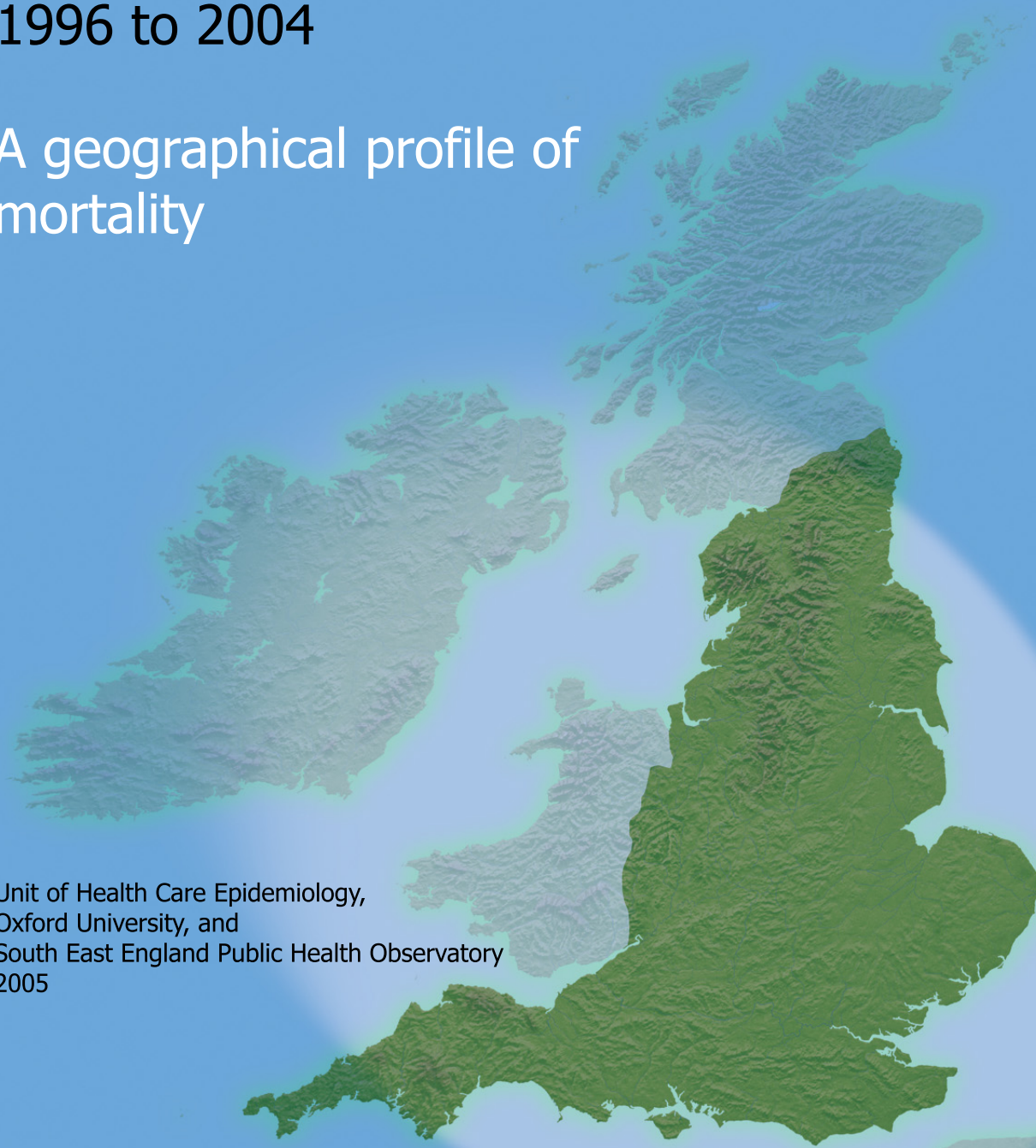


Head injuries in England 1996 to 2004

A geographical profile of
mortality

Unit of Health Care Epidemiology,
Oxford University, and
South East England Public Health Observatory
2005



Head injuries in England 1996 to 2004.

A geographical profile of mortality.

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Myfanwy Griffith, Henry McGuinness, Daniel Meddings**

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This document provides a geographical profile of head injuries in England. The geographical areas covered are the standard local authority areas of England. The period covered is January 1 1996 to December 31 2004. The data are analysed from mortality files supplied to the Public Health Observatories by the Office for National Statistics. This analysis includes mortality data about males and females of all ages.

The maps, charts and tables show both-sexes-combined and sex-specific results, including standardised mortality ratios (SMRs). The first set provides the data for males and females combined, the second for males, and the third for females.

Within each set, the data in the map are shown as quintiles of local authorities, with the one-fifth of local authorities with the lowest SMRs shown in the lightest colour and the one-fifth of local authorities with the highest SMRs shown in the darkest colour.

The error-bar chart provides a plot of the values of the SMR for each local authority area. Each vertical line represents one local authority area. It shows the point estimate for the SMR for the area with its 95% confidence interval. At a glance, the error-bar charts show the spread of SMRs across England and the extent to which variation across the country is statistically significant.

The scatter-plot shows the SMR for each local authority area plotted against the local authorities' score for the Index of Multiple Deprivation (IMD 2004).

Within each set, the first table shows the individual values of SMRs for each local authority, with the local authorities ranked in alphabetical order. For each local authority, the information in the table provides data about mortality showing the observed number of people who died (Obs.); the expected number (Exp.), obtained by applying national age-sex-specific rates to the age-sex distribution of the local authority population; and the SMR, calculated by indirect standardisation, with the 95% lower and upper confidence limits for the rate. The first part of the first table shows SMRs for the disease as the underlying cause of death. The second part shows SMRs for the disease as any mention.

The second table shows the local authority areas ranked according to the value of the SMR (ranked from lowest to highest ratio) for the disease as the underlying cause.

The third table shows the local authority areas ranked according to the value of the SMR (ranked from lowest to highest ratio) for mentions.

Some technical notes:

- Dataset used: UHCE-built file from SEPHO, template 6
- Diagnosis codes used: ICD9 800-804,850-854; ICD10 S00-S09
- Diagnosis position: underlying cause; and 'all mentions'
- Period covered: deaths from 1.1.1996 to 31.12.2004
- Age/sex restriction: all ages, both sexes
- Place of residence at time of death: England

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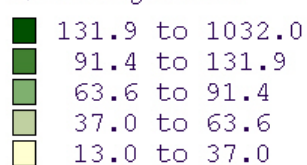
Head injuries : underlying cause: males

Standardised Mortality Ratio: each local authority in England

1996 to 2004

S00.0-S09.9

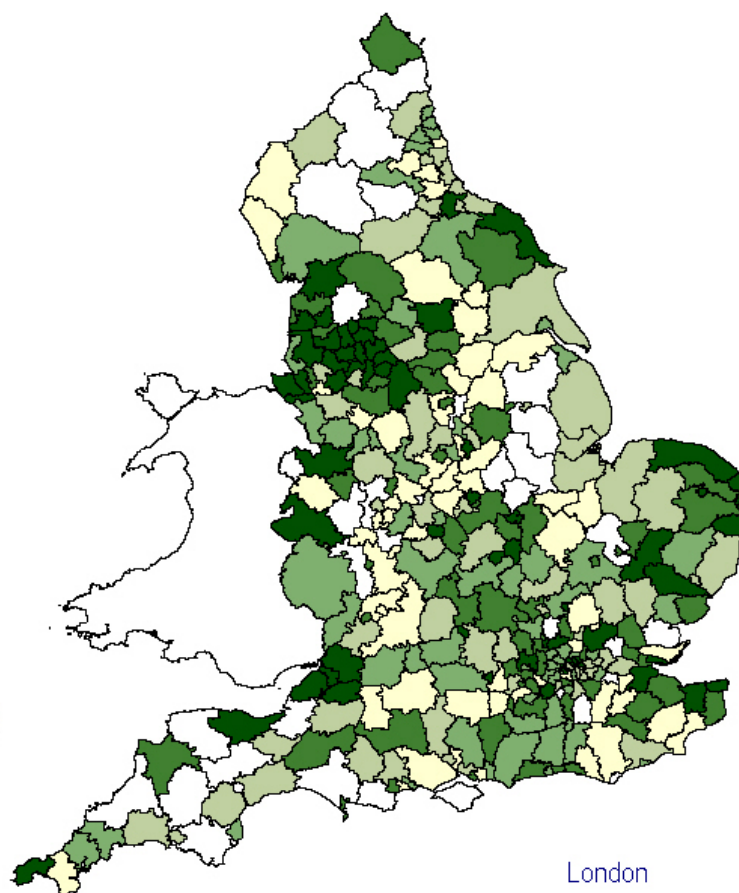
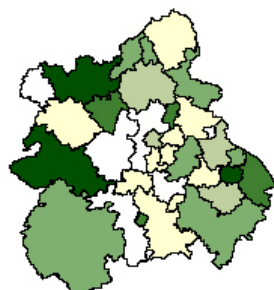
Quintile range of SMR



Manchester



West Midlands



London



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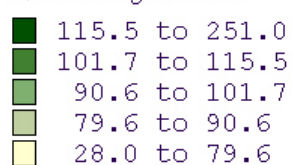
Head injuries: mentions: males

Standardised Mortality Ratio: each local authority in England

1996 to 2004

S00.0-S09.9

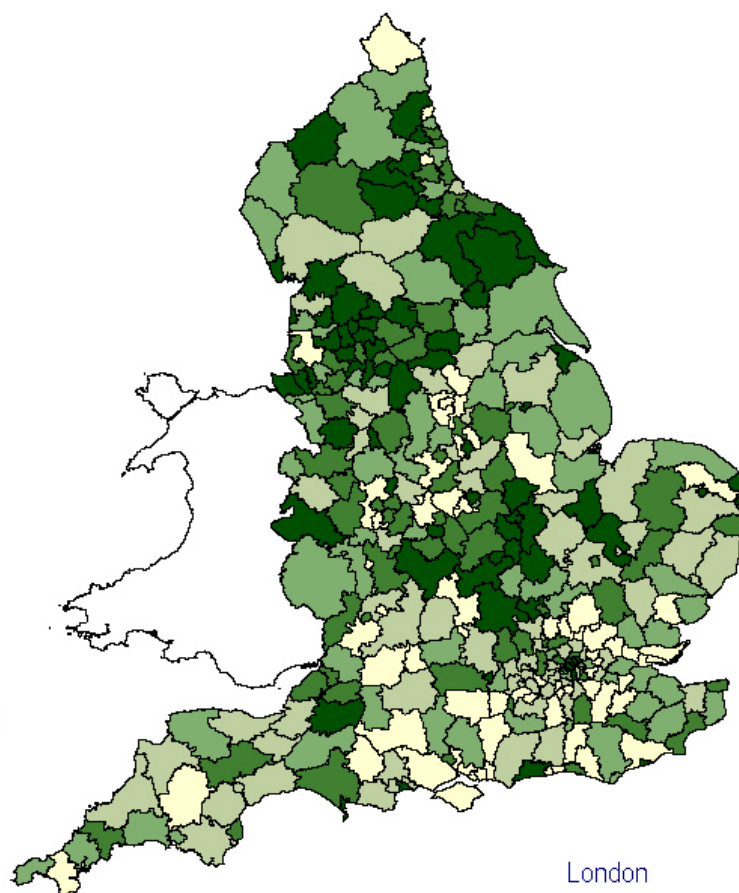
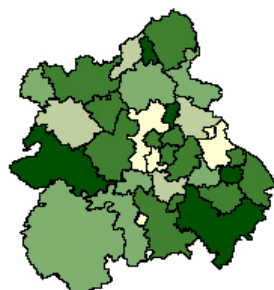
Quintile range of SMR



Manchester



West Midlands

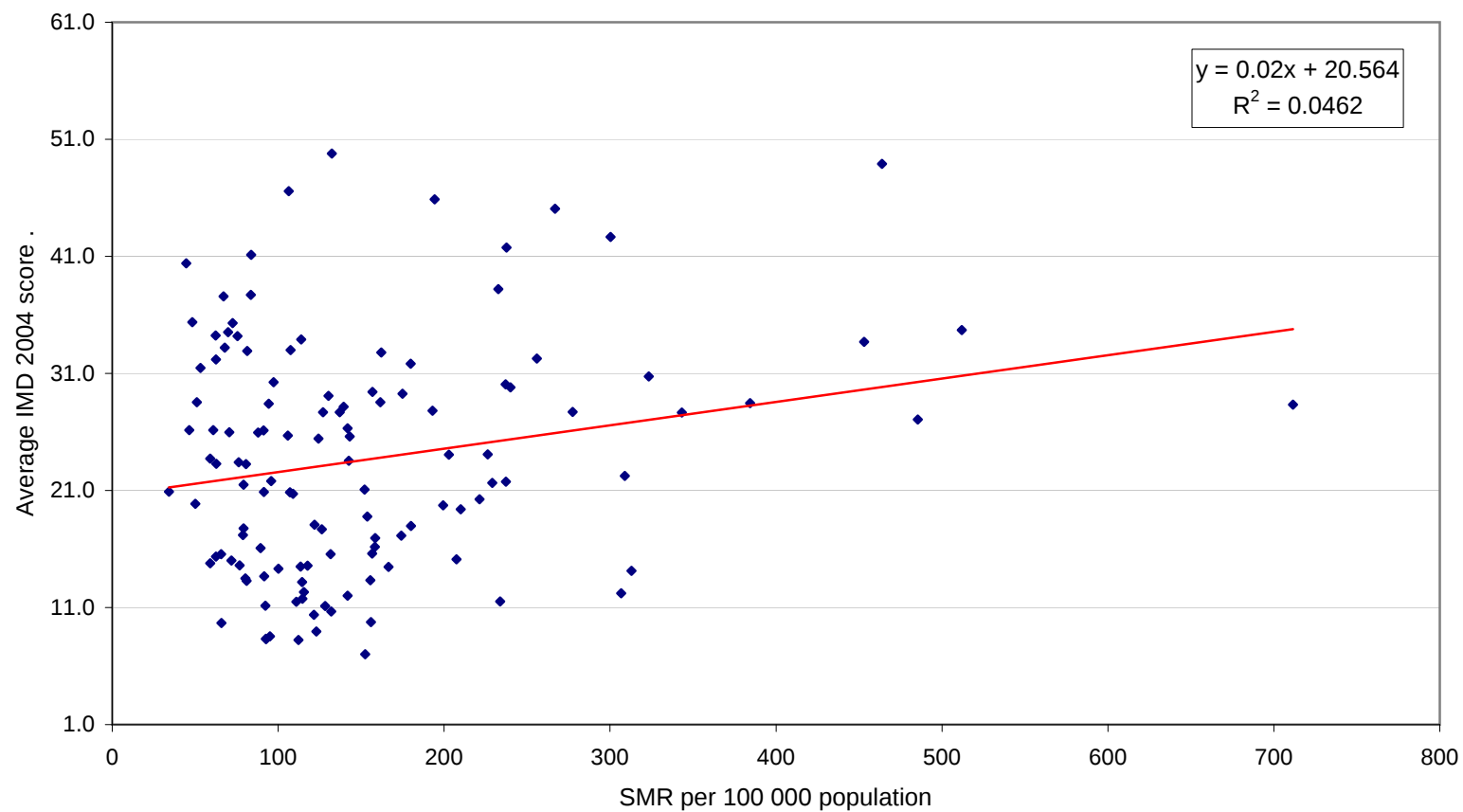


London

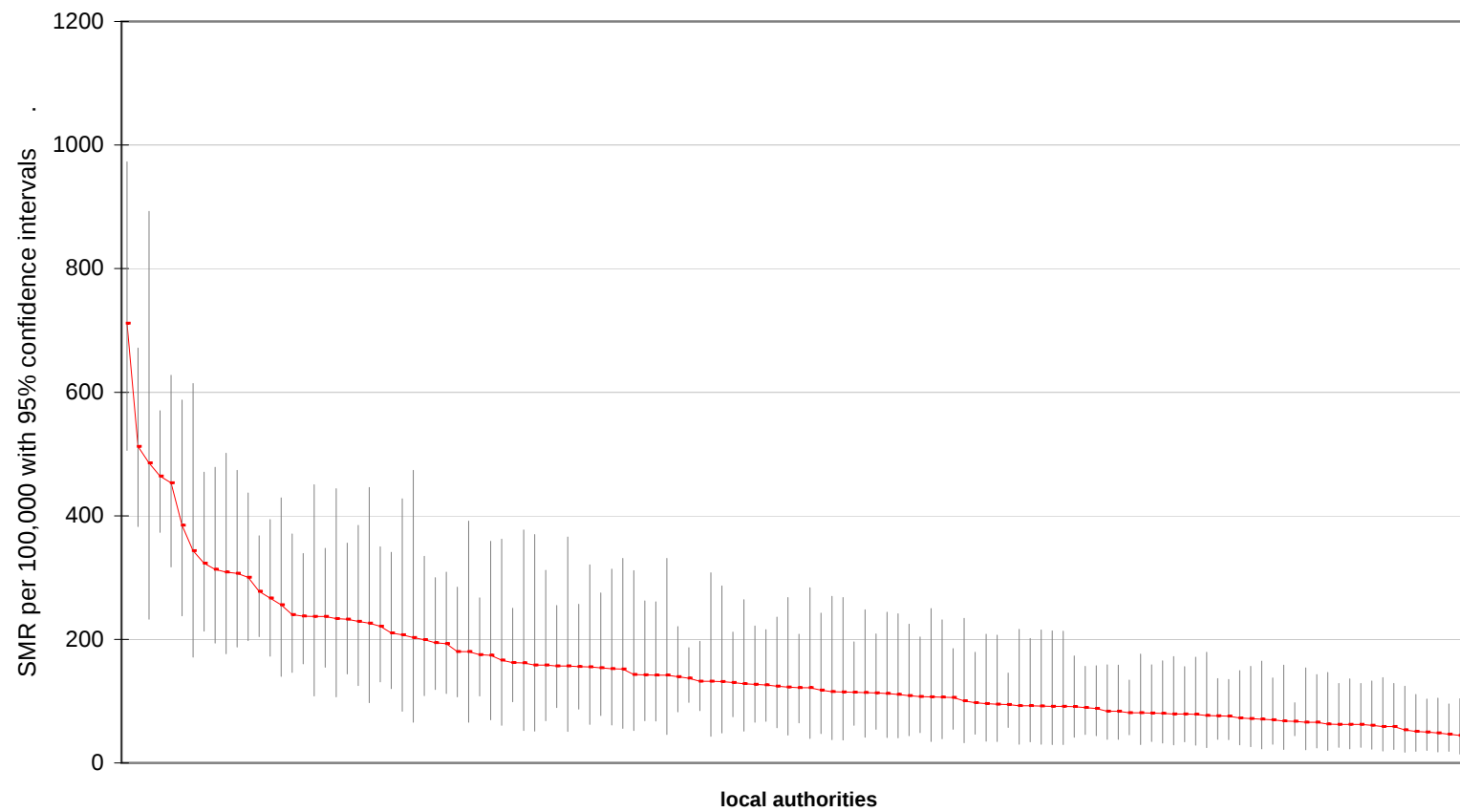


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Head injuries : average IMD score plotted against the SMR (underlying cause) for each local authority, Males



Head injuries :SMR (underlying cause) for each local authority, Males



Mortality - 1996 to 2004					Head injuries, all ages, Males										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				1957	1957.00	100.00	0.00	0.00	20264	20264.00	100.00	0.00	0.00	
45UC	Arun	15.6	Q19	J	6	4.56	131.54	48.27	286.29	78	65.93	118.31	93.52	147.66	13.00
11UB	Aylesbury Vale	8.3	Q16	J	6	6.48	92.64	34.00	201.63	87	64.19	135.53	108.55	167.18	14.50
00AC	Barnet	16.1	Q05	H	12	13.41	89.46	46.23	156.28	112	128.47	87.18	71.78	104.90	9.33
00CC	Barnsley	33.0	Q23	D	9	8.38	107.44	49.12	203.96	102	88.28	115.55	94.21	140.27	11.33
22UB	Basildon	20.7	Q03	G	7	6.43	108.94	43.80	224.47	50	64.21	77.86	57.79	102.66	7.14
00HA	Bath and North East Somerset UA	12.2	Q20	K	20	6.52	306.70	187.35	473.67	84	72.75	115.47	92.10	142.96	4.20
00AD	Bexley	15.0	Q07	H	6	8.36	71.79	26.35	156.25	74	87.67	84.41	66.28	105.97	12.33
00CN	Birmingham	37.6	Q27	F	27	40.26	67.06	44.19	97.56	428	395.40	108.25	98.23	119.00	15.85
00EX	Blackburn with Darwen UA	32.3	Q13	B	14	5.47	255.83	139.86	429.24	72	53.13	135.51	106.02	170.65	5.14
00EY	Blackpool UA	33.9	Q13	B	6	5.27	113.84	41.78	247.78	72	61.06	117.92	92.26	148.51	12.00
00BL	Bolton	29.4	Q14	B	16	10.20	156.81	89.63	254.65	122	103.61	117.74	97.78	140.59	7.63
00CX	Bradford	32.9	Q12	D	15	18.45	81.32	45.51	134.12	232	184.57	125.70	110.04	142.96	15.47
00AE	Brent	26.0	Q04	H	11	12.51	87.91	43.88	157.30	117	105.36	111.05	91.84	133.09	10.64
00ML	Brighton and Hove UA	25.7	Q19	J	12	11.34	105.81	54.68	184.84	114	108.25	105.31	86.86	126.51	9.50
00HB	Bristol, City of UA	27.7	Q20	K	48	17.30	277.47	204.57	367.90	182	164.66	110.53	95.06	127.81	3.79
00AF	Bromley	13.2	Q07	H	13	11.35	114.49	60.96	195.78	82	120.61	67.99	54.07	84.39	6.31
30UD	Burnley	31.8	Q13	B	6	3.33	179.93	66.03	391.61	66	35.42	186.34	144.11	237.08	11.00
00BM	Bury	23.5	Q14	B	10	7.02	142.55	68.35	262.15	73	71.46	102.16	80.07	128.46	7.30
00CY	Calderdale	25.4	Q12	D	9	7.24	124.35	56.86	236.06	85	76.44	111.20	88.82	137.50	9.44
12UB	Cambridge	14.6	Q01	G	7	5.95	117.66	47.30	242.43	53	50.59	104.77	78.48	137.05	7.57
00AG	Camden	34.7	Q05	H	52	10.16	511.92	382.30	671.33	158	80.89	195.33	166.06	228.27	3.04
29UC	Canterbury	16.2	Q18	J	8	5.05	158.33	68.36	311.96	50	59.33	84.27	62.54	111.10	6.25
22UF	Chelmsford	8.6	Q03	G	6	6.32	94.99	34.86	206.75	59	63.98	92.21	70.19	118.95	9.83
38UB	Cherwell	11.2	Q16	J	5	5.42	92.28	29.95	215.35	40	52.13	76.74	54.82	104.50	8.00
30UE	Chorley	17.2	Q13	B	7	4.02	174.14	70.01	358.81	53	40.34	131.37	98.40	171.84	7.57
22UG	Colchester	14.6	Q03	G	5	6.51	76.83	24.94	179.29	46	64.43	71.40	52.27	95.24	9.20
34UB	Corby	27.1	Q25	E	10	2.06	485.46	232.78	892.76	52	20.77	250.35	186.96	328.31	5.20
00CQ	Coventry	28.2	Q28	F	18	12.90	139.53	82.69	220.51	156	128.07	121.81	103.44	142.49	8.67
00AH	Croydon	19.9	Q08	H	7	13.95	50.17	20.17	103.37	112	131.42	85.22	70.17	102.54	16.00
00FK	Derby UA	27.7	Q24	E	12	9.45	127.03	65.64	221.89	103	95.95	107.34	87.61	130.19	8.58
00AJ	Ealing	23.4	Q04	H	11	14.43	76.22	38.05	136.39	98	122.45	80.03	64.97	97.53	8.91
00FB	East Riding of Yorkshire UA	15.3	Q11	D	7	11.19	62.55	25.14	128.88	126	131.53	95.80	79.80	114.06	18.00

Mortality - 1996 to 2004					Head injuries, all ages, Males										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				1957	1957.00	100.00	0.00	0.00	20264	20264.00	100.00	0.00	0.00	
43UB	Elmbridge	7.0 Q19	J		7	4.59	152.36	61.25	313.93	44	50.30	87.47	63.55	117.43	6.29
22UH	Epping Forest	13.3 Q03	G		7	4.50	155.54	62.53	320.49	33	49.74	66.34	45.66	93.17	4.71
00CH	Gateshead	33.2 Q09	A		5	7.38	67.78	22.00	158.16	73	78.31	93.22	73.07	117.21	14.60
33UD	Great Yarmouth	27.7 Q01	G		11	3.20	343.27	171.35	614.20	52	38.93	133.57	99.75	175.17	4.73
00AL	Greenwich	31.5 Q07	H		5	9.39	53.23	17.28	124.21	51	84.99	60.01	44.68	78.90	10.20
43UD	Guildford	8.3 Q19	J		5	5.39	92.68	30.08	216.29	49	54.38	90.11	66.66	119.14	9.80
00AM	Hackney	45.1 Q06	H		25	9.37	266.84	172.69	393.90	99	75.62	130.91	106.40	159.39	3.96
00AN	Hammersmith and Fulham	27.8 Q04	H		17	8.81	192.95	112.40	308.93	75	66.55	112.69	88.64	141.27	4.41
00AP	Haringey	37.7 Q05	H		9	10.78	83.46	38.16	158.43	90	84.65	106.32	85.49	130.69	10.00
00AQ	Harrow	13.5 Q04	H		7	8.73	80.20	32.24	165.25	78	85.89	90.81	71.78	113.34	11.14
00AR	Havering	14.8 Q06	H		5	8.46	59.10	19.18	137.91	75	92.06	81.47	64.08	102.12	15.00
26UE	Hertsmere	12.0 Q02	G		5	3.53	141.81	46.03	330.93	42	38.39	109.39	78.83	147.87	8.40
17UH	High Peak	15.1 Q24	E		7	3.37	207.46	83.40	427.46	44	36.03	122.13	88.73	163.97	6.29
00AS	Hillingdon	17.7 Q04	H		13	10.30	126.26	67.23	215.90	101	98.76	102.27	83.29	124.26	7.77
00AT	Hounslow	23.3 Q04	H		8	9.92	80.65	34.82	158.90	72	85.53	84.18	65.86	106.02	9.00
30UG	Hyndburn	28.5 Q13	B		5	3.09	161.57	52.45	377.05	43	32.10	133.96	96.94	180.45	8.60
00AU	Islington	42.7 Q05	H		27	8.99	300.32	197.91	436.95	98	70.38	139.25	113.05	169.70	3.63
00AW	Kensington and Chelsea	21.5 Q04	H		6	7.58	79.16	29.05	172.30	67	64.93	103.19	79.96	131.05	11.17
00FA	Kingston upon Hull, City of UA	41.1 Q11	D		9	10.75	83.74	38.29	158.97	99	103.99	95.20	77.37	115.90	11.00
00CZ	Kirklees	26.2 Q12	D		7	15.07	46.45	18.67	95.71	160	153.77	104.05	88.55	121.48	22.86
00BX	Knowsley	46.6 Q15	B		6	5.64	106.33	39.02	231.42	84	55.96	150.12	119.73	185.86	14.00
00AY	Lambeth	34.2 Q07	H		11	14.57	75.50	37.69	135.09	152	107.02	142.03	120.35	166.50	13.82
30UH	Lancaster	22.3 Q13	B		16	5.18	308.80	176.50	501.47	70	57.24	122.29	95.33	154.51	4.38
00DA	Leeds	27.7 Q12	D		40	29.17	137.12	97.95	186.72	324	293.25	110.48	98.78	123.19	8.10
00FN	Leicester UA	32.8 Q25	E		20	12.34	162.08	99.01	250.32	149	115.73	128.75	108.91	151.17	7.45
00AZ	Lewisham	28.6 Q07	H		6	11.78	50.94	18.70	110.88	103	97.20	105.97	86.49	128.52	17.17
00BY	Liverpool	49.8 Q15	B		24	18.14	132.30	84.77	196.86	230	178.74	128.68	112.58	146.43	9.58
00KA	Luton UA	23.3 Q02	G		5	7.97	62.71	20.36	146.34	79	72.60	108.82	86.15	135.62	15.80
13UG	Macclesfield	11.1 Q15	B		7	5.45	128.37	51.60	264.49	56	62.84	89.12	67.32	115.73	8.00
29UH	Maidstone	11.5 Q18	J		6	5.40	111.01	40.74	241.62	53	57.30	92.49	69.28	120.99	8.83
00BN	Manchester	48.9 Q14	B		90	19.40	463.95	373.06	570.28	316	173.46	182.18	162.64	203.41	3.51
00LC	Medway UA	18.0 Q18	J		18	10.00	179.95	106.65	284.40	95	95.48	99.49	80.49	121.63	5.28

Mortality - 1996 to 2004					Head injuries, all ages, Males										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval	Obs.	Exp.	SMR	95% Confidence interval	mentions to underlyin g cause		
N/A	ALL ENGLAND				1957	1957.00	100.00	0.00	0.00	20264	20264.00	100.00	0.00	0.00	
00BA	Merton	14.5 Q08	H		10	8.81	113.45	54.40	208.64	63	76.24	82.64	63.50	105.73	6.30
00MG	Milton Keynes UA	15.6 Q16	J		6	9.13	65.70	24.11	143.00	76	80.02	94.98	74.83	118.88	12.67
00CJ	Newcastle upon Tyne	34.5 Q09	A		8	11.46	69.81	30.14	137.55	137	113.15	121.08	101.66	143.14	17.13
00BB	Newham	40.4 Q06	H		5	11.21	44.60	14.48	104.08	85	91.29	93.11	74.37	115.13	17.00
33UF	North Norfolk	16.9 Q01	G		5	3.16	158.46	51.44	369.78	45	46.51	96.76	70.57	129.48	9.00
00HC	North Somerset UA	14.1 Q20	K		21	6.71	312.99	193.74	478.44	88	81.11	108.49	87.01	133.66	4.19
00CK	North Tyneside	26.0 Q09	A		5	7.08	70.61	22.92	164.78	80	77.70	102.96	81.64	128.15	16.00
34UF	Northampton	20.2 Q25	E		18	8.13	221.29	131.15	349.73	106	78.42	135.17	110.67	163.49	5.89
33UG	Norwich	28.3 Q01	G		39	5.48	711.47	505.86	972.63	81	53.30	151.97	120.68	188.88	2.08
00FY	Nottingham UA	41.8 Q24	E		30	12.63	237.59	160.30	339.17	159	116.21	136.82	116.38	159.82	5.30
00BP	Oldham	30.7 Q14	B		27	8.35	323.35	213.09	470.46	95	84.89	111.91	90.54	136.81	3.52
38UC	Oxford	19.7 Q16	J		14	7.02	199.39	109.01	334.56	47	60.79	77.32	56.81	102.82	3.36
00HG	Plymouth UA	26.2 Q21	K		6	9.86	60.82	22.32	132.38	93	101.03	92.05	74.30	112.77	15.50
00HP	Poole UA	14.3 Q22	K		5	4.99	100.24	32.54	233.93	52	60.38	86.13	64.32	112.95	10.40
30UK	Preston	28.5 Q13	B		21	5.46	384.34	237.91	587.52	76	53.13	143.06	112.71	179.06	3.62
00MC	Reading UA	18.8 Q16	J		11	7.16	153.70	76.72	275.01	75	60.65	123.66	97.26	155.01	6.82
00BC	Redbridge	17.8 Q06	H		8	10.11	79.12	34.16	155.90	65	97.25	66.84	51.58	85.19	8.13
43UF	Reigate and Banstead	9.0 Q19	J		6	4.88	122.92	45.11	267.53	46	52.24	88.05	64.46	117.45	7.67
00BD	Richmond upon Thames	9.7 Q08	H		5	7.59	65.88	21.39	153.74	61	71.45	85.38	65.30	109.67	12.20
00BQ	Rochdale	33.7 Q14	B		36	7.95	453.05	317.26	627.23	120	79.92	150.16	124.49	179.55	3.33
30UM	Rossendale	24.1 Q13	B		5	2.46	202.96	65.88	473.63	40	25.41	157.40	112.44	214.34	8.00
24UL	Rushmoor	10.4 Q17	J		5	4.11	121.54	39.45	283.64	37	35.65	103.78	73.06	143.05	7.40
00BR	Salford	38.2 Q14	B		21	9.03	232.66	144.02	355.65	111	90.05	123.26	101.40	148.44	5.29
46UD	Salisbury	11.8 Q20	K		5	4.36	114.69	37.23	267.63	33	48.50	68.05	46.83	95.57	6.60
36UG	Scarborough	24.1 Q11	D		8	3.53	226.34	97.72	445.97	62	46.11	134.48	103.10	172.40	7.75
00CA	Sefton	26.1 Q15	B		9	9.88	91.13	41.67	173.00	124	114.45	108.34	90.11	129.18	13.78
00CG	Sheffield	28.4 Q23	D		20	21.22	94.27	57.59	145.60	196	217.28	90.21	78.02	103.76	9.80
00MD	Slough UA	20.9 Q16	J		5	5.47	91.43	29.68	213.36	40	47.27	84.62	60.45	115.23	8.00
09UE	South Bedfordshire	12.3 Q02	G		5	4.33	115.51	37.50	269.56	58	44.01	131.80	100.07	170.38	11.60
00HD	South Gloucestershire UA	9.8 Q20	K		15	9.63	155.83	87.21	257.01	96	97.54	98.42	79.72	120.19	6.40
33UH	South Norfolk	10.7 Q01	G		5	3.79	131.90	42.81	307.80	41	48.00	85.42	61.29	115.88	8.20
40UD	South Somerset	13.7 Q22	K		5	5.46	91.59	29.73	213.74	66	65.65	100.54	77.75	127.91	13.20

Mortality - 1996 to 2004					Head injuries, all ages, Males										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				1957	1957.00	100.00	0.00	0.00	20264	20264.00	100.00	0.00	0.00	
00MS	Southampton UA	23.7	Q17	J	6	10.16	59.08	21.68	128.58	100	94.92	105.35	85.71	128.13	16.67
00KF	Southend-On-Sea UA	21.7	Q03	G	14	6.11	229.04	125.22	384.30	55	69.10	79.60	59.96	103.61	3.93
00BE	Southwark	35.4	Q07	H	6	12.43	48.26	17.71	105.05	84	98.63	85.16	67.93	105.44	14.00
42UF	St. Edmundsbury	11.5	Q01	G	9	3.85	233.78	106.89	443.79	47	41.15	114.20	83.90	151.87	5.22
26UH	Stevenage	15.6	Q02	G	5	3.19	156.68	50.86	365.64	29	30.45	95.23	63.78	136.76	5.80
00BS	Stockport	18.1	Q14	B	13	10.66	121.93	64.92	208.49	108	114.09	94.66	77.65	114.29	8.31
00EF	Stockton-On-Tees UA	26.3	Q10	A	10	7.05	141.87	68.03	260.90	77	70.99	108.47	85.60	135.57	7.70
00GL	Stoke-On-Trent UA	35.3	Q26	F	7	9.65	72.55	29.16	149.48	115	98.88	116.30	96.02	139.61	16.43
00CM	Sunderland	34.2	Q09	A	7	11.23	62.34	25.06	128.45	116	114.03	101.73	84.06	122.01	16.57
00BF	Sutton	13.3	Q08	H	6	7.40	81.03	29.74	176.37	49	71.75	68.29	50.52	90.29	8.17
29UM	Swale	20.9	Q18	J	5	4.67	107.04	34.75	249.79	49	49.12	99.75	73.79	131.88	9.80
00HX	Swindon UA	17.2	Q20	K	6	7.62	78.69	28.88	171.27	47	71.63	65.61	48.21	87.26	7.83
00BT	Tameside	29.8	Q14	B	20	8.33	240.04	146.63	370.72	101	84.43	119.63	97.44	145.36	5.05
00GF	Telford and Wrekin UA	21.8	Q26	F	6	6.27	95.77	35.15	208.44	63	60.10	104.82	80.54	134.11	10.50
29UN	Thanet	25.6	Q18	J	6	4.20	143.03	52.49	311.30	63	55.20	114.14	87.70	146.04	10.50
00BG	Tower Hamlets	45.9	Q06	H	20	10.29	194.31	118.70	300.10	79	78.45	100.71	79.73	125.51	3.95
00DB	Wakefield	29.1	Q12	D	16	12.28	130.31	74.48	211.61	154	125.87	122.34	103.78	143.27	9.63
00BH	Waltham Forest	30.2	Q06	H	10	10.28	97.32	46.66	178.97	79	87.89	89.88	71.16	112.02	7.90
00BJ	Wandsworth	20.9	Q08	H	5	14.62	34.19	11.10	79.79	99	108.47	91.27	74.18	111.12	19.80
00EU	Warrington UA	19.4	Q15	B	16	7.62	210.08	120.07	341.16	82	75.85	108.11	85.98	134.19	5.13
26UK	Watford	14.5	Q02	G	6	3.60	166.51	61.11	362.42	34	32.10	105.93	73.34	148.03	5.67
42UH	Waveney	21.8	Q01	G	9	3.79	237.27	108.48	450.42	52	49.23	105.63	78.89	138.53	5.78
30UP	West Lancashire	21.1	Q13	B	6	3.94	152.10	55.82	331.04	33	42.81	77.09	53.06	108.27	5.50
00BW	Wigan	29.3	Q14	B	21	12.00	174.96	108.30	267.45	123	119.22	103.17	85.74	123.10	5.86
00ME	Windsor and Maidenhead UA	8.2	Q16	J	6	5.35	112.19	41.17	244.18	46	55.14	83.43	61.07	111.28	7.67
00CB	Wirral	30.1	Q15	B	26	10.97	236.99	154.81	347.25	162	126.96	127.60	108.71	148.84	6.23
00CW	Wolverhampton	32.2	Q27	F	6	9.60	62.49	22.94	136.02	105	100.23	104.76	85.68	126.82	17.50

Head injuries :

SMR for each local authority (underlying cause) - sorted from highest to lowest, Males

Local authority	95% Confidence interval		SMR
Norwich	505.86	972.63	711.47
Camden	382.30	671.33	511.92
Corby	232.78	892.76	485.46
Manchester	373.06	570.28	463.95
Rochdale	317.26	627.23	453.05
Preston	237.91	587.52	384.34
Great Yarmouth	171.35	614.20	343.27
Oldham	213.09	470.46	323.35
North Somerset UA	193.74	478.44	312.99
Lancaster	176.50	501.47	308.80
Bath and North East Somerset UA	187.35	473.67	306.70
Islington	197.91	436.95	300.32
Bristol, City of UA	204.57	367.90	277.47
Hackney	172.69	393.90	266.84
Blackburn with Darwen UA	139.86	429.24	255.83
Tameside	146.63	370.72	240.04
Nottingham UA	160.30	339.17	237.59
Waveney	108.48	450.42	237.27
Wirral	154.81	347.25	236.99
St. Edmundsbury	106.89	443.79	233.78
Salford	144.02	355.65	232.66
Southend-On-Sea UA	125.22	384.30	229.04
Scarborough	97.72	445.97	226.34
Northampton	131.15	349.73	221.29
Warrington UA	120.07	341.16	210.08
High Peak	83.40	427.46	207.46
Rossendale	65.88	473.63	202.96
Oxford	109.01	334.56	199.39
Tower Hamlets	118.70	300.10	194.31
Hammersmith and Fulham	112.40	308.93	192.95
Medway UA	106.65	284.40	179.95
Burnley	66.03	391.61	179.93
Wigan	108.30	267.45	174.96
Chorley	70.01	358.81	174.14
Watford	61.11	362.42	166.51
Leicester UA	99.01	250.32	162.08
Hyndburn	52.45	377.05	161.57
North Norfolk	51.44	369.78	158.46
Canterbury	68.36	311.96	158.33
Bolton	89.63	254.65	156.81
Stevenage	50.86	365.64	156.68
South Gloucestershire UA	87.21	257.01	155.83
Epping Forest	62.53	320.49	155.54
Reading UA	76.72	275.01	153.70
Elmbridge	61.25	313.93	152.36
West Lancashire	55.82	331.04	152.10
Thanet	52.49	311.30	143.03
Bury	68.35	262.15	142.55
Stockton-On-Tees UA	68.03	260.90	141.87
Hertsmere	46.03	330.93	141.81
Coventry	82.69	220.51	139.53
Leeds	97.95	186.72	137.12
Liverpool	84.77	196.86	132.30
South Norfolk	42.81	307.80	131.90
Arun	48.27	286.29	131.54

Head injuries :

SMR for each local authority (underlying cause) - sorted from highest to lowest, Males

Local authority	95% Confidence interval		SMR
Wakefield	74.48	211.61	130.31
Macclesfield	51.60	264.49	128.37
Derby UA	65.64	221.89	127.03
Hillingdon	67.23	215.90	126.26
Calderdale	56.86	236.06	124.35
Reigate and Banstead	45.11	267.53	122.92
Stockport	64.92	208.49	121.93
Rushmoor	39.45	283.64	121.54
Cambridge	47.30	242.43	117.66
South Bedfordshire	37.50	269.56	115.51
Salisbury	37.23	267.63	114.69
Bromley	60.96	195.78	114.49
Blackpool UA	41.78	247.78	113.84
Merton	54.40	208.64	113.45
Windsor and Maidenhead UA	41.17	244.18	112.19
Maidstone	40.74	241.62	111.01
Basildon	43.80	224.47	108.94
Barnsley	49.12	203.96	107.44
Swale	34.75	249.79	107.04
Knowsley	39.02	231.42	106.33
Brighton and Hove UA	54.68	184.84	105.81
Poole UA	32.54	233.93	100.24
Waltham Forest	46.66	178.97	97.32
Telford and Wrekin UA	35.15	208.44	95.77
Chelmsford	34.86	206.75	94.99
Sheffield	57.59	145.60	94.27
Guildford	30.08	216.29	92.68
Aylesbury Vale	34.00	201.63	92.64
Cherwell	29.95	215.35	92.28
South Somerset	29.73	213.74	91.59
Slough UA	29.68	213.36	91.43
Sefton	41.67	173.00	91.13
Barnet	46.23	156.28	89.46
Brent	43.88	157.30	87.91
Kingston upon Hull, City of UA	38.29	158.97	83.74
Haringey	38.16	158.43	83.46
Bradford	45.51	134.12	81.32
Sutton	29.74	176.37	81.03
Hounslow	34.82	158.90	80.65
Harrow	32.24	165.25	80.20
Kensington and Chelsea	29.05	172.30	79.16
Redbridge	34.16	155.90	79.12
Swindon UA	28.88	171.27	78.69
Colchester	24.94	179.29	76.83
Ealing	38.05	136.39	76.22
Lambeth	37.69	135.09	75.50
Stoke-On-Trent UA	29.16	149.48	72.55
Bexley	26.35	156.25	71.79
North Tyneside	22.92	164.78	70.61
Newcastle upon Tyne	30.14	137.55	69.81
Gateshead	22.00	158.16	67.78
Birmingham	44.19	97.56	67.06
Richmond upon Thames	21.39	153.74	65.88
Milton Keynes UA	24.11	143.00	65.70
Luton UA	20.36	146.34	62.71

Head injuries :

SMR for each local authority (underlying cause) - sorted from highest to lowest, Males

Local authority	95% Confidence interval		SMR
East Riding of Yorkshire UA	25.14	128.88	62.55
Wolverhampton	22.94	136.02	62.49
Sunderland	25.06	128.45	62.34
Plymouth UA	22.32	132.38	60.82
Havering	19.18	137.91	59.10
Southampton UA	21.68	128.58	59.08
Greenwich	17.28	124.21	53.23
Lewisham	18.70	110.88	50.94
Croydon	20.17	103.37	50.17
Southwark	17.71	105.05	48.26
Kirklees	18.67	95.71	46.45
Newham	14.48	104.08	44.60
Wandsworth	11.10	79.79	34.19

Head injuries :
SMR for each local authority (mentions)
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SMR
Corby	186.96	328.31	250.35
Camden	166.06	228.27	195.33
Burnley	144.11	237.08	186.34
Manchester	162.64	203.41	182.18
Rossendale	112.44	214.34	157.40
Norwich	120.68	188.88	151.97
Rochdale	124.49	179.55	150.16
Knowsley	119.73	185.86	150.12
Preston	112.71	179.06	143.06
Lambeth	120.35	166.50	142.03
Islington	113.05	169.70	139.25
Nottingham UA	116.38	159.82	136.82
Aylesbury Vale	108.55	167.18	135.53
Blackburn with Darwen UA	106.02	170.65	135.51
Northampton	110.67	163.49	135.17
Scarborough	103.10	172.40	134.48
Hyndburn	96.94	180.45	133.96
Great Yarmouth	99.75	175.17	133.57
South Bedfordshire	100.07	170.38	131.80
Chorley	98.40	171.84	131.37
Hackney	106.40	159.39	130.91
Leicester UA	108.91	151.17	128.75
Liverpool	112.58	146.43	128.68
Wirral	108.71	148.84	127.60
Bradford	110.04	142.96	125.70
Reading UA	97.26	155.01	123.66
Salford	101.40	148.44	123.26
Wakefield	103.78	143.27	122.34
Lancaster	95.33	154.51	122.29
High Peak	88.73	163.97	122.13
Coventry	103.44	142.49	121.81
Newcastle upon Tyne	101.66	143.14	121.08
Tameside	97.44	145.36	119.63
Arun	93.52	147.66	118.31
Blackpool UA	92.26	148.51	117.92
Bolton	97.78	140.59	117.74
Stoke-On-Trent UA	96.02	139.61	116.30
Barnsley	94.21	140.27	115.55
Bath and North East Somerset UA	92.10	142.96	115.47
St. Edmundsbury	83.90	151.87	114.20
Thanet	87.70	146.04	114.14
Hammersmith and Fulham	88.64	141.27	112.69
Oldham	90.54	136.81	111.91
Calderdale	88.82	137.50	111.20
Brent	91.84	133.09	111.05
Bristol, City of UA	95.06	127.81	110.53
Leeds	98.78	123.19	110.48
Hertsmere	78.83	147.87	109.39
Luton UA	86.15	135.62	108.82
North Somerset UA	87.01	133.66	108.49
Stockton-On-Tees UA	85.60	135.57	108.47
Sefton	90.11	129.18	108.34
Birmingham	98.23	119.00	108.25
Warrington UA	85.98	134.19	108.11
Derby UA	87.61	130.19	107.34

Head injuries :
SMR for each local authority (mentions)
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SMR
Haringey	85.49	130.69	106.32
Lewisham	86.49	128.52	105.97
Watford	73.34	148.03	105.93
Waveney	78.89	138.53	105.63
Southampton UA	85.71	128.13	105.35
Brighton and Hove UA	86.86	126.51	105.31
Telford and Wrekin UA	80.54	134.11	104.82
Cambridge	78.48	137.05	104.77
Wolverhampton	85.68	126.82	104.76
Kirklees	88.55	121.48	104.05
Rushmoor	73.06	143.05	103.78
Kensington and Chelsea	79.96	131.05	103.19
Wigan	85.74	123.10	103.17
North Tyneside	81.64	128.15	102.96
Hillingdon	83.29	124.26	102.27
Bury	80.07	128.46	102.16
Sunderland	84.06	122.01	101.73
Tower Hamlets	79.73	125.51	100.71
South Somerset	77.75	127.91	100.54
Swale	73.79	131.88	99.75
Medway UA	80.49	121.63	99.49
South Gloucestershire UA	79.72	120.19	98.42
North Norfolk	70.57	129.48	96.76
East Riding of Yorkshire UA	79.80	114.06	95.80
Stevenage	63.78	136.76	95.23
Kingston upon Hull, City of UA	77.37	115.90	95.20
Milton Keynes UA	74.83	118.88	94.98
Stockport	77.65	114.29	94.66
Gateshead	73.07	117.21	93.22
Newham	74.37	115.13	93.11
Maidstone	69.28	120.99	92.49
Chelmsford	70.19	118.95	92.21
Plymouth UA	74.30	112.77	92.05
Wandsworth	74.18	111.12	91.27
Harrow	71.78	113.34	90.81
Sheffield	78.02	103.76	90.21
Guildford	66.66	119.14	90.11
Waltham Forest	71.16	112.02	89.88
Macclesfield	67.32	115.73	89.12
Reigate and Banstead	64.46	117.45	88.05
Elmbridge	63.55	117.43	87.47
Barnet	71.78	104.90	87.18
Poole UA	64.32	112.95	86.13
South Norfolk	61.29	115.88	85.42
Richmond upon Thames	65.30	109.67	85.38
Croydon	70.17	102.54	85.22
Southwark	67.93	105.44	85.16
Slough UA	60.45	115.23	84.62
Bexley	66.28	105.97	84.41
Canterbury	62.54	111.10	84.27
Hounslow	65.86	106.02	84.18
Windsor and Maidenhead UA	61.07	111.28	83.43
Merton	63.50	105.73	82.64
Havering	64.08	102.12	81.47
Ealing	64.97	97.53	80.03

Head injuries :
SMR for each local authority (mentions)
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SMR
Southend-On-Sea UA	59.96	103.61	79.60
Basildon	57.79	102.66	77.86
Oxford	56.81	102.82	77.32
West Lancashire	53.06	108.27	77.09
Cherwell	54.82	104.50	76.74
Colchester	52.27	95.24	71.40
Sutton	50.52	90.29	68.29
Salisbury	46.83	95.57	68.05
Bromley	54.07	84.39	67.99
Redbridge	51.58	85.19	66.84
Epping Forest	45.66	93.17	66.34
Swindon UA	48.21	87.26	65.61
Greenwich	44.68	78.90	60.01

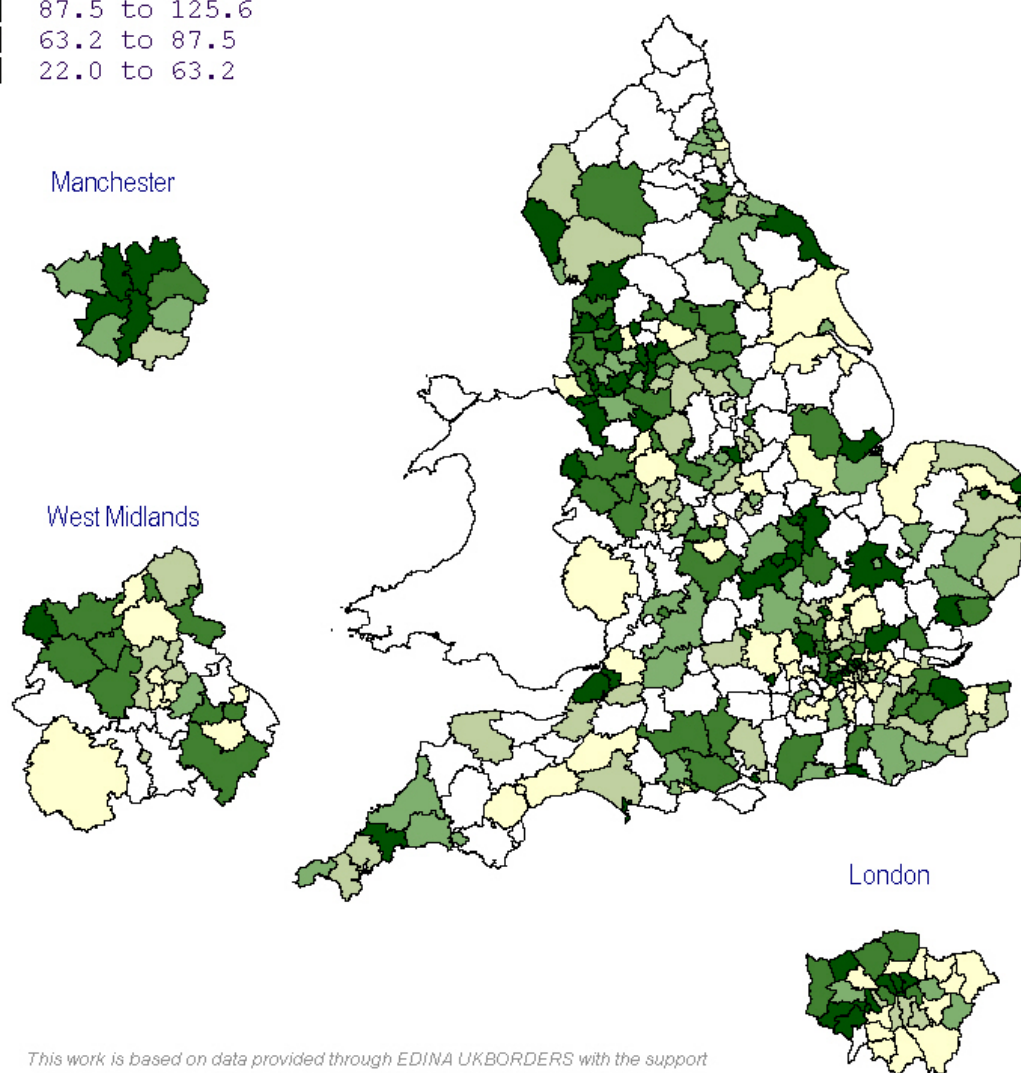
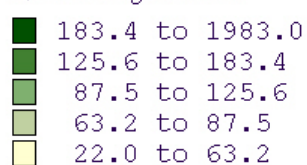
Head injuries : underlying cause: females

Standardised Mortality Ratio: each local authority in England

1996 to 2004

S00.0-S09.9

Quintile range of SMR



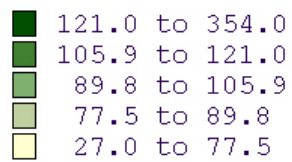
Head injuries: mentions: females

Standardised Mortality Ratio: each local authority in England

1996 to 2004

S00.0-S09.9

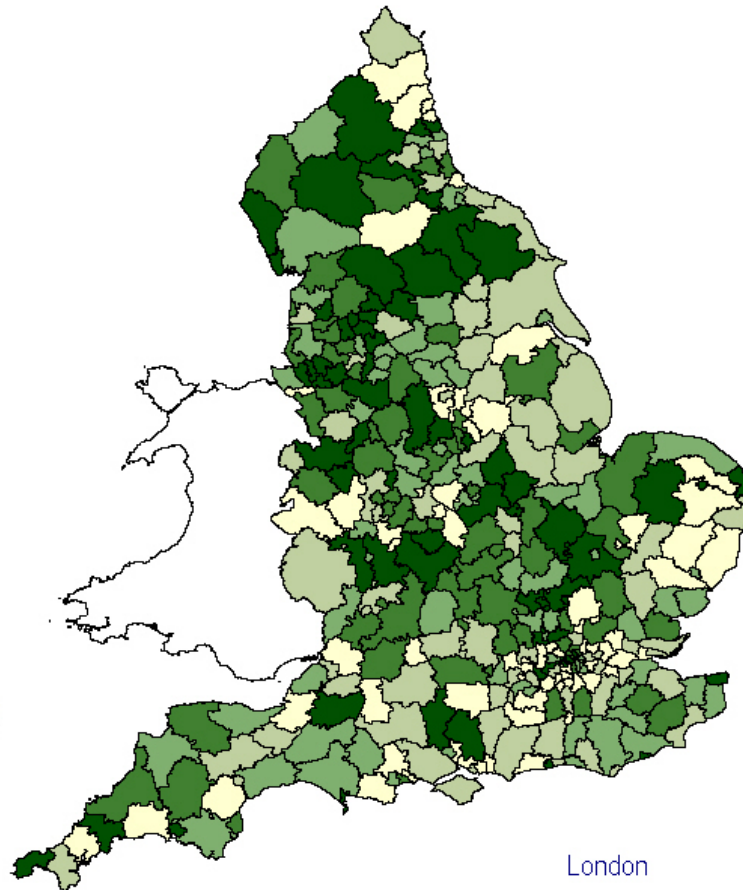
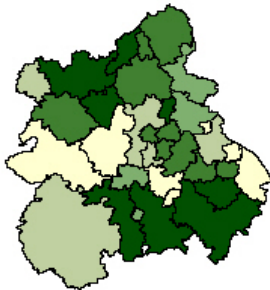
Quintile range of SMR



Manchester



West Midlands

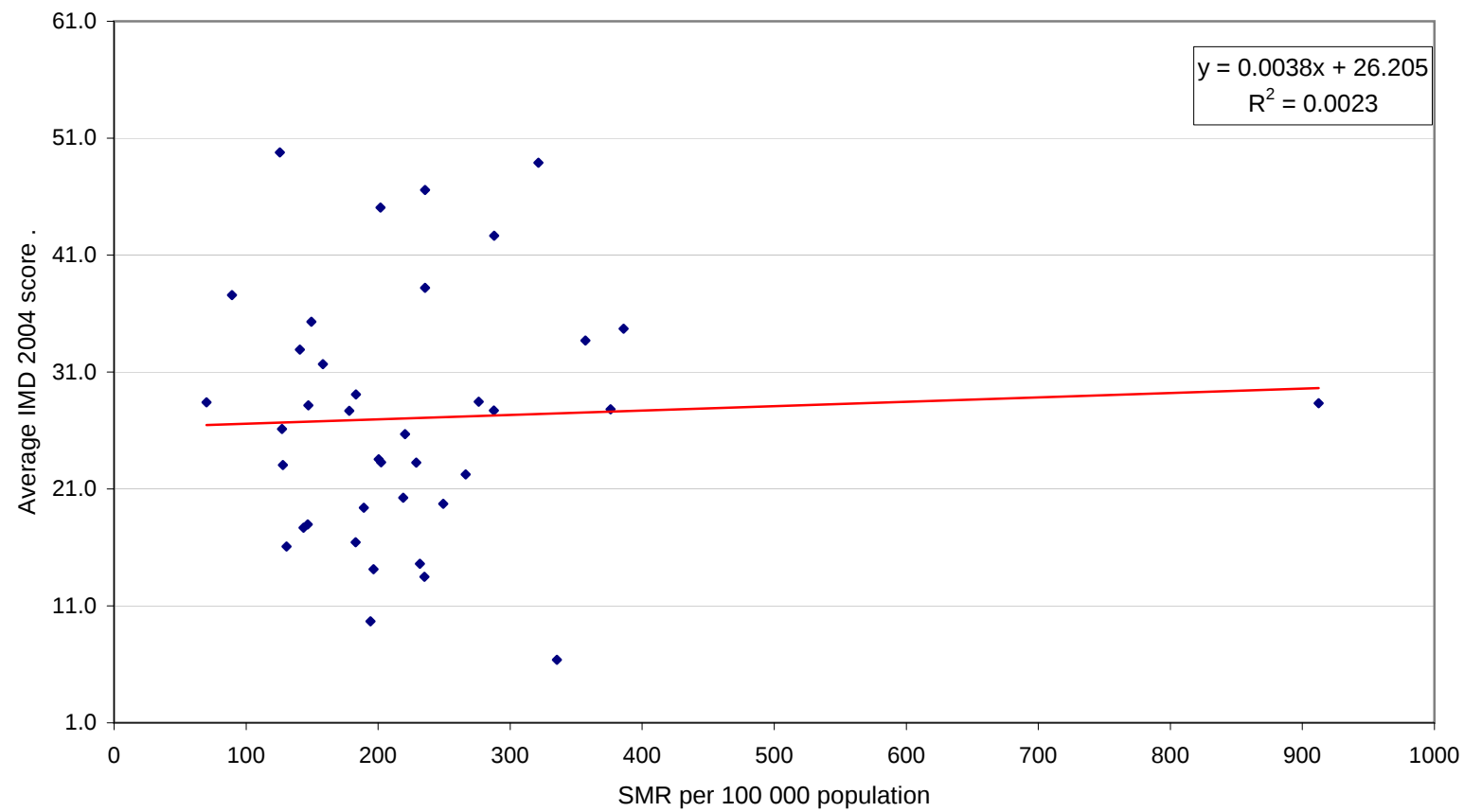


London

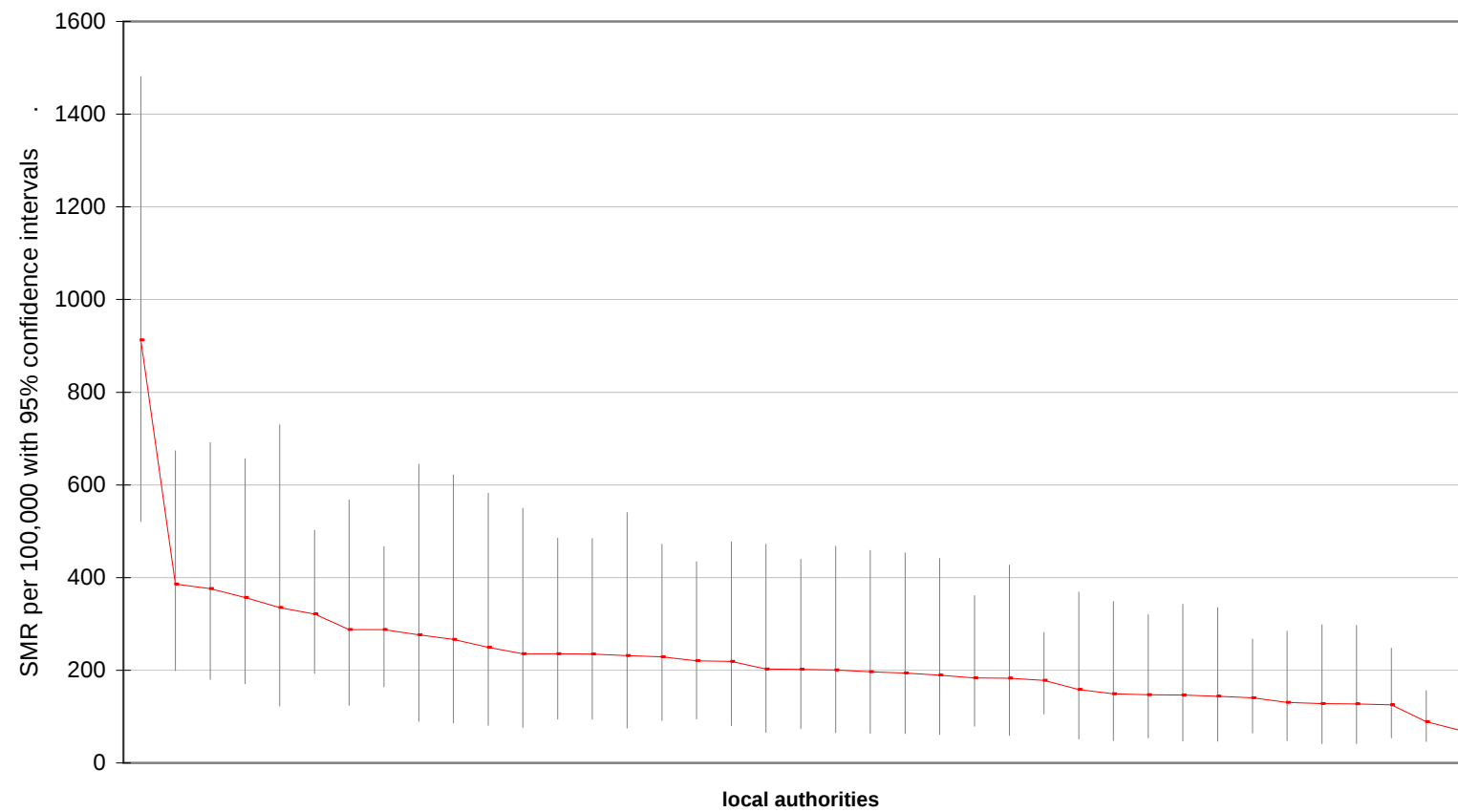


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Head injuries : average IMD score plotted against the SMR (underlying cause) for each local authority, Females



Head injuries :SMR (underlying cause) for each local authority, Females



Mortality - 1996 to 2004					Head injuries, all ages, Females										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				684	684.00	100.00	0.00	0.00	9789	9789.00	100.00	0.00	0.00	
00AC	Barnet	16.1 Q05	H		6	4.59	130.63	47.94	284.31	67	63.05	106.27	82.35	134.96	11.17
00CN	Birmingham	37.6 Q27	F		12	13.43	89.38	46.19	156.14	219	186.62	117.35	102.32	133.96	18.25
00CX	Bradford	32.9 Q12	D		9	6.39	140.76	64.36	267.21	119	89.83	132.47	109.74	158.52	13.22
00ML	Brighton and Hove UA	25.7 Q19	J		8	3.63	220.42	95.16	434.30	52	54.94	94.65	70.68	124.12	6.50
00HB	Bristol, City of UA	27.7 Q20	K		16	5.56	287.71	164.44	467.22	69	77.03	89.58	69.69	113.37	4.31
00BM	Bury	23.5 Q14	B		5	2.49	200.42	65.06	467.70	33	34.94	94.44	65.00	132.63	6.60
00AG	Camden	34.7 Q05	H		12	3.11	385.79	199.36	673.91	39	33.81	115.34	82.01	157.68	3.25
22UG	Colchester	14.6 Q03	G		5	2.16	231.57	75.17	540.38	28	30.13	92.93	61.75	134.30	5.60
00CQ	Coventry	28.2 Q28	F		6	4.08	147.08	53.98	320.12	67	57.92	115.67	89.64	146.90	11.17
00AK	Enfield	23.1 Q05	H		5	3.91	127.84	41.50	298.32	41	52.67	77.85	55.86	105.61	8.20
00AM	Hackney	45.1 Q06	H		6	2.97	201.77	74.05	439.14	34	31.26	108.76	75.31	151.98	5.67
00AN	Hammersmith and Fulham	27.8 Q04	H		10	2.66	376.02	180.30	691.49	40	27.81	143.84	102.75	195.88	4.00
00AQ	Harrow	13.5 Q04	H		7	2.98	235.15	94.53	484.50	29	40.95	70.82	47.43	101.71	4.14
00AS	Hillingdon	17.7 Q04	H		5	3.48	143.57	46.60	335.04	29	45.68	63.48	42.51	91.17	5.80
00AT	Hounslow	23.3 Q04	H		7	3.06	228.91	92.02	471.65	49	36.05	135.94	100.56	179.73	7.00
00AU	Islington	42.7 Q05	H		8	2.78	287.91	124.30	567.29	48	28.62	167.71	123.64	222.36	6.00
00BX	Knowsley	46.6 Q15	B		5	2.12	235.61	76.48	549.81	34	26.89	126.43	87.54	176.67	6.80
30UH	Lancaster	22.3 Q13	B		5	1.88	266.29	86.44	621.42	34	29.76	114.24	79.10	159.65	6.80
00DA	Leeds	27.7 Q12	D		18	10.10	178.24	105.64	281.70	148	141.09	104.90	88.68	123.22	8.22
00BY	Liverpool	49.8 Q15	B		8	6.37	125.63	54.24	247.54	111	85.95	129.15	106.24	155.53	13.88
00KA	Luton UA	23.3 Q02	G		5	2.47	202.29	65.66	472.06	37	29.81	124.14	87.39	171.11	7.40
00BN	Manchester	48.9 Q14	B		19	5.91	321.47	193.54	502.02	101	77.09	131.02	106.72	159.20	5.32
00LC	Medway UA	18.0 Q18	J		5	3.41	146.70	47.62	342.34	41	43.00	95.34	68.41	129.35	8.20
00HC	North Somerset UA	14.1 Q20	K		5	2.55	196.41	63.75	458.34	41	43.25	94.79	68.02	128.60	8.20
34UF	Northampton	20.2 Q25	E		6	2.74	219.05	80.39	476.76	39	35.78	109.00	77.50	149.01	6.50
33UG	Norwich	28.3 Q01	G		16	1.75	912.22	521.39	1481.39	37	26.33	140.53	98.93	193.71	2.31
38UC	Oxford	19.7 Q16	J		5	2.01	249.25	80.91	581.64	28	25.38	110.31	73.30	159.43	5.60
30UK	Preston	28.5 Q13	B		5	1.81	276.13	89.63	644.37	32	24.63	129.94	88.86	183.44	6.40
00BD	Richmond upon Thames	9.7 Q08	H		5	2.57	194.27	63.06	453.34	31	34.62	89.54	60.82	127.09	6.20
00BQ	Rochdale	33.7 Q14	B		10	2.80	356.98	171.17	656.49	47	38.19	123.06	90.41	163.65	4.70
00BR	Salford	38.2 Q14	B		7	2.97	235.46	94.65	485.15	39	44.00	88.64	63.02	121.18	5.57
00CA	Sefton	26.1 Q15	B		5	3.93	127.26	41.31	296.97	71	63.62	111.59	87.15	140.76	14.20

Mortality - 1996 to 2004					Head injuries, all ages, Females										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				684	684.00	100.00	0.00	0.00	9789	9789.00	100.00	0.00	0.00	
00CG	Sheffield	28.4	Q23	D	5	7.15	69.94	22.70	163.20	97	106.81	90.81	73.64	110.79	19.40
00CT	Solihull	16.4	Q27	F	5	2.73	182.94	59.38	426.92	43	39.58	108.65	78.62	146.35	8.60
12UG	South Cambridgeshire	6.4	Q01	G	6	1.79	335.29	123.05	729.76	37	24.46	151.26	106.49	208.50	6.17
00GL	Stoke-On-Trent UA	35.3	Q26	F	5	3.35	149.34	48.48	348.51	55	48.12	114.31	86.10	148.79	11.00
00DB	Wakefield	29.1	Q12	D	8	4.36	183.30	79.14	361.17	66	60.01	109.97	85.05	139.92	8.25
00EU	Warrington UA	19.4	Q15	B	5	2.64	189.13	61.39	441.36	44	35.16	125.13	90.91	167.99	8.80
00BK	Westminster	31.7	Q04	H	5	3.16	158.09	51.32	368.91	45	35.59	126.45	92.23	169.21	9.00

Head injuries :

SMR for each local authority (underlying cause) - sorted from highest to lowest, Females

Local authority	95% Confidence interval		SMR
Norwich	521.39	1481.39	912.22
Camden	199.36	673.91	385.79
Hammersmith and Fulham	180.30	691.49	376.02
Rochdale	171.17	656.49	356.98
South Cambridgeshire	123.05	729.76	335.29
Manchester	193.54	502.02	321.47
Islington	124.30	567.29	287.91
Bristol, City of UA	164.44	467.22	287.71
Preston	89.63	644.37	276.13
Lancaster	86.44	621.42	266.29
Oxford	80.91	581.64	249.25
Knowsley	76.48	549.81	235.61
Salford	94.65	485.15	235.46
Harrow	94.53	484.50	235.15
Colchester	75.17	540.38	231.57
Hounslow	92.02	471.65	228.91
Brighton and Hove UA	95.16	434.30	220.42
Northampton	80.39	476.76	219.05
Luton UA	65.66	472.06	202.29
Hackney	74.05	439.14	201.77
Bury	65.06	467.70	200.42
North Somerset UA	63.75	458.34	196.41
Richmond upon Thames	63.06	453.34	194.27
Warrington UA	61.39	441.36	189.13
Wakefield	79.14	361.17	183.30
Solihull	59.38	426.92	182.94
Leeds	105.64	281.70	178.24
Westminster	51.32	368.91	158.09
Stoke-On-Trent UA	48.48	348.51	149.34
Coventry	53.98	320.12	147.08
Medway UA	47.62	342.34	146.70
Hillingdon	46.60	335.04	143.57
Bradford	64.36	267.21	140.76
Barnet	47.94	284.31	130.63
Enfield	41.50	298.32	127.84
Sefton	41.31	296.97	127.26
Liverpool	54.24	247.54	125.63
Birmingham	46.19	156.14	89.38
Sheffield	22.70	163.20	69.94

Head injuries :
SMR for each local authority (mentions)
sorted from highest to lowest, Females

Local authority	95% Confidence interval		SMR
Islington	123.64	222.36	167.71
South Cambridgeshire	106.49	208.50	151.26
Hammersmith and Fulham	102.75	195.88	143.84
Norwich	98.93	193.71	140.53
Hounslow	100.56	179.73	135.94
Bradford	109.74	158.52	132.47
Manchester	106.72	159.20	131.02
Preston	88.86	183.44	129.94
Liverpool	106.24	155.53	129.15
Westminster	92.23	169.21	126.45
Knowsley	87.54	176.67	126.43
Warrington UA	90.91	167.99	125.13
Luton UA	87.39	171.11	124.14
Rochdale	90.41	163.65	123.06
Birmingham	102.32	133.96	117.35
Coventry	89.64	146.90	115.67
Camden	82.01	157.68	115.34
Stoke-On-Trent UA	86.10	148.79	114.31
Lancaster	79.10	159.65	114.24
Sefton	87.15	140.76	111.59
Oxford	73.30	159.43	110.31
Wakefield	85.05	139.92	109.97
Northampton	77.50	149.01	109.00
Hackney	75.31	151.98	108.76
Solihull	78.62	146.35	108.65
Barnet	82.35	134.96	106.27
Leeds	88.68	123.22	104.90
Medway UA	68.41	129.35	95.34
North Somerset UA	68.02	128.60	94.79
Brighton and Hove UA	70.68	124.12	94.65
Bury	65.00	132.63	94.44
Colchester	61.75	134.30	92.93
Sheffield	73.64	110.79	90.81
Bristol, City of UA	69.69	113.37	89.58
Richmond upon Thames	60.82	127.09	89.54
Salford	63.02	121.18	88.64
Enfield	55.86	105.61	77.85
Harrow	47.43	101.71	70.82
Hillingdon	42.51	91.17	63.48

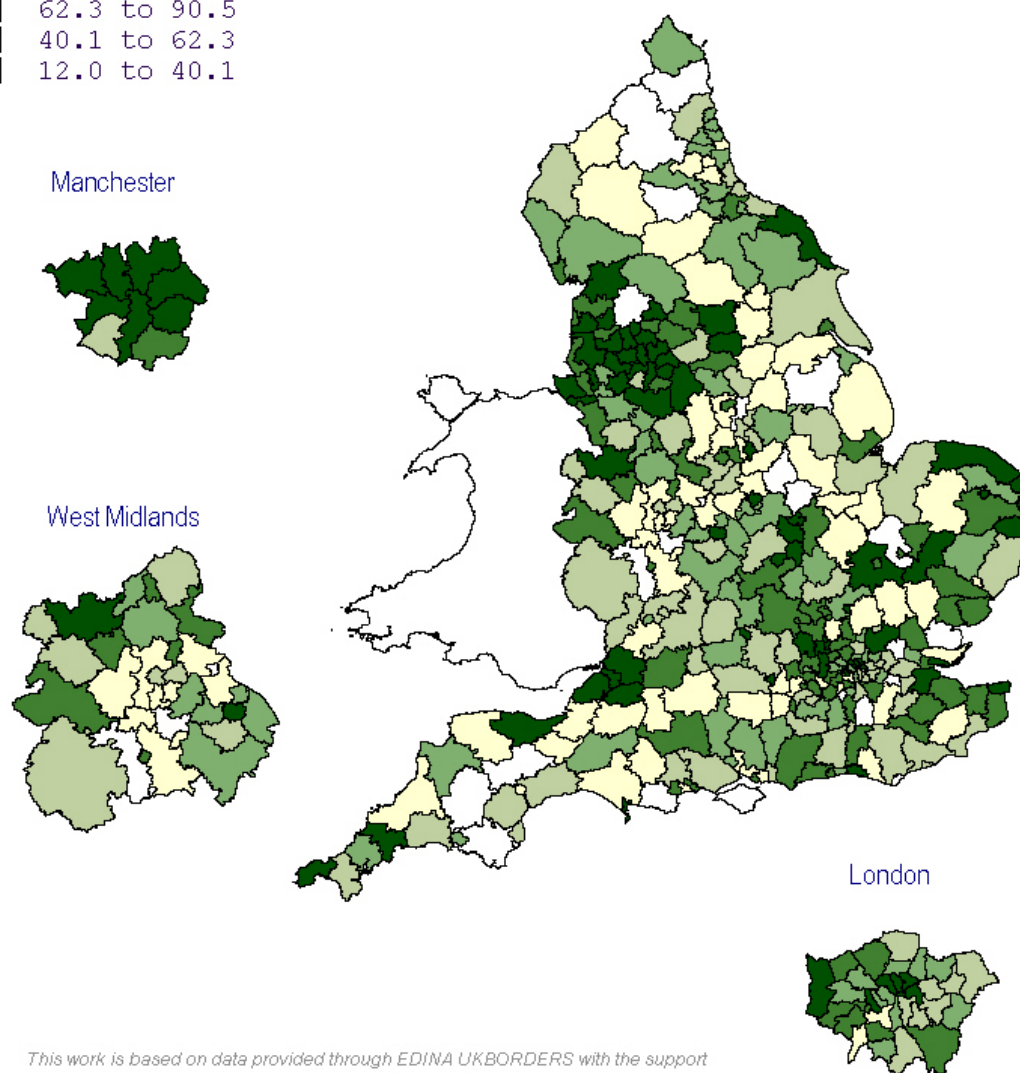
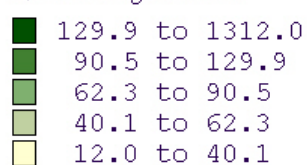
Head injuries : underlying cause: males and females

Standardised Mortality Ratio: each local authority in England

1996 to 2004

S00.0-S09.9

Quintile range of SMR



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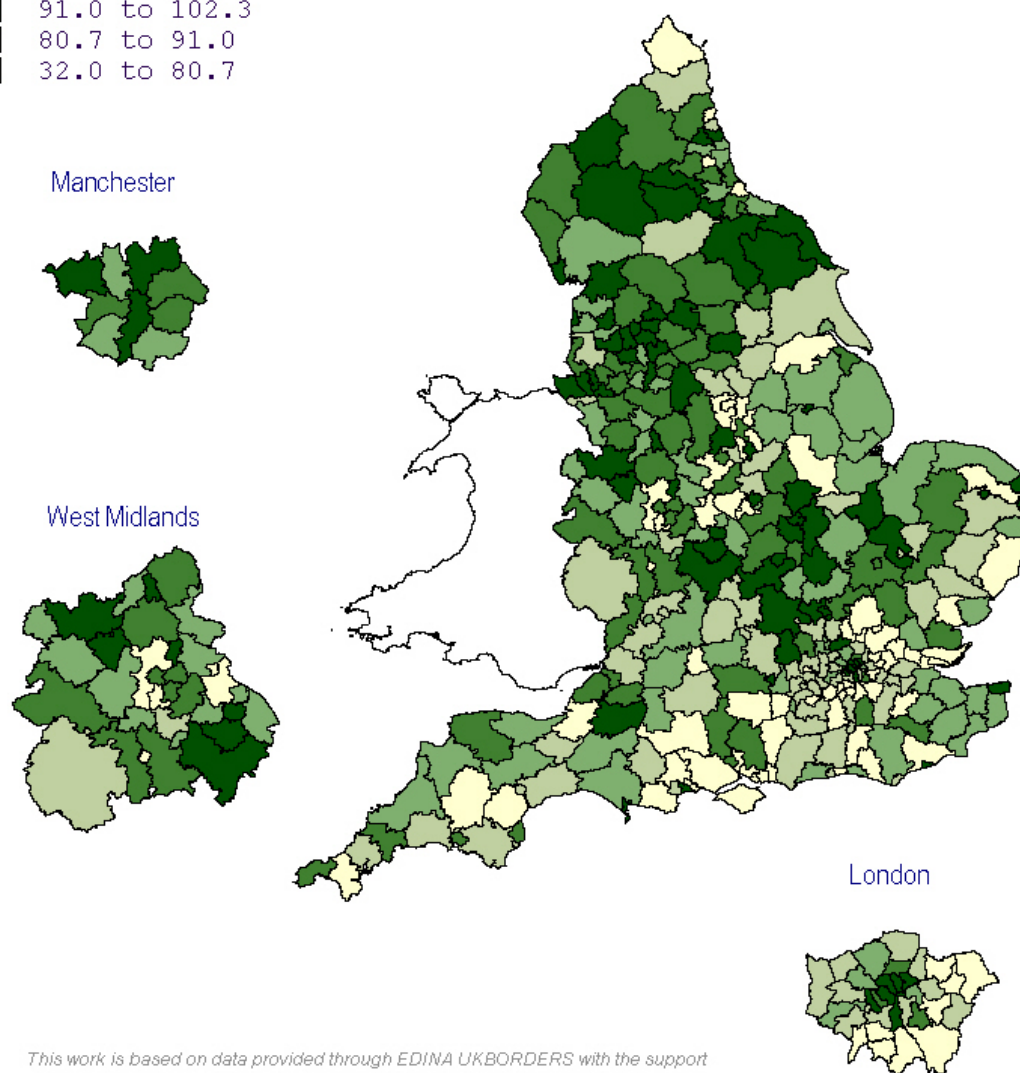
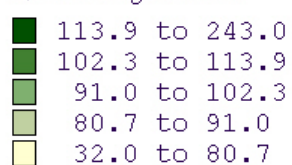
Head injuries: mentions: males and females

Standardised Mortality Ratio: each local authority in England

1996 to 2004

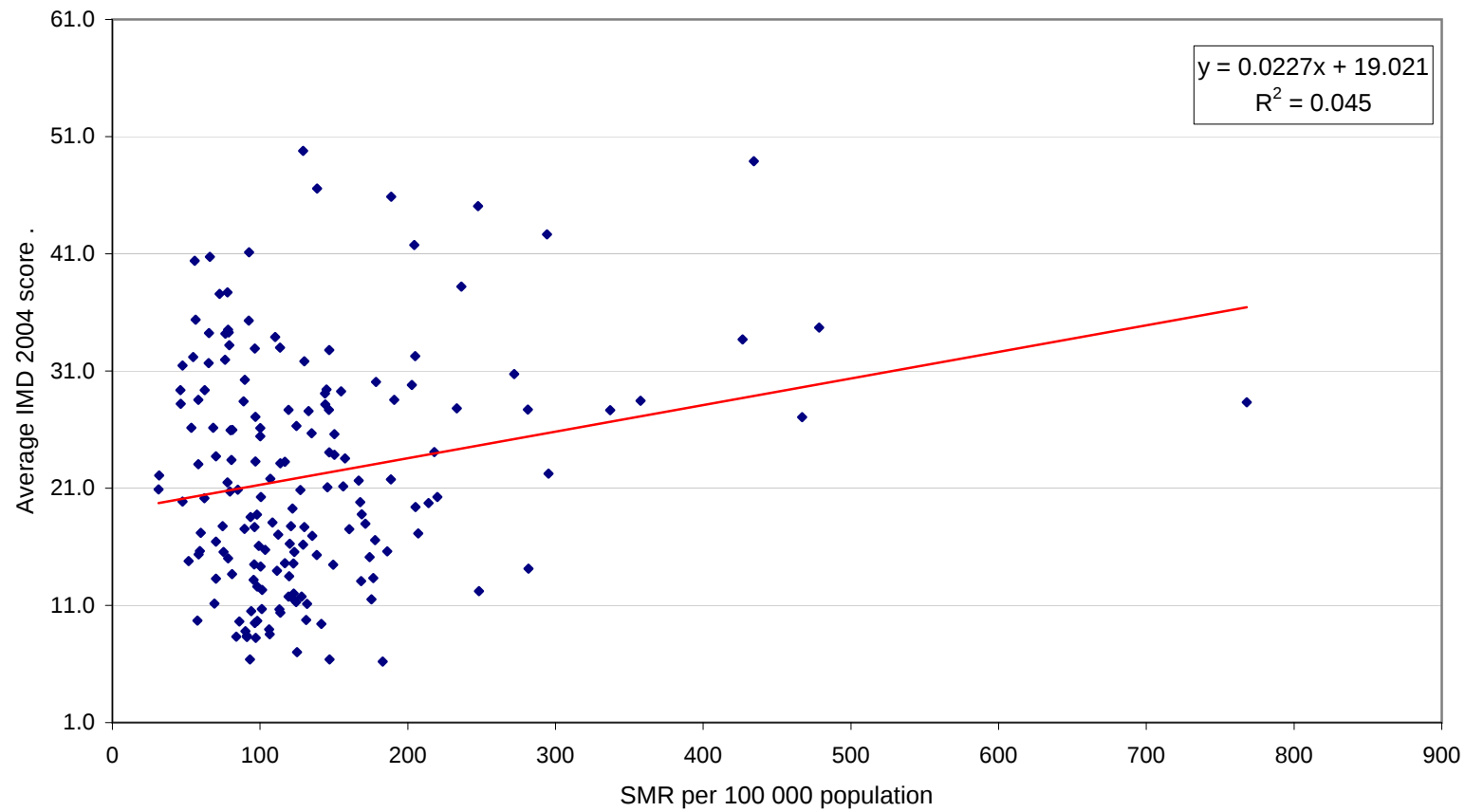
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Quintile range of SMR

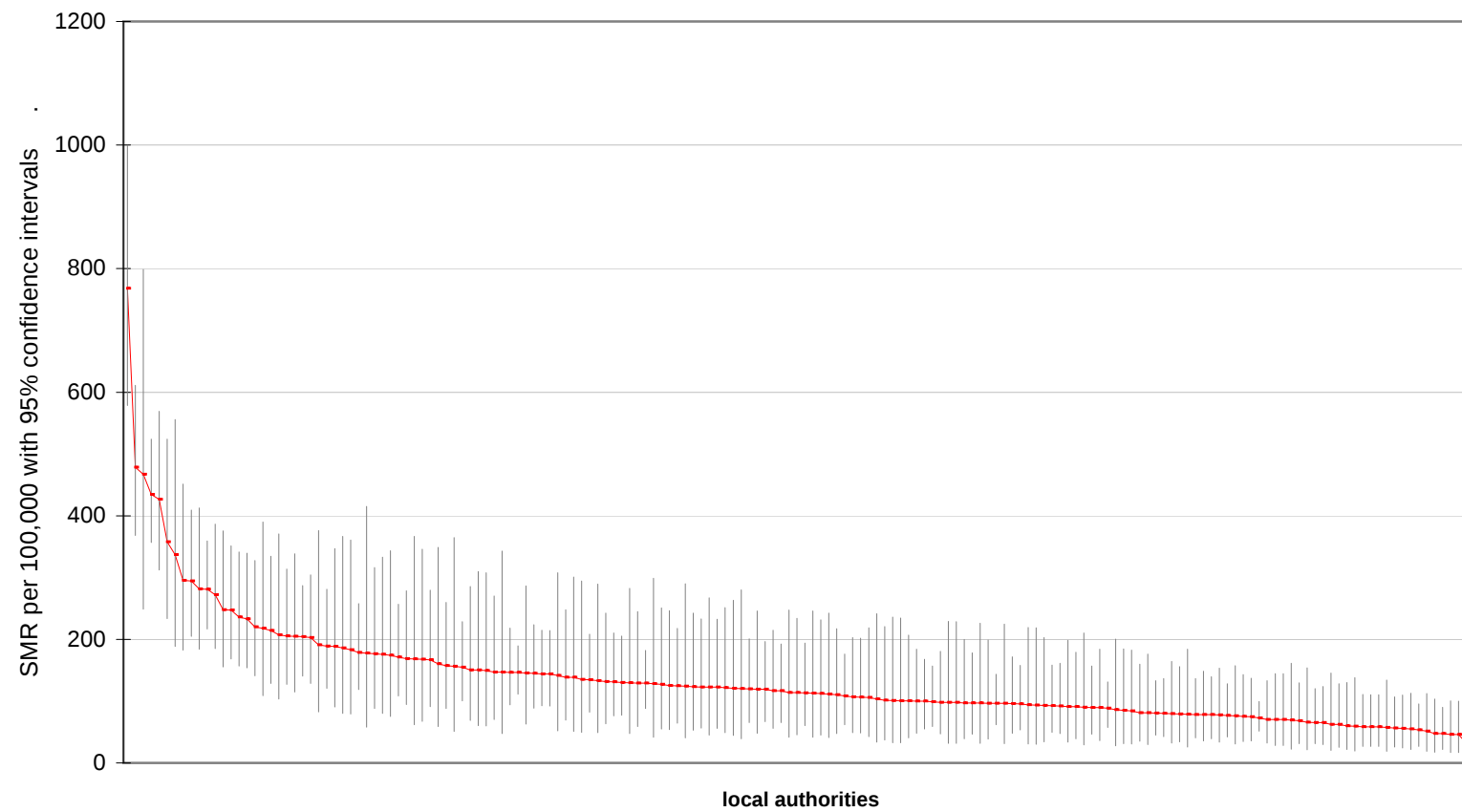


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Head injuries : average IMD score plotted against the SMR (underlying cause) for each local authority, both sexes



Head injuries :SMR (underlying cause) for each local authority, both sexes



Mortality - 1996 to 2004					Head injuries, all ages, Both sexes										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				2641	2641.00	100.00	0.00	0.00	30053	30053.00	100.00	0.00	0.00	
45UC	Arun	15.6 Q19	J		8	6.50	123.11	53.15	242.57	104	106.68	97.49	79.65	118.12	13.00
11UB	Aylesbury Vale	8.3 Q16	J		8	8.79	91.04	39.31	179.38	119	92.56	128.57	106.51	153.85	14.88
42UB	Babergh	11.3 Q01	G		5	4.02	124.30	40.35	290.07	43	52.43	82.01	59.35	110.47	8.60
00AC	Barnet	16.1 Q05	H		18	18.16	99.13	58.75	156.66	179	192.84	92.82	79.72	107.46	9.94
00CC	Barnsley	33.0 Q23	D		13	11.46	113.44	60.40	193.99	144	131.72	109.32	92.19	128.70	11.08
22UB	Basildon	20.7 Q03	G		7	8.79	79.65	32.02	164.12	74	95.67	77.35	60.73	97.10	10.57
00HA	Bath and North East Somerset UA	12.2 Q20	K		22	8.87	248.15	155.51	375.70	115	109.19	105.32	86.95	126.42	5.23
09UD	Bedford	17.5 Q02	G		7	7.83	89.40	35.94	184.20	102	86.65	117.71	95.98	142.90	14.57
00AD	Bexley	15.0 Q07	H		9	11.50	78.25	35.78	148.54	109	131.07	83.16	68.28	100.32	12.11
00CN	Birmingham	37.6 Q27	F		39	53.72	72.59	51.61	99.24	647	583.37	110.91	102.52	119.79	16.59
00EX	Blackburn with Darwen UA	32.3 Q13	B		15	7.31	205.08	114.78	338.24	109	78.39	139.05	114.18	167.74	7.27
00EY	Blackpool UA	33.9 Q13	B		8	7.26	110.20	47.58	217.13	109	94.42	115.44	94.79	139.26	13.63
00BL	Bolton	29.4 Q14	B		20	13.80	144.88	88.50	223.75	181	154.57	117.10	100.66	135.45	9.05
00CX	Bradford	32.9 Q12	D		24	24.91	96.36	61.74	143.38	351	275.89	127.22	114.26	141.26	14.63
00AE	Brent	26.0 Q04	H		13	16.26	79.97	42.58	136.75	150	147.36	101.79	86.15	119.45	11.54
00ML	Brighton and Hove UA	25.7 Q19	J		20	14.84	134.80	82.34	208.18	166	163.53	101.51	86.66	118.18	8.30
00HB	Bristol, City of UA	27.7 Q20	K		64	22.76	281.24	216.58	359.14	251	241.41	103.97	91.51	117.67	3.92
33UC	Broadland	9.6 Q01	G		5	5.82	85.95	27.90	200.58	49	75.51	64.90	48.01	85.80	9.80
00AF	Bromley	13.2 Q07	H		15	15.69	95.63	53.52	157.72	127	184.89	68.69	57.26	81.73	8.47
30UD	Burnley	31.8 Q13	B		6	4.62	129.86	47.66	282.65	94	53.20	176.70	142.79	216.24	15.67
00BM	Bury	23.5 Q14	B		15	9.53	157.45	88.12	259.68	106	106.83	99.23	81.24	120.01	7.07
00CY	Calderdale	25.4 Q12	D		10	9.98	100.16	48.03	184.19	119	116.28	102.34	84.78	122.46	11.90
12UB	Cambridge	14.6 Q01	G		9	7.34	122.63	56.07	232.79	74	70.93	104.33	81.92	130.98	8.22
00AG	Camden	34.7 Q05	H		64	13.38	478.39	368.40	610.91	197	115.40	170.72	147.71	196.29	3.08
41UB	Cannock Chase	20.3 Q26	F		5	4.97	100.54	32.63	234.62	63	51.83	121.55	93.40	155.52	12.60
29UC	Canterbury	16.2 Q18	J		9	6.97	129.12	59.04	245.11	84	92.05	91.25	72.78	112.98	9.33
22UF	Chelmsford	8.6 Q03	G		9	8.45	106.47	48.68	202.12	89	93.24	95.45	76.65	117.46	9.89
38UB	Cherwell	11.2 Q16	J		5	7.24	69.08	22.42	161.21	66	75.37	87.56	67.72	111.40	13.20
13UB	Chester	17.0 Q15	B		7	6.23	112.30	45.14	231.38	75	74.64	100.48	79.03	125.95	10.71
17UD	Chesterfield	27.1 Q24	E		5	5.16	96.87	31.45	226.07	48	61.97	77.45	57.10	102.69	9.60
45UD	Chichester	10.7 Q19	J		5	4.94	101.19	32.84	236.13	66	75.03	87.97	68.03	111.92	13.20
11UC	Chiltern	6.2 Q16	J		8	4.37	183.03	79.02	360.64	61	55.03	110.84	84.78	142.38	7.63

Mortality - 1996 to 2004					Head injuries, all ages, Both sexes										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				2641	2641.00	100.00	0.00	0.00	30053	30053.00	100.00	0.00	0.00	
30UE	Chorley	17.2 Q13	B		11	5.31	207.13	103.40	370.61	75	58.66	127.85	100.55	160.26	6.82
22UG	Colchester	14.6 Q03	G		10	8.57	116.74	55.98	214.69	74	94.26	78.51	61.64	98.56	7.40
34UB	Corby	27.1 Q25	E		13	2.78	467.03	248.68	798.63	72	29.63	242.96	190.09	305.97	5.54
00CQ	Coventry	28.2 Q28	F		24	16.65	144.18	92.38	214.53	223	183.94	121.24	105.84	138.24	9.29
00AH	Croydon	19.9 Q08	H		9	18.96	47.48	21.71	90.13	152	191.89	79.21	67.12	92.85	16.89
26UC	Dacorum	9.5 Q02	G		7	7.25	96.49	38.79	198.81	72	80.96	88.93	69.58	111.99	10.29
00FK	Derby UA	27.7 Q24	E		15	12.58	119.23	66.73	196.66	150	140.49	106.77	90.36	125.29	10.00
29UE	Dover	18.7 Q18	J		5	5.10	97.95	31.80	228.59	67	67.50	99.26	76.92	126.05	13.40
00CR	Dudley	22.1 Q27	F		5	15.80	31.65	10.27	73.86	145	184.49	78.59	66.32	92.48	29.00
00AJ	Ealing	23.4 Q04	H		15	18.61	80.60	45.11	132.94	145	171.67	84.46	71.27	99.38	9.67
34UD	East Northamptonshire	11.8 Q25	E		5	3.90	128.08	41.58	298.90	55	45.37	121.22	91.31	157.79	11.00
00FB	East Riding of Yorkshire UA	15.3 Q11	D		9	15.41	58.39	26.70	110.84	178	197.88	89.95	77.22	104.18	19.78
41UC	East Staffordshire	18.5 Q26	F		5	5.34	93.64	30.40	218.52	58	61.44	94.40	71.68	122.04	11.60
13UE	Ellesmere Port and Neston	19.8 Q15	B		7	4.17	167.79	67.45	345.72	43	48.23	89.16	64.52	120.10	6.14
43UB	Elmbridge	7.0 Q19	J		8	6.40	125.07	54.00	246.44	59	76.31	77.31	58.85	99.73	7.38
00AK	Enfield	23.1 Q05	H		9	15.48	58.15	26.59	110.39	133	162.76	81.71	68.42	96.84	14.78
22UH	Epping Forest	13.3 Q03	G		11	6.23	176.69	88.20	316.15	60	74.46	80.58	61.49	103.72	5.45
17UG	Erewash	19.3 Q24	E		7	5.74	121.92	49.01	251.20	60	65.97	90.96	69.40	117.08	8.57
30UF	Fylde	13.1 Q13	B		6	3.56	168.42	61.81	366.56	47	51.66	90.97	66.84	120.98	7.83
00CH	Gateshead	33.2 Q09	A		8	10.12	79.08	34.14	155.81	108	117.65	91.79	75.30	110.83	13.50
24UF	Gosport	16.3 Q17	J		5	4.16	120.08	38.98	280.22	36	46.79	76.93	53.88	106.51	7.20
33UD	Great Yarmouth	27.7 Q01	G		15	4.45	336.99	188.60	555.81	81	59.19	136.86	108.68	170.11	5.40
00AL	Greenwich	31.5 Q07	H		6	12.61	47.57	17.46	103.54	78	126.22	61.80	48.85	77.13	13.00
43UD	Guildford	8.3 Q19	J		6	7.15	83.88	30.78	182.57	67	79.52	84.26	65.30	107.01	11.17
00AM	Hackney	45.1 Q06	H		31	12.53	247.47	168.11	351.28	133	107.76	123.42	103.33	146.26	4.29
00ET	Halton UA	34.3 Q15	B		5	6.34	78.81	25.58	183.92	81	67.07	120.76	95.90	150.10	16.20
00AN	Hammersmith and Fulham	27.8 Q04	H		27	11.58	233.18	153.67	339.27	115	94.95	121.12	100.00	145.39	4.26
00AP	Haringey	37.7 Q05	H		11	14.11	77.97	38.92	139.52	130	120.13	108.22	90.42	128.50	11.82
00AQ	Harrow	13.5 Q04	H		14	11.69	119.71	65.45	200.86	107	126.73	84.43	69.19	102.03	7.64
00AR	Havering	14.8 Q06	H		6	11.60	51.71	18.98	112.55	102	138.55	73.62	60.03	89.37	17.00
00GA	Herefordshire, County of UA	15.7 Q28	F		5	8.44	59.24	19.23	138.25	99	110.89	89.28	72.56	108.69	19.80
26UE	Hertsmere	12.0 Q02	G		6	4.89	122.78	45.06	267.24	70	58.04	120.61	94.02	152.38	11.67

Mortality - 1996 to 2004					Head injuries, all ages, Both sexes										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				2641	2641.00	100.00	0.00	0.00	30053	30053.00	100.00	0.00	0.00	
17UH	High Peak	15.1 Q24	E		8	4.59	174.18	75.20	343.20	64	53.45	119.74	92.21	152.91	8.00
00AS	Hillingdon	17.7 Q04	H		18	13.85	129.92	77.00	205.33	130	144.60	89.90	75.11	106.75	7.22
00AT	Hounslow	23.3 Q04	H		15	12.85	116.71	65.32	192.49	121	120.81	100.16	83.11	119.68	8.07
30UG	Hyndburn	28.5 Q13	B		8	4.19	190.86	82.40	376.06	64	47.98	133.39	102.72	170.34	8.00
00AU	Islington	42.7 Q05	H		35	11.90	294.24	204.91	409.23	146	99.42	146.86	124.00	172.70	4.17
00AW	Kensington and Chelsea	21.5 Q04	H		8	10.27	77.90	33.63	153.49	106	94.46	112.22	91.87	135.72	13.25
34UE	Kettering	15.3 Q25	E		6	4.34	138.32	50.76	301.04	58	49.11	118.11	89.68	152.69	9.67
00FA	Kingston upon Hull, City of UA	41.1 Q11	D		13	14.05	92.55	49.28	158.26	148	151.39	97.76	82.65	114.84	11.38
00CZ	Kirklees	26.2 Q12	D		11	20.56	53.51	26.71	95.74	236	229.97	102.62	89.95	116.58	21.45
00BX	Knowsley	46.6 Q15	B		11	7.94	138.51	69.14	247.83	118	84.48	139.68	115.61	167.28	10.73
00AY	Lambeth	34.2 Q07	H		14	18.30	76.50	41.82	128.35	199	146.20	136.11	117.85	156.39	14.21
30UH	Lancaster	22.3 Q13	B		21	7.11	295.34	182.82	451.46	104	87.50	118.86	97.11	144.02	4.95
00DA	Leeds	27.7 Q12	D		58	39.54	146.71	111.39	189.66	472	436.60	108.11	98.57	118.32	8.14
00FN	Leicester UA	32.8 Q25	E		24	16.36	146.72	94.01	218.31	205	168.93	121.35	105.31	139.15	8.54
00AZ	Lewisham	28.6 Q07	H		9	15.46	58.23	26.62	110.53	144	140.73	102.32	86.29	120.47	16.00
00BY	Liverpool	49.8 Q15	B		32	24.80	129.05	88.26	182.19	341	267.74	127.36	114.20	141.62	10.66
00KA	Luton UA	23.3 Q02	G		10	10.32	96.93	46.48	178.26	116	101.29	114.53	94.63	137.36	11.60
13UG	Macclesfield	11.1 Q15	B		10	7.59	131.82	63.21	242.41	103	95.52	107.83	88.01	130.78	10.30
29UH	Maidstone	11.5 Q18	J		9	7.32	122.89	56.19	233.29	84	84.46	99.45	79.33	123.13	9.33
00BN	Manchester	48.9 Q14	B		109	25.09	434.35	356.64	523.96	417	250.40	166.53	150.93	183.31	3.83
00LC	Medway UA	18.0 Q18	J		23	13.43	171.32	108.60	257.06	136	138.87	97.94	82.17	115.85	5.91
00BA	Merton	14.5 Q08	H		11	11.46	95.96	47.90	171.71	83	110.91	74.83	59.60	92.77	7.55
45UG	Mid Sussex	6.4 Q19	J		6	6.44	93.19	34.20	202.83	62	79.29	78.20	59.95	100.25	10.33
00EC	Middlesbrough UA	40.7 Q10	A		5	7.58	65.98	21.42	153.98	87	82.07	106.01	84.90	130.76	17.40
00MG	Milton Keynes UA	15.6 Q16	J		9	11.96	75.23	34.39	142.80	108	112.04	96.40	79.07	116.38	12.00
00CJ	Newcastle upon Tyne	34.5 Q09	A		12	15.32	78.31	40.47	136.80	206	168.30	122.40	106.25	140.30	17.17
00BB	Newham	40.4 Q06	H		8	14.36	55.71	24.05	109.78	115	126.42	90.97	75.10	109.19	14.38
00FC	North East Lincolnshire UA	29.4 Q11	D		5	8.01	62.44	20.27	145.71	100	95.36	104.86	85.32	127.54	20.00
33UF	North Norfolk	16.9 Q01	G		6	4.43	135.30	49.65	294.47	71	70.97	100.05	78.13	126.20	11.83
39UC	North Shropshire	16.6 Q26	F		5	2.81	177.87	57.74	415.08	41	35.84	114.39	82.08	155.19	8.20
00HC	North Somerset UA	14.1 Q20	K		26	9.23	281.76	184.06	412.85	129	124.20	103.86	86.71	123.41	4.96
00CK	North Tyneside	26.0 Q09	A		8	9.86	81.17	35.05	159.94	138	119.35	115.62	97.14	136.60	17.25

Mortality - 1996 to 2004					Head injuries, all ages, Both sexes										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				2641	2641.00	100.00	0.00	0.00	30053	30053.00	100.00	0.00	0.00	
46UC	North Wiltshire	8.4	Q20	K	6	6.59	91.09	33.43	198.26	67	73.58	91.06	70.57	115.65	11.17
34UF	Northampton	20.2	Q25	E	24	10.91	220.00	140.96	327.34	145	114.35	126.80	107.00	149.20	6.04
33UG	Norwich	28.3	Q01	G	55	7.16	767.97	578.50	999.64	118	79.63	148.19	122.66	177.46	2.15
00FY	Nottingham UA	41.8	Q24	E	33	16.15	204.33	140.63	286.97	230	165.44	139.03	121.64	158.20	6.97
00BP	Oldham	30.7	Q14	B	31	11.39	272.11	184.85	386.25	136	127.21	106.91	89.70	126.47	4.39
38UC	Oxford	19.7	Q16	J	19	8.88	214.05	128.87	334.27	75	85.31	87.92	69.15	110.21	3.95
30UJ	Pendle	27.6	Q13	B	6	4.51	132.90	48.78	289.26	70	52.71	132.79	103.51	167.78	11.67
00HG	Plymouth UA	26.2	Q21	K	9	13.18	68.29	31.23	129.64	166	150.24	110.49	94.32	128.63	18.44
00HP	Poole UA	14.3	Q22	K	7	6.97	100.44	40.38	206.95	83	93.23	89.03	70.91	110.37	11.86
30UK	Preston	28.5	Q13	B	26	7.27	357.58	233.59	523.94	108	77.78	138.85	113.90	167.64	4.15
00MC	Reading UA	18.8	Q16	J	15	8.89	168.78	94.46	278.37	103	85.09	121.05	98.81	146.81	6.87
00BC	Redbridge	17.8	Q06	H	10	13.40	74.60	35.77	137.20	95	142.40	66.71	53.97	81.56	9.50
43UF	Reigate and Banstead	9.0	Q19	J	7	6.60	106.11	42.66	218.63	69	77.89	88.58	68.92	112.11	9.86
15UG	Restormel	23.9	Q21	K	7	4.66	150.31	60.43	309.71	70	61.44	113.93	88.81	143.94	10.00
00BD	Richmond upon Thames	9.7	Q08	H	10	10.19	98.11	47.04	180.43	92	106.41	86.46	69.70	106.04	9.20
00BQ	Rochdale	33.7	Q14	B	46	10.78	426.59	312.29	569.02	167	118.77	140.61	120.09	163.63	3.63
30UM	Rossendale	24.1	Q13	B	5	3.40	146.90	47.68	342.80	66	38.24	172.62	133.49	219.61	13.20
00CF	Rotherham	28.2	Q23	D	6	12.99	46.21	16.96	100.57	120	147.77	81.21	67.33	97.11	20.00
24UL	Rushmoor	10.4	Q17	J	6	5.27	113.77	41.75	247.63	50	50.30	99.40	73.77	131.04	8.33
00BR	Salford	38.2	Q14	B	28	11.85	236.21	156.96	341.38	150	134.01	111.93	94.73	131.34	5.36
46UD	Salisbury	11.8	Q20	K	7	5.87	119.26	47.94	245.74	52	72.53	71.69	53.54	94.02	7.43
36UG	Scarborough	24.1	Q11	D	11	5.05	217.98	108.81	390.02	85	72.85	116.68	93.19	144.28	7.73
00CA	Sefton	26.1	Q15	B	14	13.99	100.09	54.72	167.94	195	180.87	107.81	93.21	124.06	13.93
00CG	Sheffield	28.4	Q23	D	25	28.18	88.73	57.42	130.98	293	324.11	90.40	80.35	101.37	11.72
00MD	Slough UA	20.9	Q16	J	6	7.07	84.91	31.16	184.81	52	65.51	79.37	59.28	104.09	8.67
00CT	Solihull	16.4	Q27	F	7	9.98	70.14	28.20	144.53	121	120.54	100.38	83.29	119.95	17.29
09UE	South Bedfordshire	12.3	Q02	G	6	5.91	101.45	37.23	220.80	88	64.19	137.10	109.95	168.91	14.67
12UG	South Cambridgeshire	6.4	Q01	G	10	6.80	147.03	70.50	270.38	85	77.48	109.71	87.63	135.66	8.50
00HD	South Gloucestershire UA	9.8	Q20	K	17	12.95	131.24	76.45	210.13	127	140.68	90.28	75.26	107.41	7.47
33UH	South Norfolk	10.7	Q01	G	6	5.31	113.01	41.47	245.96	59	70.85	83.27	63.39	107.42	9.83
30UN	South Ribble	14.0	Q13	B	6	5.39	111.42	40.89	242.50	60	61.50	97.57	74.45	125.59	10.00
40UD	South Somerset	13.7	Q22	K	6	7.41	80.96	29.71	176.20	97	98.68	98.30	79.71	119.92	16.17

Mortality - 1996 to 2004					Head injuries, all ages, Both sexes										
					Underlying cause					Mentions				Ratio	
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval	Obs.	Exp.	SMR	95% Confidence interval	mentions to underlyin g cause		
N/A	ALL ENGLAND				2641	2641.00	100.00	0.00	0.00	30053	30053.00	100.00	0.00	0.00	
00MS	Southampton UA	23.7	Q17	J	9	12.82	70.20	32.10	133.26	143	134.79	106.09	89.42	124.98	15.89
00KF	Southend-On-Sea UA	21.7	Q03	G	14	8.40	166.68	91.13	279.66	86	108.12	79.54	63.62	98.23	6.14
00BE	Southwark	35.4	Q07	H	9	15.96	56.40	25.79	107.07	124	138.08	89.81	74.69	107.08	13.78
42UF	St. Edmundsbury	11.5	Q01	G	9	5.13	175.49	80.24	333.13	64	60.00	106.67	82.15	136.22	7.11
00BZ	St. Helens	32.0	Q15	B	7	9.18	76.26	30.66	157.13	116	103.98	111.56	92.19	133.81	16.57
26UH	Stevenage	15.6	Q02	G	8	4.30	186.10	80.35	366.68	49	44.16	110.96	82.08	146.70	6.13
00BS	Stockport	18.1	Q14	B	16	14.76	108.39	61.95	176.01	161	174.37	92.33	78.62	107.75	10.06
00EF	Stockton-On-Tees UA	26.3	Q10	A	12	9.63	124.62	64.40	217.68	108	104.11	103.74	85.10	125.25	9.00
00GL	Stoke-On-Trent UA	35.3	Q26	F	12	13.01	92.26	47.68	161.16	170	147.47	115.28	98.60	133.97	14.17
44UE	Stratford-On-Avon	8.8	Q28	F	5	5.55	90.06	29.23	210.16	92	71.11	129.37	104.29	158.67	18.40
00CM	Sunderland	34.2	Q09	A	10	15.28	65.45	31.38	120.36	159	168.46	94.38	80.28	110.25	15.90
00BF	Sutton	13.3	Q08	H	7	9.99	70.08	28.17	144.39	74	108.11	68.45	53.74	85.93	10.57
29UM	Swale	20.9	Q18	J	8	6.29	127.21	54.92	250.65	68	71.78	94.73	73.56	120.10	8.50
00HX	Swindon UA	17.2	Q20	K	6	10.02	59.89	21.98	130.35	66	102.60	64.33	49.75	81.84	11.00
00BT	Tameside	29.8	Q14	B	23	11.35	202.66	128.47	304.08	144	126.81	113.56	95.77	133.70	6.26
00GF	Telford and Wrekin UA	21.8	Q26	F	9	8.42	106.89	48.87	202.91	101	86.85	116.29	94.72	141.31	11.22
22UN	Tendring	23.1	Q03	G	7	6.16	113.64	45.68	234.15	98	102.06	96.02	77.95	117.02	14.00
29UN	Thanet	25.6	Q18	J	9	5.99	150.35	68.75	285.42	102	87.59	116.46	94.96	141.37	11.33
26UJ	Three Rivers	9.4	Q02	G	6	4.24	141.44	51.91	307.85	50	51.17	97.72	72.52	128.83	8.33
00BG	Tower Hamlets	45.9	Q06	H	24	12.71	188.82	120.98	280.94	107	104.97	101.94	83.54	123.18	4.46
00BU	Trafford	20.2	Q14	B	7	11.25	62.25	25.02	128.26	126	129.64	97.19	80.96	115.72	18.00
29UQ	Tunbridge Wells	10.5	Q18	J	5	5.32	94.02	30.52	219.41	67	64.64	103.65	80.32	131.63	13.40
00DB	Wakefield	29.1	Q12	D	24	16.68	143.85	92.16	214.03	220	186.22	118.14	103.04	134.82	9.17
00CU	Walsall	29.4	Q27	F	6	13.05	45.98	16.87	100.07	166	150.64	110.19	94.07	128.29	27.67
00BH	Waltham Forest	30.2	Q06	H	12	13.37	89.75	46.38	156.78	106	127.07	83.42	68.30	100.89	8.83
00BJ	Wandsworth	20.9	Q08	H	6	19.19	31.26	11.47	68.04	134	157.79	84.92	71.15	100.58	22.33
00EU	Warrington UA	19.4	Q15	B	21	10.24	205.17	127.00	313.63	126	110.71	113.81	94.81	135.51	6.00
26UK	Watford	14.5	Q02	G	7	4.68	149.46	60.08	307.94	47	46.24	101.65	74.68	135.18	6.71
42UH	Waveney	21.8	Q01	G	10	5.30	188.57	90.42	346.77	74	75.49	98.03	76.97	123.07	7.40
34UH	Wellingborough	17.5	Q25	E	6	3.74	160.30	58.83	348.89	47	42.30	111.10	81.63	147.75	7.83
26UL	Welwyn Hatfield	12.6	Q02	G	5	5.10	98.07	31.84	228.87	48	60.13	79.83	58.85	105.84	9.60
30UP	West Lancashire	21.1	Q13	B	8	5.50	145.50	62.82	286.69	54	64.72	83.44	62.68	108.87	6.75

Mortality - 1996 to 2004					Head injuries, all ages, Both sexes										
					Underlying cause					Mentions					Ratio
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SMR	95% Confidence interval		Obs.	Exp.	SMR	95% Confidence interval		mentions to underlyin g cause
N/A	ALL ENGLAND				2641	2641.00	100.00	0.00	0.00	30053	30053.00	100.00	0.00	0.00	
00BK	Westminster	31.7	Q04	H	9	13.80	65.21	29.82	123.79	152	121.65	124.95	105.87	146.46	16.89
19UJ	Weymouth and Portland	21.2	Q22	K	5	3.20	156.34	50.75	364.84	54	41.95	128.72	96.69	167.95	10.80
00BW	Wigan	29.3	Q14	B	25	16.14	154.86	100.22	228.61	183	175.94	104.01	89.49	120.22	7.32
00ME	Windsor and Maidenhead UA	8.2	Q16	J	7	7.22	96.95	38.98	199.77	66	80.83	81.65	63.15	103.89	9.43
00CB	Wirral	30.1	Q15	B	28	15.69	178.44	118.57	257.89	230	199.80	115.12	100.72	131.00	8.21
00CW	Wolverhampton	32.2	Q27	F	7	12.79	54.74	22.01	112.79	160	146.49	109.22	92.95	127.52	22.86
47UE	Worcester	17.7	Q28	F	5	5.19	96.28	31.25	224.67	43	54.84	78.41	56.74	105.61	8.60
45UH	Worthing	15.7	Q19	J	5	4.83	103.49	33.59	241.50	67	73.69	90.92	70.46	115.46	13.40
11UF	Wycombe	9.7	Q16	J	5	8.69	57.51	18.67	134.21	107	93.91	113.93	93.37	137.68	21.40
30UQ	Wyre	17.8	Q13	B	6	4.96	120.97	44.40	263.29	65	70.77	91.85	70.88	117.07	10.83

Head injuries :

SMR for each local authority (underlying cause) - sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SMR
Norwich	578.50	999.64	767.97
Camden	368.40	610.91	478.39
Corby	248.68	798.63	467.03
Manchester	356.64	523.96	434.35
Rochdale	312.29	569.02	426.59
Preston	233.59	523.94	357.58
Great Yarmouth	188.60	555.81	336.99
Lancaster	182.82	451.46	295.34
Islington	204.91	409.23	294.24
North Somerset UA	184.06	412.85	281.76
Bristol, City of UA	216.58	359.14	281.24
Oldham	184.85	386.25	272.11
Bath and North East Somerset UA	155.51	375.70	248.15
Hackney	168.11	351.28	247.47
Salford	156.96	341.38	236.21
Hammersmith and Fulham	153.67	339.27	233.18
Northampton	140.96	327.34	220.00
Scarborough	108.81	390.02	217.98
Oxford	128.87	334.27	214.05
Chorley	103.40	370.61	207.13
Warrington UA	127.00	313.63	205.17
Blackburn with Darwen UA	114.78	338.24	205.08
Nottingham UA	140.63	286.97	204.33
Tameside	128.47	304.08	202.66
Hyndburn	82.40	376.06	190.86
Tower Hamlets	120.98	280.94	188.82
Waveney	90.42	346.77	188.57
Stevenage	80.35	366.68	186.10
Chiltern	79.02	360.64	183.03
Wirral	118.57	257.89	178.44
North Shropshire	57.74	415.08	177.87
Epping Forest	88.20	316.15	176.69
St. Edmundsbury	80.24	333.13	175.49
High Peak	75.20	343.20	174.18
Medway UA	108.60	257.06	171.32
Reading UA	94.46	278.37	168.78
Fylde	61.81	366.56	168.42
Ellesmere Port and Neston	67.45	345.72	167.79
Southend-On-Sea UA	91.13	279.66	166.68
Wellingborough	58.83	348.89	160.30
Bury	88.12	259.68	157.45
Weymouth and Portland	50.75	364.84	156.34
Wigan	100.22	228.61	154.86
Thanet	68.75	285.42	150.35
Restormel	60.43	309.71	150.31
Watford	60.08	307.94	149.46
South Cambridgeshire	70.50	270.38	147.03
Rossendale	47.68	342.80	146.90
Leicester UA	94.01	218.31	146.72
Leeds	111.39	189.66	146.71
West Lancashire	62.82	286.69	145.50
Bolton	88.50	223.75	144.88
Coventry	92.38	214.53	144.18
Wakefield	92.16	214.03	143.85
Three Rivers	51.91	307.85	141.44

Head injuries :

SMR for each local authority (underlying cause) - sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SMR
Knowsley	69.14	247.83	138.51
Kettering	50.76	301.04	138.32
North Norfolk	49.65	294.47	135.30
Brighton and Hove UA	82.34	208.18	134.80
Pendle	48.78	289.26	132.90
Macclesfield	63.21	242.41	131.82
South Gloucestershire UA	76.45	210.13	131.24
Hillingdon	77.00	205.33	129.92
Burnley	47.66	282.65	129.86
Canterbury	59.04	245.11	129.12
Liverpool	88.26	182.19	129.05
East Northamptonshire	41.58	298.90	128.08
Swale	54.92	250.65	127.21
Elmbridge	54.00	246.44	125.07
Stockton-On-Tees UA	64.40	217.68	124.62
Babergh	40.35	290.07	124.30
Arun	53.15	242.57	123.11
Maidstone	56.19	233.29	122.89
Hertsmere	45.06	267.24	122.78
Cambridge	56.07	232.79	122.63
Erewash	49.01	251.20	121.92
Wyre	44.40	263.29	120.97
Gosport	38.98	280.22	120.08
Harrow	65.45	200.86	119.71
Salisbury	47.94	245.74	119.26
Derby UA	66.73	196.66	119.23
Colchester	55.98	214.69	116.74
Hounslow	65.32	192.49	116.71
Rushmoor	41.75	247.63	113.77
Tendring	45.68	234.15	113.64
Barnsley	60.40	193.99	113.44
South Norfolk	41.47	245.96	113.01
Chester	45.14	231.38	112.30
South Ribble	40.89	242.50	111.42
Blackpool UA	47.58	217.13	110.20
Stockport	61.95	176.01	108.39
Telford and Wrekin UA	48.87	202.91	106.89
Chelmsford	48.68	202.12	106.47
Reigate and Banstead	42.66	218.63	106.11
Worthing	33.59	241.50	103.49
South Bedfordshire	37.23	220.80	101.45
Chichester	32.84	236.13	101.19
Cannock Chase	32.63	234.62	100.54
Poole UA	40.38	206.95	100.44
Calderdale	48.03	184.19	100.16
Sefton	54.72	167.94	100.09
Barnet	58.75	156.66	99.13
Richmond upon Thames	47.04	180.43	98.11
Welwyn Hatfield	31.84	228.87	98.07
Dover	31.80	228.59	97.95
Windsor and Maidenhead UA	38.98	199.77	96.95
Luton UA	46.48	178.26	96.93
Chesterfield	31.45	226.07	96.87
Dacorum	38.79	198.81	96.49
Bradford	61.74	143.38	96.36

Head injuries :

SMR for each local authority (underlying cause) - sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SMR
Worcester	31.25	224.67	96.28
Merton	47.90	171.71	95.96
Bromley	53.52	157.72	95.63
Tunbridge Wells	30.52	219.41	94.02
East Staffordshire	30.40	218.52	93.64
Mid Sussex	34.20	202.83	93.19
Kingston upon Hull, City of UA	49.28	158.26	92.55
Stoke-On-Trent UA	47.68	161.16	92.26
North Wiltshire	33.43	198.26	91.09
Aylesbury Vale	39.31	179.38	91.04
Stratford-On-Avon	29.23	210.16	90.06
Waltham Forest	46.38	156.78	89.75
Bedford	35.94	184.20	89.40
Sheffield	57.42	130.98	88.73
Broadland	27.90	200.58	85.95
Slough UA	31.16	184.81	84.91
Guildford	30.78	182.57	83.88
North Tyneside	35.05	159.94	81.17
South Somerset	29.71	176.20	80.96
Ealing	45.11	132.94	80.60
Brent	42.58	136.75	79.97
Basildon	32.02	164.12	79.65
Gateshead	34.14	155.81	79.08
Halton UA	25.58	183.92	78.81
Newcastle upon Tyne	40.47	136.80	78.31
Bexley	35.78	148.54	78.25
Haringey	38.92	139.52	77.97
Kensington and Chelsea	33.63	153.49	77.90
Lambeth	41.82	128.35	76.50
St. Helens	30.66	157.13	76.26
Milton Keynes UA	34.39	142.80	75.23
Redbridge	35.77	137.20	74.60
Birmingham	51.61	99.24	72.59
Southampton UA	32.10	133.26	70.20
Solihull	28.20	144.53	70.14
Sutton	28.17	144.39	70.08
Cherwell	22.42	161.21	69.08
Plymouth UA	31.23	129.64	68.29
Middlesborough UA	21.42	153.98	65.98
Sunderland	31.38	120.36	65.45
Westminster	29.82	123.79	65.21
North East Lincolnshire UA	20.27	145.71	62.44
Trafford	25.02	128.26	62.25
Swindon UA	21.98	130.35	59.89
Herefordshire, County of UA	19.23	138.25	59.24
East Riding of Yorkshire UA	26.70	110.84	58.39
Lewisham	26.62	110.53	58.23
Enfield	26.59	110.39	58.15
Wycombe	18.67	134.21	57.51
Southwark	25.79	107.07	56.40
Newham	24.05	109.78	55.71
Wolverhampton	22.01	112.79	54.74
Kirklees	26.71	95.74	53.51
Havering	18.98	112.55	51.71
Greenwich	17.46	103.54	47.57

Head injuries :**SMR for each local authority (underlying cause) - sorted from highest to lowest, both sexes**

Local authority	95% Confidence interval		SMR
Croydon	21.71	90.13	47.48
Rotherham	16.96	100.57	46.21
Walsall	16.87	100.07	45.98
Dudley	10.27	73.86	31.65
Wandsworth	11.47	68.04	31.26

Head injuries :
SMR for each local authority (mentions)
sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SMR
Corby	190.09	305.97	242.96
Burnley	142.79	216.24	176.70
Rossendale	133.49	219.61	172.62
Camden	147.71	196.29	170.72
Manchester	150.93	183.31	166.53
Norwich	122.66	177.46	148.19
Islington	124.00	172.70	146.86
Rochdale	120.09	163.63	140.61
Knowsley	115.61	167.28	139.68
Blackburn with Darwen UA	114.18	167.74	139.05
Nottingham UA	121.64	158.20	139.03
Preston	113.90	167.64	138.85
South Bedfordshire	109.95	168.91	137.10
Great Yarmouth	108.68	170.11	136.86
Lambeth	117.85	156.39	136.11
Hyndburn	102.72	170.34	133.39
Pendle	103.51	167.78	132.79
Stratford-On-Avon	104.29	158.67	129.37
Weymouth and Portland	96.69	167.95	128.72
Aylesbury Vale	106.51	153.85	128.57
Chorley	100.55	160.26	127.85
Liverpool	114.20	141.62	127.36
Bradford	114.26	141.26	127.22
Northampton	107.00	149.20	126.80
Westminster	105.87	146.46	124.95
Hackney	103.33	146.26	123.42
Newcastle upon Tyne	106.25	140.30	122.40
Cannock Chase	93.40	155.52	121.55
Leicester UA	105.31	139.15	121.35
Coventry	105.84	138.24	121.24
East Northamptonshire	91.31	157.79	121.22
Hammersmith and Fulham	100.00	145.39	121.12
Reading UA	98.81	146.81	121.05
Halton UA	95.90	150.10	120.76
Hertsmere	94.02	152.38	120.61
High Peak	92.21	152.91	119.74
Lancaster	97.11	144.02	118.86
Wakefield	103.04	134.82	118.14
Kettering	89.68	152.69	118.11
Bedford	95.98	142.90	117.71
Bolton	100.66	135.45	117.10
Scarborough	93.19	144.28	116.68
Thanet	94.96	141.37	116.46
Telford and Wrekin UA	94.72	141.31	116.29
North Tyneside	97.14	136.60	115.62
Blackpool UA	94.79	139.26	115.44
Stoke-On-Trent UA	98.60	133.97	115.28
Wirral	100.72	131.00	115.12
Luton UA	94.63	137.36	114.53
North Shropshire	82.08	155.19	114.39
Wycombe	93.37	137.68	113.93
Restormel	88.81	143.94	113.93
Warrington UA	94.81	135.51	113.81
Tameside	95.77	133.70	113.56
Kensington and Chelsea	91.87	135.72	112.22

Head injuries :
SMR for each local authority (mentions)
sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SMR
Salford	94.73	131.34	111.93
St. Helens	92.19	133.81	111.56
Wellingborough	81.63	147.75	111.10
Stevenage	82.08	146.70	110.96
Birmingham	102.52	119.79	110.91
Chiltern	84.78	142.38	110.84
Plymouth UA	94.32	128.63	110.49
Walsall	94.07	128.29	110.19
South Cambridgeshire	87.63	135.66	109.71
Barnsley	92.19	128.70	109.32
Wolverhampton	92.95	127.52	109.22
Haringey	90.42	128.50	108.22
Leeds	98.57	118.32	108.11
Macclesfield	88.01	130.78	107.83
Sefton	93.21	124.06	107.81
Oldham	89.70	126.47	106.91
Derby UA	90.36	125.29	106.77
St. Edmundsbury	82.15	136.22	106.67
Southampton UA	89.42	124.98	106.09
Middlesborough UA	84.90	130.76	106.01
Bath and North East Somerset UA	86.95	126.42	105.32
North East Lincolnshire UA	85.32	127.54	104.86
Cambridge	81.92	130.98	104.33
Wigan	89.49	120.22	104.01
Bristol, City of UA	91.51	117.67	103.97
North Somerset UA	86.71	123.41	103.86
Stockton-On-Tees UA	85.10	125.25	103.74
Tunbridge Wells	80.32	131.63	103.65
Kirklees	89.95	116.58	102.62
Calderdale	84.78	122.46	102.34
Lewisham	86.29	120.47	102.32
Tower Hamlets	83.54	123.18	101.94
Brent	86.15	119.45	101.79
Watford	74.68	135.18	101.65
Brighton and Hove UA	86.66	118.18	101.51
Chester	79.03	125.95	100.48
Solihull	83.29	119.95	100.38
Hounslow	83.11	119.68	100.16
North Norfolk	78.13	126.20	100.05
Maidstone	79.33	123.13	99.45
Rushmoor	73.77	131.04	99.40
Dover	76.92	126.05	99.26
Bury	81.24	120.01	99.23
South Somerset	79.71	119.92	98.30
Waveney	76.97	123.07	98.03
Medway UA	82.17	115.85	97.94
Kingston upon Hull, City of UA	82.65	114.84	97.76
Three Rivers	72.52	128.83	97.72
South Ribble	74.45	125.59	97.57
Arun	79.65	118.12	97.49
Trafford	80.96	115.72	97.19
Milton Keynes UA	79.07	116.38	96.40
Tendring	77.95	117.02	96.02
Chelmsford	76.65	117.46	95.45
Swale	73.56	120.10	94.73

Head injuries :
SMR for each local authority (mentions)
sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SMR
East Staffordshire	71.68	122.04	94.40
Sunderland	80.28	110.25	94.38
Barnet	79.72	107.46	92.82
Stockport	78.62	107.75	92.33
Wyre	70.88	117.07	91.85
Gateshead	75.30	110.83	91.79
Canterbury	72.78	112.98	91.25
North Wiltshire	70.57	115.65	91.06
Fylde	66.84	120.98	90.97
Newham	75.10	109.19	90.97
Erewash	69.40	117.08	90.96
Worthing	70.46	115.46	90.92
Sheffield	80.35	101.37	90.40
South Gloucestershire UA	75.26	107.41	90.28
East Riding of Yorkshire UA	77.22	104.18	89.95
Hillingdon	75.11	106.75	89.90
Southwark	74.69	107.08	89.81
Herefordshire, County of UA	72.56	108.69	89.28
Ellesmere Port and Neston	64.52	120.10	89.16
Poole UA	70.91	110.37	89.03
Dacorum	69.58	111.99	88.93
Reigate and Banstead	68.92	112.11	88.58
Chichester	68.03	111.92	87.97
Oxford	69.15	110.21	87.92
Cherwell	67.72	111.40	87.56
Richmond upon Thames	69.70	106.04	86.46
Wandsworth	71.15	100.58	84.92
Ealing	71.27	99.38	84.46
Harrow	69.19	102.03	84.43
Guildford	65.30	107.01	84.26
West Lancashire	62.68	108.87	83.44
Waltham Forest	68.30	100.89	83.42
South Norfolk	63.39	107.42	83.27
Bexley	68.28	100.32	83.16
Babergh	59.35	110.47	82.01
Enfield	68.42	96.84	81.71
Windsor and Maidenhead UA	63.15	103.89	81.65
Rotherham	67.33	97.11	81.21
Epping Forest	61.49	103.72	80.58
Welwyn Hatfield	58.85	105.84	79.83
Southend-On-Sea UA	63.62	98.23	79.54
Slough UA	59.28	104.09	79.37
Croydon	67.12	92.85	79.21
Dudley	66.32	92.48	78.59
Colchester	61.64	98.56	78.51
Worcester	56.74	105.61	78.41
Mid Sussex	59.95	100.25	78.20
Chesterfield	57.10	102.69	77.45
Basildon	60.73	97.10	77.35
Elmbridge	58.85	99.73	77.31
Gosport	53.88	106.51	76.93
Merton	59.60	92.77	74.83
Havering	60.03	89.37	73.62
Salisbury	53.54	94.02	71.69
Bromley	57.26	81.73	68.69

Head injuries :
SMR for each local authority (mentions)
sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SMR
Sutton	53.74	85.93	68.45
Redbridge	53.97	81.56	66.71
Broadland	48.01	85.80	64.90
Swindon UA	49.75	81.84	64.33
Greenwich	48.85	77.13	61.80