect rate per 100,000
Castle Morpeth	67.03	114.13	88.28
Mendip	72.39	106.36	88.17
Gateshead	75.72	102.07	88.17
Weymouth and Portland	68.34	111.57	88.01
Camden	72.92	104.85	87.81
Newcastle-under-Lyme	72.49	105.05	87.65
Chesterfield	70.70	106.60	87.29
Wokingham UA	72.99	103.32	87.18
South Cambridgeshire	72.47	103.00	86.74
South Northamptonshire	69.09	107.53	86.74
Uttlesford	67.64	109.25	86.61
North East Derbyshire	70.85	104.67	86.54
Dartford	67.68	107.86	86.05
Norwich	69.66	105.02	86.00
Warwick	70.66	102.23	85.37
Winchester	69.26	102.71	84.76
Westminster	71.77	99.08	84.61
Epsom and Ewell	63.72	107.50	83.51
West Berkshire UA	68.76	98.42	82.60
Nottingham UA	70.74	95.77	82.55
West Dorset	67.67	98.89	82.19
Vale of White Horse	66.23	98.21	81.05
Wansbeck	61.20	105.22	81.03
Maldon	61.88	103.93	80.90
Bromsgrove	64.76	99.49	80.75
Malvern Hills	63.85	100.22	80.52
Rushcliffe	65.20	98.30	80.50
Harrogate	66.61	93.56	79.24
Rochford	62.21	98.83	78.96
Rugby	62.45	98.03	78.76
Derbyshire Dales	61.53	98.70	78.50
Mole Valley	61.88	98.00	78.41
Wychavon	64.48	93.75	78.10
Stratford-On-Avon	64.45	93.39	77.93
Wyre Forest	62.50	94.65	77.34
Maidstone	63.91	91.89	76.96
Oxford	59.70	94.84	75.77
Gedling	60.57	91.53	74.87
Broxtowe	59.42	91.28	74.09
West Oxfordshire	55.76	88.04	70.54
Alnwick	47.54	99.34	69.98
South Oxfordshire	55.69	83.96	68.75
Isle of Wight UA	57.20	81.76	68.67
North Warwickshire	49.45	88.92	67.07
Kensington and Chelsea	53.81	81.68	66.67
Cambridge	49.10	85.75	65.55
Tynedale	48.05	85.88	64.96
Purbeck	46.09	88.61	64.82
Worcester	45.41	79.30	60.63
Aylesbury Vale	45.02	68.02	55.65
Nuneaton and Bedworth	42.71	69.22	54.79
Berwick-upon-Tweed	26.00	71.45	44.63

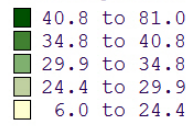
Coronary revascularisation: spells: females

Indirectly standardised rate per 100 000: each local authority in England

Any mention of operation: 2009-2011

All admissions

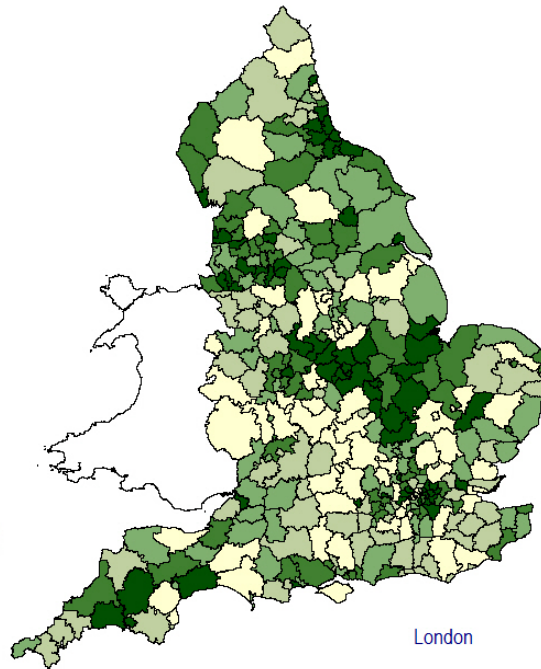
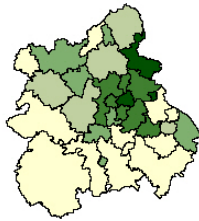
Quintile range of rates



Manchester



West Midlands



London



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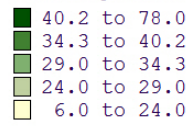
Coronary revascularisation:: females

Indirectly standardised rate per 100 000: each local authority in England

Any mention of operation: 2009-2011

All admissions

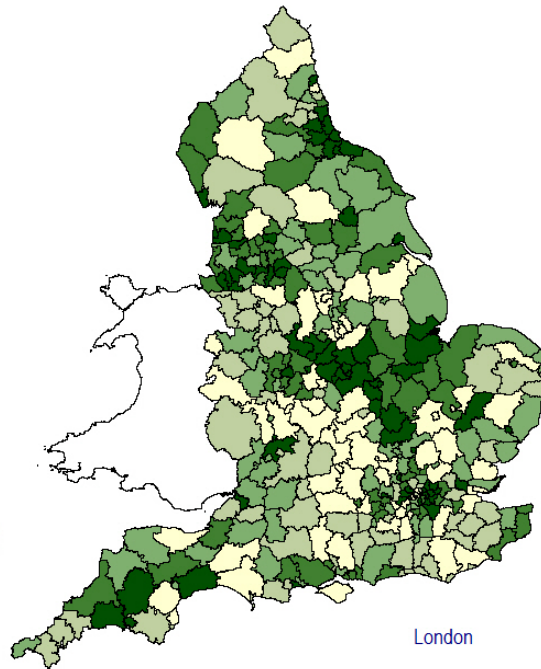
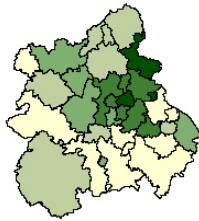
Quintile range of rates



Manchester



West Midlands



London



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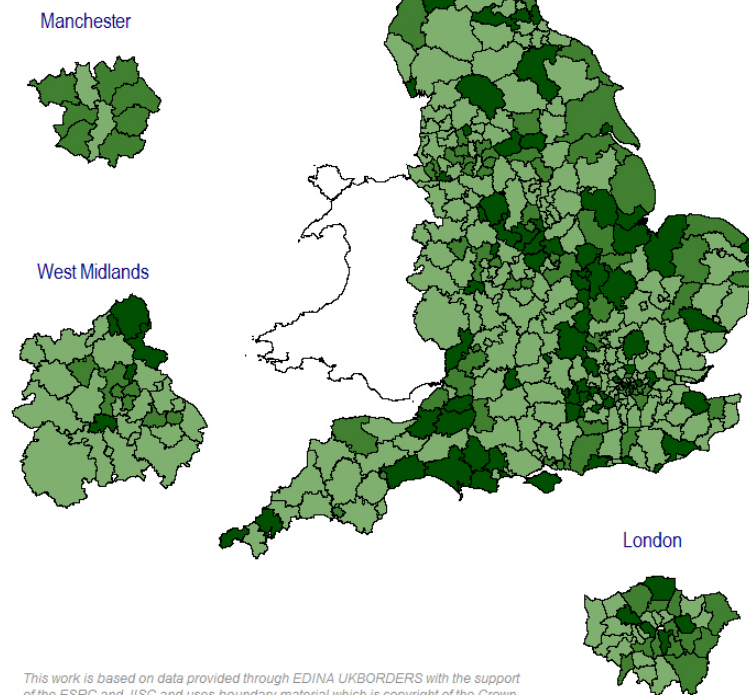
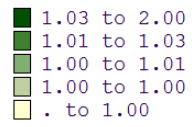
Coronary revascularisation: ratios: females

Number of spells per person: each local authority in England

Any mention of operation: 2009-2011

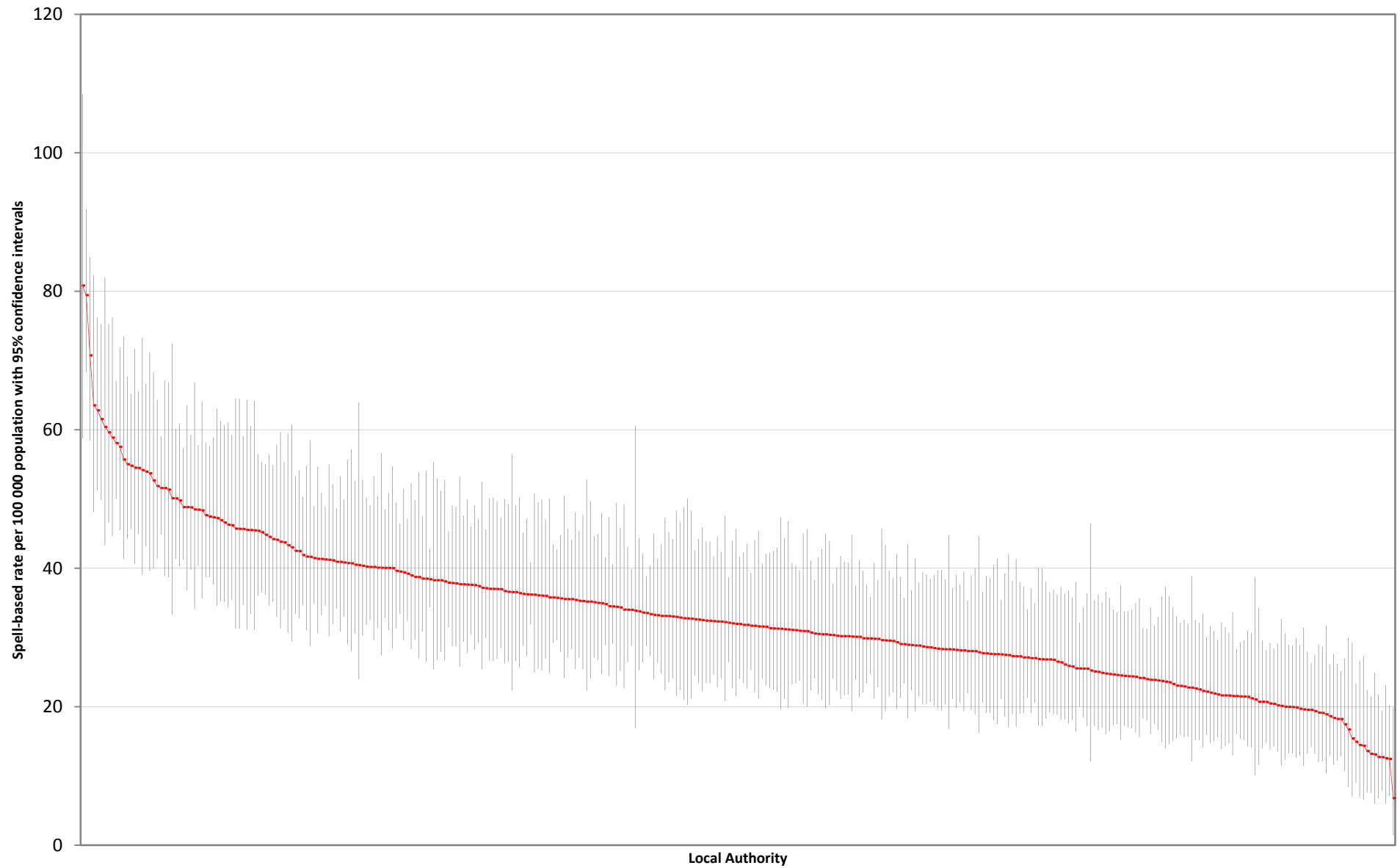
All admissions

Ratios

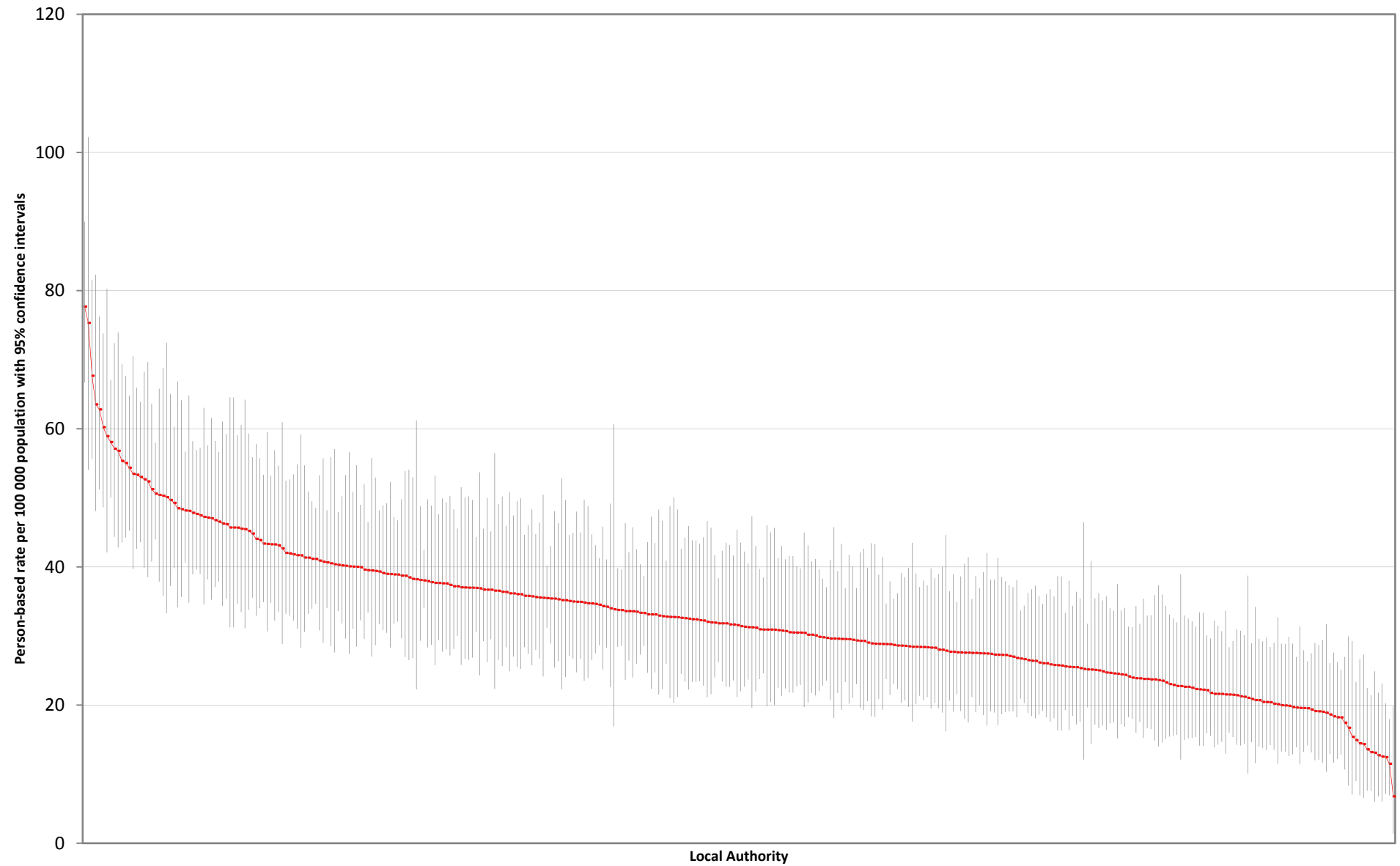


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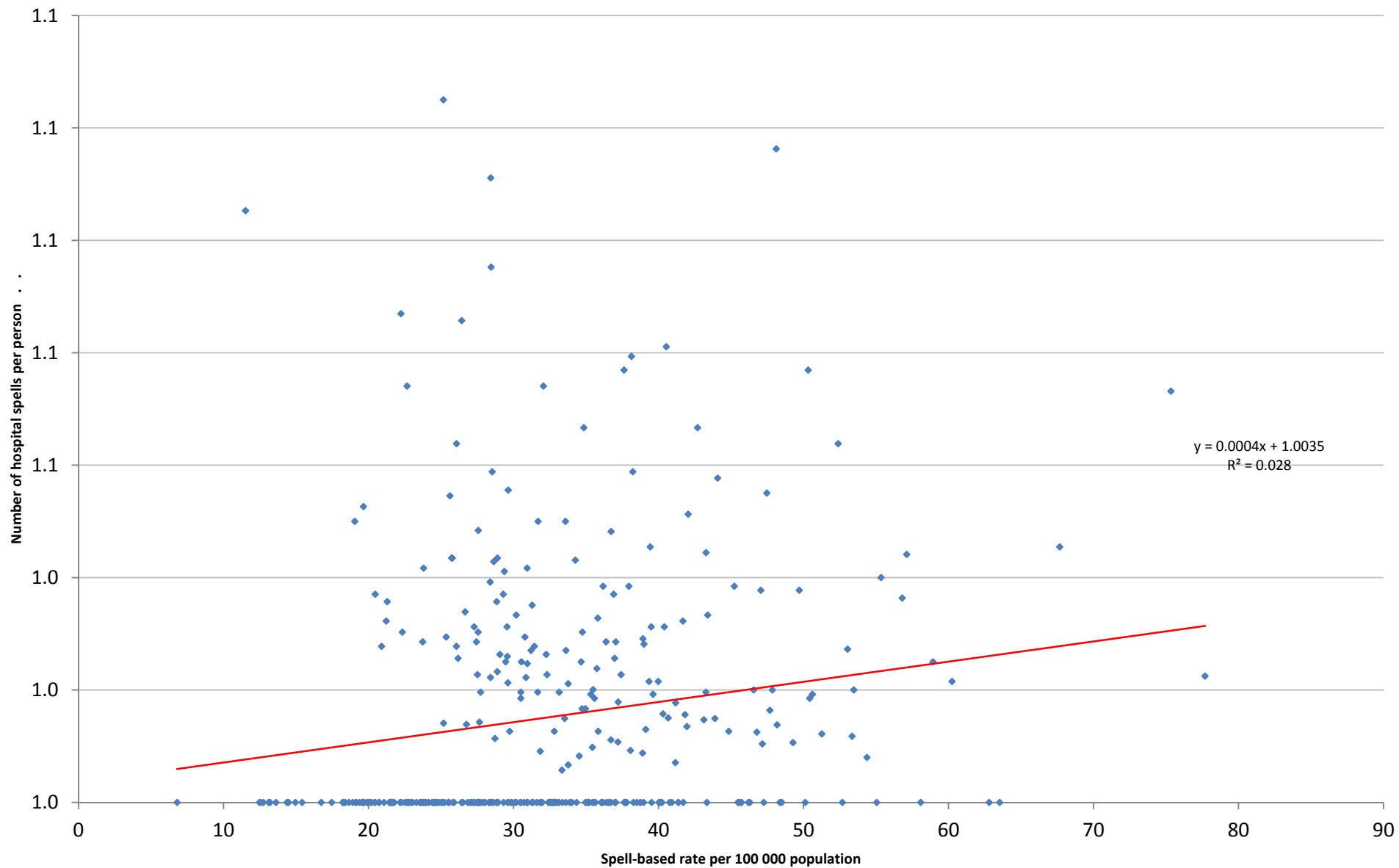
Coronary revascularisation : Spell-based rate per 100 000 population for each Local Authority , Females



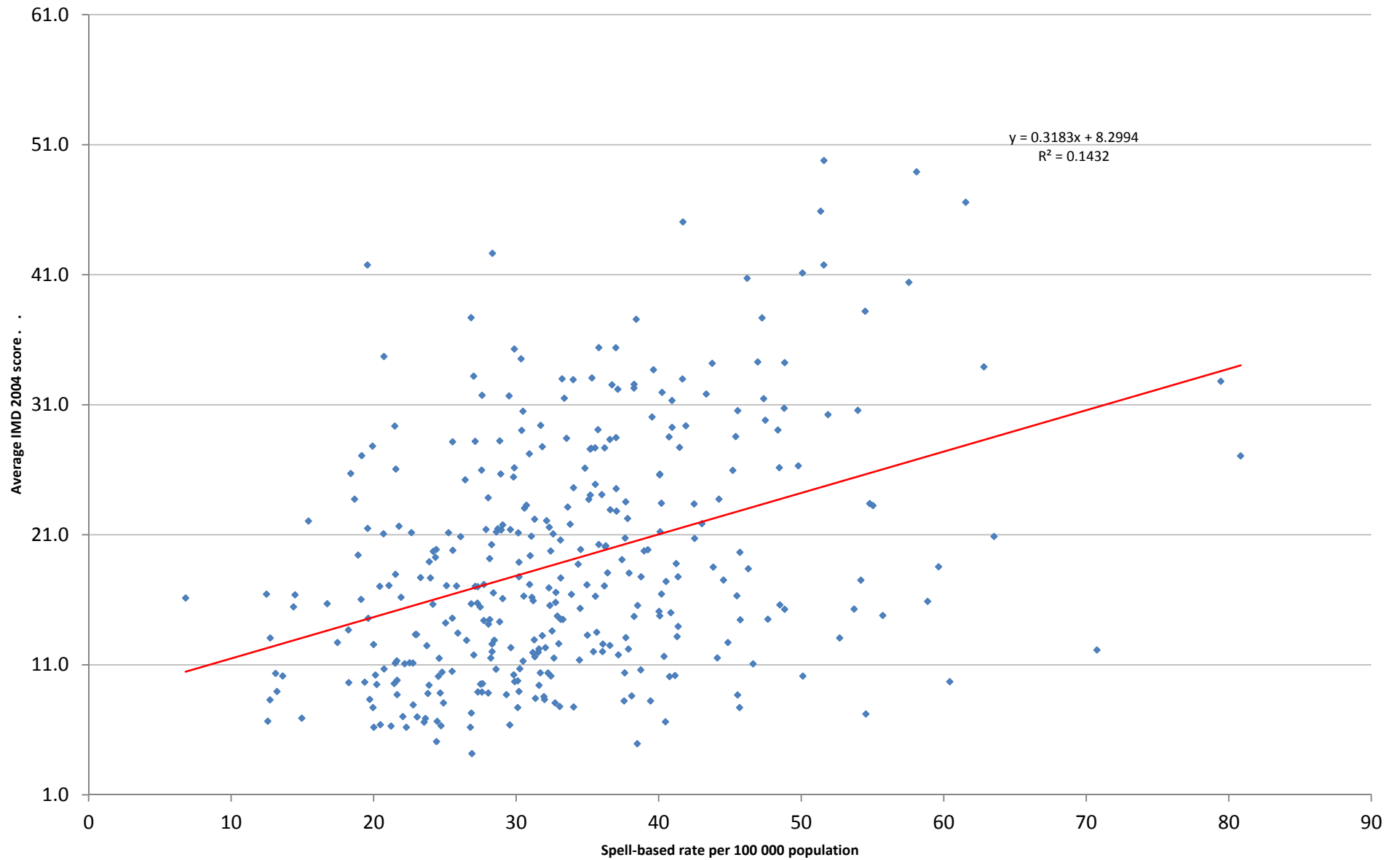
Coronary revascularisation : Person-based rate per 100 000 population for each Local Authority , Females



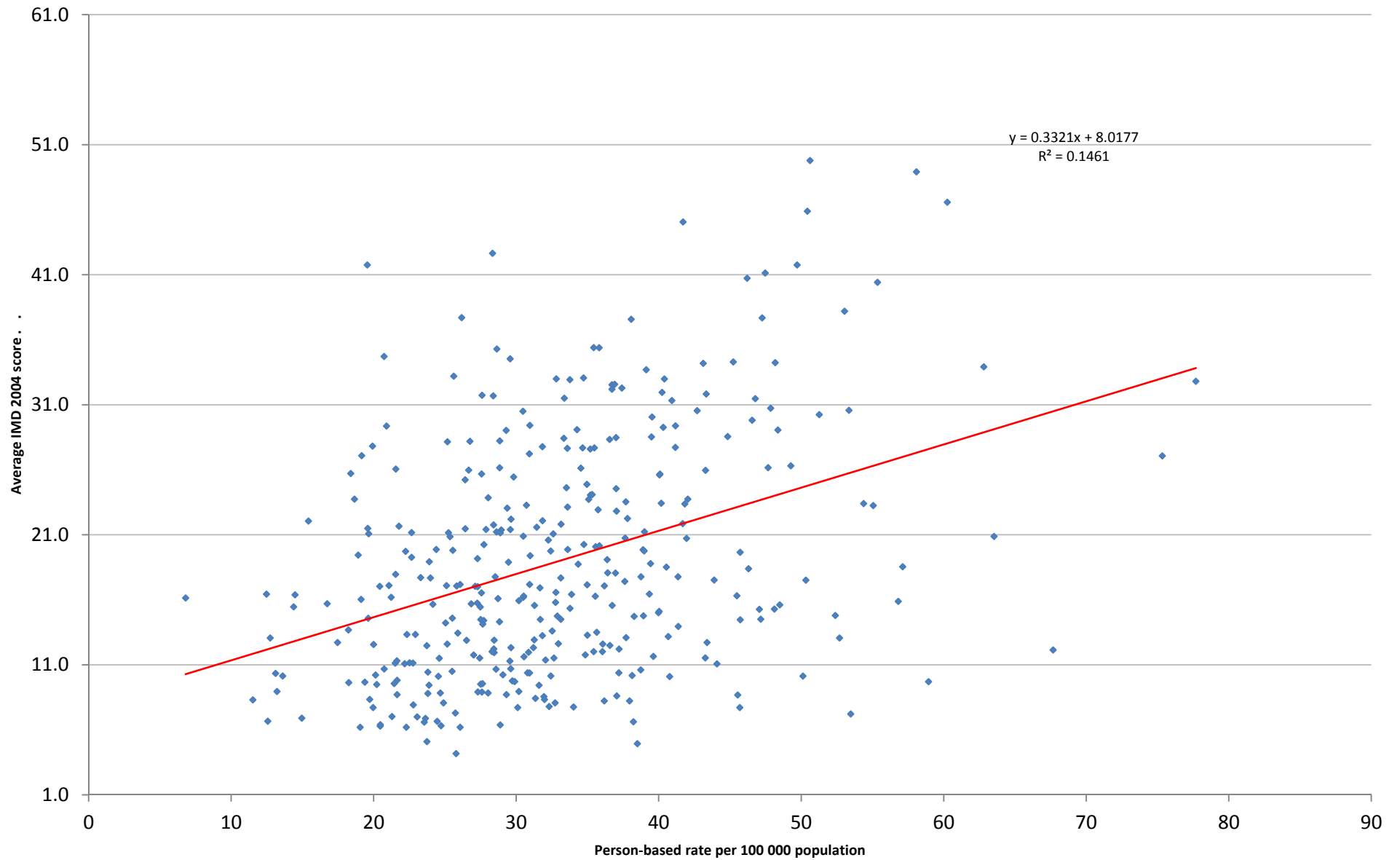
Coronary revascularisation : number of spells plotted against the person-based rate for each Local Authority , Females



Coronary revascularisation : average IMD score plotted against the spell-based rate for each Local Authority , Females



Coronary revascularisation : average IMD score plotted against the person-based rate for each Local Authority , Females



HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Females								
					CIPS					People			
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Ratio of spells to people
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51 34.51	17662	17662.00	33.46	32.97 33.96	1.0
45UB	Adur	17.0 Q19	J		22	27.41	27.30	17.11 41.33	22	26.97	27.29	17.10 41.32	1.0
16UB	Allerdale	22.9 Q13	B		43	39.96	36.60	26.48 49.30	42	39.32	35.75	25.76 48.32	1.0
35UB	Alnwick	16.1 Q09	A		3	15.00	6.80	1.40 19.88	3	14.76	6.80	1.40 19.88	1.0
17UB	Amber Valley	18.9 Q24	E		41	46.18	30.19	21.67 40.96	40	45.43	29.46	21.05 40.12	1.0
45UC	Arun	15.6 Q19	J		87	76.81	38.52	30.85 47.51	83	75.61	36.73	29.26 45.54	1.0
37UB	Ashfield	27.8 Q24	E		39	41.67	31.83	22.63 43.52	39	40.99	31.84	22.64 43.53	1.0
29UB	Ashford	13.4 Q18	J		31	40.70	25.90	17.60 36.77	31	40.05	25.90	17.60 36.77	1.0
11UB	Aylesbury Vale	8.3 Q16	J		21	56.11	12.73	7.88 19.46	19	55.20	11.52	6.94 17.99	1.1
42UB	Babergh	11.3 Q01	G		33	36.82	30.48	20.98 42.81	32	36.23	29.56	20.21 41.73	1.0
00AB	Barking and Dagenham	31.3 Q06	H		55	45.70	40.93	30.84 53.28	55	44.98	40.92	30.83 53.27	1.0
00AC	Barnet	16.1 Q05	H		89	104.18	29.05	23.33 35.75	88	102.52	28.72	23.04 35.39	1.0
00CC	Barnsley	33.0 Q23	D		80	81.89	33.22	26.34 41.35	79	80.57	32.81	25.98 40.90	1.0
16UC	Barrow-In-Furness	33.0 Q13	B		33	26.94	41.67	28.68 58.52	32	26.50	40.40	27.63 57.04	1.0
22UB	Basildon	20.7 Q03	G		75	59.98	42.52	33.45 53.30	74	59.02	41.96	32.94 52.67	1.0
24UB	Basingstoke and Deane	8.8 Q17	J		37	51.01	24.67	17.37 34.00	37	50.18	24.68	17.37 34.01	1.0
37UC	Bassetlaw	25.7 Q24	E		23	42.54	18.39	11.66 27.59	23	41.85	18.39	11.66 27.60	1.0
00HA	Bath and North East Somerset UA	12.2 Q20	K		60	64.59	31.59	24.11 40.67	54	63.56	28.43	21.35 37.09	1.1
09UD	Bedford	17.5 Q02	G		68	51.92	44.55	34.59 56.47	67	51.08	43.89	34.01 55.74	1.0
35UC	Berwick-upon-Tweed	21.2 Q09	A		10	13.47	25.25	12.11 46.44	10	13.25	25.25	12.11 46.43	1.0
00AD	Bexley	15.0 Q07	H		95	79.09	40.85	33.05 49.94	93	77.83	39.99	32.27 48.99	1.0
00CN	Birmingham	37.6 Q27	F		328	290.31	38.42	34.38 42.82	325	285.69	38.07	34.04 42.44	1.0
31UB	Blaby	8.7 Q25	E		47	35.10	45.53	33.45 60.55	47	34.54	45.54	33.46 60.56	1.0
00EX	Blackburn with Darwen UA	32.3 Q13	B		45	39.99	38.27	27.91 51.21	44	39.35	37.42	27.19 50.24	1.0
00EY	Blackpool UA	33.9 Q13	B		102	55.22	62.82	51.22 76.26	102	54.34	62.81	51.21 76.25	1.0
35UD	Blyth Valley	26.1 Q09	A		19	29.98	21.55	12.97 33.65	19	29.49	21.56	12.98 33.66	1.0
17UC	Bolsover	30.5 Q24	E		25	27.90	30.47	19.72 44.98	25	27.45	30.47	19.72 44.98	1.0
00BL	Bolton	29.4 Q14	B		83	89.00	31.72	25.26 39.32	81	87.56	30.95	24.58 38.47	1.0
32UB	Boston	21.9 Q24	E		32	25.29	43.03	29.43 60.75	31	24.89	41.69	28.32 59.17	1.0
00HN	Bournemouth UA	23.7 Q22	K		82	63.06	44.23	35.17 54.90	78	62.08	42.05	33.23 52.48	1.1
00MA	Bracknell Forest UA	8.6 Q16	J		36	32.13	38.11	26.69 52.76	35	31.60	37.06	25.81 51.54	1.0
00CX	Bradford	32.9 Q12	D		151	151.05	34.00	28.79 39.87	150	148.64	33.77	28.58 39.63	1.0
22UC	Braintree	13.2 Q03	G		47	50.21	31.84	23.39 42.34	47	49.40	31.84	23.39 42.34	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Females									
					CIPS				People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Ratio of spells to people	
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51 34.51	17662	17662.00	33.46	32.97 33.96	1.0	
33UB	Breckland	14.5 Q01	G		45	54.38	28.14	20.53 37.66	44	53.51	27.52	19.99 36.94	1.0	
00AE	Brent	26.0 Q04	H		94	70.72	45.20	36.53 55.32	90	69.58	43.28	34.80 53.20	1.0	
22UD	Brentwood	8.9 Q03	G		23	28.34	27.60	17.50 41.41	23	27.89	27.59	17.49 41.40	1.0	
39UB	Bridgnorth	12.3 Q26	F		20	22.96	29.63	18.10 45.75	20	22.59	29.63	18.10 45.76	1.0	
00ML	Brighton and Hove UA	25.7 Q19	J		65	76.45	28.91	22.31 36.85	62	75.25	27.57	21.14 35.35	1.0	
00HB	Bristol, City of UA	27.7 Q20	K		142	116.46	41.47	34.93 48.88	141	114.61	41.17	34.65 48.55	1.0	
33UC	Broadland	9.6 Q01	G		29	54.03	18.25	12.23 26.22	29	53.16	18.25	12.22 26.22	1.0	
00AF	Bromley	13.2 Q07	H		135	111.19	41.29	34.62 48.87	133	109.42	40.67	34.05 48.20	1.0	
47UB	Bromsgrove	10.1 Q28	F		15	37.46	13.62	7.62 22.46	15	36.86	13.62	7.62 22.46	1.0	
26UB	Broxbourne	14.7 Q02	G		36	31.99	38.27	26.80 52.99	36	31.48	38.27	26.80 52.99	1.0	
37UD	Broxtowe	16.0 Q24	E		23	40.91	19.12	12.12 28.69	23	40.26	19.12	12.12 28.69	1.0	
30UD	Burnley	31.8 Q13	B		38	29.82	43.34	30.66 59.48	38	29.34	43.34	30.66 59.49	1.0	
00BM	Bury	23.5 Q14	B		70	63.17	37.69	29.38 47.62	70	62.14	37.69	29.38 47.62	1.0	
00CY	Calderdale	25.4 Q12	D		61	69.58	29.82	22.81 38.30	61	68.46	29.82	22.81 38.30	1.0	
12UB	Cambridge	14.6 Q01	G		17	29.47	19.62	11.43 31.41	17	29.00	19.61	11.43 31.40	1.0	
00AG	Camden	34.7 Q05	H		30	49.23	20.72	13.98 29.58	30	48.43	20.73	13.99 29.59	1.0	
41UB	Cannock Chase	20.3 Q26	F		34	32.30	35.80	24.79 50.03	33	31.77	34.75	23.92 48.81	1.0	
29UC	Canterbury	16.2 Q18	J		52	56.85	31.11	23.23 40.79	51	55.95	30.50	22.71 40.11	1.0	
15UB	Caradon	18.4 Q21	K		50	36.73	46.29	34.36 61.03	50	36.14	46.30	34.36 61.04	1.0	
16UD	Carlisle	22.2 Q13	B		38	41.30	31.29	22.14 42.95	36	40.64	29.64	20.76 41.04	1.1	
15UC	Carrick	19.2 Q21	K		33	39.88	28.14	19.37 39.52	32	39.25	27.28	18.66 38.52	1.0	
35UE	Castle Morpeth	15.8 Q09	A		21	21.80	32.76	20.28 50.09	21	21.45	32.76	20.28 50.09	1.0	
22UE	Castle Point	12.7 Q03	G		20	38.95	17.46	10.67 26.97	20	38.32	17.46	10.67 26.97	1.0	
31UC	Charnwood	12.1 Q25	E		115	55.28	70.75	58.41 84.92	110	54.39	67.68	55.62 81.57	1.0	
22UF	Chelmsford	8.6 Q03	G		54	57.49	31.94	24.00 41.68	54	56.56	31.95	24.00 41.68	1.0	
23UB	Cheltenham	14.4 Q20	K		33	40.48	27.73	19.08 38.94	33	39.84	27.72	19.08 38.93	1.0	
38UB	Cherwell	11.2 Q16	J		30	45.31	22.52	15.19 32.14	30	44.58	22.52	15.19 32.15	1.0	
13UB	Chester	17.0 Q15	B		37	46.39	27.13	19.10 37.39	37	45.65	27.12	19.09 37.39	1.0	
17UD	Chesterfield	27.1 Q24	E		22	39.06	19.16	12.01 29.00	22	38.43	19.16	12.00 29.00	1.0	
20UB	Chester-Le-Street	21.4 Q10	A		17	20.74	27.88	16.24 44.64	17	20.40	27.88	16.24 44.65	1.0	
45UD	Chichester	10.7 Q19	J		48	53.96	30.25	22.31 40.11	47	53.10	29.62	21.76 39.39	1.0	
11UC	Chiltern	6.2 Q16	J		21	35.70	20.01	12.38 30.58	20	35.12	19.05	11.64 29.43	1.1	

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Females										
					CIPS					People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51	34.51	17662	17662.00	33.46	32.97	33.96	1.0
30UE	Chorley	17.2	Q13	B	38	36.96	34.97	24.74	47.99	38	36.36	34.98	24.75	48.01	1.0
19UC	Christchurch	12.6	Q22	K	26	26.81	32.98	21.54	48.33	26	26.39	32.96	21.53	48.30	1.0
22UG	Colchester	14.6	Q03	G	43	57.30	25.52	18.47	34.38	43	56.38	25.52	18.47	34.38	1.0
13UC	Congleton	9.5	Q15	B	30	37.10	27.50	18.56	39.26	30	36.50	27.50	18.56	39.26	1.0
16UE	Copeland	25.7	Q13	B	32	27.15	40.09	27.41	56.59	32	26.71	40.09	27.42	56.60	1.0
34UB	Corby	27.1	Q25	E	44	18.51	80.83	58.73	108.52	41	18.21	75.34	54.06	102.21	1.1
23UC	Cotswold	8.8	Q20	K	30	36.39	28.04	18.92	40.02	30	35.81	28.03	18.91	40.02	1.0
00CQ	Coventry	28.2	Q28	F	72	95.88	25.54	19.98	32.16	71	94.36	25.18	19.67	31.76	1.0
36UB	Craven	11.9	Q11	D	23	25.09	31.17	19.76	46.77	21	24.69	28.46	17.62	43.50	1.1
45UE	Crawley	14.8	Q19	J	31	32.06	32.89	22.34	46.69	31	31.55	32.88	22.34	46.68	1.0
13UD	Crewe and Nantwich	17.1	Q15	B	32	43.34	25.11	17.17	35.45	32	42.65	25.11	17.17	35.45	1.0
00AH	Croydon	19.9	Q08	H	115	99.67	39.24	32.39	47.10	114	98.06	38.90	32.09	46.74	1.0
26UC	Dacorum	9.5	Q02	G	29	48.79	20.21	13.54	29.03	29	48.01	20.21	13.54	29.03	1.0
00EH	Darlington UA	24.6	Q10	A	41	37.67	37.02	26.56	50.22	41	37.07	37.01	26.56	50.21	1.0
29UD	Dartford	17.2	Q18	J	27	29.68	30.94	20.39	45.02	27	29.20	30.94	20.39	45.01	1.0
34UC	Daventry	10.2	Q25	E	16	27.04	20.13	11.50	32.68	16	26.59	20.13	11.51	32.70	1.0
00FK	Derby UA	27.7	Q24	E	82	78.47	35.54	28.26	44.11	80	77.23	34.67	27.49	43.14	1.0
17UF	Derbyshire Dales	12.5	Q24	E	22	31.53	23.73	14.87	35.92	22	31.03	23.73	14.87	35.93	1.0
20UD	Derwentside	28.2	Q10	A	29	34.18	28.85	19.32	41.44	29	33.64	28.85	19.32	41.44	1.0
00CE	Doncaster	31.5	Q23	D	106	108.00	33.38	27.33	40.37	106	106.27	33.38	27.33	40.37	1.0
29UE	Dover	18.7	Q18	J	46	45.54	34.35	25.15	45.82	46	44.81	34.35	25.15	45.82	1.0
00CR	Dudley	22.1	Q27	F	111	117.48	32.13	26.43	38.70	110	115.59	31.84	26.17	38.38	1.0
20UE	Durham	18.5	Q10	A	40	31.04	43.83	31.31	59.68	37	30.54	40.54	28.54	55.89	1.1
00AJ	Ealing	23.4	Q04	H	126	78.19	54.81	45.66	65.26	125	76.92	54.38	45.27	64.79	1.0
20UF	Easington	41.8	Q10	A	55	36.26	51.59	38.86	67.15	53	35.68	49.71	37.23	65.03	1.0
12UC	East Cambridgeshire	10.6	Q01	G	35	30.73	38.74	26.98	53.88	35	30.23	38.74	26.98	53.88	1.0
18UB	East Devon	12.7	Q21	K	93	70.51	44.86	36.21	54.95	90	69.40	43.40	34.89	53.34	1.0
19UD	East Dorset	8.2	Q22	K	54	46.58	39.43	29.62	51.44	52	45.84	37.96	28.35	49.78	1.0
24UC	East Hampshire	8.1	Q17	J	32	43.71	24.90	17.03	35.15	32	43.01	24.90	17.03	35.15	1.0
26UD	East Hertfordshire	6.3	Q02	G	28	44.88	21.22	14.10	30.67	27	44.15	20.46	13.49	29.77	1.0
32UC	East Lindsey	24.6	Q24	E	68	67.97	34.02	26.42	43.13	67	66.87	33.53	25.98	42.58	1.0
34UD	East Northamptonshire	11.8	Q25	E	32	29.28	37.17	25.42	52.47	30	28.80	34.85	23.52	49.75	1.1

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Females								
					CIPS				People				Ratio of spells to people
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51 34.51	17662	17662.00	33.46	32.97 33.96	1.0
00FB	East Riding of Yorkshire UA	15.3 Q11	D		145	142.99	34.49	29.10 40.58	142	140.68	33.78	28.45 39.81	1.0
41UC	East Staffordshire	18.5 Q26	F		71	40.49	59.64	46.58 75.23	68	39.84	57.12	44.35 72.41	1.0
21UC	Eastbourne	21.5 Q19	J		38	45.01	28.71	20.31 39.41	35	44.32	26.43	18.41 36.76	1.1
24UD	Eastleigh	8.9 Q17	J		34	42.34	27.31	18.91 38.16	34	41.66	27.31	18.91 38.17	1.0
16UF	Eden	15.7 Q13	B		11	22.35	16.74	8.35 29.95	11	21.99	16.74	8.36 29.95	1.0
13UE	Ellesmere Port and Neston	19.8 Q15	B		24	31.94	25.55	16.37 38.02	24	31.43	25.55	16.37 38.02	1.0
43UB	Elmbridge	7.0 Q19	J		29	44.73	22.05	14.77 31.66	28	44.02	21.29	14.14 30.76	1.0
00AK	Enfield	23.1 Q05	H		76	84.52	30.58	24.09 38.28	73	83.16	29.37	23.02 36.93	1.0
22UH	Epping Forest	13.3 Q03	G		31	45.98	22.93	15.58 32.55	31	45.24	22.93	15.58 32.55	1.0
43UC	Epsom and Ewell	6.9 Q19	J		18	25.90	23.63	14.01 37.35	18	25.49	23.63	14.01 37.35	1.0
17UG	Erewash	19.3 Q24	E		29	40.53	24.34	16.30 34.95	27	39.87	22.66	14.93 32.97	1.1
18UC	Exeter	21.6 Q21	K		37	38.93	32.32	22.75 44.55	36	38.32	31.44	22.01 43.52	1.0
24UE	Fareham	7.8 Q17	J		45	46.31	33.05	24.10 44.22	44	45.57	32.31	23.48 43.38	1.0
12UD	Fenland	19.8 Q01	G		44	38.39	38.98	28.32 52.33	44	37.78	38.97	28.32 52.32	1.0
42UC	Forest Heath	11.1 Q01	G		13	19.43	22.76	12.12 38.92	13	19.12	22.76	12.12 38.92	1.0
23UD	Forest of Dean	15.9 Q20	K		31	33.80	31.19	21.19 44.28	30	33.25	30.19	20.37 43.10	1.0
30UF	Fylde	13.1 Q13	B		57	36.78	52.70	39.91 68.28	57	36.20	52.69	39.90 68.26	1.0
00CH	Gateshead	33.2 Q09	A		58	73.01	27.02	20.51 34.93	55	71.84	25.62	19.30 33.35	1.1
37UE	Gedling	16.4 Q24	E		16	43.61	12.48	7.13 20.26	16	42.91	12.48	7.13 20.26	1.0
23UE	Gloucester	19.9 Q20	K		38	37.43	34.53	24.43 47.39	37	36.83	33.62	23.67 46.34	1.0
24UF	Gosport	16.3 Q17	J		31	29.65	35.56	24.15 50.47	31	29.18	35.55	24.15 50.47	1.0
29UG	Gravesham	18.1 Q18	J		37	34.56	36.41	25.64 50.19	37	34.00	36.42	25.64 50.20	1.0
33UD	Great Yarmouth	27.7 Q01	G		42	40.50	35.27	25.42 47.67	40	39.85	33.59	23.99 45.74	1.1
00AL	Greenwich	31.5 Q07	H		81	58.15	47.37	37.62 58.88	80	57.23	46.78	37.09 58.22	1.0
43UD	Guildford	8.3 Q19	J		26	44.84	19.72	12.88 28.90	26	44.12	19.72	12.88 28.90	1.0
00AM	Hackney	45.1 Q06	H		51	41.59	41.70	31.05 54.83	51	40.92	41.71	31.05 54.84	1.0
00ET	Halton UA	34.3 Q15	B		54	39.11	46.95	35.27 61.27	52	38.47	45.23	33.78 59.32	1.0
36UC	Hambleton	10.4 Q11	D		35	37.55	31.70	22.07 44.08	34	36.95	30.79	21.32 43.03	1.0
00AN	Hammersmith and Fulham	27.8 Q04	H		23	39.27	19.92	12.63 29.89	23	38.64	19.92	12.63 29.89	1.0
31UD	Harborough	7.2 Q25	E		51	31.80	54.54	40.60 71.71	50	31.29	53.47	39.69 70.50	1.0
00AP	Haringey	37.7 Q05	H		40	50.68	26.84	19.17 36.55	39	49.86	26.18	18.61 35.79	1.0
22UJ	Harlow	21.4 Q03	G		23	27.01	28.96	18.36 43.45	23	26.58	28.95	18.35 43.44	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Females									Ratio of spells to people
					CIPS					People				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51	34.51	17662	17662.00	33.46	32.97	33.96
36UD	Harrogate	11.1 Q11	D		41	62.87	22.18	15.91	30.09	41	61.86	22.18	15.91	30.09
00AQ	Harrow	13.5 Q04	H		74	70.59	35.65	27.99	44.76	74	69.46	35.65	27.99	44.76
24UG	Hart	4.2 Q17	J		24	30.35	26.89	17.23	40.01	23	29.86	25.78	16.34	38.68
00EB	Hartlepool UA	37.7 Q10	A		46	33.11	47.26	34.59	63.03	46	32.57	47.26	34.60	63.04
21UD	Hastings	31.7 Q19	J		26	32.03	27.60	18.03	40.45	26	31.52	27.60	18.03	40.44
24UH	Havant	20.1 Q17	J		55	51.61	36.24	27.30	47.18	54	50.79	35.58	26.73	46.43
00AR	Havering	14.8 Q06	H		106	89.97	40.07	32.81	48.46	103	88.54	38.93	31.77	47.21
00GA	Herefordshire, County of UA	15.7 Q28	F		56	78.85	24.16	18.25	31.37	56	77.58	24.15	18.24	31.37
26UE	Hertsmere	12.0 Q02	G		36	33.95	36.06	25.25	49.92	36	33.41	36.05	25.25	49.92
17UH	High Peak	15.1 Q24	E		39	33.14	40.02	28.46	54.72	39	32.60	40.03	28.46	54.72
00AS	Hillingdon	17.7 Q04	H		54	76.57	23.98	18.02	31.29	54	75.34	23.98	18.02	31.29
31UE	Hinckley and Bosworth	11.1 Q25	E		55	40.12	46.62	35.12	60.69	52	39.47	44.09	32.92	57.81
45UF	Horsham	6.7 Q19	J		37	51.46	24.45	17.22	33.71	37	50.63	24.45	17.22	33.71
00AT	Hounslow	23.3 Q04	H		90	55.61	55.04	44.26	67.65	90	54.70	55.05	44.27	67.67
12UE	Huntingdonshire	10.2 Q01	G		68	56.20	41.15	31.95	52.16	63	55.29	38.13	29.30	48.79
30UG	Hyndburn	28.5 Q13	B		33	27.56	40.73	28.03	57.20	32	27.11	39.50	27.01	55.76
42UD	Ipswich	23.4 Q01	G		48	40.62	40.19	29.63	53.29	48	39.97	40.18	29.63	53.28
00MW	Isle of Wight UA	21.1 Q17	J		40	65.76	20.69	14.78	28.17	38	64.71	19.65	13.90	26.97
00AU	Islington	42.7 Q05	H		33	39.61	28.34	19.50	39.79	33	38.97	28.34	19.50	39.80
46UB	Kennet	10.1 Q20	K		21	29.11	24.54	15.19	37.51	21	28.64	24.54	15.19	37.51
00AW	Kensington and Chelsea	21.5 Q04	H		30	52.11	19.58	13.21	27.95	30	51.27	19.58	13.21	27.96
15UD	Kerrier	25.2 Q21	K		32	41.20	26.42	18.07	37.30	32	40.53	26.42	18.07	37.30
34UE	Kettering	15.3 Q25	E		48	30.39	53.71	39.60	71.21	43	29.90	48.12	34.82	64.82
33UE	Kings Lynn and West Norfolk	19.1 Q01	G		72	65.43	37.43	29.28	47.13	70	64.38	36.38	28.36	45.97
00FA	Kingston upon Hull, City of UA	41.1 Q11	D		115	78.08	50.09	41.36	60.13	109	76.83	47.47	38.98	57.27
00AX	Kingston upon Thames	11.6 Q08	H		41	44.53	31.31	22.47	42.48	40	43.81	30.55	21.82	41.60
00CZ	Kirklees	26.2 Q12	D		116	132.07	29.87	24.68	35.83	112	129.94	28.84	23.75	34.71
00BX	Knowsley	46.6 Q15	B		95	52.49	61.55	49.79	75.24	93	51.65	60.25	48.63	73.81
00AY	Lambeth	34.2 Q07	H		69	53.64	43.75	34.04	55.37	68	52.76	43.13	33.49	54.68
30UH	Lancaster	22.3 Q13	B		58	52.16	37.82	28.71	48.89	58	51.33	37.81	28.71	48.88
00DA	Leeds	27.7 Q12	D		254	238.59	36.21	31.89	40.94	249	234.78	35.49	31.22	40.18
00FN	Leicester UA	32.8 Q25	E		182	77.91	79.44	68.32	91.86	178	76.67	77.69	66.70	89.99

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					CIPS					People				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51 34.51	17662	17662.00	33.46	32.97 33.96	1.0	
21UF	Lewes	12.9 Q19	J		38	45.40	28.46	20.14 39.07	38	44.69	28.46	20.13 39.06	1.0	
00AZ	Lewisham	28.6 Q07	H		80	59.92	45.40	36.00 56.51	79	58.95	44.84	35.50 55.89	1.0	
41UD	Lichfield	12.0 Q26	F		41	39.36	35.42	25.42 48.06	41	38.72	35.43	25.43 48.07	1.0	
32UD	Lincoln	27.2 Q24	E		25	27.49	30.93	20.02 45.66	25	27.05	30.92	20.01 45.65	1.0	
00BY	Liverpool	49.8 Q15	B		212	139.74	51.60	44.88 59.03	208	137.50	50.62	43.97 57.99	1.0	
00KA	Luton UA	23.3 Q02	G		45	49.82	30.72	22.41 41.11	45	49.01	30.72	22.41 41.11	1.0	
13UG	Macclesfield	11.1 Q15	B		40	63.23	21.51	15.37 29.30	40	62.22	21.51	15.37 29.29	1.0	
29UH	Maidstone	11.5 Q18	J		39	53.92	24.60	17.49 33.63	39	53.05	24.60	17.49 33.63	1.0	
22UK	Maldon	10.7 Q03	G		15	24.61	20.73	11.60 34.19	15	24.21	20.74	11.61 34.20	1.0	
47UC	Malvern Hills	13.1 Q28	F		13	34.69	12.74	6.79 21.79	13	34.14	12.74	6.79 21.79	1.0	
00BN	Manchester	48.9 Q14	B		186	108.88	58.10	50.05 67.07	186	107.15	58.09	50.04 67.06	1.0	
37UF	Mansfield	32.5 Q24	E		40	37.04	36.72	26.23 50.01	40	36.45	36.73	26.23 50.01	1.0	
00LC	Medway UA	18.0 Q18	J		50	78.97	21.53	15.98 28.39	50	77.68	21.54	15.99 28.40	1.0	
31UG	Melton	10.1 Q25	E		28	19.00	50.11	33.30 72.43	28	18.69	50.12	33.31 72.44	1.0	
40UB	Mendip	14.5 Q22	K		42	42.92	33.28	23.98 44.99	40	42.23	31.70	22.64 43.16	1.1	
00BA	Merton	14.5 Q08	H		52	53.38	33.13	24.74 43.44	52	52.53	33.13	24.74 43.44	1.0	
09UC	Mid Bedfordshire	7.7 Q02	G		58	43.18	45.68	34.68 59.05	58	42.48	45.69	34.70 59.07	1.0	
18UD	Mid Devon	17.1 Q21	K		33	31.01	36.19	24.91 50.82	33	30.51	36.19	24.91 50.83	1.0	
42UE	Mid Suffolk	9.8 Q01	G		24	37.71	21.64	13.87 32.21	24	37.10	21.65	13.87 32.21	1.0	
45UG	Mid Sussex	6.4 Q19	J		44	50.63	29.55	21.47 39.68	43	49.82	28.88	20.90 38.90	1.0	
00EC	Middlesbrough UA	40.7 Q10	A		62	45.63	46.21	35.43 59.24	62	44.90	46.21	35.42 59.23	1.0	
00MG	Milton Keynes UA	15.6 Q16	J		59	61.99	32.37	24.64 41.75	57	60.97	31.28	23.69 40.53	1.0	
43UE	Mole Valley	6.2 Q19	J		23	35.09	22.29	14.13 33.44	23	34.53	22.29	14.13 33.44	1.0	
24UJ	New Forest	10.4 Q17	J		94	85.00	37.61	30.39 46.03	93	83.65	37.20	30.03 45.58	1.0	
37UG	Newark and Sherwood	19.8 Q24	E		42	44.06	32.42	23.36 43.82	42	43.35	32.42	23.36 43.83	1.0	
00CJ	Newcastle upon Tyne	34.5 Q09	A		79	88.53	30.35	24.03 37.82	77	87.13	29.57	23.34 36.96	1.0	
41UE	Newcastle-under-Lyme	19.9 Q26	F		34	47.41	24.39	16.89 34.08	34	46.65	24.39	16.89 34.08	1.0	
00BB	Newham	40.4 Q06	H		78	46.09	57.55	45.49 71.83	75	45.34	55.36	43.54 69.39	1.0	
15UE	North Cornwall	22.8 Q21	K		42	38.56	37.04	26.69 50.07	42	37.94	37.04	26.69 50.07	1.0	
18UE	North Devon	20.6 Q21	K		39	40.06	33.11	23.54 45.26	38	39.42	32.26	22.83 44.28	1.0	
19UE	North Dorset	11.4 Q22	K		29	28.64	34.44	23.06 49.46	27	28.18	32.06	21.13 46.65	1.1	
17UJ	North East Derbyshire	18.9 Q24	E		29	41.26	23.90	16.01 34.33	29	40.60	23.90	16.01 34.33	1.0	

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N/A	ALL ENGLAND				17950	17950.00	34.01	33.51 34.51	17662	17662.00	33.46	32.97 33.96	1.0
00FC	North East Lincolnshire UA	29.4 Q11	D		37	58.57	21.48	15.13 29.61	36	57.63	20.90	14.64 28.94	1.0
26UF	North Hertfordshire	10.1 Q02	G		42	44.04	32.43	23.37 43.84	42	43.33	32.43	23.37 43.84	1.0
32UE	North Kesteven	11.5 Q24	E		36	43.39	28.22	19.76 39.07	35	42.69	27.44	19.11 38.16	1.0
00FD	North Lincolnshire UA	21.2 Q11	D		73	61.91	40.10	31.43 50.42	71	60.91	39.00	30.46 49.20	1.0
33UF	North Norfolk	16.9 Q01	G		52	54.75	32.30	24.12 42.36	51	53.88	31.67	23.58 41.65	1.0
39UC	North Shropshire	16.6 Q26	F		24	24.90	32.79	21.01 48.78	24	24.49	32.79	21.01 48.79	1.0
00HC	North Somerset UA	14.1 Q20	K		71	86.08	28.05	21.91 35.38	70	84.70	27.66	21.56 34.94	1.0
00CK	North Tyneside	26.0 Q09	A		61	75.24	27.57	21.09 35.42	59	74.04	26.67	20.30 34.40	1.0
44UB	North Warwickshire	16.4 Q28	F		10	23.48	14.48	6.94 26.63	10	23.10	14.49	6.95 26.64	1.0
31UH	North West Leicestershire	15.9 Q25	E		57	32.93	58.87	44.58 76.28	55	32.40	56.81	42.80 73.95	1.0
46UC	North Wiltshire	8.4 Q20	K		43	46.65	31.35	22.68 42.23	43	45.89	31.35	22.69 42.23	1.0
34UF	Northampton	20.2 Q25	E		52	62.54	28.28	21.12 37.08	51	61.54	27.73	20.65 36.46	1.0
33UG	Norwich	28.3 Q01	G		44	40.92	36.57	26.57 49.10	44	40.27	36.56	26.56 49.08	1.0
00FY	Nottingham UA	41.8 Q24	E		43	74.77	19.56	14.15 26.35	43	73.58	19.56	14.15 26.34	1.0
44UC	Nuneaton and Bedworth	21.2 Q28	F		29	43.54	22.65	15.17 32.53	29	42.84	22.65	15.17 32.54	1.0
31UJ	Oadby and Wigston	9.7 Q25	E		41	23.08	60.42	43.35 81.97	40	22.71	58.94	42.10 80.26	1.0
00BP	Oldham	30.7 Q14	B		102	71.08	48.81	39.79 59.25	100	69.93	47.86	38.94 58.21	1.0
39UD	Oswestry	17.1 Q26	F		10	16.14	21.07	10.10 38.75	10	15.88	21.07	10.10 38.75	1.0
38UC	Oxford	19.7 Q16	J		25	35.17	24.18	15.65 35.69	23	34.61	22.24	14.10 33.37	1.1
30UJ	Pendle	27.6 Q13	B		32	30.92	35.20	24.07 49.69	32	30.42	35.20	24.07 49.69	1.0
15UF	Penwith	29.0 Q21	K		28	31.34	30.39	20.19 43.92	27	30.84	29.30	19.31 42.63	1.0
00JA	Peterborough UA	23.4 Q01	G		65	52.03	42.49	32.79 54.15	64	51.19	41.83	32.22 53.42	1.0
00HG	Plymouth UA	26.2 Q21	K		124	87.01	48.47	40.31 57.79	122	85.62	47.68	39.60 56.93	1.0
00HP	Poole UA	14.3 Q22	K		51	60.15	28.84	21.47 37.92	51	59.20	28.83	21.46 37.91	1.0
00MR	Portsmouth UA	24.9 Q17	J		61	58.36	35.55	27.19 45.67	60	57.43	34.96	26.68 45.00	1.0
30UK	Preston	28.5 Q13	B		44	40.44	37.01	26.89 49.68	44	39.79	37.01	26.89 49.68	1.0
19UG	Purbeck	12.6 Q22	K		18	21.62	28.31	16.78 44.74	16	21.28	25.16	14.38 40.86	1.1
00MC	Reading UA	18.8 Q16	J		46	37.95	41.23	30.18 54.99	44	37.34	39.43	28.65 52.93	1.0
00BC	Redbridge	17.8 Q06	H		89	73.19	41.36	33.21 50.89	89	72.01	41.36	33.21 50.90	1.0
00EE	Redcar and Cleveland UA	30.6 Q10	A		86	54.19	53.97	43.17 66.66	85	53.32	53.35	42.61 65.97	1.0
47UD	Redditch	19.4 Q28	F		14	25.19	18.90	10.33 31.72	14	24.77	18.91	10.34 31.73	1.0
43UF	Reigate and Banstead	9.0 Q19	J		42	47.31	30.19	21.76 40.81	42	46.55	30.19	21.76 40.81	1.0

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Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		Ratio of spells to people
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51	34.51	17662	17662.00	33.46	32.97	33.96	1.0
15UG	Restormel	23.9 Q21	K		35	42.46	28.04	19.53	38.99	35	41.78	28.04	19.52	38.99	1.0
30UL	Ribble Valley	10.3 Q13	B		9	23.34	13.12	6.00	24.90	9	22.96	13.12	6.00	24.90	1.0
00BD	Richmond upon Thames	9.7 Q08	H		31	54.42	19.37	13.16	27.50	31	53.54	19.38	13.16	27.51	1.0
36UE	Richmondshire	12.5 Q11	D		20	18.60	36.57	22.34	56.48	20	18.30	36.58	22.34	56.49	1.0
00BQ	Rochdale	33.7 Q14	B		78	66.94	39.63	31.33	49.46	77	65.85	39.13	30.88	48.90	1.0
22UL	Rochford	8.7 Q03	G		29	33.65	29.31	19.63	42.10	29	33.11	29.31	19.63	42.10	1.0
30UM	Rossendale	24.1 Q13	B		23	22.22	35.20	22.31	52.81	23	21.86	35.21	22.32	52.83	1.0
21UG	Rother	16.2 Q19	J		32	49.65	21.92	14.99	30.94	31	48.87	21.23	14.42	30.13	1.0
00CF	Rotherham	28.2 Q23	D		73	91.54	27.12	21.26	34.10	72	90.06	26.75	20.93	33.69	1.0
44UD	Rugby	13.6 Q28	F		32	33.46	32.52	22.24	45.91	32	32.92	32.53	22.24	45.92	1.0
43UG	Runnymede	7.8 Q19	J		28	27.98	34.03	22.61	49.19	28	27.54	34.03	22.61	49.18	1.0
37UJ	Rushcliffe	9.0 Q24	E		16	41.18	13.21	7.55	21.46	16	40.52	13.21	7.55	21.46	1.0
24UL	Rushmoor	10.4 Q17	J		25	26.38	32.23	20.86	47.58	24	25.96	30.94	19.82	46.04	1.0
00FP	Rutland UA	6.6 Q25	E		18	15.12	40.47	23.99	63.97	17	14.88	38.23	22.27	61.21	1.1
36UF	Ryedale	12.9 Q11	D		22	23.93	31.27	19.60	47.34	22	23.54	31.27	19.60	47.34	1.0
00BR	Salford	38.2 Q14	B		113	70.53	54.49	44.91	65.51	110	69.40	53.04	43.59	63.93	1.0
46UD	Salisbury	11.8 Q20	K		38	47.83	27.02	19.12	37.09	38	47.07	27.02	19.12	37.08	1.0
00CS	Sandwell	35.4 Q27	F		103	97.86	35.79	29.22	43.41	102	96.31	35.44	28.90	43.02	1.0
36UG	Scarborough	24.1 Q11	D		53	50.05	36.01	26.98	47.11	52	49.25	35.33	26.38	46.33	1.0
20UG	Sedgefield	29.1 Q10	A		48	33.75	48.37	35.66	64.13	48	33.21	48.37	35.66	64.13	1.0
40UC	Sedgemoor	17.4 Q22	K		56	47.01	40.51	30.60	52.61	52	46.25	37.62	28.10	49.34	1.1
00CA	Sefton	26.1 Q15	B		122	119.13	34.83	28.92	41.58	121	117.24	34.54	28.66	41.27	1.0
36UH	Selby	13.1 Q11	D		32	28.87	37.70	25.78	53.22	32	28.40	37.71	25.79	53.24	1.0
29UK	Sevenoaks	9.6 Q18	J		28	44.42	21.44	14.25	30.98	28	43.71	21.44	14.25	30.98	1.0
00CG	Sheffield	28.4 Q23	D		175	177.47	33.54	28.75	38.89	174	174.64	33.34	28.57	38.68	1.0
29UL	Shepway	20.8 Q18	J		48	43.36	37.65	27.75	49.91	48	42.67	37.64	27.75	49.91	1.0
39UE	Shrewsbury and Atcham	15.7 Q26	F		31	39.28	26.84	18.23	38.10	31	38.65	26.84	18.24	38.10	1.0
00MD	Slough UA	20.9 Q16	J		57	30.51	63.53	48.12	82.32	57	30.02	63.53	48.12	82.32	1.0
00CT	Solihull	16.4 Q27	F		95	80.38	40.20	32.52	49.14	93	79.09	39.35	31.76	48.20	1.0
09UE	South Bedfordshire	12.3 Q02	G		38	40.32	32.05	22.68	43.99	37	39.67	31.21	21.97	43.03	1.0
11UE	South Bucks	8.1 Q16	J		25	25.98	32.73	21.18	48.32	25	25.56	32.73	21.18	48.32	1.0
12UG	South Cambridgeshire	6.4 Q01	G		30	49.85	20.47	13.81	29.22	30	49.04	20.47	13.81	29.22	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Females								
					CIPS					People			
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Ratio of spells to people
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51 34.51	17662	17662.00	33.46	32.97 33.96	1.0
17UK	South Derbyshire	14.8 Q24	E		50	30.52	55.72	41.35 73.46	47	30.02	52.39	38.49 69.67	1.1
00HD	South Gloucestershire UA	9.8 Q20	K		80	90.37	30.11	23.87 37.47	79	88.91	29.74	23.54 37.06	1.0
18UG	South Hams	14.2 Q21	K		28	38.02	25.05	16.64 36.20	28	37.41	25.05	16.64 36.20	1.0
32UF	South Holland	15.3 Q24	E		55	38.30	48.84	36.79 63.58	53	37.69	47.06	35.25 61.56	1.0
32UG	South Kesteven	12.2 Q24	E		57	51.18	37.88	28.69 49.08	56	50.35	37.22	28.11 48.33	1.0
16UG	South Lakeland	12.0 Q13	B		41	49.25	28.31	20.31 38.41	41	48.47	28.31	20.31 38.40	1.0
33UH	South Norfolk	10.7 Q01	G		43	51.16	28.59	20.69 38.51	43	50.33	28.59	20.69 38.51	1.0
34UG	South Northamptonshire	6.6 Q25	E		21	30.33	23.55	14.57 35.99	21	29.84	23.55	14.58 36.00	1.0
38UD	South Oxfordshire	7.7 Q16	J		28	47.72	19.96	13.26 28.84	28	46.95	19.96	13.26 28.85	1.0
30UN	South Ribble	14.0 Q13	B		49	40.28	41.37	30.60 54.69	49	39.63	41.37	30.61 54.70	1.0
39UF	South Shropshire	15.5 Q26	F		9	21.29	14.38	6.57 27.30	9	20.94	14.38	6.58 27.30	1.0
40UD	South Somerset	13.7 Q22	K		37	69.03	18.23	12.83 25.13	37	67.92	18.23	12.83 25.13	1.0
41UF	South Staffordshire	11.7 Q26	F		53	44.64	40.38	30.24 52.82	52	43.92	39.62	29.59 51.96	1.0
00CL	South Tyneside	33.1 Q09	A		61	58.75	35.31	27.01 45.36	60	57.82	34.73	26.50 44.70	1.0
00MS	Southampton UA	23.7 Q17	J		66	63.95	35.10	27.14 44.65	66	62.94	35.09	27.14 44.64	1.0
00KF	Southend-On-Sea UA	21.7 Q03	G		40	62.47	21.78	15.56 29.66	40	61.48	21.77	15.55 29.65	1.0
00BE	Southwark	35.4 Q07	H		63	57.92	36.99	28.42 47.33	61	56.99	35.82	27.40 46.01	1.0
43UH	Spelthorne	10.4 Q19	J		25	34.29	24.80	16.05 36.61	24	33.74	23.80	15.25 35.42	1.0
26UG	St. Albans	7.7 Q02	G		39	44.06	30.11	21.41 41.16	39	43.35	30.10	21.40 41.15	1.0
42UF	St. Edmundsbury	11.5 Q01	G		52	40.09	44.11	32.94 57.85	51	39.44	43.27	32.21 56.89	1.0
00BZ	St. Helens	32.0 Q15	B		78	65.93	40.24	31.80 50.22	78	64.86	40.24	31.81 50.22	1.0
41UG	Stafford	12.9 Q26	F		39	50.02	26.51	18.85 36.25	39	49.21	26.52	18.86 36.25	1.0
41UH	Staffordshire Moorlands	16.5 Q26	F		34	40.72	28.39	19.66 39.68	33	40.07	27.56	18.97 38.71	1.0
26UH	Stevenage	15.6 Q02	G		37	25.94	48.50	34.14 66.85	37	25.53	48.50	34.14 66.85	1.0
00BS	Stockport	18.1 Q14	B		120	107.62	37.92	31.44 45.34	117	105.90	36.97	30.58 44.31	1.0
00EF	Stockton-On-Tees UA	26.3 Q10	A		95	64.88	49.79	40.29 60.87	94	63.84	49.28	39.82 60.30	1.0
00GL	Stoke-On-Trent UA	35.3 Q26	F		73	83.11	29.87	23.41 37.56	70	81.78	28.64	22.33 36.19	1.0
44UE	Stratford-On-Avon	8.8 Q28	F		36	51.44	23.80	16.67 32.95	36	50.61	23.80	16.67 32.96	1.0
23UF	Stroud	10.2 Q20	K		39	44.47	29.83	21.21 40.78	38	43.75	29.07	20.57 39.90	1.0
42UG	Suffolk Coastal	11.5 Q01	G		54	56.25	32.65	24.53 42.60	54	55.35	32.65	24.52 42.60	1.0
00CM	Sunderland	34.2 Q09	A		147	102.36	48.84	41.26 57.41	145	100.71	48.18	40.66 56.69	1.0
43UJ	Surrey Heath	4.9 Q19	J		33	29.15	38.50	26.50 54.07	33	28.68	38.51	26.50 54.08	1.0

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Females									Ratio of spells to people
					CIPS				People					
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval		
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51 34.51	17662	17662.00	33.46	32.97 33.96	1.0	
00BF	Sutton	13.3 Q08	H		61	59.27	35.00	26.77 44.96	61	58.32	35.00	26.77 44.96	1.0	
29UM	Swale	20.9 Q18	J		35	45.60	26.10	18.18 36.30	34	44.87	25.36	17.56 35.44	1.0	
00HX	Swindon UA	17.2 Q20	K		50	61.31	27.73	20.58 36.56	47	60.33	26.07	19.15 34.67	1.1	
00BT	Tameside	29.8 Q14	B		102	73.05	47.49	38.72 57.65	100	71.87	46.56	37.88 56.63	1.0	
41UK	Tamworth	19.7 Q26	F		32	23.82	45.70	31.25 64.51	32	23.42	45.71	31.26 64.54	1.0	
43UK	Tandridge	8.3 Q19	J		30	31.89	31.99	21.58 45.67	30	31.38	31.99	21.58 45.67	1.0	
40UE	Taunton Deane	16.3 Q22	K		40	44.56	30.53	21.81 41.57	40	43.85	30.52	21.80 41.57	1.0	
20UH	Teesdale	16.4 Q10	A		11	11.04	33.88	16.91 60.62	11	10.86	33.89	16.92 60.63	1.0	
18UH	Teignbridge	17.0 Q21	K		35	58.28	20.43	14.23 28.41	35	57.35	20.42	14.22 28.40	1.0	
00GF	Telford and Wrekin UA	21.8 Q26	F		52	52.34	33.79	25.23 44.31	51	51.48	33.15	24.68 43.59	1.0	
22UN	Tendring	23.1 Q03	G		75	75.87	33.62	26.44 42.14	75	74.67	33.61	26.43 42.13	1.0	
24UN	Test Valley	8.7 Q17	J		27	42.43	21.64	14.26 31.49	27	41.74	21.65	14.27 31.50	1.0	
23UG	Tewkesbury	10.1 Q20	K		39	32.54	40.76	28.98 55.73	39	32.01	40.77	28.98 55.73	1.0	
29UN	Thanet	25.6 Q18	J		67	56.87	40.07	31.05 50.89	67	55.97	40.06	31.04 50.88	1.0	
26UJ	Three Rivers	9.4 Q02	G		29	31.21	31.60	21.16 45.38	29	30.71	31.60	21.16 45.38	1.0	
00KG	Thurrock UA	21.2 Q03	G		39	46.35	28.62	20.35 39.12	39	45.60	28.62	20.35 39.12	1.0	
29UP	Tonbridge and Malling	9.6 Q18	J		34	41.84	27.64	19.14 38.62	34	41.16	27.64	19.14 38.63	1.0	
00HH	Torbay UA	23.7 Q21	K		34	61.97	18.66	12.92 26.08	34	60.99	18.66	12.92 26.07	1.0	
18UK	Torridge	21.4 Q21	K		26	29.88	29.59	19.33 43.35	26	29.40	29.59	19.33 43.36	1.0	
00BG	Tower Hamlets	45.9 Q06	H		55	36.42	51.36	38.69 66.86	54	35.83	50.43	37.88 65.80	1.0	
00BU	Trafford	20.2 Q14	B		80	74.97	36.29	28.78 45.17	79	73.77	35.84	28.37 44.66	1.0	
29UQ	Tunbridge Wells	10.5 Q18	J		30	40.00	25.51	17.21 36.41	30	39.36	25.50	17.21 36.41	1.0	
35UF	Tynedale	15.5 Q09	A		21	25.99	27.47	17.01 42.00	21	25.57	27.48	17.01 42.00	1.0	
22UQ	Uttlesford	6.7 Q03	G		10	27.07	12.57	6.03 23.11	10	26.63	12.57	6.03 23.11	1.0	
38UE	Vale of White Horse	6.9 Q16	J		19	43.21	14.95	9.00 23.35	19	42.52	14.95	9.00 23.35	1.0	
13UH	Vale Royal	17.1 Q15	B		36	47.42	25.82	18.08 35.74	36	46.66	25.82	18.08 35.75	1.0	
00DB	Wakefield	29.1 Q12	D		121	115.14	35.74	29.65 42.70	116	113.29	34.27	28.31 41.10	1.0	
00CU	Walsall	29.4 Q27	F		115	93.32	41.91	34.60 50.31	113	91.83	41.18	33.94 49.51	1.0	
00BH	Waltham Forest	30.2 Q06	H		83	54.41	51.88	41.32 64.32	82	53.52	51.27	40.77 63.64	1.0	
00BJ	Wandsworth	20.9 Q08	H		55	60.21	31.07	23.40 40.44	54	59.24	30.50	22.91 39.80	1.0	
35UG	Wansbeck	30.5 Q09	A		32	23.90	45.54	31.15 64.30	30	23.51	42.70	28.81 60.96	1.1	
00EU	Warrington UA	19.4 Q15	B		62	68.06	30.98	23.75 39.71	62	66.96	30.99	23.76 39.72	1.0	

HES data 2009-2011: CIPS file v1Eng					Coronary revascularisationall ages, Females								
					CIPS				People				Ratio of spells to people
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	Obs.	Exp.	indirect rate per 100,000	95% Confidence interval	
N/A	ALL ENGLAND				17950	17950.00	34.01	33.51 34.51	17662	17662.00	33.46	32.97 33.96	1.0
44UF	Warwick	12.6 Q28	F		28	47.63	19.99	13.29 28.90	28	46.87	19.99	13.29 28.90	1.0
26UK	Watford	14.5 Q02	G		32	23.80	45.73	31.27 64.55	32	23.42	45.72	31.27 64.55	1.0
42UH	Waveney	21.8 Q01	G		46	53.84	29.05	21.27 38.76	45	52.99	28.42	20.73 38.03	1.0
43UL	Waverley	6.2 Q19	J		37	46.97	26.79	18.86 36.93	36	46.22	26.07	18.25 36.09	1.0
21UH	Wealden	9.4 Q19	J		47	66.91	23.89	17.55 31.77	47	65.85	23.89	17.55 31.76	1.0
20UJ	Wear Valley	32.6 Q10	A		28	24.88	38.27	25.43 55.32	27	24.48	36.91	24.32 53.70	1.0
34UH	Wellingborough	17.5 Q25	E		42	26.36	54.19	39.05 73.25	39	25.93	50.32	35.78 68.80	1.1
26UL	Welwyn Hatfield	12.6 Q02	G		38	35.82	36.08	25.53 49.53	38	35.25	36.07	25.53 49.52	1.0
00MB	West Berkshire UA	7.9 Q16	J		33	49.27	22.78	15.68 31.99	33	48.47	22.78	15.68 32.00	1.0
18UL	West Devon	16.3 Q21	K		32	23.93	45.48	31.11 64.21	32	23.54	45.49	31.11 64.21	1.0
19UH	West Dorset	13.3 Q22	K		34	50.25	23.01	15.93 32.16	33	49.45	22.33	15.37 31.36	1.0
30UP	West Lancashire	21.1 Q13	B		41	42.78	32.59	23.39 44.21	41	42.09	32.60	23.39 44.22	1.0
32UH	West Lindsey	17.7 Q24	E		25	36.50	23.29	15.07 34.38	25	35.91	23.30	15.08 34.39	1.0
38UF	West Oxfordshire	6.3 Q16	J		28	38.51	24.73	16.43 35.74	28	37.89	24.73	16.43 35.74	1.0
40UF	West Somerset	22.1 Q22	K		9	19.84	15.43	7.05 29.28	9	19.53	15.42	7.05 29.28	1.0
46UF	West Wiltshire	12.0 Q20	K		46	49.59	31.55	23.10 42.08	45	48.79	30.87	22.51 41.30	1.0
00BK	Westminster	31.7 Q04	H		53	61.10	29.50	22.10 38.59	51	60.11	28.39	21.14 37.33	1.0
19UJ	Weymouth and Portland	21.2 Q22	K		24	27.07	30.15	19.32 44.86	23	26.64	28.89	18.31 43.35	1.0
00BW	Wigan	29.3 Q14	B		129	107.16	40.94	34.18 48.65	127	105.41	40.32	33.61 47.97	1.0
24UP	Winchester	7.0 Q17	J		29	42.79	23.05	15.44 33.10	29	42.11	23.05	15.44 33.10	1.0
00ME	Windsor and Maidenhead UA	8.2 Q16	J		54	48.88	37.57	28.22 49.02	52	48.10	36.18	27.02 47.45	1.0
00CB	Wirral	30.1 Q15	B		146	125.59	39.54	33.38 46.49	146	123.59	39.53	33.38 46.49	1.0
43UM	Woking	7.3 Q19	J		24	30.40	26.85	17.20 39.95	23	29.91	25.73	16.31 38.61	1.0
00MF	Wokingham UA	5.1 Q16	J		36	50.16	24.41	17.09 33.79	35	49.34	23.74	16.53 33.01	1.0
00CW	Wolverhampton	32.2 Q27	F		91	83.34	37.13	29.90 45.59	90	82.02	36.72	29.53 45.14	1.0
47UE	Worcester	17.7 Q28	F		30	30.80	33.13	22.35 47.29	30	30.30	33.13	22.35 47.29	1.0
45UH	Worthing	15.7 Q19	J		35	43.63	27.28	19.00 37.94	35	42.95	27.27	18.99 37.93	1.0
47UF	Wychavon	11.3 Q28	F		31	48.75	21.63	14.69 30.70	31	47.97	21.63	14.69 30.70	1.0
11UF	Wycombe	9.7 Q16	J		48	54.61	29.89	22.04 39.63	48	53.73	29.90	22.04 39.64	1.0
30UQ	Wyre	17.8 Q13	B		61	53.52	38.76	29.65 49.79	61	52.67	38.76	29.64 49.79	1.0
47UG	Wyre Forest	17.8 Q28	F		36	40.54	30.20	21.15 41.81	34	39.89	28.53	19.75 39.86	1.1
00FF	York UA	14.5 Q11	D		97	69.21	47.67	38.65 58.15	96	68.11	47.17	38.20 57.60	1.0

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval		indirect rate per 100,000
Corby	58.73	108.52	80.83
Leicester UA	68.32	91.86	79.44
Charnwood	58.41	84.92	70.75
Slough UA	48.12	82.32	63.53
Blackpool UA	51.22	76.26	62.82
Knowsley	49.79	75.24	61.55
Oadby and Wigston	43.35	81.97	60.42
East Staffordshire	46.58	75.23	59.64
North West Leicestershire	44.58	76.28	58.87
Manchester	50.05	67.07	58.10
Newham	45.49	71.83	57.55
South Derbyshire	41.35	73.46	55.72
Hounslow	44.26	67.65	55.04
Ealing	45.66	65.26	54.81
Harborough	40.60	71.71	54.54
Salford	44.91	65.51	54.49
Wellingtonborough	39.05	73.25	54.19
Redcar and Cleveland UA	43.17	66.66	53.97
Kettering	39.60	71.21	53.71
Fylde	39.91	68.28	52.70
Waltham Forest	41.32	64.32	51.88
Liverpool	44.88	59.03	51.60
Easington	38.86	67.15	51.59
Tower Hamlets	38.69	66.86	51.36
Melton	33.30	72.43	50.11
Kingston upon Hull, City of UA	41.36	60.13	50.09
Stockton-On-Tees UA	40.29	60.87	49.79
Sunderland	41.26	57.41	48.84
South Holland	36.79	63.58	48.84
Oldham	39.79	59.25	48.81
Stevenage	34.14	66.85	48.50
Plymouth UA	40.31	57.79	48.47
Sedgefield	35.66	64.13	48.37
York UA	38.65	58.15	47.67
Tameside	38.72	57.65	47.49
Greenwich	37.62	58.88	47.37
Hartlepool UA	34.59	63.03	47.26
Halton UA	35.27	61.27	46.95
Hinckley and Bosworth	35.12	60.69	46.62
Caradon	34.36	61.03	46.29
Middlesborough UA	35.43	59.24	46.21
Watford	31.27	64.55	45.73
Tamworth	31.25	64.51	45.70
Mid Bedfordshire	34.68	59.05	45.68
Wansbeck	31.15	64.30	45.54
Blaby	33.45	60.55	45.53
West Devon	31.11	64.21	45.48
Lewisham	36.00	56.51	45.40
Brent	36.53	55.32	45.20
East Devon	36.21	54.95	44.86
Bedford	34.59	56.47	44.55
Bournemouth UA	35.17	54.90	44.23
St. Edmundsbury	32.94	57.85	44.11
Durham	31.31	59.68	43.83
Lambeth	34.04	55.37	43.75
Burnley	30.66	59.48	43.34
Boston	29.43	60.75	43.03
Basildon	33.45	53.30	42.52
Peterborough UA	32.79	54.15	42.49
Walsall	34.60	50.31	41.91

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval		indirect rate per 100,000
Hackney	31.05	54.83	41.70
Barrow-In-Furness	28.68	58.52	41.67
Bristol, City of UA	34.93	48.88	41.47
South Ribble	30.60	54.69	41.37
Redbridge	33.21	50.89	41.36
Bromley	34.62	48.87	41.29
Reading UA	30.18	54.99	41.23
Huntingdonshire	31.95	52.16	41.15
Wigan	34.18	48.65	40.94
Barking and Dagenham	30.84	53.28	40.93
Bexley	33.05	49.94	40.85
Tewkesbury	28.98	55.73	40.76
Hyndburn	28.03	57.20	40.73
Sedgemoor	30.60	52.61	40.51
Rutland UA	23.99	63.97	40.47
South Staffordshire	30.24	52.82	40.38
St. Helens	31.80	50.22	40.24
Solihull	32.52	49.14	40.20
Ipswich	29.63	53.29	40.19
North Lincolnshire UA	31.43	50.42	40.10
Copeland	27.41	56.59	40.09
Havering	32.81	48.46	40.07
Thanet	31.05	50.89	40.07
High Peak	28.46	54.72	40.02
Rochdale	31.33	49.46	39.63
Wirral	33.38	46.49	39.54
East Dorset	29.62	51.44	39.43
Croydon	32.39	47.10	39.24
Fenland	28.32	52.33	38.98
Wyre	29.65	49.79	38.76
East Cambridgeshire	26.98	53.88	38.74
Arun	30.85	47.51	38.52
Surrey Heath	26.50	54.07	38.50
Birmingham	34.38	42.82	38.42
Wear Valley	25.43	55.32	38.27
Broxbourne	26.80	52.99	38.27
Blackburn with Darwen UA	27.91	51.21	38.27
Bracknell Forest UA	26.69	52.76	38.11
Stockport	31.44	45.34	37.92
South Kesteven	28.69	49.08	37.88
Lancaster	28.71	48.89	37.82
Selby	25.78	53.22	37.70
Bury	29.38	47.62	37.69
Shepway	27.75	49.91	37.65
New Forest	30.39	46.03	37.61
Windsor and Maidenhead UA	28.22	49.02	37.57
Kings Lynn and West Norfolk	29.28	47.13	37.43
East Northamptonshire	25.42	52.47	37.17
Wolverhampton	29.90	45.59	37.13
North Cornwall	26.69	50.07	37.04
Darlington UA	26.56	50.22	37.02
Preston	26.89	49.68	37.01
Southwark	28.42	47.33	36.99
Mansfield	26.23	50.01	36.72
Allerdale	26.48	49.30	36.60
Richmondshire	22.34	56.48	36.57
Norwich	26.57	49.10	36.57
Gravesham	25.64	50.19	36.41
Trafford	28.78	45.17	36.29
Havant	27.30	47.18	36.24

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval		indirect rate per 100,000
Leeds	31.89	40.94	36.21
Mid Devon	24.91	50.82	36.19
Welwyn Hatfield	25.53	49.53	36.08
Hertsmere	25.25	49.92	36.06
Scarborough	26.98	47.11	36.01
Cannock Chase	24.79	50.03	35.80
Sandwell	29.22	43.41	35.79
Wakefield	29.65	42.70	35.74
Harrow	27.99	44.76	35.65
Gosport	24.15	50.47	35.56
Portsmouth UA	27.19	45.67	35.55
Derby UA	28.26	44.11	35.54
Lichfield	25.42	48.06	35.42
South Tyneside	27.01	45.36	35.31
Great Yarmouth	25.42	47.67	35.27
Rossendale	22.31	52.81	35.20
Pendle	24.07	49.69	35.20
Southampton UA	27.14	44.65	35.10
Sutton	26.77	44.96	35.00
Chorley	24.74	47.99	34.97
Sefton	28.92	41.58	34.83
Gloucester	24.43	47.39	34.53
East Riding of Yorkshire UA	29.10	40.58	34.49
North Dorset	23.06	49.46	34.44
Dover	25.15	45.82	34.35
Runnymede	22.61	49.19	34.03
East Lindsey	26.42	43.13	34.02
Bradford	28.79	39.87	34.00
Teesdale	16.91	60.62	33.88
Telford and Wrekin UA	25.23	44.31	33.79
Tendring	26.44	42.14	33.62
Sheffield	28.75	38.89	33.54
Doncaster	27.33	40.37	33.38
Mendip	23.98	44.99	33.28
Barnsley	26.34	41.35	33.22
Merton	24.74	43.44	33.13
Worcester	22.35	47.29	33.13
North Devon	23.54	45.26	33.11
Fareham	24.10	44.22	33.05
Christchurch	21.54	48.33	32.98
Crawley	22.34	46.69	32.89
North Shropshire	21.01	48.78	32.79
Castle Morpeth	20.28	50.09	32.76
South Bucks	21.18	48.32	32.73
Suffolk Coastal	24.53	42.60	32.65
West Lancashire	23.39	44.21	32.59
Rugby	22.24	45.91	32.52
North Hertfordshire	23.37	43.84	32.43
Newark and Sherwood	23.36	43.82	32.42
Milton Keynes UA	24.64	41.75	32.37
Exeter	22.75	44.55	32.32
North Norfolk	24.12	42.36	32.30
Rushmoor	20.86	47.58	32.23
Dudley	26.43	38.70	32.13
South Bedfordshire	22.68	43.99	32.05
Tandridge	21.58	45.67	31.99
Chelmsford	24.00	41.68	31.94
Braintree	23.39	42.34	31.84
Ashfield	22.63	43.52	31.83
Bolton	25.26	39.32	31.72

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval	indirect rate per 100,000
Hambleton	22.07 44.08	31.70
Three Rivers	21.16 45.38	31.60
Bath and North East Somerset	24.11 40.67	31.59
West Wiltshire	23.10 42.08	31.55
North Wiltshire	22.68 42.23	31.35
Kingston upon Thames	22.47 42.48	31.31
Carlisle	22.14 42.95	31.29
Ryedale	19.60 47.34	31.27
Forest of Dean	21.19 44.28	31.19
Craven	19.76 46.77	31.17
Canterbury	23.23 40.79	31.11
Wandsworth	23.40 40.44	31.07
Warrington UA	23.75 39.71	30.98
Dartford	20.39 45.02	30.94
Lincoln	20.02 45.66	30.93
Luton UA	22.41 41.11	30.72
Enfield	24.09 38.28	30.58
Taunton Deane	21.81 41.57	30.53
Babergh	20.98 42.81	30.48
Bolsover	19.72 44.98	30.47
Penwith	20.19 43.92	30.39
Newcastle upon Tyne	24.03 37.82	30.35
Chichester	22.31 40.11	30.25
Wyre Forest	21.15 41.81	30.20
Amber Valley	21.67 40.96	30.19
Reigate and Banstead	21.76 40.81	30.19
Weymouth and Portland	19.32 44.86	30.15
South Gloucestershire UA	23.87 37.47	30.11
St. Albans	21.41 41.16	30.11
Wycombe	22.04 39.63	29.89
Stoke-On-Trent UA	23.41 37.56	29.87
Kirklees	24.68 35.83	29.87
Stroud	21.21 40.78	29.83
Calderdale	22.81 38.30	29.82
Bridgnorth	18.10 45.75	29.63
Torridge	19.33 43.35	29.59
Mid Sussex	21.47 39.68	29.55
Westminster	22.10 38.59	29.50
Rochford	19.63 42.10	29.31
Waveney	21.27 38.76	29.05
Barnet	23.33 35.75	29.05
Harlow	18.36 43.45	28.96
Brighton and Hove UA	22.31 36.85	28.91
Derwentside	19.32 41.44	28.85
Poole UA	21.47 37.92	28.84
Eastbourne	20.31 39.41	28.71
Thurrock UA	20.35 39.12	28.62
South Norfolk	20.69 38.51	28.59
Lewes	20.14 39.07	28.46
Staffordshire Moorlands	19.66 39.68	28.39
Islington	19.50 39.79	28.34
South Lakeland	20.31 38.41	28.31
Purbeck	16.78 44.74	28.31
Northampton	21.12 37.08	28.28
North Kesteven	19.76 39.07	28.22
Breckland	20.53 37.66	28.14
Carrick	19.37 39.52	28.14
North Somerset UA	21.91 35.38	28.05
Restormel	19.53 38.99	28.04
Cotswold	18.92 40.02	28.04

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval	indirect rate per 100,000
Chester-Le-Street	16.24 44.64	27.88
Swindon UA	20.58 36.56	27.73
Cheltenham	19.08 38.94	27.73
Tonbridge and Malling	19.14 38.62	27.64
Hastings	18.03 40.45	27.60
Brentwood	17.50 41.41	27.60
North Tyneside	21.09 35.42	27.57
Congleton	18.56 39.26	27.50
Tynedale	17.01 42.00	27.47
Eastleigh	18.91 38.16	27.31
Adur	17.11 41.33	27.30
Worthing	19.00 37.94	27.28
Chester	19.10 37.39	27.13
Rotherham	21.26 34.10	27.12
Salisbury	19.12 37.09	27.02
Gateshead	20.51 34.93	27.02
Hart	17.23 40.01	26.89
Woking	17.20 39.95	26.85
Shrewsbury and Atcham	18.23 38.10	26.84
Haringey	19.17 36.55	26.84
Waverley	18.86 36.93	26.79
Stafford	18.85 36.25	26.51
Kerrier	18.07 37.30	26.42
Swale	18.18 36.30	26.10
Ashford	17.60 36.77	25.90
Vale Royal	18.08 35.74	25.82
Ellesmere Port and Neston	16.37 38.02	25.55
Coventry	19.98 32.16	25.54
Colchester	18.47 34.38	25.52
Tunbridge Wells	17.21 36.41	25.51
Berwick-upon-Tweed	12.11 46.44	25.25
Crewe and Nantwich	17.17 35.45	25.11
South Hams	16.64 36.20	25.05
East Hampshire	17.03 35.15	24.90
Spelthorne	16.05 36.61	24.80
West Oxfordshire	16.43 35.74	24.73
Basingstoke and Deane	17.37 34.00	24.67
Maidstone	17.49 33.63	24.60
Kennet	15.19 37.51	24.54
Horsham	17.22 33.71	24.45
Wokingham UA	17.09 33.79	24.41
Newcastle-under-Lyme	16.89 34.08	24.39
Erewash	16.30 34.95	24.34
Oxford	15.65 35.69	24.18
Herefordshire, County of UA	18.25 31.37	24.16
Hillingdon	18.02 31.29	23.98
North East Derbyshire	16.01 34.33	23.90
Wealden	17.55 31.77	23.89
Stratford-On-Avon	16.67 32.95	23.80
Derbyshire Dales	14.87 35.92	23.73
Epsom and Ewell	14.01 37.35	23.63
South Northamptonshire	14.57 35.99	23.55
West Lindsey	15.07 34.38	23.29
Winchester	15.44 33.10	23.05
West Dorset	15.93 32.16	23.01
Epping Forest	15.58 32.55	22.93
West Berkshire UA	15.68 31.99	22.78
Forest Heath	12.12 38.92	22.76
Nuneaton and Bedworth	15.17 32.53	22.65
Cherwell	15.19 32.14	22.52

Coronary revascularisation :
Spell-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval		indirect rate per 100,000
Mole Valley	14.13	33.44	22.29
Harrogate	15.91	30.09	22.18
Elmbridge	14.77	31.66	22.05
Rother	14.99	30.94	21.92
Southend-On-Sea UA	15.56	29.66	21.78
Mid Suffolk	13.87	32.21	21.64
Test Valley	14.26	31.49	21.64
Wychavon	14.69	30.70	21.63
Blyth Valley	12.97	33.65	21.55
Medway UA	15.98	28.39	21.53
Macclesfield	15.37	29.30	21.51
North East Lincolnshire UA	15.13	29.61	21.48
Sevenoaks	14.25	30.98	21.44
East Hertfordshire	14.10	30.67	21.22
Oswestry	10.10	38.75	21.07
Maldon	11.60	34.19	20.73
Camden	13.98	29.58	20.72
Isle of Wight UA	14.78	28.17	20.69
South Cambridgeshire	13.81	29.22	20.47
Teignbridge	14.23	28.41	20.43
Dacorum	13.54	29.03	20.21
Daventry	11.50	32.68	20.13
Chiltern	12.38	30.58	20.01
Warwick	13.29	28.90	19.99
South Oxfordshire	13.26	28.84	19.96
Hammersmith and Fulham	12.63	29.89	19.92
Guildford	12.88	28.90	19.72
Cambridge	11.43	31.41	19.62
Kensington and Chelsea	13.21	27.95	19.58
Nottingham UA	14.15	26.35	19.56
Richmond upon Thames	13.16	27.50	19.37
Chesterfield	12.01	29.00	19.16
Broxtowe	12.12	28.69	19.12
Redditch	10.33	31.72	18.90
Torbay UA	12.92	26.08	18.66
Bassetlaw	11.66	27.59	18.39
Broadland	12.23	26.22	18.25
South Somerset	12.83	25.13	18.23
Castle Point	10.67	26.97	17.46
Eden	8.35	29.95	16.74
West Somerset	7.05	29.28	15.43
Vale of White Horse	9.00	23.35	14.95
North Warwickshire	6.94	26.63	14.48
South Shropshire	6.57	27.30	14.38
Bromsgrove	7.62	22.46	13.62
Rushcliffe	7.55	21.46	13.21
Ribble Valley	6.00	24.90	13.12
Malvern Hills	6.79	21.79	12.74
Aylesbury Vale	7.88	19.46	12.73
Uttlesford	6.03	23.11	12.57
Gedling	7.13	20.26	12.48
Alnwick	1.40	19.88	6.80

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval	indirect rate per 100,000
Leicester UA	66.70 89.99	77.69
Corby	54.06 102.21	75.34
Charnwood	55.62 81.57	67.68
Slough UA	48.12 82.32	63.53
Blackpool UA	51.21 76.25	62.81
Knowsley	48.63 73.81	60.25
Oadby and Wigston	42.10 80.26	58.94
Manchester	50.04 67.06	58.09
East Staffordshire	44.35 72.41	57.12
North West Leicestershire	42.80 73.95	56.81
Newham	43.54 69.39	55.36
Hounslow	44.27 67.67	55.05
Ealing	45.27 64.79	54.38
Harborough	39.69 70.50	53.47
Redcar and Cleveland UA	42.61 65.97	53.35
Salford	43.59 63.93	53.04
Fylde	39.90 68.26	52.69
South Derbyshire	38.49 69.67	52.39
Waltham Forest	40.77 63.64	51.27
Liverpool	43.97 57.99	50.62
Tower Hamlets	37.88 65.80	50.43
Wellingborough	35.78 68.80	50.32
Melton	33.31 72.44	50.12
Easington	37.23 65.03	49.71
Stockton-On-Tees UA	39.82 60.30	49.28
Stevenage	34.14 66.85	48.50
Sedgefield	35.66 64.13	48.37
Sunderland	40.66 56.69	48.18
Kettering	34.82 64.82	48.12
Oldham	38.94 58.21	47.86
Plymouth UA	39.60 56.93	47.68
Kingston upon Hull, City of UA	38.98 57.27	47.47
Hartlepool UA	34.60 63.04	47.26
York UA	38.20 57.60	47.17
South Holland	35.25 61.56	47.06
Greenwich	37.09 58.22	46.78
Tameside	37.88 56.63	46.56
Caradon	34.36 61.04	46.30
Middlesborough UA	35.42 59.23	46.21
Watford	31.27 64.55	45.72
Tamworth	31.26 64.54	45.71
Mid Bedfordshire	34.70 59.07	45.69
Blaby	33.46 60.56	45.54
West Devon	31.11 64.21	45.49
Halton UA	33.78 59.32	45.23
Lewisham	35.50 55.89	44.84
Hinckley and Bosworth	32.92 57.81	44.09
Bedford	34.01 55.74	43.89
East Devon	34.89 53.34	43.40
Burnley	30.66 59.49	43.34
Brent	34.80 53.20	43.28
St. Edmundsbury	32.21 56.89	43.27
Lambeth	33.49 54.68	43.13
Wansbeck	28.81 60.96	42.70
Bournemouth UA	33.23 52.48	42.05
Basildon	32.94 52.67	41.96
Peterborough UA	32.22 53.42	41.83
Hackney	31.05 54.84	41.71
Boston	28.32 59.17	41.69
South Ribble	30.61 54.70	41.37

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval	indirect rate per 100,000
Redbridge	33.21 50.90	41.36
Walsall	33.94 49.51	41.18
Bristol, City of UA	34.65 48.55	41.17
Barking and Dagenham	30.83 53.27	40.92
Tewkesbury	28.98 55.73	40.77
Bromley	34.05 48.20	40.67
Durham	28.54 55.89	40.54
Barrow-In-Furness	27.63 57.04	40.40
Wigan	33.61 47.97	40.32
St. Helens	31.81 50.22	40.24
Ipswich	29.63 53.28	40.18
Copeland	27.42 56.60	40.09
Thanet	31.04 50.88	40.06
High Peak	28.46 54.72	40.03
Bexley	32.27 48.99	39.99
South Staffordshire	29.59 51.96	39.62
Wirral	33.38 46.49	39.53
Hyndburn	27.01 55.76	39.50
Reading UA	28.65 52.93	39.43
Solihull	31.76 48.20	39.35
Rochdale	30.88 48.90	39.13
North Lincolnshire UA	30.46 49.20	39.00
Fenland	28.32 52.32	38.97
Havering	31.77 47.21	38.93
Croydon	32.09 46.74	38.90
Wyre	29.64 49.79	38.76
East Cambridgeshire	26.98 53.88	38.74
Surrey Heath	26.50 54.08	38.51
Broxbourne	26.80 52.99	38.27
Rutland UA	22.27 61.21	38.23
Huntingdonshire	29.30 48.79	38.13
Birmingham	34.04 42.44	38.07
East Dorset	28.35 49.78	37.96
Lancaster	28.71 48.88	37.81
Selby	25.79 53.24	37.71
Bury	29.38 47.62	37.69
Shepway	27.75 49.91	37.64
Sedgemoor	28.10 49.34	37.62
Blackburn with Darwen UA	27.19 50.24	37.42
South Kesteven	28.11 48.33	37.22
New Forest	30.03 45.58	37.20
Bracknell Forest UA	25.81 51.54	37.06
North Cornwall	26.69 50.07	37.04
Darlington UA	26.56 50.21	37.01
Preston	26.89 49.68	37.01
Stockport	30.58 44.31	36.97
Wear Valley	24.32 53.70	36.91
Arun	29.26 45.54	36.73
Mansfield	26.23 50.01	36.73
Wolverhampton	29.53 45.14	36.72
Richmondshire	22.34 56.49	36.58
Norwich	26.56 49.08	36.56
Gravesham	25.64 50.20	36.42
Kings Lynn and West Norfolk	28.36 45.97	36.38
Mid Devon	24.91 50.83	36.19
Windsor and Maidenhead UA	27.02 47.45	36.18
Welwyn Hatfield	25.53 49.52	36.07
Hertsmere	25.25 49.92	36.05
Trafford	28.37 44.66	35.84
Southwark	27.40 46.01	35.82

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval		indirect rate per 100,000
Allerdale	25.76	48.32	35.75
Harrow	27.99	44.76	35.65
Havant	26.73	46.43	35.58
Gosport	24.15	50.47	35.55
Leeds	31.22	40.18	35.49
Sandwell	28.90	43.02	35.44
Lichfield	25.43	48.07	35.43
Scarborough	26.38	46.33	35.33
Rossendale	22.32	52.83	35.21
Pendle	24.07	49.69	35.20
Southampton UA	27.14	44.64	35.09
Sutton	26.77	44.96	35.00
Chorley	24.75	48.01	34.98
Portsmouth UA	26.68	45.00	34.96
East Northamptonshire	23.52	49.75	34.85
Cannock Chase	23.92	48.81	34.75
South Tyneside	26.50	44.70	34.73
Derby UA	27.49	43.14	34.67
Sefton	28.66	41.27	34.54
Dover	25.15	45.82	34.35
Wakefield	28.31	41.10	34.27
Runnymede	22.61	49.18	34.03
Teesdale	16.92	60.63	33.89
East Riding of Yorkshire UA	28.45	39.81	33.78
Bradford	28.58	39.63	33.77
Gloucester	23.67	46.34	33.62
Tendring	26.43	42.13	33.61
Great Yarmouth	23.99	45.74	33.59
East Lindsey	25.98	42.58	33.53
Doncaster	27.33	40.37	33.38
Sheffield	28.57	38.68	33.34
Telford and Wrekin UA	24.68	43.59	33.15
Worcester	22.35	47.29	33.13
Merton	24.74	43.44	33.13
Christchurch	21.53	48.30	32.96
Crawley	22.34	46.68	32.88
Barnsley	25.98	40.90	32.81
North Shropshire	21.01	48.79	32.79
Castle Morpeth	20.28	50.09	32.76
South Bucks	21.18	48.32	32.73
Suffolk Coastal	24.52	42.60	32.65
West Lancashire	23.39	44.22	32.60
Rugby	22.24	45.92	32.53
North Hertfordshire	23.37	43.84	32.43
Newark and Sherwood	23.36	43.83	32.42
Fareham	23.48	43.38	32.31
North Devon	22.83	44.28	32.26
North Dorset	21.13	46.65	32.06
Tandridge	21.58	45.67	31.99
Chelmsford	24.00	41.68	31.95
Dudley	26.17	38.38	31.84
Braintree	23.39	42.34	31.84
Ashfield	22.64	43.53	31.84
Mendip	22.64	43.16	31.70
North Norfolk	23.58	41.65	31.67
Three Rivers	21.16	45.38	31.60
Exeter	22.01	43.52	31.44
North Wiltshire	22.69	42.23	31.35
Milton Keynes UA	23.69	40.53	31.28
Ryedale	19.60	47.34	31.27

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval	indirect rate per 100,000
South Bedfordshire	21.97 43.03	31.21
Warrington UA	23.76 39.72	30.99
Bolton	24.58 38.47	30.95
Rushmoor	19.82 46.04	30.94
Dartford	20.39 45.01	30.94
Lincoln	20.01 45.65	30.92
West Wiltshire	22.51 41.30	30.87
Hambleton	21.32 43.03	30.79
Luton UA	22.41 41.11	30.72
Kingston upon Thames	21.82 41.60	30.55
Taunton Deane	21.80 41.57	30.52
Canterbury	22.71 40.11	30.50
Wandsworth	22.91 39.80	30.50
Bolsover	19.72 44.98	30.47
Forest of Dean	20.37 43.10	30.19
Reigate and Banstead	21.76 40.81	30.19
St. Albans	21.40 41.15	30.10
Wycombe	22.04 39.64	29.90
Calderdale	22.81 38.30	29.82
South Gloucestershire UA	23.54 37.06	29.74
Carlisle	20.76 41.04	29.64
Bridgnorth	18.10 45.76	29.63
Chichester	21.76 39.39	29.62
Torridge	19.33 43.36	29.59
Newcastle upon Tyne	23.34 36.96	29.57
Babergh	20.21 41.73	29.56
Amber Valley	21.05 40.12	29.46
Enfield	23.02 36.93	29.37
Rochford	19.63 42.10	29.31
Penwith	19.31 42.63	29.30
Stroud	20.57 39.90	29.07
Harlow	18.35 43.44	28.95
Weymouth and Portland	18.31 43.35	28.89
Mid Sussex	20.90 38.90	28.88
Derwentside	19.32 41.44	28.85
Kirklees	23.75 34.71	28.84
Poole UA	21.46 37.91	28.83
Barnet	23.04 35.39	28.72
Stoke-On-Trent UA	22.33 36.19	28.64
Thurrock UA	20.35 39.12	28.62
South Norfolk	20.69 38.51	28.59
Wyre Forest	19.75 39.86	28.53
Craven	17.62 43.50	28.46
Lewes	20.13 39.06	28.46
Bath and North East Somerset	21.35 37.09	28.43
Waveney	20.73 38.03	28.42
Westminster	21.14 37.33	28.39
Islington	19.50 39.80	28.34
South Lakeland	20.31 38.40	28.31
Restormel	19.52 38.99	28.04
Cotswold	18.91 40.02	28.03
Chester-Le-Street	16.24 44.65	27.88
Northampton	20.65 36.46	27.73
Cheltenham	19.08 38.93	27.72
North Somerset UA	21.56 34.94	27.66
Tonbridge and Malling	19.14 38.63	27.64
Hastings	18.03 40.44	27.60
Brentwood	17.49 41.40	27.59
Brighton and Hove UA	21.14 35.35	27.57
Staffordshire Moorlands	18.97 38.71	27.56

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
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Local authority	95% Confidence interval	indirect rate per 100,000
Breckland	19.99 36.94	27.52
Congleton	18.56 39.26	27.50
Tynedale	17.01 42.00	27.48
North Kesteven	19.11 38.16	27.44
Eastleigh	18.91 38.17	27.31
Adur	17.10 41.32	27.29
Carrick	18.66 38.52	27.28
Worthing	18.99 37.93	27.27
Chester	19.09 37.39	27.12
Salisbury	19.12 37.08	27.02
Shrewsbury and Atcham	18.24 38.10	26.84
Rotherham	20.93 33.69	26.75
North Tyneside	20.30 34.40	26.67
Stafford	18.86 36.25	26.52
Eastbourne	18.41 36.76	26.43
Kerrier	18.07 37.30	26.42
Haringey	18.61 35.79	26.18
Swindon UA	19.15 34.67	26.07
Waverley	18.25 36.09	26.07
Ashford	17.60 36.77	25.90
Vale Royal	18.08 35.75	25.82
Hart	16.34 38.68	25.78
Woking	16.31 38.61	25.73
Gateshead	19.30 33.35	25.62
Ellesmere Port and Neston	16.37 38.02	25.55
Colchester	18.47 34.38	25.52
Tunbridge Wells	17.21 36.41	25.50
Swale	17.56 35.44	25.36
Berwick-upon-Tweed	12.11 46.43	25.25
Coventry	19.67 31.76	25.18
Purbeck	14.38 40.86	25.16
Crewe and Nantwich	17.17 35.45	25.11
South Hams	16.64 36.20	25.05
East Hampshire	17.03 35.15	24.90
West Oxfordshire	16.43 35.74	24.73
Basingstoke and Deane	17.37 34.01	24.68
Maidstone	17.49 33.63	24.60
Kennet	15.19 37.51	24.54
Horsham	17.22 33.71	24.45
Newcastle-under-Lyme	16.89 34.08	24.39
Herefordshire, County of UA	18.24 31.37	24.15
Hillingdon	18.02 31.29	23.98
North East Derbyshire	16.01 34.33	23.90
Wealden	17.55 31.76	23.89
Spelthorne	15.25 35.42	23.80
Stratford-On-Avon	16.67 32.96	23.80
Wokingham UA	16.53 33.01	23.74
Derbyshire Dales	14.87 35.93	23.73
Epsom and Ewell	14.01 37.35	23.63
South Northamptonshire	14.58 36.00	23.55
West Lindsey	15.08 34.39	23.30
Winchester	15.44 33.10	23.05
Epping Forest	15.58 32.55	22.93
West Berkshire UA	15.68 32.00	22.78
Forest Heath	12.12 38.92	22.76
Erewash	14.93 32.97	22.66
Nuneaton and Bedworth	15.17 32.54	22.65
Cherwell	15.19 32.15	22.52
West Dorset	15.37 31.36	22.33
Mole Valley	14.13 33.44	22.29

Coronary revascularisation :
Person-based rate per 100 000 population for each Local Authority
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Local authority	95% Confidence interval		indirect rate per 100,000
Oxford	14.10	33.37	22.24
Harrogate	15.91	30.09	22.18
Southend-On-Sea UA	15.55	29.65	21.77
Mid Suffolk	13.87	32.21	21.65
Test Valley	14.27	31.50	21.65
Wychavon	14.69	30.70	21.63
Blyth Valley	12.98	33.66	21.56
Medway UA	15.99	28.40	21.54
Macclesfield	15.37	29.29	21.51
Sevenoaks	14.25	30.98	21.44
Elmbridge	14.14	30.76	21.29
Rother	14.42	30.13	21.23
Oswestry	10.10	38.75	21.07
North East Lincolnshire UA	14.64	28.94	20.90
Maldon	11.61	34.20	20.74
Camden	13.99	29.59	20.73
South Cambridgeshire	13.81	29.22	20.47
East Hertfordshire	13.49	29.77	20.46
Teignbridge	14.22	28.40	20.42
Dacorum	13.54	29.03	20.21
Daventry	11.51	32.70	20.13
Warwick	13.29	28.90	19.99
South Oxfordshire	13.26	28.85	19.96
Hammersmith and Fulham	12.63	29.89	19.92
Guildford	12.88	28.90	19.72
Isle of Wight UA	13.90	26.97	19.65
Cambridge	11.43	31.40	19.61
Kensington and Chelsea	13.21	27.96	19.58
Nottingham UA	14.15	26.34	19.56
Richmond upon Thames	13.16	27.51	19.38
Chesterfield	12.00	29.00	19.16
Broxtowe	12.12	28.69	19.12
Chiltern	11.64	29.43	19.05
Redditch	10.34	31.73	18.91
Torbay UA	12.92	26.07	18.66
Bassetlaw	11.66	27.60	18.39
Broadland	12.22	26.22	18.25
South Somerset	12.83	25.13	18.23
Castle Point	10.67	26.97	17.46
Eden	8.36	29.95	16.74
West Somerset	7.05	29.28	15.42
Vale of White Horse	9.00	23.35	14.95
North Warwickshire	6.95	26.64	14.49
South Shropshire	6.58	27.30	14.38
Bromsgrove	7.62	22.46	13.62
Rushcliffe	7.55	21.46	13.21
Ribble Valley	6.00	24.90	13.12
Malvern Hills	6.79	21.79	12.74
Uttlesford	6.03	23.11	12.57
Gedling	7.13	20.26	12.48
Aylesbury Vale	6.94	17.99	11.52
Alnwick	1.40	19.88	6.80