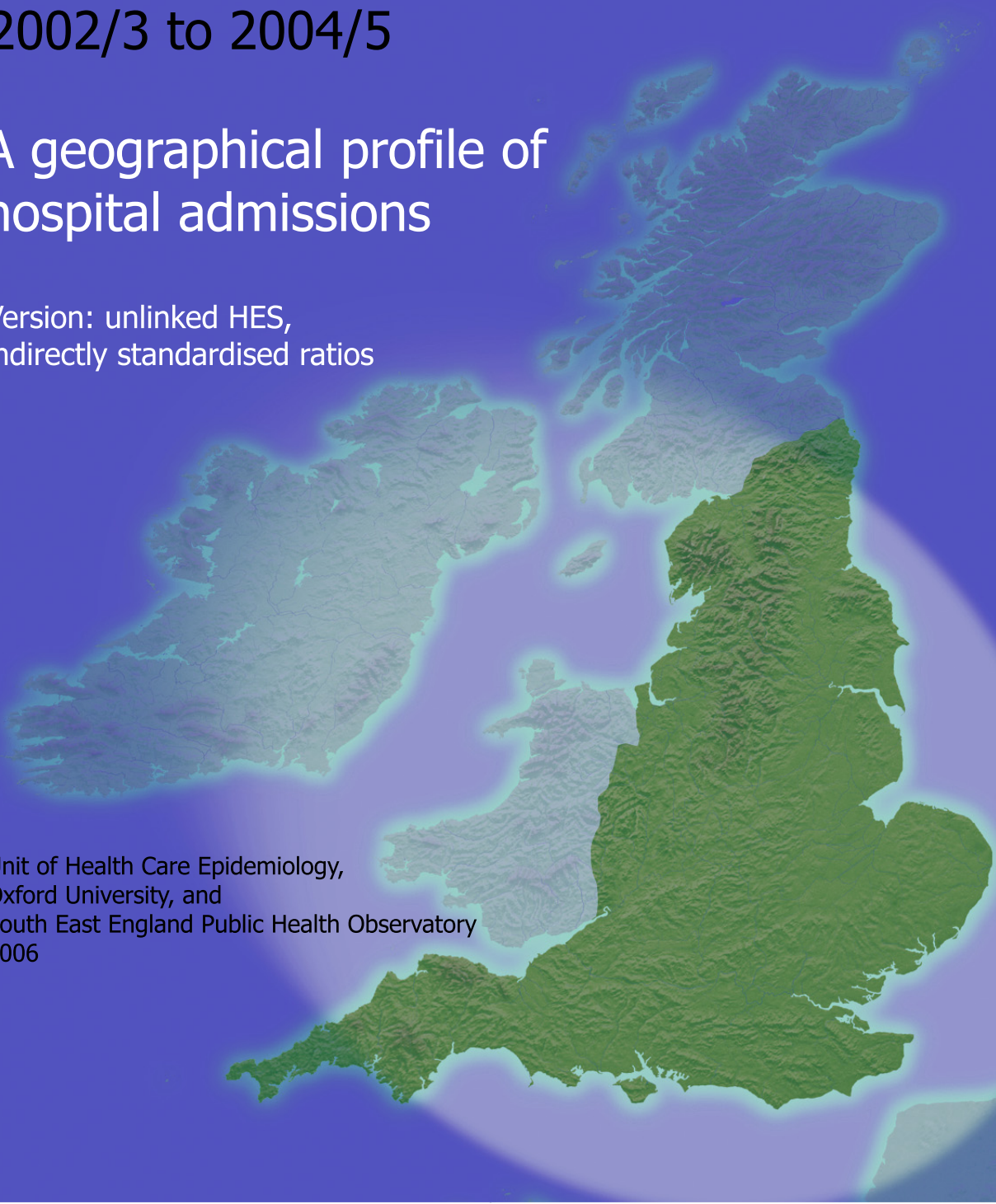


Head Injuries in England 2002/3 to 2004/5

A geographical profile of hospital admissions

Version: unlinked HES,
indirectly standardised ratios

Unit of Health Care Epidemiology,
Oxford University, and
South East England Public Health Observatory
2006



Head Injuries in England 2002/3 to 2004/5. Atlas of episode-based hospital admission ratios.

**Authors: Michael Goldacre, David Yeates, Leicester Gill,
Henry McGuinness, Daniel Meddings**

**Published by: Unit of Health-Care Epidemiology, Oxford University,
and South East England Public Health Observatory, 2006**

This document provides a geographical profile of hospital admissions for head injuries in England. Each person admitted to hospital has been counted for each admission – anyone admitted more than once is counted for as many admissions as they have had. The geographical areas covered are the standard local authority areas of England. The period covered is April 1 2002 to March 31 2005. The data are from Hospital Episode Statistics (HES). HES includes data on all NHS hospital admissions (including admissions for day case care). This analysis includes HES data about males and females of all ages.

The map shows the episode-based, age-standardised admission ratios for each resident population for each local authority area, relative to England ($=100$), for the three years. The counts are finished consultant episodes (FCEs) selecting the first FCE in a sequence of more than one in a hospital admission (selecting 'Epiorder' = 1). The age-standardised ratio is calculated using the indirect method of standardisation and the national age-specific rates (in the five-year age groups) as the standard population. The data in the map are shown as quintiles of local authorities, with the one-fifth of local authorities with the lowest ratios shown in the lightest colour and the one-fifth of local authorities with the highest ratios shown in the darkest colour. Data are given separately for males, for females, and for both combined.

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

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

The first table shows the individual values of admission ratios for each local authority, with the local authorities ranked in alphabetical order. For each local authority, the information in the table provides data about admissions showing the observed number of admissions (Obs.); the expected number (Exp.), obtained by applying national age-sex-specific rates to the age-sex distribution of the local authority population; the age-standardised ratio, calculated by indirect standardisation using national rates as the standard population and its 95% lower and upper confidence limits.

The second table shows the local authority areas ranked according to the standardised admission ratio (ranked from lowest to highest rate).

Some technical notes:

- Dataset used: UHCE-built file for England, 2002-2005, FCE file (epiorder=1), analysis template 4
- Diagnosis codes used: S00-S09
- Diagnosis position: main
- Operation codes used: -
- Operation position: -
- Period covered: admissions from 1.4.2002 to 31.3.2005
- Source of admission: all
- Exclusion of successive admissions: -
- Specialty restriction: -
- Age/sex restriction: all ages, both sexes
- 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

We are very grateful for technical and clerical support from Susan Flynn, for statistical advice from Valerie Seagroatt and for computing support from Glenys Bettley. David Yeates, Leicester Gill, Glenys Bettley, Susan Flynn and Valerie Seagroatt are funded by the NHS National Centre for Research Capacity Development. Henry McGuinness and Daniel Meddings are funded by the South East England Public Health Observatory. Ethical approval: REC references 04/Q2006/175 and 04/Q2006/176.

Copyright © UHCE Oxford University

The maps are based on data provided through EDINA UKBORDERS with the support of the ESRC and JISC and use boundary material which is copyright of the Crown. Source: 2001 Census Output Area Boundaries. Crown copyright 2003. Crown copyright material is reproduced with the permission of the Controller of HMSO.

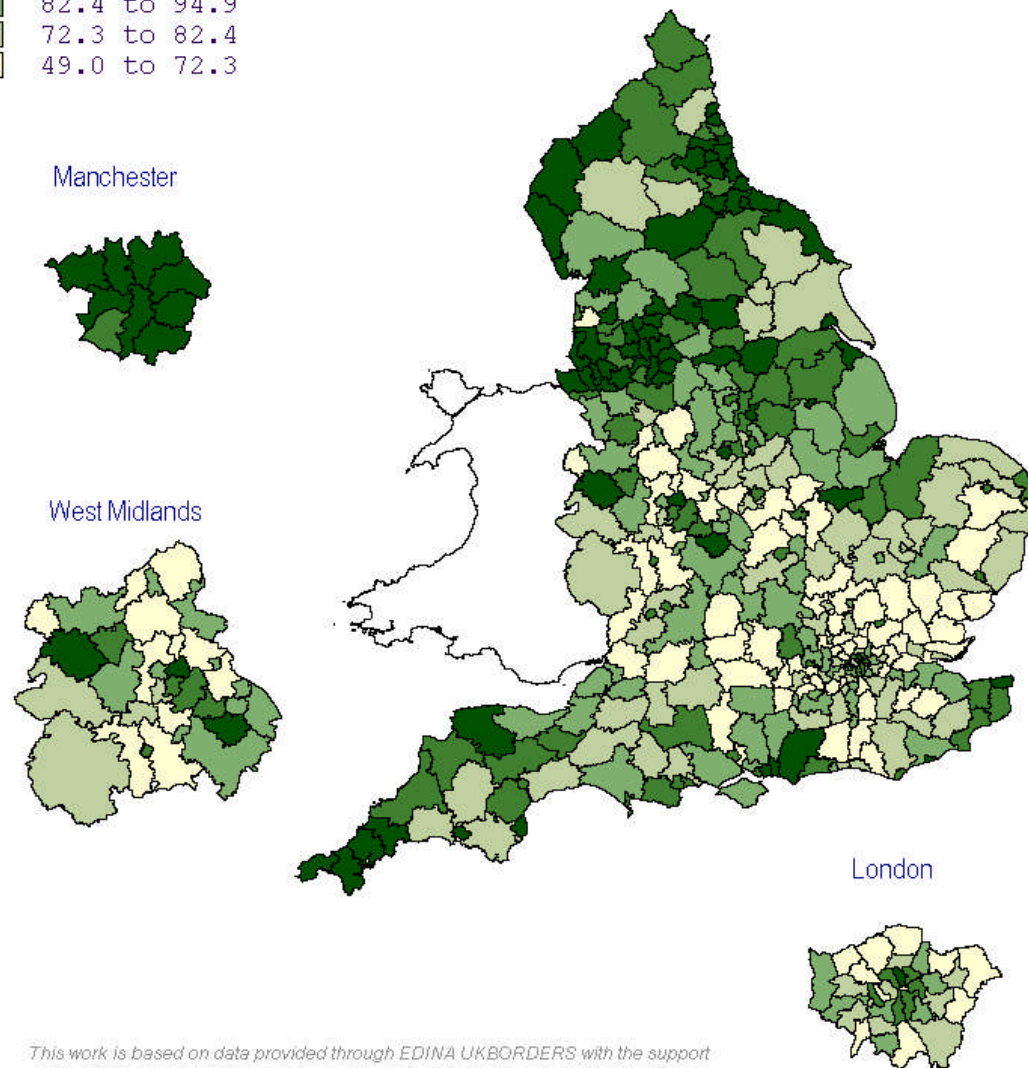
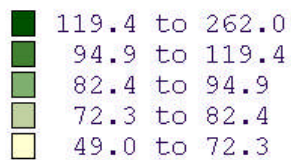
Head Injuries: FCE1s: males

Standardised Admission Ratio: each local authority in England

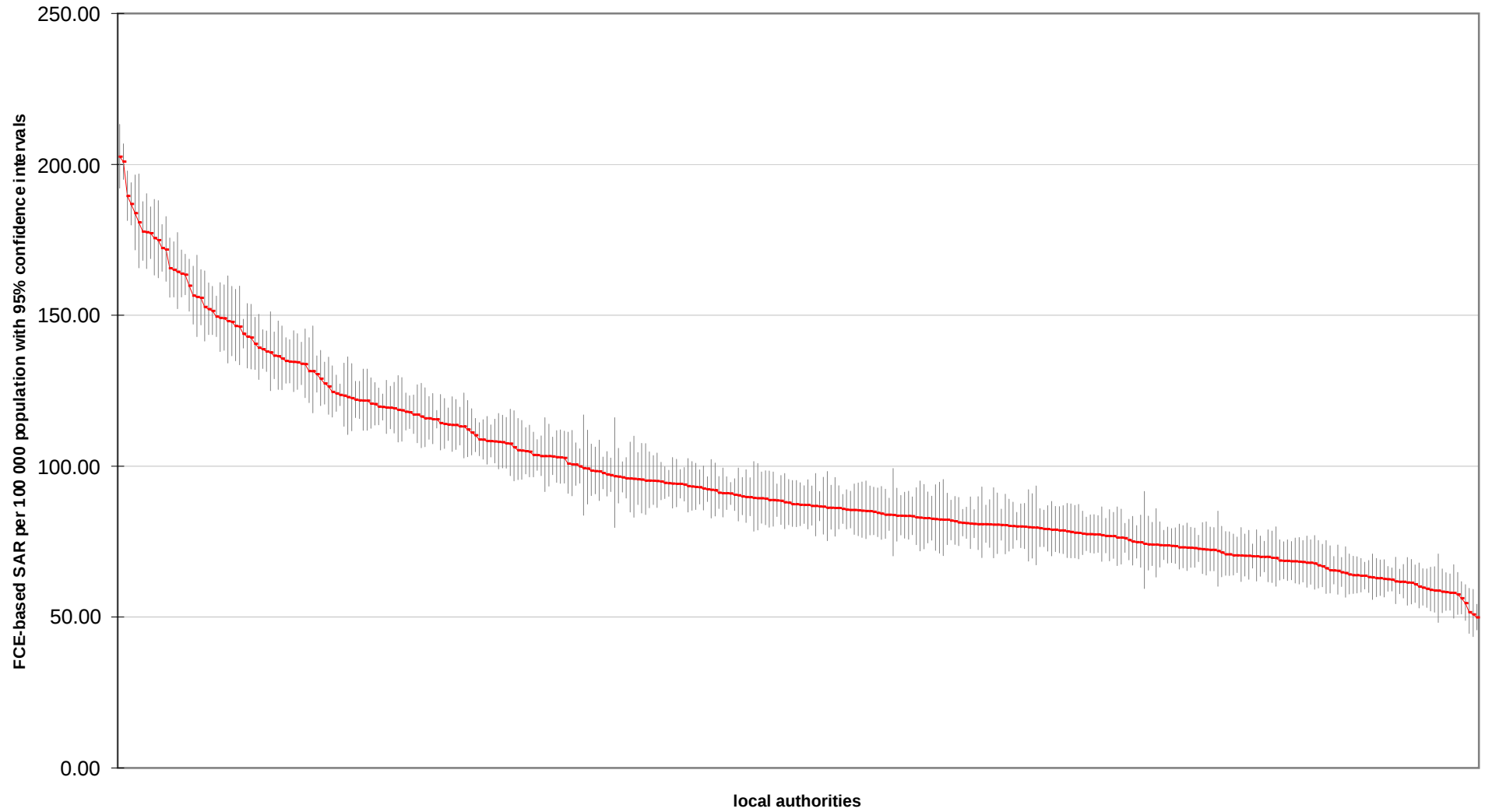
Principal diagnosis: 2002/03 to 2004/05

S00.0-S09.9

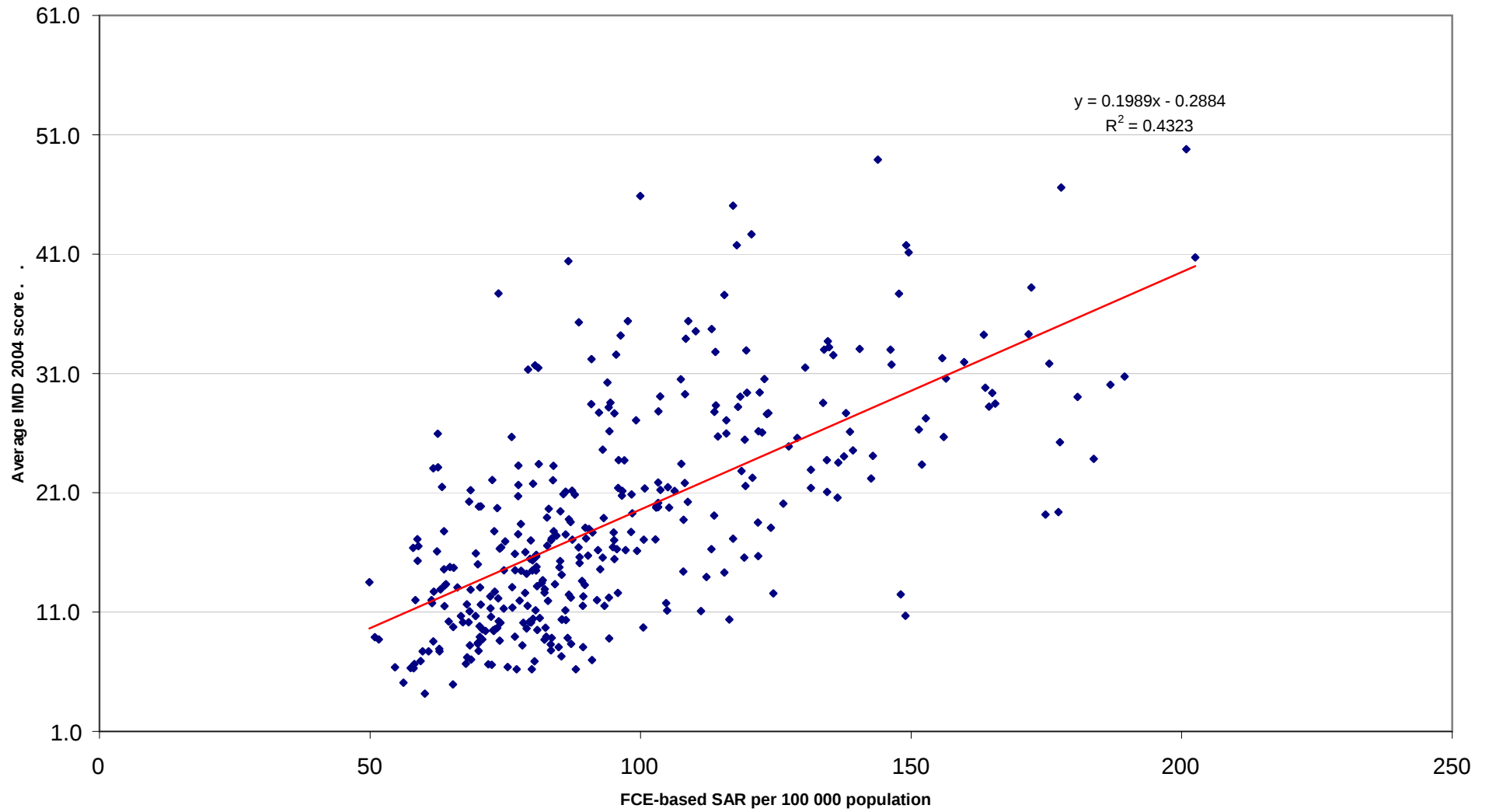
Quintile range of SAR



Head Injuries : FCE-based SAR per 100 000 population for each local authority, Males



Head Injuries : average IMD score plotted against the FCE-based SAR for each local authority, Males



HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
45UB	Adur	17.0	Q19	J	221	277.31	79.70	69.53	90.92
16UB	Allerdale	22.9	Q13	B	581	441.90	131.48	121.00	142.62
35UB	Alnwick	16.1	Q09	A	143	143.96	99.33	83.72	117.01
17UB	Amber Valley	18.9	Q24	E	519	556.84	93.20	85.36	101.58
45UC	Arun	15.6	Q19	J	782	656.29	119.16	110.95	127.81
37UB	Ashfield	27.8	Q24	E	613	539.45	113.63	104.82	123.00
29UB	Ashford	13.4	Q18	J	418	511.40	81.74	74.09	89.96
11UB	Aylesbury Vale	8.3	Q16	J	689	826.29	83.39	77.27	89.85
42UB	Babergh	11.3	Q01	G	295	394.76	74.73	66.44	83.76
00AB	Barking and Dagenham	31.3	Q06	H	667	842.22	79.20	73.30	85.44
00AC	Barnet	16.1	Q05	H	1024	1641.99	62.36	58.60	66.30
00CC	Barnsley	33.0	Q23	D	1411	1053.79	133.90	127.00	141.07
16UC	Barrow-In-Furness	33.0	Q13	B	494	337.94	146.18	133.57	159.66
22UB	Basildon	20.7	Q03	G	631	815.58	77.37	71.45	83.65
24UB	Basingstoke and Deane	8.8	Q17	J	634	758.72	83.56	77.18	90.33
37UC	Bassetlaw	25.7	Q24	E	602	526.78	114.28	105.33	123.78
00HA	Bath and North East Somerset UA	12.2	Q20	K	747	857.63	87.10	80.97	93.58
09UD	Bedford	17.5	Q02	G	579	748.31	77.37	71.20	83.94
35UC	Berwick-upon-Tweed	21.2	Q09	A	114	117.99	96.62	79.69	116.07
00AD	Bexley	15.0	Q07	H	744	1064.04	69.92	64.99	75.13
00CN	Birmingham	37.6	Q27	F	6026	5217.89	115.49	112.59	118.44
31UB	Blaby	8.7	Q25	E	366	445.11	82.23	74.02	91.10
00EX	Blackburn with Darwen UA	32.3	Q13	B	1129	724.90	155.75	146.79	165.10
00EY	Blackpool UA	33.9	Q13	B	732	675.51	108.36	100.65	116.51
35UD	Blyth Valley	26.1	Q09	A	477	389.44	122.48	111.74	133.99
17UC	Bolsover	30.5	Q24	E	376	349.94	107.45	96.86	118.88
00BL	Bolton	29.4	Q14	B	1595	1307.12	122.02	116.11	128.16
32UB	Boston	21.9	Q24	E	281	272.09	103.27	91.55	116.08
00HN	Bournemouth UA	23.7	Q22	K	790	823.21	95.97	89.39	102.90
00MA	Bracknell Forest UA	8.6	Q16	J	417	563.71	73.97	67.04	81.43
00CX	Bradford	32.9	Q12	D	2925	2447.29	119.52	115.23	123.93
22UC	Braintree	13.2	Q03	G	420	658.41	63.79	57.83	70.19

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
33UB	Breckland	14.5	Q01	G	477	596.42	79.98	72.96	87.49
00AE	Brent	26.0	Q04	H	895	1431.35	62.53	58.50	66.76
22UD	Brentwood	8.9	Q03	G	168	330.06	50.90	43.49	59.21
39UB	Bridgnorth	12.3	Q26	F	237	265.01	89.43	78.41	101.57
00ML	Brighton and Hove UA	25.7	Q19	J	969	1272.35	76.16	71.44	81.11
00HB	Bristol, City of UA	27.7	Q20	K	1909	2067.82	92.32	88.22	96.56
33UC	Broadland	9.6	Q01	G	437	553.78	78.91	71.69	86.67
00AF	Bromley	13.2	Q07	H	1154	1427.42	80.85	76.25	85.65
47UB	Bromsgrove	10.1	Q28	F	285	424.42	67.15	59.58	75.42
26UB	Broxbourne	14.7	Q02	G	276	421.66	65.46	57.96	73.65
37UD	Broxtowe	16.0	Q24	E	414	526.16	78.68	71.29	86.64
30UD	Burnley	31.8	Q13	B	769	438.13	175.52	163.33	188.38
00BM	Bury	23.5	Q14	B	1209	885.47	136.54	128.95	144.46
00CY	Calderdale	25.4	Q12	D	1114	934.07	119.26	112.36	126.48
12UB	Cambridge	14.6	Q01	G	624	674.36	92.53	85.41	100.09
00AG	Camden	34.7	Q05	H	1271	1123.40	113.14	107.00	119.53
41UB	Cannock Chase	20.3	Q26	F	309	452.33	68.31	60.91	76.37
29UC	Canterbury	16.2	Q18	J	679	698.36	97.23	90.05	104.82
15UB	Caradon	18.4	Q21	K	294	377.45	77.89	69.24	87.32
16UD	Carlisle	22.2	Q13	B	692	485.25	142.61	132.18	153.64
15UC	Carrick	19.2	Q21	K	734	419.80	174.85	162.42	187.97
35UE	Castle Morpeth	15.8	Q09	A	189	234.06	80.75	69.64	93.12
22UE	Castle Point	12.7	Q03	G	253	409.53	61.78	54.40	69.88
31UC	Charnwood	12.1	Q25	E	598	811.44	73.70	67.91	79.85
22UF	Chelmsford	8.6	Q03	G	478	775.04	61.67	56.27	67.46
23UB	Cheltenham	14.4	Q20	K	596	552.38	107.90	99.41	116.92
38UB	Cherwell	11.2	Q16	J	565	656.02	86.13	79.17	93.53
13UB	Chester	17.0	Q15	B	473	566.53	83.49	76.13	91.37
17UD	Chesterfield	27.1	Q24	E	550	474.67	115.87	106.39	125.97
20UB	Chester-Le-Street	21.4	Q10	A	329	250.26	131.46	117.64	146.47
45UD	Chichester	10.7	Q19	J	736	494.15	148.94	138.38	160.10
11UC	Chiltern	6.2	Q16	J	364	413.42	88.05	79.23	97.57

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
30UE	Chorley	17.2	Q13	B	580	495.40	117.08	107.74	127.01
19UC	Christchurch	12.6	Q22	K	169	205.44	82.26	70.33	95.64
22UG	Colchester	14.6	Q03	G	515	809.06	63.65	58.27	69.40
13UC	Congleton	9.5	Q15	B	349	431.33	80.91	72.64	89.86
16UE	Copeland	25.7	Q13	B	525	336.50	156.02	142.96	169.95
34UB	Corby	27.1	Q25	E	260	262.23	99.15	87.46	111.97
23UC	Cotswold	8.8	Q20	K	331	382.55	86.52	77.45	96.37
00CQ	Coventry	28.2	Q28	F	1531	1626.80	94.11	89.46	98.95
36UB	Craven	11.9	Q11	D	204	246.05	82.91	71.92	95.10
45UE	Crawley	14.8	Q19	J	430	505.81	85.01	77.17	93.44
13UD	Crewe and Nantwich	17.1	Q15	B	555	540.22	102.74	94.37	111.65
00AH	Croydon	19.9	Q08	H	1196	1705.84	70.11	66.19	74.20
26UC	Dacorum	9.5	Q02	G	490	673.13	72.79	66.49	79.54
00EH	Darlington UA	24.6	Q10	A	651	467.55	139.24	128.74	150.35
29UD	Dartford	17.2	Q18	J	358	428.26	83.59	75.16	92.72
34UC	Daventry	10.2	Q25	E	236	365.69	64.54	56.56	73.32
00FK	Derby UA	27.7	Q24	E	1649	1195.20	137.97	131.39	144.79
17UF	Derbyshire Dales	12.5	Q24	E	278	320.51	86.74	76.84	97.56
20UD	Derwentside	28.2	Q10	A	666	405.08	164.41	152.16	177.39
00CE	Doncaster	31.5	Q23	D	1835	1407.08	130.41	124.51	136.52
29UE	Dover	18.7	Q18	J	539	499.23	107.97	99.04	117.48
00CR	Dudley	22.1	Q27	F	1069	1472.22	72.61	68.32	77.10
20UE	Durham	18.5	Q10	A	564	463.41	121.71	111.87	132.18
00AJ	Ealing	23.4	Q04	H	1323	1629.97	81.17	76.85	85.66
20UF	Easington	41.8	Q10	A	665	446.05	149.09	137.97	160.86
12UC	East Cambridgeshire	10.6	Q01	G	266	367.60	72.36	63.93	81.60
18UB	East Devon	12.7	Q21	K	426	583.11	73.06	66.28	80.34
19UD	East Dorset	8.2	Q22	K	300	383.77	78.17	69.57	87.54
24UC	East Hampshire	8.1	Q17	J	456	537.28	84.87	77.26	93.03
26UD	East Hertfordshire	6.3	Q02	G	366	630.15	58.08	52.28	64.35
32UC	East Lindsey	24.6	Q24	E	576	619.20	93.02	85.58	100.94
34UD	East Northamptonshire	11.8	Q25	E	238	387.35	61.44	53.88	69.77

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
00FB	East Riding of Yorkshire UA	15.3	Q11	D	1199	1498.07	80.04	75.57	84.70
41UC	East Staffordshire	18.5	Q26	F	445	511.08	87.07	79.17	95.55
21UC	Eastbourne	21.5	Q19	J	455	433.06	105.07	95.63	115.18
24UD	Eastleigh	8.9	Q17	J	399	567.66	70.29	63.56	77.54
16UF	Eden	15.7	Q13	B	191	237.00	80.59	69.56	92.86
13UE	Ellesmere Port and Neston	19.8	Q15	B	399	386.36	103.27	93.39	113.92
43UB	Elmbridge	7.0	Q19	J	416	605.82	68.67	62.23	75.59
00AK	Enfield	23.1	Q05	H	878	1423.26	61.69	57.68	65.91
22UH	Epping Forest	13.3	Q03	G	368	574.70	64.03	57.66	70.92
43UC	Epsom and Ewell	6.9	Q19	J	261	324.62	80.40	70.94	90.77
17UG	Erewash	19.3	Q24	E	521	528.99	98.49	90.21	107.32
18UC	Exeter	21.6	Q21	K	714	598.06	119.39	110.79	128.47
24UE	Fareham	7.8	Q17	J	434	520.05	83.45	75.79	91.69
12UD	Fenland	19.8	Q01	G	423	401.71	105.30	95.50	115.83
42UC	Forest Heath	11.1	Q01	G	254	315.23	80.58	70.97	91.12
23UD	Forest of Dean	15.9	Q20	K	262	376.60	69.57	61.40	78.53
30UF	Fylde	13.1	Q13	B	245	348.37	70.33	61.80	79.71
00CH	Gateshead	33.2	Q09	A	1238	918.03	134.85	127.45	142.58
37UE	Gedling	16.4	Q24	E	465	525.19	88.54	80.67	96.96
23UE	Gloucester	19.9	Q20	K	566	549.96	102.92	94.61	111.76
24UF	Gosport	16.3	Q17	J	434	383.72	113.10	102.71	124.26
29UG	Gravesham	18.1	Q18	J	416	463.44	89.76	81.34	98.82
33UD	Great Yarmouth	27.7	Q01	G	413	433.94	95.18	86.22	104.81
00AL	Greenwich	31.5	Q07	H	945	1164.98	81.12	76.03	86.46
43UD	Guildford	8.3	Q19	J	582	667.72	87.16	80.22	94.54
00AM	Hackney	45.1	Q06	H	1300	1110.26	117.09	110.81	123.63
00ET	Halton UA	34.3	Q15	B	994	578.85	171.72	161.21	182.73
36UC	Hambleton	10.4	Q11	D	468	402.06	116.40	106.09	127.44
00AN	Hammersmith and Fulham	27.8	Q04	H	956	925.25	103.32	96.88	110.09
31UD	Harborough	7.2	Q25	E	256	376.63	67.97	59.90	76.83
00AP	Haringey	37.7	Q05	H	893	1210.69	73.76	69.00	78.76
22UJ	Harlow	21.4	Q03	G	389	385.98	100.78	91.01	111.31

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
36UD	Harrogate	11.1	Q11	D	820	737.61	111.17	103.69	119.05
00AQ	Harrow	13.5	Q04	H	540	1082.66	49.88	45.76	54.27
24UG	Hart	4.2	Q17	J	258	429.12	60.12	53.01	67.92
00EB	Hartlepool UA	37.7	Q10	A	647	437.89	147.75	136.59	159.59
21UD	Hastings	31.7	Q19	J	598	408.50	146.39	134.89	158.61
24UH	Havant	20.1	Q17	J	692	547.53	126.39	117.14	136.17
00AR	Havering	14.8	Q06	H	697	1075.81	64.79	60.07	69.78
00GA	Herefordshire, County of UA	15.7	Q28	F	668	827.35	80.74	74.73	87.10
26UE	Hertsmere	12.0	Q02	G	276	449.65	61.38	54.35	69.07
17UH	High Peak	15.1	Q24	E	384	432.77	88.73	80.08	98.07
00AS	Hillingdon	17.7	Q04	H	1151	1262.90	91.14	85.95	96.56
31UE	Hinckley and Bosworth	11.1	Q25	E	330	482.25	68.43	61.24	76.23
45UF	Horsham	6.7	Q19	J	340	584.32	58.19	52.17	64.71
00AT	Hounslow	23.3	Q04	H	954	1137.26	83.89	78.65	89.38
12UE	Huntingdonshire	10.2	Q01	G	621	781.82	79.43	73.30	85.93
30UG	Hyndburn	28.5	Q13	B	542	405.28	133.74	122.71	145.48
42UD	Ipswich	23.4	Q01	G	639	594.22	107.54	99.36	116.21
00MW	Isle of Wight UA	21.1	Q17	J	548	635.97	86.17	79.10	93.69
00AU	Islington	42.7	Q05	H	1136	942.62	120.52	113.61	127.73
46UB	Kennet	10.1	Q20	K	300	383.05	78.32	69.71	87.70
00AW	Kensington and Chelsea	21.5	Q04	H	563	889.64	63.28	58.16	68.73
15UD	Kerrier	25.2	Q21	K	799	450.09	177.52	165.42	190.27
34UE	Kettering	15.3	Q25	E	242	411.44	58.82	51.64	66.71
33UE	Kings Lynn and West Norfolk	19.1	Q01	G	733	645.37	113.58	105.50	122.11
00FA	Kingston upon Hull, City of UA	41.1	Q11	D	1923	1285.93	149.54	142.93	156.38
00AX	Kingston upon Thames	11.6	Q08	H	558	791.90	70.46	64.74	76.56
00CZ	Kirklees	26.2	Q12	D	1831	1942.63	94.25	89.99	98.67
00BX	Knowsley	46.6	Q15	B	1291	726.45	177.71	168.15	187.68
00AY	Lambeth	34.2	Q07	H	1424	1478.65	96.30	91.37	101.44
30UH	Lancaster	22.3	Q13	B	819	678.55	120.70	112.57	129.26
00DA	Leeds	27.7	Q12	D	4518	3655.32	123.60	120.02	127.26
00FN	Leicester UA	32.8	Q25	E	1723	1513.98	113.81	108.50	119.31

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
21UF	Lewes	12.9	Q19	J	275	436.22	63.04	55.81	70.95
00AZ	Lewisham	28.6	Q07	H	1231	1303.63	94.43	89.23	99.85
41UD	Lichfield	12.0	Q26	F	256	438.40	58.39	51.46	66.00
32UD	Lincoln	27.2	Q24	E	678	443.90	152.74	141.45	164.68
00BY	Liverpool	49.8	Q15	B	4524	2252.44	200.85	195.04	206.79
00KA	Luton UA	23.3	Q02	G	762	984.03	77.44	72.04	83.14
13UG	Macclesfield	11.1	Q15	B	729	694.91	104.91	97.43	112.81
29UH	Maidstone	11.5	Q18	J	440	689.82	63.78	57.96	70.03
22UK	Maldon	10.7	Q03	G	198	284.86	69.51	60.16	79.89
47UC	Malvern Hills	13.1	Q28	F	227	343.12	66.16	57.83	75.35
00BN	Manchester	48.9	Q14	B	3447	2396.33	143.84	139.08	148.73
37UF	Mansfield	32.5	Q24	E	645	475.60	135.62	125.35	146.50
00LC	Medway UA	18.0	Q18	J	1141	1261.04	90.48	85.31	95.89
31UG	Melton	10.1	Q25	E	181	226.94	79.76	68.56	92.26
40UB	Mendip	14.5	Q22	K	410	508.10	80.69	73.07	88.89
00BA	Merton	14.5	Q08	H	743	993.73	74.77	69.49	80.34
09UC	Mid Bedfordshire	7.7	Q02	G	374	614.93	60.82	54.81	67.31
18UD	Mid Devon	17.1	Q21	K	340	338.01	100.59	90.18	111.87
42UE	Mid Suffolk	9.8	Q01	G	297	422.70	70.26	62.50	78.72
45UG	Mid Sussex	6.4	Q19	J	332	608.09	54.60	48.88	60.80
00EC	Middlesbrough UA	40.7	Q10	A	1437	709.64	202.50	192.16	213.24
00MG	Milton Keynes UA	15.6	Q16	J	1041	1119.48	92.99	87.43	98.82
43UE	Mole Valley	6.2	Q19	J	289	374.94	77.08	68.45	86.50
24UJ	New Forest	10.4	Q17	J	676	790.43	85.52	79.20	92.22
37UG	Newark and Sherwood	19.8	Q24	E	529	514.10	102.90	94.32	112.05
00CJ	Newcastle upon Tyne	34.5	Q09	A	1533	1390.95	110.21	104.76	115.87
41UE	Newcastle-under-Lyme	19.9	Q26	F	419	594.61	70.47	63.88	77.55
00BB	Newham	40.4	Q06	H	1232	1422.03	86.64	81.87	91.61
15UE	North Cornwall	22.8	Q21	K	457	385.21	118.64	108.01	130.03
18UE	North Devon	20.6	Q21	K	567	415.62	136.42	125.42	148.13
19UE	North Dorset	11.4	Q22	K	244	319.69	76.32	67.05	86.53
17UJ	North East Derbyshire	18.9	Q24	E	377	455.85	82.70	74.56	91.49

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
00FC	North East Lincolnshire UA	29.4	Q11	D	1257	761.76	165.01	156.02	174.39
26UF	North Hertfordshire	10.1	Q02	G	389	570.21	68.22	61.61	75.35
32UE	North Kesteven	11.5	Q24	E	434	464.97	93.34	84.76	102.55
00FD	North Lincolnshire UA	21.2	Q11	D	760	733.07	103.67	96.43	111.31
33UF	North Norfolk	16.9	Q01	G	338	450.80	74.98	67.20	83.41
39UC	North Shropshire	16.6	Q26	F	237	286.45	82.74	72.54	93.97
00HC	North Somerset UA	14.1	Q20	K	770	901.23	85.44	79.51	91.69
00CK	North Tyneside	26.0	Q09	A	1044	901.22	115.84	108.92	123.09
44UB	North Warwickshire	16.4	Q28	F	170	293.25	57.97	49.58	67.37
31UH	North West Leicestershire	15.9	Q25	E	323	420.60	76.79	68.65	85.64
46UC	North Wiltshire	8.4	Q20	K	434	620.47	69.95	63.52	76.85
34UF	Northampton	20.2	Q25	E	1079	992.53	108.71	102.32	115.40
33UG	Norwich	28.3	Q01	G	741	650.44	113.92	105.87	122.43
00FY	Nottingham UA	41.8	Q24	E	1817	1542.56	117.79	112.44	123.34
44UC	Nuneaton and Bedworth	21.2	Q28	F	508	581.51	87.36	79.93	95.30
31UJ	Oadby and Wigston	9.7	Q25	E	227	275.44	82.42	72.04	93.86
00BP	Oldham	30.7	Q14	B	2065	1089.99	189.45	181.37	197.80
39UD	Oswestry	17.1	Q26	F	108	183.88	58.73	48.18	70.91
38UC	Oxford	19.7	Q16	J	605	823.18	73.50	67.75	79.59
30UJ	Pendle	27.6	Q13	B	544	441.08	123.33	113.19	134.15
15UF	Penwith	29.0	Q21	K	529	292.66	180.76	165.68	196.84
00JA	Peterborough UA	23.4	Q01	G	1221	803.33	151.99	143.59	160.76
00HG	Plymouth UA	26.2	Q21	K	1504	1234.88	121.79	115.71	128.11
00HP	Poole UA	14.3	Q22	K	749	648.49	115.50	107.37	124.08
00MR	Portsmouth UA	24.9	Q17	J	1287	1010.43	127.37	120.51	134.52
30UK	Preston	28.5	Q13	B	1107	668.68	165.55	155.94	175.60
19UG	Purbeck	12.6	Q22	K	201	209.80	95.81	83.02	110.01
00MC	Reading UA	18.8	Q16	J	687	792.01	86.74	80.38	93.48
00BC	Redbridge	17.8	Q06	H	802	1260.01	63.65	59.32	68.21
00EE	Redcar and Cleveland UA	30.6	Q10	A	1031	659.02	156.44	147.04	166.29
47UD	Redditch	19.4	Q28	F	338	396.76	85.19	76.35	94.77
43UF	Reigate and Banstead	9.0	Q19	J	504	610.54	82.55	75.50	90.08

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
15UG	Restormel	23.9	Q21	K	857	466.36	183.76	171.66	196.49
30UL	Ribble Valley	10.3	Q13	B	225	261.05	86.19	75.30	98.22
00BD	Richmond upon Thames	9.7	Q08	H	659	896.28	73.53	68.02	79.36
36UE	Richmondshire	12.5	Q11	D	415	280.28	148.07	134.16	163.02
00BQ	Rochdale	33.7	Q14	B	1381	1025.96	134.61	127.60	141.90
22UL	Rochford	8.7	Q03	G	191	369.97	51.63	44.56	59.49
30UM	Rossendale	24.1	Q13	B	435	316.10	137.61	124.98	151.17
21UG	Rother	16.2	Q19	J	355	385.40	92.11	82.78	102.21
00CF	Rotherham	28.2	Q23	D	1431	1212.74	118.00	111.96	124.27
44UD	Rugby	13.6	Q28	F	389	436.10	89.20	80.55	98.52
43UG	Runnymede	7.8	Q19	J	269	383.89	70.07	61.95	78.97
37UJ	Rushcliffe	9.0	Q24	E	397	517.18	76.76	69.40	84.70
24UL	Rushmoor	10.4	Q17	J	407	476.38	85.44	77.34	94.15
00FP	Rutland UA	6.6	Q25	E	133	185.12	71.85	60.15	85.15
36UF	Ryedale	12.9	Q11	D	196	238.14	82.31	71.19	94.67
00BR	Salford	38.2	Q14	B	1908	1108.04	172.20	164.56	180.10
46UD	Salisbury	11.8	Q20	K	588	561.35	104.75	96.45	113.57
00CS	Sandwell	35.4	Q27	F	1543	1417.85	108.83	103.46	114.40
36UG	Scarborough	24.1	Q11	D	701	490.47	142.92	132.54	153.91
20UG	Sedgefield	29.1	Q10	A	494	417.09	118.44	108.22	129.36
40UC	Sedgemoor	17.4	Q22	K	430	509.19	84.45	76.65	92.82
00CA	Sefton	26.1	Q15	B	1823	1314.54	138.68	132.39	145.20
36UH	Selby	13.1	Q11	D	277	363.25	76.26	67.54	85.79
29UK	Sevenoaks	9.6	Q18	J	377	515.82	73.09	65.89	80.85
00CG	Sheffield	28.4	Q23	D	2384	2622.94	90.89	87.28	94.61
29UL	Shepway	20.8	Q18	J	446	461.98	96.54	87.79	105.93
39UE	Shrewsbury and Atcham	15.7	Q26	F	566	465.01	121.72	111.89	132.17
00MD	Slough UA	20.9	Q16	J	625	635.55	98.34	90.78	106.36
00CT	Solihull	16.4	Q27	F	906	954.76	94.89	88.81	101.28
09UE	South Bedfordshire	12.3	Q02	G	399	552.33	72.24	65.32	79.69
11UE	South Bucks	8.1	Q16	J	260	290.93	89.37	78.83	100.92
12UG	South Cambridgeshire	6.4	Q01	G	492	652.17	75.44	68.92	82.41

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
17UK	South Derbyshire	14.8	Q24	E	334	413.50	80.77	72.34	89.92
00HD	South Gloucestershire UA	9.8	Q20	K	789	1206.50	65.40	60.91	70.12
18UG	South Hams	14.2	Q21	K	302	382.57	78.94	70.29	88.36
32UF	South Holland	15.3	Q24	E	312	366.52	85.13	75.94	95.11
32UG	South Kesteven	12.2	Q24	E	565	600.04	94.16	86.55	102.25
16UG	South Lakeland	12.0	Q13	B	429	466.51	91.96	83.46	101.09
33UH	South Norfolk	10.7	Q01	G	352	526.94	66.80	60.00	74.16
34UG	South Northamptonshire	6.6	Q25	E	289	398.60	72.50	64.38	81.36
38UD	South Oxfordshire	7.7	Q16	J	389	619.13	62.83	56.74	69.40
30UN	South Ribble	14.0	Q13	B	565	503.77	112.15	103.10	121.80
39UF	South Shropshire	15.5	Q26	F	149	187.23	79.58	67.31	93.43
40UD	South Somerset	13.7	Q22	K	599	731.00	81.94	75.51	88.78
41UF	South Staffordshire	11.7	Q26	F	335	493.21	67.92	60.84	75.60
00CL	South Tyneside	33.1	Q09	A	1028	731.68	140.50	132.04	149.36
00MS	Southampton UA	23.7	Q17	J	1196	1232.78	97.02	91.60	102.68
00KF	Southend-On-Sea UA	21.7	Q03	G	603	778.90	77.42	71.36	83.85
00BE	Southwark	35.4	Q07	H	1335	1366.96	97.66	92.49	103.05
43UH	Spelthorne	10.4	Q19	J	342	426.82	80.13	71.86	89.09
26UG	St. Albans	7.7	Q02	G	382	639.69	59.72	53.88	66.02
42UF	St. Edmundsbury	11.5	Q01	G	435	487.07	89.31	81.11	98.11
00BZ	St. Helens	32.0	Q15	B	1345	841.74	159.79	151.36	168.56
41UG	Stafford	12.9	Q26	F	404	588.83	68.61	62.08	75.64
41UH	Staffordshire Moorlands	16.5	Q26	F	260	441.16	58.94	51.99	66.55
26UH	Stevenage	15.6	Q02	G	357	402.31	88.74	79.77	98.44
00BS	Stockport	18.1	Q14	B	1661	1338.80	124.07	118.17	130.18
00EF	Stockton-On-Tees UA	26.3	Q10	A	1382	912.71	151.42	143.54	159.62
00GL	Stoke-On-Trent UA	35.3	Q26	F	1051	1186.25	88.60	83.32	94.12
44UE	Stratford-On-Avon	8.8	Q28	F	497	527.51	94.22	86.11	102.88
23UF	Stroud	10.2	Q20	K	381	516.31	73.79	66.57	81.59
42UG	Suffolk Coastal	11.5	Q01	G	430	543.50	79.12	71.81	86.96
00CM	Sunderland	34.2	Q09	A	2268	1387.85	163.42	156.76	170.28
43UJ	Surrey Heath	4.9	Q19	J	254	388.89	65.31	57.53	73.86

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
00BF	Sutton	13.3	Q08	H	797	888.56	89.70	83.58	96.15
29UM	Swale	20.9	Q18	J	538	612.45	87.84	80.58	95.59
00HX	Swindon UA	17.2	Q20	K	819	910.69	89.93	83.88	96.31
00BT	Tameside	29.8	Q14	B	1699	1037.84	163.71	156.01	171.68
41UK	Tamworth	19.7	Q26	F	305	367.40	83.02	73.96	92.88
43UK	Tandridge	8.3	Q19	J	259	370.50	69.91	61.65	78.96
40UE	Taunton Deane	16.3	Q22	K	481	503.03	95.62	87.26	104.56
20UH	Teesdale	16.4	Q10	A	87	117.15	74.26	59.48	91.60
18UH	Teignbridge	17.0	Q21	K	538	565.57	95.13	87.26	103.51
00GF	Telford and Wrekin UA	21.8	Q26	F	865	799.76	108.16	101.07	115.61
22UN	Tendring	23.1	Q03	G	406	648.67	62.59	56.65	68.98
24UN	Test Valley	8.7	Q17	J	377	532.96	70.74	63.78	78.25
23UG	Tewkesbury	10.1	Q20	K	271	365.74	74.10	65.54	83.47
29UN	Thanet	25.6	Q18	J	781	605.56	128.97	120.08	138.34
26UJ	Three Rivers	9.4	Q02	G	286	400.84	71.35	63.32	80.12
00KG	Thurrock UA	21.2	Q03	G	493	718.53	68.61	62.69	74.94
29UP	Tonbridge and Malling	9.6	Q18	J	373	526.89	70.79	63.79	78.35
00HH	Torbay UA	23.7	Q21	K	826	614.43	134.43	125.42	143.92
18UK	Torridge	21.4	Q21	K	270	281.69	95.85	84.76	107.99
00BG	Tower Hamlets	45.9	Q06	H	1189	1189.72	99.94	94.34	105.79
00BU	Trafford	20.2	Q14	B	1067	1033.47	103.24	97.14	109.63
29UQ	Tunbridge Wells	10.5	Q18	J	407	500.29	81.35	73.64	89.65
35UF	Tynedale	15.5	Q09	A	260	273.17	95.18	83.96	107.48
22UQ	Uttlesford	6.7	Q03	G	229	338.22	67.71	59.22	77.07
38UE	Vale of White Horse	6.9	Q16	J	341	574.73	59.33	53.20	65.98
13UH	Vale Royal	17.1	Q15	B	512	585.91	87.39	79.98	95.29
00DB	Wakefield	29.1	Q12	D	1587	1531.85	103.60	98.57	108.83
00CU	Walsall	29.4	Q27	F	1476	1233.30	119.68	113.65	125.94
00BH	Waltham Forest	30.2	Q06	H	1110	1182.67	93.86	88.41	99.54
00BJ	Wandsworth	20.9	Q08	H	1222	1425.15	85.75	81.00	90.69
35UG	Wansbeck	30.5	Q09	A	359	292.16	122.88	110.49	136.27
00EU	Warrington UA	19.4	Q15	B	1665	939.57	177.21	168.80	185.93

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Males				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				246950	246950.00	100.00	0.00	0.00
44UF	Warwick	12.6	Q28	F	836	671.18	124.56	116.26	133.30
26UK	Watford	14.5	Q02	G	315	404.17	77.94	69.57	87.04
42UH	Waveney	21.8	Q01	G	428	534.15	80.13	72.71	88.09
43UL	Waverley	6.2	Q19	J	447	559.50	79.89	72.66	87.65
21UH	Wealden	9.4	Q19	J	469	643.50	72.88	66.43	79.79
20UJ	Wear Valley	32.6	Q10	A	271	283.80	95.49	84.46	107.56
34UH	Wellingborough	17.5	Q25	E	310	359.89	86.14	76.81	96.28
26UL	Welwyn Hatfield	12.6	Q02	G	385	489.37	78.67	71.01	86.94
00MB	West Berkshire UA	7.9	Q16	J	444	706.81	62.82	57.11	68.94
18UL	West Devon	16.3	Q21	K	170	229.81	73.97	63.27	85.97
19UH	West Dorset	13.3	Q22	K	361	428.86	84.18	75.72	93.32
30UP	West Lancashire	21.1	Q13	B	691	513.78	134.49	124.65	144.91
32UH	West Lindsey	17.7	Q24	E	378	384.82	98.23	88.57	108.65
38UF	West Oxfordshire	6.3	Q16	J	269	467.83	57.50	50.83	64.80
40UF	West Somerset	22.1	Q22	K	134	159.88	83.81	70.22	99.27
46UF	West Wiltshire	12.0	Q20	K	455	586.00	77.65	70.67	85.12
00BK	Westminster	31.7	Q04	H	956	1187.27	80.52	75.50	85.79
19UJ	Weymouth and Portland	21.2	Q22	K	331	311.44	106.28	95.14	118.37
00BW	Wigan	29.3	Q14	B	1600	1478.22	108.24	103.00	113.68
24UP	Winchester	7.0	Q17	J	492	540.54	91.02	83.15	99.43
00ME	Windsor and Maidenhead UA	8.2	Q16	J	457	667.51	68.46	62.33	75.04
00CB	Wirral	30.1	Q15	B	2753	1473.65	186.82	179.90	193.93
43UM	Woking	7.3	Q19	J	373	436.96	85.36	76.92	94.48
00MF	Wokingham UA	5.1	Q16	J	426	758.05	56.20	50.99	61.80
00CW	Wolverhampton	32.2	Q27	F	1102	1211.72	90.94	85.65	96.48
47UE	Worcester	17.7	Q28	F	436	458.80	95.03	86.32	104.38
45UH	Worthing	15.7	Q19	J	418	462.93	90.29	81.84	99.38
47UF	Wychavon	11.3	Q28	F	390	539.67	72.27	65.27	79.81
11UF	Wycombe	9.7	Q16	J	796	791.92	100.52	93.65	107.75
30UQ	Wyre	17.8	Q13	B	416	495.69	83.92	76.05	92.39
47UG	Wyre Forest	17.8	Q28	F	341	467.31	72.97	65.43	81.14
00FF	York UA	14.5	Q11	D	698	908.42	76.84	71.24	82.75

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SAR
Middlesbrough UA	192.16	213.24	202.50
Liverpool	195.04	206.79	200.85
Oldham	181.37	197.80	189.45
Wirral	179.90	193.93	186.82
Restormel	171.66	196.49	183.76
Penwith	165.68	196.84	180.76
Knowsley	168.15	187.68	177.71
Kerrier	165.42	190.27	177.52
Warrington UA	168.80	185.93	177.21
Burnley	163.33	188.38	175.52
Carrick	162.42	187.97	174.85
Salford	164.56	180.10	172.20
Halton UA	161.21	182.73	171.72
Preston	155.94	175.60	165.55
North East Lincolnshire UA	156.02	174.39	165.01
Derwentside	152.16	177.39	164.41
Tameside	156.01	171.68	163.71
Sunderland	156.76	170.28	163.42
St. Helens	151.36	168.56	159.79
Redcar and Cleveland UA	147.04	166.29	156.44
Copeland	142.96	169.95	156.02
Blackburn with Darwen UA	146.79	165.10	155.75
Lincoln	141.45	164.68	152.74
Peterborough UA	143.59	160.76	151.99
Stockton-On-Tees UA	143.54	159.62	151.42
Kingston upon Hull, City of UA	142.93	156.38	149.54
Easington	137.97	160.86	149.09
Chichester	138.38	160.10	148.94
Richmondshire	134.16	163.02	148.07
Hartlepool UA	136.59	159.59	147.75
Hastings	134.89	158.61	146.39
Barrow-In-Furness	133.57	159.66	146.18
Manchester	139.08	148.73	143.84
Scarborough	132.54	153.91	142.92
Carlisle	132.18	153.64	142.61
South Tyneside	132.04	149.36	140.50
Darlington UA	128.74	150.35	139.24
Sefton	132.39	145.20	138.68
Derby UA	131.39	144.79	137.97
Rossendale	124.98	151.17	137.61
Bury	128.95	144.46	136.54
North Devon	125.42	148.13	136.42
Mansfield	125.35	146.50	135.62
Gateshead	127.45	142.58	134.85
Rochdale	127.60	141.90	134.61
West Lancashire	124.65	144.91	134.49
Torbay UA	125.42	143.92	134.43
Barnsley	127.00	141.07	133.90
Hyndburn	122.71	145.48	133.74
Allerdale	121.00	142.62	131.48
Chester-Le-Street	117.64	146.47	131.46
Doncaster	124.51	136.52	130.41
Thanet	120.08	138.34	128.97
Portsmouth UA	120.51	134.52	127.37
Havant	117.14	136.17	126.39
Warwick	116.26	133.30	124.56
Stockport	118.17	130.18	124.07
Leeds	120.02	127.26	123.60

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SAR
Pendle	113.19	134.15	123.33
Wansbeck	110.49	136.27	122.88
Blyth Valley	111.74	133.99	122.48
Bolton	116.11	128.16	122.02
Plymouth UA	115.71	128.11	121.79
Shrewsbury and Atcham	111.89	132.17	121.72
Durham	111.87	132.18	121.71
Lancaster	112.57	129.26	120.70
Islington	113.61	127.73	120.52
Walsall	113.65	125.94	119.68
Bradford	115.23	123.93	119.52
Exeter	110.79	128.47	119.39
Calderdale	112.36	126.48	119.26
Arun	110.95	127.81	119.16
North Cornwall	108.01	130.03	118.64
Sedgefield	108.22	129.36	118.44
Rotherham	111.96	124.27	118.00
Nottingham UA	112.44	123.34	117.79
Hackney	110.81	123.63	117.09
Chorley	107.74	127.01	117.08
Hambleton	106.09	127.44	116.40
Chesterfield	106.39	125.97	115.87
North Tyneside	108.92	123.09	115.84
Poole UA	107.37	124.08	115.50
Birmingham	112.59	118.44	115.49
Bassetlaw	105.33	123.78	114.28
Norwich	105.87	122.43	113.92
Leicester UA	108.50	119.31	113.81
Ashfield	104.82	123.00	113.63
Kings Lynn and West Norfolk	105.50	122.11	113.58
Camden	107.00	119.53	113.14
Gosport	102.71	124.26	113.10
South Ribble	103.10	121.80	112.15
Harrogate	103.69	119.05	111.17
Newcastle upon Tyne	104.76	115.87	110.21
Sandwell	103.46	114.40	108.83
Northampton	102.32	115.40	108.71
Blackpool UA	100.65	116.51	108.36
Wigan	103.00	113.68	108.24
Telford and Wrekin UA	101.07	115.61	108.16
Dover	99.04	117.48	107.97
Cheltenham	99.41	116.92	107.90
Ipswich	99.36	116.21	107.54
Bolsover	96.86	118.88	107.45
Weymouth and Portland	95.14	118.37	106.28
Fenland	95.50	115.83	105.30
Eastbourne	95.63	115.18	105.07
Macclesfield	97.43	112.81	104.91
Salisbury	96.45	113.57	104.75
North Lincolnshire UA	96.43	111.31	103.67
Wakefield	98.57	108.83	103.60
Hammersmith and Fulham	96.88	110.09	103.32
Boston	91.55	116.08	103.27
Ellesmere Port and Neston	93.39	113.92	103.27
Trafford	97.14	109.63	103.24
Gloucester	94.61	111.76	102.92
Newark and Sherwood	94.32	112.05	102.90
Crewe and Nantwich	94.37	111.65	102.74

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SAR
Harlow	91.01	111.31	100.78
Mid Devon	90.18	111.87	100.59
Wycombe	93.65	107.75	100.52
Tower Hamlets	94.34	105.79	99.94
Alnwick	83.72	117.01	99.33
Corby	87.46	111.97	99.15
Erewash	90.21	107.32	98.49
Slough UA	90.78	106.36	98.34
West Lindsey	88.57	108.65	98.23
Southwark	92.49	103.05	97.66
Canterbury	90.05	104.82	97.23
Southampton UA	91.60	102.68	97.02
Berwick-upon-Tweed	79.69	116.07	96.62
Shepway	87.79	105.93	96.54
Lambeth	91.37	101.44	96.30
Bournemouth UA	89.39	102.90	95.97
Torridge	84.76	107.99	95.85
Purbeck	83.02	110.01	95.81
Taunton Deane	87.26	104.56	95.62
Wear Valley	84.46	107.56	95.49
Tynedale	83.96	107.48	95.18
Great Yarmouth	86.22	104.81	95.18
Teignbridge	87.26	103.51	95.13
Worcester	86.32	104.38	95.03
Solihull	88.81	101.28	94.89
Lewisham	89.23	99.85	94.43
Kirklees	89.99	98.67	94.25
Stratford-On-Avon	86.11	102.88	94.22
South Kesteven	86.55	102.25	94.16
Coventry	89.46	98.95	94.11
Waltham Forest	88.41	99.54	93.86
North Kesteven	84.76	102.55	93.34
Amber Valley	85.36	101.58	93.20
East Lindsey	85.58	100.94	93.02
Milton Keynes UA	87.43	98.82	92.99
Cambridge	85.41	100.09	92.53
Bristol, City of UA	88.22	96.56	92.32
Rother	82.78	102.21	92.11
South Lakeland	83.46	101.09	91.96
Hillingdon	85.95	96.56	91.14
Winchester	83.15	99.43	91.02
Wolverhampton	85.65	96.48	90.94
Sheffield	87.28	94.61	90.89
Medway UA	85.31	95.89	90.48
Worthing	81.84	99.38	90.29
Swindon UA	83.88	96.31	89.93
Gravesham	81.34	98.82	89.76
Sutton	83.58	96.15	89.70
Bridgnorth	78.41	101.57	89.43
South Bucks	78.83	100.92	89.37
St. Edmundsbury	81.11	98.11	89.31
Rugby	80.55	98.52	89.20
Stevenage	79.77	98.44	88.74
High Peak	80.08	98.07	88.73
Stoke-On-Trent UA	83.32	94.12	88.60
Gedling	80.67	96.96	88.54
Chiltern	79.23	97.57	88.05
Swale	80.58	95.59	87.84

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SAR
Vale Royal	79.98	95.29	87.39
Nuneaton and Bedworth	79.93	95.30	87.36
Guildford	80.22	94.54	87.16
Bath and North East Somerset	80.97	93.58	87.10
East Staffordshire	79.17	95.55	87.07
Reading UA	80.38	93.48	86.74
Derbyshire Dales	76.84	97.56	86.74
Newham	81.87	91.61	86.64
Cotswold	77.45	96.37	86.52
Ribble Valley	75.30	98.22	86.19
Isle of Wight UA	79.10	93.69	86.17
Wellingborough	76.81	96.28	86.14
Cherwell	79.17	93.53	86.13
Wandsworth	81.00	90.69	85.75
New Forest	79.20	92.22	85.52
North Somerset UA	79.51	91.69	85.44
Rushmoor	77.34	94.15	85.44
Woking	76.92	94.48	85.36
Redditch	76.35	94.77	85.19
South Holland	75.94	95.11	85.13
Crawley	77.17	93.44	85.01
East Hampshire	77.26	93.03	84.87
Sedgemoor	76.65	92.82	84.45
West Dorset	75.72	93.32	84.18
Wyre	76.05	92.39	83.92
Hounslow	78.65	89.38	83.89
West Somerset	70.22	99.27	83.81
Dartford	75.16	92.72	83.59
Basingstoke and Deane	77.18	90.33	83.56
Chester	76.13	91.37	83.49
Fareham	75.79	91.69	83.45
Aylesbury Vale	77.27	89.85	83.39
Tamworth	73.96	92.88	83.02
Craven	71.92	95.10	82.91
North Shropshire	72.54	93.97	82.74
North East Derbyshire	74.56	91.49	82.70
Reigate and Banstead	75.50	90.08	82.55
Oadby and Wigston	72.04	93.86	82.42
Ryedale	71.19	94.67	82.31
Christchurch	70.33	95.64	82.26
Blaby	74.02	91.10	82.23
South Somerset	75.51	88.78	81.94
Ashford	74.09	89.96	81.74
Tunbridge Wells	73.64	89.65	81.35
Ealing	76.85	85.66	81.17
Greenwich	76.03	86.46	81.12
Congleton	72.64	89.86	80.91
Bromley	76.25	85.65	80.85
South Derbyshire	72.34	89.92	80.77
Castle Morpeth	69.64	93.12	80.75
Herefordshire, County of UA	74.73	87.10	80.74
Mendip	73.07	88.89	80.69
Eden	69.56	92.86	80.59
Forest Heath	70.97	91.12	80.58
Westminster	75.50	85.79	80.52
Epsom and Ewell	70.94	90.77	80.40
Spelthorne	71.86	89.09	80.13
Waveney	72.71	88.09	80.13

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SAR
East Riding of Yorkshire UA	75.57	84.70	80.04
Breckland	72.96	87.49	79.98
Waverley	72.66	87.65	79.89
Melton	68.56	92.26	79.76
Adur	69.53	90.92	79.70
South Shropshire	67.31	93.43	79.58
Huntingdonshire	73.30	85.93	79.43
Barking and Dagenham	73.30	85.44	79.20
Suffolk Coastal	71.81	86.96	79.12
South Hams	70.29	88.36	78.94
Broadland	71.69	86.67	78.91
Broxtowe	71.29	86.64	78.68
Welwyn Hatfield	71.01	86.94	78.67
Kennet	69.71	87.70	78.32
East Dorset	69.57	87.54	78.17
Watford	69.57	87.04	77.94
Caradon	69.24	87.32	77.89
West Wiltshire	70.67	85.12	77.65
Luton UA	72.04	83.14	77.44
Southend-On-Sea UA	71.36	83.85	77.42
Bedford	71.20	83.94	77.37
Basildon	71.45	83.65	77.37
Mole Valley	68.45	86.50	77.08
York UA	71.24	82.75	76.84
North West Leicestershire	68.65	85.64	76.79
Rushcliffe	69.40	84.70	76.76
North Dorset	67.05	86.53	76.32
Selby	67.54	85.79	76.26
Brighton and Hove UA	71.44	81.11	76.16
South Cambridgeshire	68.92	82.41	75.44
North Norfolk	67.20	83.41	74.98
Merton	69.49	80.34	74.77
Babergh	66.44	83.76	74.73
Teesdale	59.48	91.60	74.26
Tewkesbury	65.54	83.47	74.10
Bracknell Forest UA	67.04	81.43	73.97
West Devon	63.27	85.97	73.97
Stroud	66.57	81.59	73.79
Haringey	69.00	78.76	73.76
Charnwood	67.91	79.85	73.70
Richmond upon Thames	68.02	79.36	73.53
Oxford	67.75	79.59	73.50
Sevenoaks	65.89	80.85	73.09
East Devon	66.28	80.34	73.06
Wyre Forest	65.43	81.14	72.97
Wealden	66.43	79.79	72.88
Dacorum	66.49	79.54	72.79
Dudley	68.32	77.10	72.61
South Northamptonshire	64.38	81.36	72.50
East Cambridgeshire	63.93	81.60	72.36
Wychavon	65.27	79.81	72.27
South Bedfordshire	65.32	79.69	72.24
Rutland UA	60.15	85.15	71.85
Three Rivers	63.32	80.12	71.35
Tonbridge and Malling	63.79	78.35	70.79
Test Valley	63.78	78.25	70.74
Newcastle-under-Lyme	63.88	77.55	70.47
Kingston upon Thames	64.74	76.56	70.46

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Males

Local authority	95% Confidence interval		SAR
Fylde	61.80	79.71	70.33
Eastleigh	63.56	77.54	70.29
Mid Suffolk	62.50	78.72	70.26
Croydon	66.19	74.20	70.11
Runnymede	61.95	78.97	70.07
North Wiltshire	63.52	76.85	69.95
Bexley	64.99	75.13	69.92
Tandridge	61.65	78.96	69.91
Forest of Dean	61.40	78.53	69.57
Maldon	60.16	79.89	69.51
Elmbridge	62.23	75.59	68.67
Thurrock UA	62.69	74.94	68.61
Stafford	62.08	75.64	68.61
Windsor and Maidenhead UA	62.33	75.04	68.46
Hinckley and Bosworth	61.24	76.23	68.43
Cannock Chase	60.91	76.37	68.31
North Hertfordshire	61.61	75.35	68.22
Harborough	59.90	76.83	67.97
South Staffordshire	60.84	75.60	67.92
Uttlesford	59.22	77.07	67.71
Bromsgrove	59.58	75.42	67.15
South Norfolk	60.00	74.16	66.80
Malvern Hills	57.83	75.35	66.16
Broxbourne	57.96	73.65	65.46
South Gloucestershire UA	60.91	70.12	65.40
Surrey Heath	57.53	73.86	65.31
Havering	60.07	69.78	64.79
Daventry	56.56	73.32	64.54
Epping Forest	57.66	70.92	64.03
Braintree	57.83	70.19	63.79
Maidstone	57.96	70.03	63.78
Colchester	58.27	69.40	63.65
Redbridge	59.32	68.21	63.65
Kensington and Chelsea	58.16	68.73	63.28
Lewes	55.81	70.95	63.04
South Oxfordshire	56.74	69.40	62.83
West Berkshire UA	57.11	68.94	62.82
Tendring	56.65	68.98	62.59
Brent	58.50	66.76	62.53
Barnet	58.60	66.30	62.36
Castle Point	54.40	69.88	61.78
Enfield	57.68	65.91	61.69
Chelmsford	56.27	67.46	61.67
East Northamptonshire	53.88	69.77	61.44
Hertsmere	54.35	69.07	61.38
Mid Bedfordshire	54.81	67.31	60.82
Hart	53.01	67.92	60.12
St. Albans	53.88	66.02	59.72
Vale of White Horse	53.20	65.98	59.33
Staffordshire Moorlands	51.99	66.55	58.94
Kettering	51.64	66.71	58.82
Oswestry	48.18	70.91	58.73
Lichfield	51.46	66.00	58.39
Horsham	52.17	64.71	58.19
East Hertfordshire	52.28	64.35	58.08
North Warwickshire	49.58	67.37	57.97
West Oxfordshire	50.83	64.80	57.50
Wokingham UA	50.99	61.80	56.20

Head Injuries :

**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Males**

Local authority	95% Confidence interval		SAR
Mid Sussex	48.88	60.80	54.60
Rochford	44.56	59.49	51.63
Brentwood	43.49	59.21	50.90
Harrow	45.76	54.27	49.88

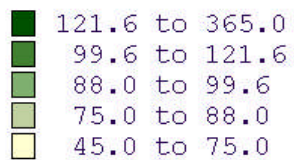
Head Injuries: FCE1s: females

Standardised Admission Ratio: each local authority in England

Principal diagnosis: 2002/03 to 2004/05

S00.0-S09.9

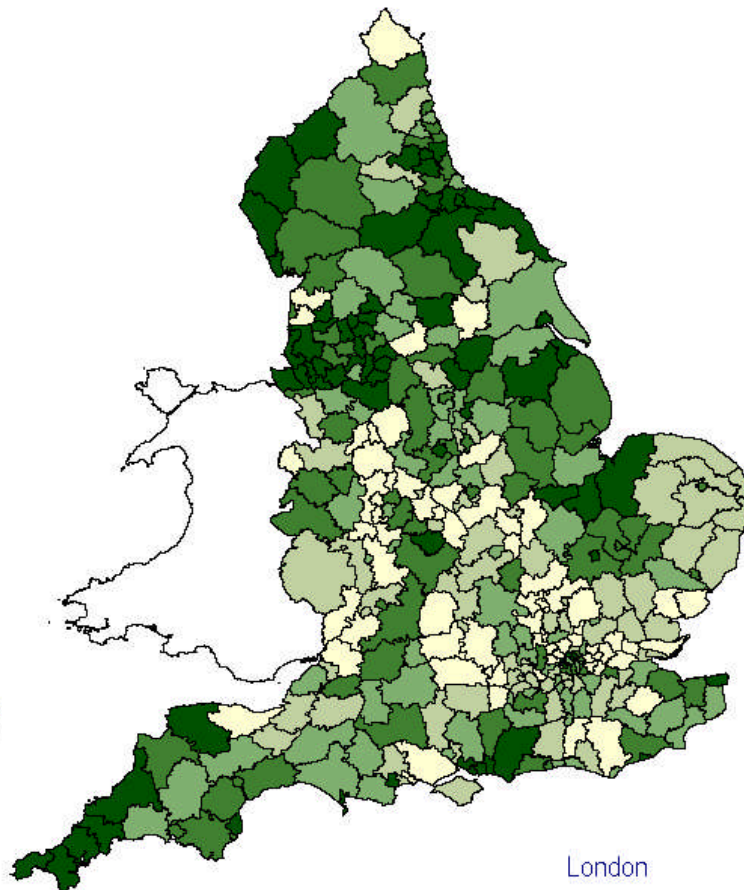
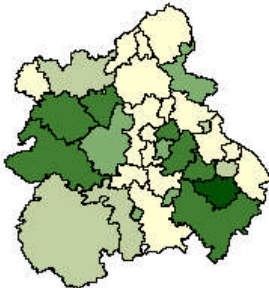
Quintile range of SAR



Manchester



West Midlands

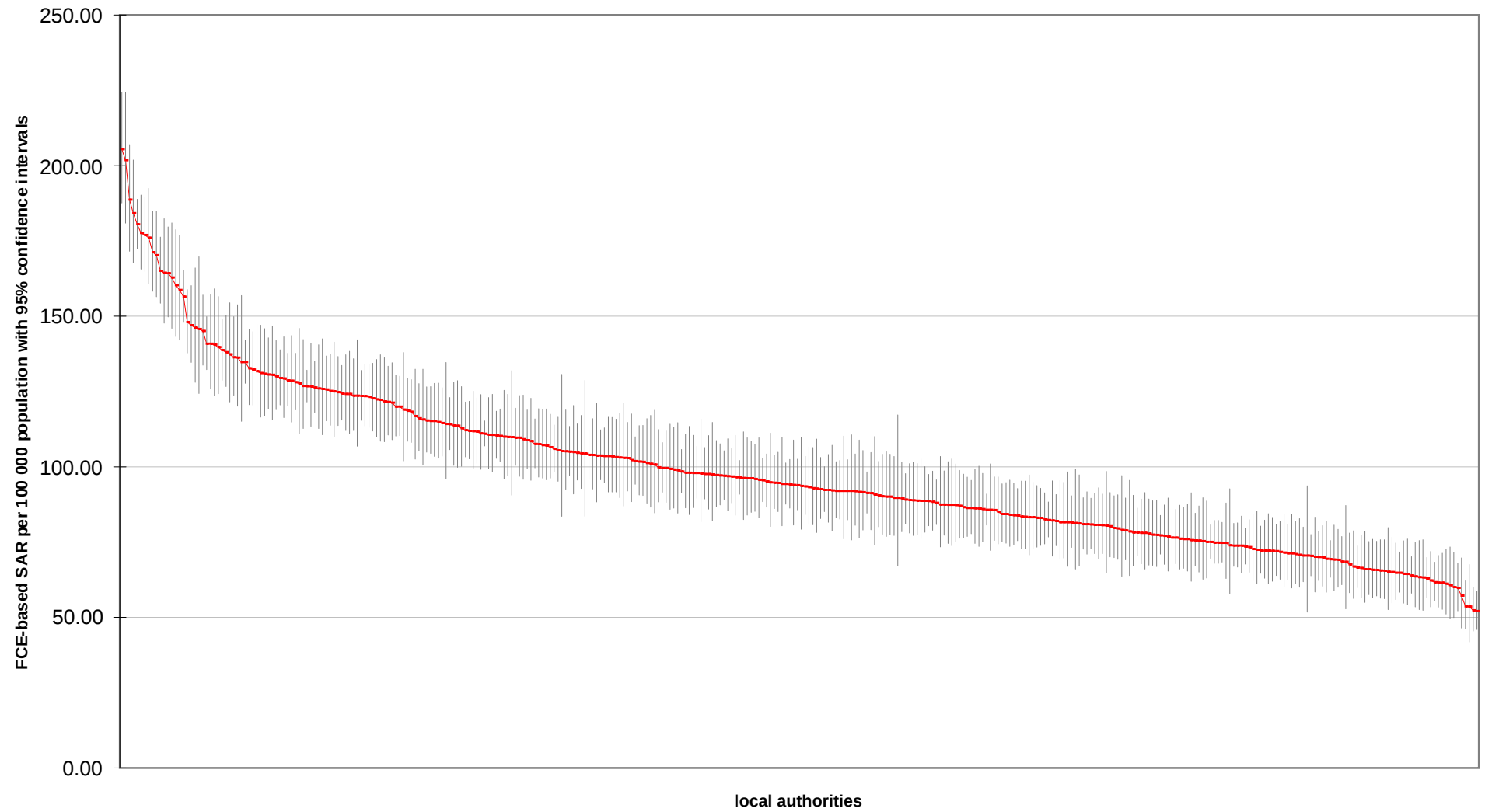


London

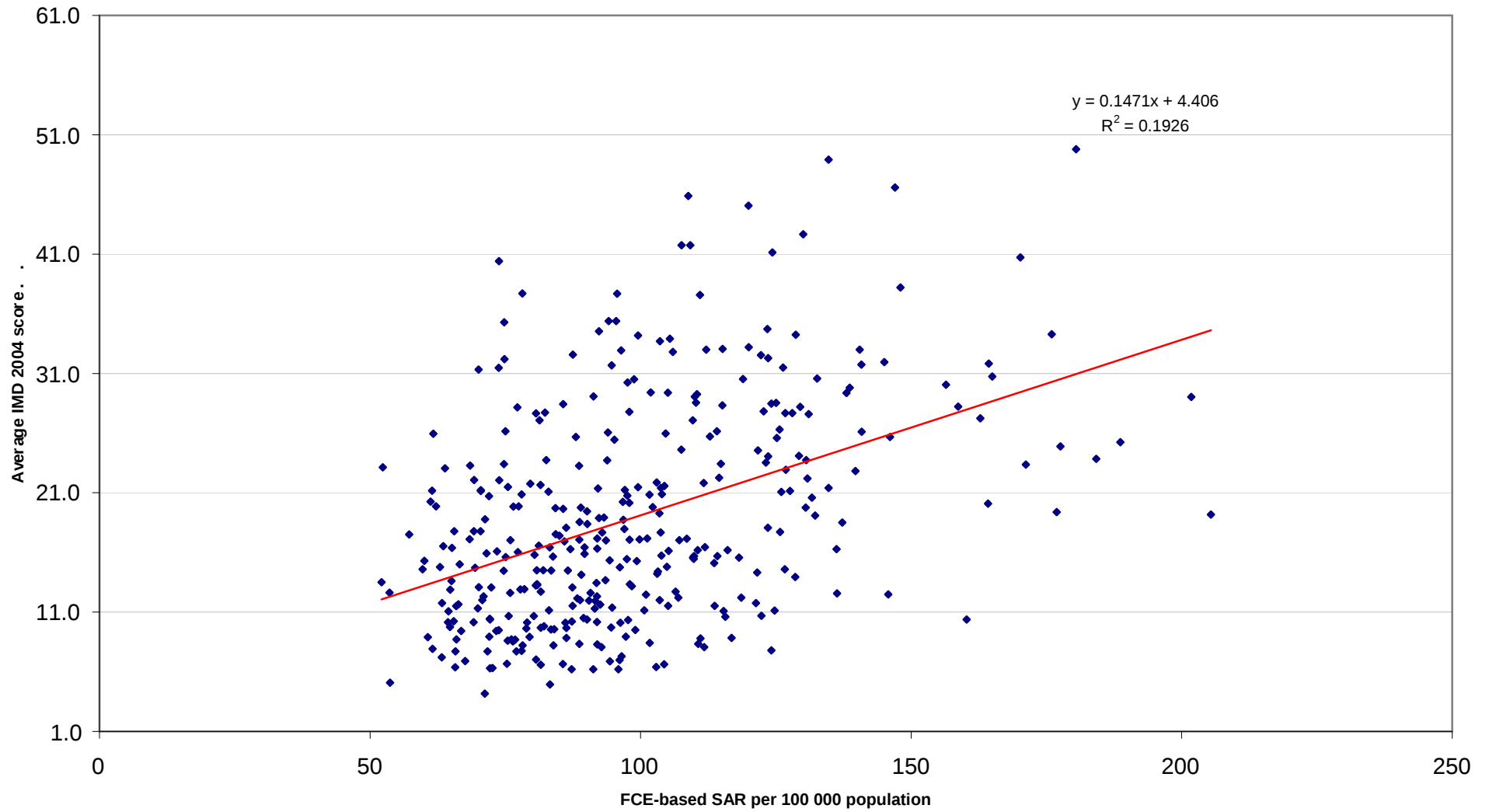


This work is based on data provided through EDINA UKBORDERS with the support of the ESRC and JISC and uses boundary material which is copyright of the Crown.

Head Injuries : FCE-based SAR per 100 000 population for each local authority, Females



Head Injuries : average IMD score plotted against the FCE-based SAR for each local authority, Females



HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
45UB	Adur	17.0	Q19	J	151	161.32	93.61	79.27	109.78
16UB	Allerdale	22.9	Q13	B	292	230.18	126.85	112.72	142.27
35UB	Alnwick	16.1	Q09	A	81	77.02	105.17	83.51	130.71
17UB	Amber Valley	18.9	Q24	E	266	288.16	92.31	81.55	104.10
45UC	Arun	15.6	Q19	J	505	427.24	118.20	108.12	128.98
37UB	Ashfield	27.8	Q24	E	264	269.58	97.93	86.47	110.48
29UB	Ashford	13.4	Q18	J	238	259.10	91.85	80.55	104.30
11UB	Aylesbury Vale	8.3	Q16	J	353	383.66	92.01	82.66	102.13
42UB	Babergh	11.3	Q01	G	192	209.77	91.53	79.04	105.43
00AB	Barking and Dagenham	31.3	Q06	H	294	419.75	70.04	62.26	78.52
00AC	Barnet	16.1	Q05	H	591	804.44	73.47	67.66	79.64
00CC	Barnsley	33.0	Q23	D	591	527.05	112.13	103.27	121.55
16UC	Barrow-In-Furness	33.0	Q13	B	248	176.51	140.50	123.56	159.12
22UB	Basildon	20.7	Q03	G	287	398.75	71.98	63.89	80.80
24UB	Basingstoke and Deane	8.8	Q17	J	304	352.21	86.31	76.88	96.58
37UC	Bassetlaw	25.7	Q24	E	288	255.30	112.81	100.15	126.62
00HA	Bath and North East Somerset UA	12.2	Q20	K	507	427.52	118.59	108.49	129.38
09UD	Bedford	17.5	Q02	G	301	356.98	84.32	75.06	94.40
35UC	Berwick-upon-Tweed	21.2	Q09	A	47	66.68	70.48	51.78	93.73
00AD	Bexley	15.0	Q07	H	357	536.39	66.56	59.83	73.83
00CN	Birmingham	37.6	Q27	F	2747	2474.79	111.00	106.89	115.23
31UB	Blaby	8.7	Q25	E	160	208.28	76.82	65.38	89.69
00EX	Blackburn with Darwen UA	32.3	Q13	B	422	341.54	123.56	112.05	135.93
00EY	Blackpool UA	33.9	Q13	B	385	365.16	105.43	95.16	116.51
35UD	Blyth Valley	26.1	Q09	A	177	188.38	93.96	80.63	108.87
17UC	Bolsover	30.5	Q24	E	173	175.11	98.79	84.62	114.66
00BL	Bolton	29.4	Q14	B	648	636.16	101.86	94.17	110.01
32UB	Boston	21.9	Q24	E	146	141.77	102.99	86.96	121.11
00HN	Bournemouth UA	23.7	Q22	K	372	450.55	82.57	74.39	91.40
00MA	Bracknell Forest UA	8.6	Q16	J	188	249.22	75.43	65.04	87.02
00CX	Bradford	32.9	Q12	D	1149	1191.94	96.40	90.90	102.14
22UC	Braintree	13.2	Q03	G	264	327.45	80.62	71.19	90.96

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
33UB	Breckland	14.5	Q01	G	267	308.48	86.55	76.48	97.58
00AE	Brent	26.0	Q04	H	366	593.41	61.68	55.52	68.33
22UD	Brentwood	8.9	Q03	G	106	174.73	60.66	49.67	73.37
39UB	Bridgnorth	12.3	Q26	F	112	121.78	91.97	75.72	110.66
00ML	Brighton and Hove UA	25.7	Q19	J	555	630.37	88.04	80.87	95.68
00HB	Bristol, City of UA	27.7	Q20	K	782	949.70	82.34	76.67	88.32
33UC	Broadland	9.6	Q01	G	234	296.70	78.87	69.08	89.65
00AF	Bromley	13.2	Q07	H	743	755.13	98.39	91.44	105.73
47UB	Bromsgrove	10.1	Q28	F	139	215.77	64.42	54.16	76.06
26UB	Broxbourne	14.7	Q02	G	140	201.74	69.40	58.38	81.89
37UD	Broxtowe	16.0	Q24	E	196	253.41	77.34	66.89	88.96
30UD	Burnley	31.8	Q13	B	355	215.99	164.36	147.70	182.38
00BM	Bury	23.5	Q14	B	540	438.41	123.17	113.00	134.01
00CY	Calderdale	25.4	Q12	D	456	479.27	95.14	86.61	104.29
12UB	Cambridge	14.6	Q01	G	333	262.89	126.67	113.43	141.03
00AG	Camden	34.7	Q05	H	567	459.29	123.45	113.50	134.04
41UB	Cannock Chase	20.3	Q26	F	130	212.48	61.18	51.12	72.65
29UC	Canterbury	16.2	Q18	J	426	366.93	116.10	105.33	127.67
15UB	Caradon	18.4	Q21	K	183	202.95	90.17	77.58	104.22
16UD	Carlisle	22.2	Q13	B	325	248.37	130.85	117.01	145.88
15UC	Carrick	19.2	Q21	K	490	238.55	205.40	187.62	224.42
35UE	Castle Morpeth	15.8	Q09	A	93	115.64	80.42	64.91	98.53
22UE	Castle Point	12.7	Q03	G	167	204.80	81.54	69.64	94.89
31UC	Charnwood	12.1	Q25	E	319	361.20	88.32	78.89	98.56
22UF	Chelmsford	8.6	Q03	G	284	371.65	76.42	67.79	85.84
23UB	Cheltenham	14.4	Q20	K	289	279.95	103.23	91.67	115.85
38UB	Cherwell	11.2	Q16	J	262	315.37	83.08	73.32	93.77
13UB	Chester	17.0	Q15	B	222	292.35	75.94	66.28	86.61
17UD	Chesterfield	27.1	Q24	E	266	242.60	109.65	96.86	123.65
20UB	Chester-Le-Street	21.4	Q10	A	167	123.92	134.77	115.10	156.83
45UD	Chichester	10.7	Q19	J	359	293.47	122.33	110.00	135.66
11UC	Chiltern	6.2	Q16	J	202	221.35	91.26	79.11	104.75

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
30UE	Chorley	17.2	Q13	B	253	233.13	108.52	95.56	122.75
19UC	Christchurch	12.6	Q22	K	71	132.43	53.61	41.87	67.63
22UG	Colchester	14.6	Q03	G	227	379.99	59.74	52.22	68.04
13UC	Congleton	9.5	Q15	B	215	217.09	99.04	86.24	113.20
16UE	Copeland	25.7	Q13	B	235	160.83	146.12	128.03	166.05
34UB	Corby	27.1	Q25	E	98	120.47	81.35	66.04	99.14
23UC	Cotswold	8.8	Q20	K	243	208.04	116.80	102.58	132.45
00CQ	Coventry	28.2	Q28	F	565	731.60	77.23	70.99	83.87
36UB	Craven	11.9	Q11	D	128	139.70	91.62	76.44	108.94
45UE	Crawley	14.8	Q19	J	223	231.84	96.19	83.98	109.68
13UD	Crewe and Nantwich	17.1	Q15	B	273	273.57	99.79	88.30	112.36
00AH	Croydon	19.9	Q08	H	606	792.36	76.48	70.51	82.82
26UC	Dacorum	9.5	Q02	G	244	330.66	73.79	64.82	83.66
00EH	Darlington UA	24.6	Q10	A	301	247.33	121.70	108.34	136.25
29UD	Dartford	17.2	Q18	J	207	204.47	101.24	87.91	116.01
34UC	Daventry	10.2	Q25	E	147	168.35	87.32	73.77	102.63
00FK	Derby UA	27.7	Q24	E	724	565.38	128.06	118.90	137.73
17UF	Derbyshire Dales	12.5	Q24	E	176	174.24	101.01	86.64	117.09
20UD	Derwentside	28.2	Q10	A	331	208.56	158.71	142.07	176.76
00CE	Doncaster	31.5	Q23	D	866	685.53	126.33	118.05	135.03
29UE	Dover	18.7	Q18	J	262	270.58	96.83	85.46	109.29
00CR	Dudley	22.1	Q27	F	504	727.75	69.25	63.34	75.57
20UE	Durham	18.5	Q10	A	276	201.08	137.26	121.54	154.45
00AJ	Ealing	23.4	Q04	H	504	674.41	74.73	68.35	81.55
20UF	Easington	41.8	Q10	A	241	220.73	109.18	95.83	123.87
12UC	East Cambridgeshire	10.6	Q01	G	210	181.56	115.67	100.55	132.41
18UB	East Devon	12.7	Q21	K	395	370.93	106.49	96.24	117.53
19UD	East Dorset	8.2	Q22	K	178	227.65	78.19	67.13	90.56
24UC	East Hampshire	8.1	Q17	J	301	269.32	111.76	99.49	125.13
26UD	East Hertfordshire	6.3	Q02	G	221	306.17	72.18	62.98	82.35
32UC	East Lindsey	24.6	Q24	E	355	330.17	107.52	96.62	119.31
34UD	East Northamptonshire	11.8	Q25	E	122	192.75	63.30	52.56	75.58

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
00FB	East Riding of Yorkshire UA	15.3	Q11	D	741	786.01	94.27	87.61	101.31
41UC	East Staffordshire	18.5	Q26	F	224	252.41	88.75	77.50	101.16
21UC	Eastbourne	21.5	Q19	J	279	280.27	99.55	88.21	111.94
24UD	Eastleigh	8.9	Q17	J	219	275.57	79.47	69.29	90.72
16UF	Eden	15.7	Q13	B	141	123.46	114.21	96.13	134.69
13UE	Ellesmere Port and Neston	19.8	Q15	B	197	192.68	102.24	88.46	117.56
43UB	Elmbridge	7.0	Q19	J	257	318.47	80.70	71.13	91.19
00AK	Enfield	23.1	Q05	H	435	681.01	63.88	58.01	70.17
22UH	Epping Forest	13.3	Q03	G	242	299.18	80.89	71.02	91.75
43UC	Epsom and Ewell	6.9	Q19	J	164	173.87	94.32	80.44	109.92
17UG	Erewash	19.3	Q24	E	276	266.75	103.47	91.62	116.42
18UC	Exeter	21.6	Q21	K	293	280.60	104.42	92.80	117.08
24UE	Fareham	7.8	Q17	J	326	262.58	124.15	111.04	138.39
12UD	Fenland	19.8	Q01	G	279	213.74	130.53	115.66	146.78
42UC	Forest Heath	11.1	Q01	G	140	139.03	100.69	84.70	118.82
23UD	Forest of Dean	15.9	Q20	K	141	197.10	71.54	60.22	84.37
30UF	Fylde	13.1	Q13	B	145	200.21	72.42	61.11	85.22
00CH	Gateshead	33.2	Q09	A	553	460.88	119.99	110.19	130.42
37UE	Gedling	16.4	Q24	E	222	266.75	83.22	72.63	94.92
23UE	Gloucester	19.9	Q20	K	207	267.29	77.44	67.25	88.74
24UF	Gosport	16.3	Q17	J	260	190.90	136.20	120.14	153.80
29UG	Gravesham	18.1	Q18	J	195	226.13	86.23	74.55	99.22
33UD	Great Yarmouth	27.7	Q01	G	188	233.06	80.67	69.55	93.06
00AL	Greenwich	31.5	Q07	H	400	541.96	73.81	66.75	81.41
43UD	Guildford	8.3	Q19	J	345	311.72	110.68	99.30	122.99
00AM	Hackney	45.1	Q06	H	575	479.44	119.93	110.33	130.15
00ET	Halton UA	34.3	Q15	B	483	274.43	176.00	160.65	192.42
36UC	Hambleton	10.4	Q11	D	323	201.55	160.26	143.26	178.73
00AN	Hammersmith and Fulham	27.8	Q04	H	466	379.71	122.73	111.83	134.39
31UD	Harborough	7.2	Q25	E	117	184.95	63.26	52.32	75.82
00AP	Haringey	37.7	Q05	H	385	492.62	78.15	70.54	86.36
22UJ	Harlow	21.4	Q03	G	168	182.33	92.14	78.73	107.18

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
36UD	Harrogate	11.1	Q11	D	444	384.92	115.35	104.87	126.60
00AQ	Harrow	13.5	Q04	H	263	504.66	52.11	46.01	58.81
24UG	Hart	4.2	Q17	J	137	192.35	71.22	59.80	84.20
00EB	Hartlepool UA	37.7	Q10	A	206	215.32	95.67	83.05	109.67
21UD	Hastings	31.7	Q19	J	321	227.96	140.81	125.83	157.09
24UH	Havant	20.1	Q17	J	475	289.29	164.19	149.76	179.65
00AR	Havering	14.8	Q06	H	347	551.33	62.94	56.49	69.92
00GA	Herefordshire, County of UA	15.7	Q28	F	370	441.56	83.79	75.47	92.78
26UE	Hertsmere	12.0	Q02	G	211	237.57	88.82	77.23	101.64
17UH	High Peak	15.1	Q24	E	247	217.47	113.58	99.85	128.66
00AS	Hillingdon	17.7	Q04	H	614	592.02	103.71	95.67	112.25
31UE	Hinckley and Bosworth	11.1	Q25	E	155	240.38	64.48	54.73	75.47
45UF	Horsham	6.7	Q19	J	262	305.97	85.63	75.57	96.65
00AT	Hounslow	23.3	Q04	H	424	478.44	88.62	80.38	97.47
12UE	Huntingdonshire	10.2	Q01	G	335	364.26	91.97	82.38	102.36
30UG	Hyndburn	28.5	Q13	B	252	201.56	125.02	110.06	141.45
42UD	Ipswich	23.4	Q01	G	336	292.57	114.84	102.89	127.81
00MW	Isle of Wight UA	21.1	Q17	J	303	365.24	82.96	73.88	92.85
00AU	Islington	42.7	Q05	H	503	386.71	130.07	118.95	141.95
46UB	Kennet	10.1	Q20	K	175	181.81	96.25	82.52	111.62
00AW	Kensington and Chelsea	21.5	Q04	H	293	388.04	75.51	67.11	84.67
15UD	Kerrier	25.2	Q21	K	446	236.39	188.67	171.57	207.02
34UE	Kettering	15.3	Q25	E	124	206.57	60.03	49.93	71.57
33UE	Kings Lynn and West Norfolk	19.1	Q01	G	462	349.34	132.25	120.46	144.88
00FA	Kingston upon Hull, City of UA	41.1	Q11	D	730	587.06	124.35	115.49	133.71
00AX	Kingston upon Thames	11.6	Q08	H	329	355.48	92.55	82.82	103.11
00CZ	Kirklees	26.2	Q12	D	719	958.45	75.02	69.63	80.71
00BX	Knowsley	46.6	Q15	B	521	354.42	147.00	134.65	160.18
00AY	Lambeth	34.2	Q07	H	569	571.56	99.55	91.54	108.08
30UH	Lancaster	22.3	Q13	B	397	346.74	114.50	103.51	126.33
00DA	Leeds	27.7	Q12	D	2209	1742.91	126.74	121.51	132.14
00FN	Leicester UA	32.8	Q25	E	734	692.70	105.96	98.43	113.91

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
21UF	Lewes	12.9	Q19	J	199	255.88	77.77	67.34	89.36
00AZ	Lewisham	28.6	Q07	H	630	571.39	110.26	101.81	119.21
41UD	Lichfield	12.0	Q26	F	155	219.12	70.74	60.04	82.79
32UD	Lincoln	27.2	Q24	E	342	210.09	162.79	145.99	180.99
00BY	Liverpool	49.8	Q15	B	1891	1047.61	180.51	172.46	188.83
00KA	Luton UA	23.3	Q02	G	292	426.17	68.52	60.88	76.85
13UG	Macclesfield	11.1	Q15	B	467	374.26	124.78	113.72	136.63
29UH	Maidstone	11.5	Q18	J	222	336.71	65.93	57.54	75.20
22UK	Maldon	10.7	Q03	G	107	141.47	75.63	61.98	91.39
47UC	Malvern Hills	13.1	Q28	F	166	189.98	87.38	74.59	101.73
00BN	Manchester	48.9	Q14	B	1373	1018.90	134.75	127.72	142.07
37UF	Mansfield	32.5	Q24	E	287	234.82	122.22	108.49	137.21
00LC	Medway UA	18.0	Q18	J	564	581.33	97.02	89.18	105.37
31UG	Melton	10.1	Q25	E	91	115.12	79.05	63.64	97.06
40UB	Mendip	14.5	Q22	K	221	264.74	83.48	72.83	95.24
00BA	Merton	14.5	Q08	H	367	447.58	82.00	73.82	90.83
09UC	Mid Bedfordshire	7.7	Q02	G	186	282.74	65.78	56.67	75.95
18UD	Mid Devon	17.1	Q21	K	178	181.69	97.97	84.10	113.46
42UE	Mid Suffolk	9.8	Q01	G	173	210.54	82.17	70.38	95.37
45UG	Mid Sussex	6.4	Q19	J	209	317.91	65.74	57.13	75.29
00EC	Middlesbrough UA	40.7	Q10	A	562	330.18	170.21	156.43	184.88
00MG	Milton Keynes UA	15.6	Q16	J	525	478.65	109.68	100.50	119.48
43UE	Mole Valley	6.2	Q19	J	180	206.30	87.25	74.97	100.97
24UJ	New Forest	10.4	Q17	J	333	461.32	72.18	64.64	80.37
37UG	Newark and Sherwood	19.8	Q24	E	237	266.42	88.96	77.99	101.03
00CJ	Newcastle upon Tyne	34.5	Q09	A	599	648.74	92.33	85.09	100.03
41UE	Newcastle-under-Lyme	19.9	Q26	F	183	294.13	62.22	53.53	71.92
00BB	Newham	40.4	Q06	H	422	571.54	73.84	66.96	81.23
15UE	North Cornwall	22.8	Q21	K	297	212.61	139.69	124.25	156.52
18UE	North Devon	20.6	Q21	K	300	227.85	131.66	117.18	147.44
19UE	North Dorset	11.4	Q22	K	150	158.31	94.75	80.20	111.19
17UJ	North East Derbyshire	18.9	Q24	E	213	228.42	93.25	81.15	106.65

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
00FC	North East Lincolnshire UA	29.4	Q11	D	540	391.09	138.08	126.67	150.23
26UF	North Hertfordshire	10.1	Q02	G	205	296.58	69.12	59.98	79.26
32UE	North Kesteven	11.5	Q24	E	270	237.52	113.68	100.52	128.08
00FD	North Lincolnshire UA	21.2	Q11	D	362	372.81	97.10	87.35	107.64
33UF	North Norfolk	16.9	Q01	G	229	266.53	85.92	75.15	97.80
39UC	North Shropshire	16.6	Q26	F	116	142.89	81.18	67.08	97.37
00HC	North Somerset UA	14.1	Q20	K	443	497.36	89.07	80.97	97.76
00CK	North Tyneside	26.0	Q09	A	494	472.14	104.63	95.61	114.28
44UB	North Warwickshire	16.4	Q28	F	93	142.72	65.16	52.59	79.83
31UH	North West Leicestershire	15.9	Q25	E	186	207.51	89.64	77.22	103.48
46UC	North Wiltshire	8.4	Q20	K	307	301.90	101.69	90.63	113.73
34UF	Northampton	20.2	Q25	E	447	462.09	96.74	87.97	106.13
33UG	Norwich	28.3	Q01	G	355	308.33	115.13	103.47	127.76
00FY	Nottingham UA	41.8	Q24	E	686	637.82	107.55	99.65	115.91
44UC	Nuneaton and Bedworth	21.2	Q28	F	174	283.01	61.48	52.69	71.33
31UJ	Oadby and Wigston	9.7	Q25	E	109	133.68	81.54	66.95	98.36
00BP	Oldham	30.7	Q14	B	881	533.88	165.02	154.30	176.29
39UD	Oswestry	17.1	Q26	F	65	95.00	68.42	52.81	87.21
38UC	Oxford	19.7	Q16	J	276	327.57	84.26	74.61	94.81
30UJ	Pendle	27.6	Q13	B	291	221.98	131.09	116.46	147.05
15UF	Penwith	29.0	Q21	K	339	168.01	201.77	180.86	224.44
00JA	Peterborough UA	23.4	Q01	G	644	376.15	171.21	158.24	184.96
00HG	Plymouth UA	26.2	Q21	K	674	590.71	114.10	105.65	123.05
00HP	Poole UA	14.3	Q22	K	445	366.07	121.56	110.53	133.40
00MR	Portsmouth UA	24.9	Q17	J	819	461.16	177.59	165.64	190.19
30UK	Preston	28.5	Q13	B	384	309.23	124.18	112.07	137.24
19UG	Purbeck	12.6	Q22	K	103	113.50	90.75	74.07	110.06
00MC	Reading UA	18.8	Q16	J	237	332.56	71.27	62.48	80.94
00BC	Redbridge	17.8	Q06	H	414	587.92	70.42	63.80	77.54
00EE	Redcar and Cleveland UA	30.6	Q10	A	445	335.48	132.64	120.60	145.56
47UD	Redditch	19.4	Q28	F	164	181.99	90.12	76.85	105.01
43UF	Reigate and Banstead	9.0	Q19	J	308	316.61	97.28	86.72	108.77

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
15UG	Restormel	23.9	Q21	K	457	248.09	184.20	167.70	201.89
30UL	Ribble Valley	10.3	Q13	B	132	135.09	97.71	81.76	115.88
00BD	Richmond upon Thames	9.7	Q08	H	372	431.11	86.29	77.74	95.52
36UE	Richmondshire	12.5	Q11	D	165	113.20	145.76	124.37	169.78
00BQ	Rochdale	33.7	Q14	B	514	496.26	103.57	94.81	112.93
22UL	Rochford	8.7	Q03	G	127	192.45	65.99	55.01	78.52
30UM	Rossendale	24.1	Q13	B	195	157.82	123.56	106.82	142.17
21UG	Rother	16.2	Q19	J	290	262.25	110.58	98.22	124.07
00CF	Rotherham	28.2	Q23	D	780	602.35	129.49	120.56	138.91
44UD	Rugby	13.6	Q28	F	141	216.82	65.03	54.74	76.69
43UG	Runnymede	7.8	Q19	J	151	193.59	78.00	66.06	91.48
37UJ	Rushcliffe	9.0	Q24	E	185	256.77	72.05	62.04	83.21
24UL	Rushmoor	10.4	Q17	J	182	202.01	90.09	77.48	104.18
00FP	Rutland UA	6.6	Q25	E	87	83.38	104.34	83.57	128.71
36UF	Ryedale	12.9	Q11	D	100	127.36	78.52	63.88	95.50
00BR	Salford	38.2	Q14	B	776	524.14	148.05	137.82	158.85
46UD	Salisbury	11.8	Q20	K	355	292.64	121.31	109.02	134.61
00CS	Sandwell	35.4	Q27	F	675	706.83	95.50	88.43	102.98
36UG	Scarborough	24.1	Q11	D	367	283.94	129.25	116.37	143.18
20UG	Sedgefield	29.1	Q10	A	224	203.64	110.00	96.06	125.39
40UC	Sedgemoor	17.4	Q22	K	231	271.75	85.00	74.39	96.70
00CA	Sefton	26.1	Q15	B	1010	717.07	140.85	132.30	149.81
36UH	Selby	13.1	Q11	D	128	182.63	70.09	58.47	83.34
29UK	Sevenoaks	9.6	Q18	J	231	274.81	84.06	73.57	95.63
00CG	Sheffield	28.4	Q23	D	1088	1269.36	85.71	80.69	90.96
29UL	Shepway	20.8	Q18	J	253	259.29	97.58	85.92	110.37
39UE	Shrewsbury and Atcham	15.7	Q26	F	260	236.62	109.88	96.93	124.08
00MD	Slough UA	20.9	Q16	J	209	267.82	78.04	67.82	89.37
00CT	Solihull	16.4	Q27	F	540	482.57	111.90	102.66	121.75
09UE	South Bedfordshire	12.3	Q02	G	188	264.87	70.98	61.19	81.88
11UE	South Bucks	8.1	Q16	J	144	155.25	92.76	78.22	109.20
12UG	South Cambridgeshire	6.4	Q01	G	321	311.94	102.90	91.95	114.80

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
17UK	South Derbyshire	14.8	Q24	E	203	193.55	104.88	90.95	120.35
00HD	South Gloucestershire UA	9.8	Q20	K	369	569.50	64.79	58.35	71.75
18UG	South Hams	14.2	Q21	K	216	209.61	103.05	89.76	117.75
32UF	South Holland	15.3	Q24	E	196	197.38	99.30	85.89	114.22
32UG	South Kesteven	12.2	Q24	E	327	305.63	106.99	95.71	119.24
16UG	South Lakeland	12.0	Q13	B	275	265.62	103.53	91.66	116.52
33UH	South Norfolk	10.7	Q01	G	224	279.14	80.25	70.08	91.47
34UG	South Northamptonshire	6.6	Q25	E	154	188.78	81.58	69.20	95.53
38UD	South Oxfordshire	7.7	Q16	J	223	310.86	71.74	62.63	81.80
30UN	South Ribble	14.0	Q13	B	317	246.53	128.59	114.82	143.55
39UF	South Shropshire	15.5	Q26	F	114	103.82	109.81	90.58	131.91
40UD	South Somerset	13.7	Q22	K	367	392.55	93.49	84.17	103.56
41UF	South Staffordshire	11.7	Q26	F	162	244.13	66.36	56.53	77.40
00CL	South Tyneside	33.1	Q09	A	425	369.11	115.14	104.45	126.63
00MS	Southampton UA	23.7	Q17	J	491	523.17	93.85	85.73	102.53
00KF	Southend-On-Sea UA	21.7	Q03	G	356	436.77	81.51	73.26	90.43
00BE	Southwark	35.4	Q07	H	532	565.28	94.11	86.28	102.46
43UH	Spelthorne	10.4	Q19	J	154	213.47	72.14	61.20	84.48
26UG	St. Albans	7.7	Q02	G	243	315.46	77.03	67.65	87.35
42UF	St. Edmundsbury	11.5	Q01	G	253	240.74	105.09	92.54	118.87
00BZ	St. Helens	32.0	Q15	B	605	417.13	145.04	133.71	157.07
41UG	Stafford	12.9	Q26	F	189	291.67	64.80	55.89	74.73
41UH	Staffordshire Moorlands	16.5	Q26	F	142	223.48	63.54	53.52	74.89
26UH	Stevenage	15.6	Q02	G	139	185.15	75.07	63.11	88.64
00BS	Stockport	18.1	Q14	B	861	697.10	123.51	115.40	132.05
00EF	Stockton-On-Tees UA	26.3	Q10	A	536	426.45	125.69	115.27	136.79
00GL	Stoke-On-Trent UA	35.3	Q26	F	433	578.75	74.82	67.93	82.21
44UE	Stratford-On-Avon	8.8	Q28	F	316	284.55	111.05	99.14	124.00
23UF	Stroud	10.2	Q20	K	179	273.45	65.46	56.22	75.79
42UG	Suffolk Coastal	11.5	Q01	G	266	304.16	87.46	77.26	98.62
00CM	Sunderland	34.2	Q09	A	836	649.75	128.66	120.09	137.69
43UJ	Surrey Heath	4.9	Q19	J	157	188.56	83.26	70.75	97.35

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
00BF	Sutton	13.3	Q08	H	355	438.87	80.89	72.69	89.76
29UM	Swale	20.9	Q18	J	302	297.09	101.65	90.51	113.79
00HX	Swindon UA	17.2	Q20	K	383	416.27	92.01	83.02	101.70
00BT	Tameside	29.8	Q14	B	716	516.33	138.67	128.70	149.21
41UK	Tamworth	19.7	Q26	F	143	166.88	85.69	72.22	100.94
43UK	Tandridge	8.3	Q19	J	178	200.73	88.68	76.13	102.70
40UE	Taunton Deane	16.3	Q22	K	237	272.29	87.04	76.31	98.86
20UH	Teesdale	16.4	Q10	A	53	59.13	89.63	67.14	117.25
18UH	Teignbridge	17.0	Q21	K	353	329.42	107.16	96.27	118.94
00GF	Telford and Wrekin UA	21.8	Q26	F	413	369.87	111.66	101.15	122.97
22UN	Tendring	23.1	Q03	G	209	399.30	52.34	45.49	59.94
24UN	Test Valley	8.7	Q17	J	204	268.04	76.11	66.02	87.30
23UG	Tewkesbury	10.1	Q20	K	167	193.91	86.12	73.55	100.22
29UN	Thanet	25.6	Q18	J	439	350.63	125.20	113.76	137.48
26UJ	Three Rivers	9.4	Q02	G	142	212.40	66.86	56.31	78.80
00KG	Thurrock UA	21.2	Q03	G	240	340.47	70.49	61.85	80.00
29UP	Tonbridge and Malling	9.6	Q18	J	218	261.32	83.42	72.71	95.26
00HH	Torbay UA	23.7	Q21	K	480	367.54	130.60	119.17	142.82
18UK	Torridge	21.4	Q21	K	161	155.20	103.74	88.33	121.06
00BG	Tower Hamlets	45.9	Q06	H	494	453.88	108.84	99.45	118.87
00BU	Trafford	20.2	Q14	B	503	513.74	97.91	89.54	106.85
29UQ	Tunbridge Wells	10.5	Q18	J	237	264.92	89.46	78.43	101.60
35UF	Tynedale	15.5	Q09	A	144	147.77	97.45	82.18	114.73
22UQ	Uttlesford	6.7	Q03	G	125	165.95	75.32	62.70	89.75
38UE	Vale of White Horse	6.9	Q16	J	186	275.16	67.60	58.23	78.04
13UH	Vale Royal	17.1	Q15	B	263	296.59	88.67	78.28	100.06
00DB	Wakefield	29.1	Q12	D	690	755.92	91.28	84.60	98.35
00CU	Walsall	29.4	Q27	F	651	619.66	105.06	97.14	113.45
00BH	Waltham Forest	30.2	Q06	H	509	521.57	97.59	89.29	106.45
00BJ	Wandsworth	20.9	Q08	H	639	614.69	103.95	96.05	112.34
35UG	Wansbeck	30.5	Q09	A	174	146.28	118.95	101.93	138.00
00EU	Warrington UA	19.4	Q15	B	795	449.42	176.89	164.81	189.63

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Females				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				120962	120962.00	100.00	0.00	0.00
44UF	Warwick	12.6	Q28	F	430	315.46	136.31	123.73	149.82
26UK	Watford	14.5	Q02	G	142	190.09	74.70	62.92	88.05
42UH	Waveney	21.8	Q01	G	240	301.33	79.65	69.89	90.39
43UL	Waverley	6.2	Q19	J	290	302.34	95.92	85.20	107.62
21UH	Wealden	9.4	Q19	J	277	377.76	73.33	64.94	82.49
20UJ	Wear Valley	32.6	Q10	A	136	155.47	87.47	73.39	103.47
34UH	Wellingborough	17.5	Q25	E	98	171.26	57.22	46.45	69.74
26UL	Welwyn Hatfield	12.6	Q02	G	186	245.00	75.92	65.40	87.65
00MB	West Berkshire UA	7.9	Q16	J	205	333.10	61.54	53.41	70.57
18UL	West Devon	16.3	Q21	K	117	127.19	91.99	76.08	110.25
19UH	West Dorset	13.3	Q22	K	255	260.20	98.00	86.34	110.80
30UP	West Lancashire	21.1	Q13	B	325	257.92	126.01	112.68	140.48
32UH	West Lindsey	17.7	Q24	E	247	196.34	125.80	110.60	142.51
38UF	West Oxfordshire	6.3	Q16	J	171	235.46	72.62	62.14	84.36
40UF	West Somerset	22.1	Q22	K	74	100.19	73.86	57.99	92.73
46UF	West Wiltshire	12.0	Q20	K	275	303.93	90.48	80.10	101.83
00BK	Westminster	31.7	Q04	H	445	470.06	94.67	86.08	103.89
19UJ	Weymouth and Portland	21.2	Q22	K	213	166.91	127.61	111.05	145.95
00BW	Wigan	29.3	Q14	B	776	702.77	110.42	102.79	118.47
24UP	Winchester	7.0	Q17	J	262	272.49	96.15	84.86	108.52
00ME	Windsor and Maidenhead UA	8.2	Q16	J	271	322.92	83.92	74.23	94.53
00CB	Wirral	30.1	Q15	B	1265	808.58	156.45	147.94	165.31
43UM	Woking	7.3	Q19	J	211	218.65	96.50	83.92	110.44
00MF	Wokingham UA	5.1	Q16	J	180	335.17	53.70	46.14	62.15
00CW	Wolverhampton	32.2	Q27	F	435	581.37	74.82	67.96	82.20
47UE	Worcester	17.7	Q28	F	208	223.88	92.91	80.71	106.43
45UH	Worthing	15.7	Q19	J	313	301.39	103.85	92.66	116.02
47UF	Wychavon	11.3	Q28	F	192	274.66	69.90	60.36	80.52
11UF	Wycombe	9.7	Q16	J	363	383.78	94.59	85.10	104.83
30UQ	Wyre	17.8	Q13	B	183	279.17	65.55	56.40	75.77
47UG	Wyre Forest	17.8	Q28	F	162	234.20	69.17	58.93	80.68
00FF	York UA	14.5	Q11	D	364	450.41	80.82	72.73	89.56

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval		SAR
Carrick	187.62	224.42	205.40
Penwith	180.86	224.44	201.77
Kerrier	171.57	207.02	188.67
Restormel	167.70	201.89	184.20
Liverpool	172.46	188.83	180.51
Portsmouth UA	165.64	190.19	177.59
Warrington UA	164.81	189.63	176.89
Halton UA	160.65	192.42	176.00
Peterborough UA	158.24	184.96	171.21
Middlesborough UA	156.43	184.88	170.21
Oldham	154.30	176.29	165.02
Burnley	147.70	182.38	164.36
Havant	149.76	179.65	164.19
Lincoln	145.99	180.99	162.79
Hambleton	143.26	178.73	160.26
Derwentside	142.07	176.76	158.71
Wirral	147.94	165.31	156.45
Salford	137.82	158.85	148.05
Knowsley	134.65	160.18	147.00
Copeland	128.03	166.05	146.12
Richmondshire	124.37	169.78	145.76
St. Helens	133.71	157.07	145.04
Sefton	132.30	149.81	140.85
Hastings	125.83	157.09	140.81
Barrow-In-Furness	123.56	159.12	140.50
North Cornwall	124.25	156.52	139.69
Tameside	128.70	149.21	138.67
North East Lincolnshire UA	126.67	150.23	138.08
Durham	121.54	154.45	137.26
Warwick	123.73	149.82	136.31
Gosport	120.14	153.80	136.20
Chester-Le-Street	115.10	156.83	134.77
Manchester	127.72	142.07	134.75
Redcar and Cleveland UA	120.60	145.56	132.64
Kings Lynn and West Norfolk	120.46	144.88	132.25
North Devon	117.18	147.44	131.66
Pendle	116.46	147.05	131.09
Carlisle	117.01	145.88	130.85
Torbay UA	119.17	142.82	130.60
Fenland	115.66	146.78	130.53
Islington	118.95	141.95	130.07
Rotherham	120.56	138.91	129.49
Scarborough	116.37	143.18	129.25
Sunderland	120.09	137.69	128.66
South Ribble	114.82	143.55	128.59
Derby UA	118.90	137.73	128.06
Weymouth and Portland	111.05	145.95	127.61
Allerdale	112.72	142.27	126.85
Leeds	121.51	132.14	126.74
Cambridge	113.43	141.03	126.67
Doncaster	118.05	135.03	126.33
West Lancashire	112.68	140.48	126.01
West Lindsey	110.60	142.51	125.80
Stockton-On-Tees UA	115.27	136.79	125.69
Thanet	113.76	137.48	125.20
Hyndburn	110.06	141.45	125.02
Macclesfield	113.72	136.63	124.78
Kingston upon Hull, City of UA	115.49	133.71	124.35

Head Injuries :**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Females**

Local authority	95% Confidence interval		SAR
Preston	112.07	137.24	124.18
Fareham	111.04	138.39	124.15
Blackburn with Darwen UA	112.05	135.93	123.56
Rossendale	106.82	142.17	123.56
Stockport	115.40	132.05	123.51
Camden	113.50	134.04	123.45
Bury	113.00	134.01	123.17
Hammersmith and Fulham	111.83	134.39	122.73
Chichester	110.00	135.66	122.33
Mansfield	108.49	137.21	122.22
Darlington UA	108.34	136.25	121.70
Poole UA	110.53	133.40	121.56
Salisbury	109.02	134.61	121.31
Gateshead	110.19	130.42	119.99
Hackney	110.33	130.15	119.93
Wansbeck	101.93	138.00	118.95
Bath and North East Somerset	108.49	129.38	118.59
Arun	108.12	128.98	118.20
Cotswold	102.58	132.45	116.80
Canterbury	105.33	127.67	116.10
East Cambridgeshire	100.55	132.41	115.67
Harrogate	104.87	126.60	115.35
South Tyneside	104.45	126.63	115.14
Norwich	103.47	127.76	115.13
Ipswich	102.89	127.81	114.84
Lancaster	103.51	126.33	114.50
Eden	96.13	134.69	114.21
Plymouth UA	105.65	123.05	114.10
North Kesteven	100.52	128.08	113.68
High Peak	99.85	128.66	113.58
Bassetlaw	100.15	126.62	112.81
Barnsley	103.27	121.55	112.13
Solihull	102.66	121.75	111.90
East Hampshire	99.49	125.13	111.76
Telford and Wrekin UA	101.15	122.97	111.66
Stratford-On-Avon	99.14	124.00	111.05
Birmingham	106.89	115.23	111.00
Guildford	99.30	122.99	110.68
Rother	98.22	124.07	110.58
Wigan	102.79	118.47	110.42
Lewisham	101.81	119.21	110.26
Sedgefield	96.06	125.39	110.00
Shrewsbury and Atcham	96.93	124.08	109.88
South Shropshire	90.58	131.91	109.81
Milton Keynes UA	100.50	119.48	109.68
Chesterfield	96.86	123.65	109.65
Easington	95.83	123.87	109.18
Tower Hamlets	99.45	118.87	108.84
Chorley	95.56	122.75	108.52
Nottingham UA	99.65	115.91	107.55
East Lindsey	96.62	119.31	107.52
Teignbridge	96.27	118.94	107.16
South Kesteven	95.71	119.24	106.99
East Devon	96.24	117.53	106.49
Leicester UA	98.43	113.91	105.96
Blackpool UA	95.16	116.51	105.43
Alnwick	83.51	130.71	105.17
St. Edmundsbury	92.54	118.87	105.09

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Females

Local authority	95% Confidence interval		SAR
Walsall	97.14	113.45	105.06
South Derbyshire	90.95	120.35	104.88
North Tyneside	95.61	114.28	104.63
Exeter	92.80	117.08	104.42
Rutland UA	83.57	128.71	104.34
Wandsworth	96.05	112.34	103.95
Worthing	92.66	116.02	103.85
Torridge	88.33	121.06	103.74
Hillingdon	95.67	112.25	103.71
Rochdale	94.81	112.93	103.57
South Lakeland	91.66	116.52	103.53
Erewash	91.62	116.42	103.47
Cheltenham	91.67	115.85	103.23
South Hams	89.76	117.75	103.05
Boston	86.96	121.11	102.99
South Cambridgeshire	91.95	114.80	102.90
Ellesmere Port and Neston	88.46	117.56	102.24
Bolton	94.17	110.01	101.86
North Wiltshire	90.63	113.73	101.69
Swale	90.51	113.79	101.65
Dartford	87.91	116.01	101.24
Derbyshire Dales	86.64	117.09	101.01
Forest Heath	84.70	118.82	100.69
Crewe and Nantwich	88.30	112.36	99.79
Lambeth	91.54	108.08	99.55
Eastbourne	88.21	111.94	99.55
South Holland	85.89	114.22	99.30
Congleton	86.24	113.20	99.04
Bolsover	84.62	114.66	98.79
Bromley	91.44	105.73	98.39
West Dorset	86.34	110.80	98.00
Mid Devon	84.10	113.46	97.97
Ashfield	86.47	110.48	97.93
Trafford	89.54	106.85	97.91
Ribble Valley	81.76	115.88	97.71
Waltham Forest	89.29	106.45	97.59
Shepway	85.92	110.37	97.58
Tynedale	82.18	114.73	97.45
Reigate and Banstead	86.72	108.77	97.28
North Lincolnshire UA	87.35	107.64	97.10
Medway UA	89.18	105.37	97.02
Dover	85.46	109.29	96.83
Northampton	87.97	106.13	96.74
Woking	83.92	110.44	96.50
Bradford	90.90	102.14	96.40
Kennet	82.52	111.62	96.25
Crawley	83.98	109.68	96.19
Winchester	84.86	108.52	96.15
Waverley	85.20	107.62	95.92
Hartlepool UA	83.05	109.67	95.67
Sandwell	88.43	102.98	95.50
Calderdale	86.61	104.29	95.14
North Dorset	80.20	111.19	94.75
Westminster	86.08	103.89	94.67
Wycombe	85.10	104.83	94.59
Epsom and Ewell	80.44	109.92	94.32
East Riding of Yorkshire UA	87.61	101.31	94.27
Southwark	86.28	102.46	94.11

Head Injuries :**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Females**

Local authority	95% Confidence interval		SAR
Blyth Valley	80.63	108.87	93.96
Southampton UA	85.73	102.53	93.85
Adur	79.27	109.78	93.61
South Somerset	84.17	103.56	93.49
North East Derbyshire	81.15	106.65	93.25
Worcester	80.71	106.43	92.91
South Bucks	78.22	109.20	92.76
Kingston upon Thames	82.82	103.11	92.55
Newcastle upon Tyne	85.09	100.03	92.33
Amber Valley	81.55	104.10	92.31
Harlow	78.73	107.18	92.14
Swindon UA	83.02	101.70	92.01
Aylesbury Vale	82.66	102.13	92.01
West Devon	76.08	110.25	91.99
Huntingdonshire	82.38	102.36	91.97
Bridgnorth	75.72	110.66	91.97
Ashford	80.55	104.30	91.85
Craven	76.44	108.94	91.62
Babergh	79.04	105.43	91.53
Wakefield	84.60	98.35	91.28
Chiltern	79.11	104.75	91.26
Purbeck	74.07	110.06	90.75
West Wiltshire	80.10	101.83	90.48
Caradon	77.58	104.22	90.17
Redditch	76.85	105.01	90.12
Rushmoor	77.48	104.18	90.09
North West Leicestershire	77.22	103.48	89.64
Teesdale	67.14	117.25	89.63
Tunbridge Wells	78.43	101.60	89.46
North Somerset UA	80.97	97.76	89.07
Newark and Sherwood	77.99	101.03	88.96
Hertsmere	77.23	101.64	88.82
East Staffordshire	77.50	101.16	88.75
Tandridge	76.13	102.70	88.68
Vale Royal	78.28	100.06	88.67
Hounslow	80.38	97.47	88.62
Charnwood	78.89	98.56	88.32
Brighton and Hove UA	80.87	95.68	88.04
Wear Valley	73.39	103.47	87.47
Suffolk Coastal	77.26	98.62	87.46
Malvern Hills	74.59	101.73	87.38
Daventry	73.77	102.63	87.32
Mole Valley	74.97	100.97	87.25
Taunton Deane	76.31	98.86	87.04
Breckland	76.48	97.58	86.55
Basingstoke and Deane	76.88	96.58	86.31
Richmond upon Thames	77.74	95.52	86.29
Gravesham	74.55	99.22	86.23
Tewkesbury	73.55	100.22	86.12
North Norfolk	75.15	97.80	85.92
Sheffield	80.69	90.96	85.71
Tamworth	72.22	100.94	85.69
Horsham	75.57	96.65	85.63
Sedgemoor	74.39	96.70	85.00
Bedford	75.06	94.40	84.32
Oxford	74.61	94.81	84.26
Sevenoaks	73.57	95.63	84.06
Windsor and Maidenhead UA	74.23	94.53	83.92

Head Injuries :**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Females**

Local authority	95% Confidence interval		SAR
Herefordshire, County of UA	75.47	92.78	83.79
Mendip	72.83	95.24	83.48
Tonbridge and Malling	72.71	95.26	83.42
Surrey Heath	70.75	97.35	83.26
Gedling	72.63	94.92	83.22
Cherwell	73.32	93.77	83.08
Isle of Wight UA	73.88	92.85	82.96
Bournemouth UA	74.39	91.40	82.57
Bristol, City of UA	76.67	88.32	82.34
Mid Suffolk	70.38	95.37	82.17
Merton	73.82	90.83	82.00
South Northamptonshire	69.20	95.53	81.58
Castle Point	69.64	94.89	81.54
Oadby and Wigston	66.95	98.36	81.54
Southend-On-Sea UA	73.26	90.43	81.51
Corby	66.04	99.14	81.35
North Shropshire	67.08	97.37	81.18
Sutton	72.69	89.76	80.89
Epping Forest	71.02	91.75	80.89
York UA	72.73	89.56	80.82
Elmbridge	71.13	91.19	80.70
Great Yarmouth	69.55	93.06	80.67
Braintree	71.19	90.96	80.62
Castle Morpeth	64.91	98.53	80.42
South Norfolk	70.08	91.47	80.25
Waveney	69.89	90.39	79.65
Eastleigh	69.29	90.72	79.47
Melton	63.64	97.06	79.05
Broadland	69.08	89.65	78.87
Ryedale	63.88	95.50	78.52
East Dorset	67.13	90.56	78.19
Haringey	70.54	86.36	78.15
Slough UA	67.82	89.37	78.04
Runnymede	66.06	91.48	78.00
Lewes	67.34	89.36	77.77
Gloucester	67.25	88.74	77.44
Broxtowe	66.89	88.96	77.34
Coventry	70.99	83.87	77.23
St. Albans	67.65	87.35	77.03
Blaby	65.38	89.69	76.82
Croydon	70.51	82.82	76.48
Chelmsford	67.79	85.84	76.42
Test Valley	66.02	87.30	76.11
Chester	66.28	86.61	75.94
Welwyn Hatfield	65.40	87.65	75.92
Maldon	61.98	91.39	75.63
Kensington and Chelsea	67.11	84.67	75.51
Bracknell Forest UA	65.04	87.02	75.43
Uttlesford	62.70	89.75	75.32
Stevenage	63.11	88.64	75.07
Kirklees	69.63	80.71	75.02
Wolverhampton	67.96	82.20	74.82
Stoke-On-Trent UA	67.93	82.21	74.82
Ealing	68.35	81.55	74.73
Watford	62.92	88.05	74.70
West Somerset	57.99	92.73	73.86
Newham	66.96	81.23	73.84
Greenwich	66.75	81.41	73.81

Head Injuries :**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Females**

Local authority	95% Confidence interval		SAR
Dacorum	64.82	83.66	73.79
Barnet	67.66	79.64	73.47
Wealden	64.94	82.49	73.33
West Oxfordshire	62.14	84.36	72.62
Fylde	61.11	85.22	72.42
New Forest	64.64	80.37	72.18
East Hertfordshire	62.98	82.35	72.18
Spelthorne	61.20	84.48	72.14
Rushcliffe	62.04	83.21	72.05
Basildon	63.89	80.80	71.98
South Oxfordshire	62.63	81.80	71.74
Forest of Dean	60.22	84.37	71.54
Reading UA	62.48	80.94	71.27
Hart	59.80	84.20	71.22
South Bedfordshire	61.19	81.88	70.98
Lichfield	60.04	82.79	70.74
Thurrock UA	61.85	80.00	70.49
Berwick-upon-Tweed	51.78	93.73	70.48
Redbridge	63.80	77.54	70.42
Selby	58.47	83.34	70.09
Barking and Dagenham	62.26	78.52	70.04
Wychavon	60.36	80.52	69.90
Broxbourne	58.38	81.89	69.40
Dudley	63.34	75.57	69.25
Wyre Forest	58.93	80.68	69.17
North Hertfordshire	59.98	79.26	69.12
Luton UA	60.88	76.85	68.52
Oswestry	52.81	87.21	68.42
Vale of White Horse	58.23	78.04	67.60
Three Rivers	56.31	78.80	66.86
Bexley	59.83	73.83	66.56
South Staffordshire	56.53	77.40	66.36
Rochford	55.01	78.52	65.99
Maidstone	57.54	75.20	65.93
Mid Bedfordshire	56.67	75.95	65.78
Mid Sussex	57.13	75.29	65.74
Wyre	56.40	75.77	65.55
Stroud	56.22	75.79	65.46
North Warwickshire	52.59	79.83	65.16
Rugby	54.74	76.69	65.03
Stafford	55.89	74.73	64.80
South Gloucestershire UA	58.35	71.75	64.79
Hinckley and Bosworth	54.73	75.47	64.48
Bromsgrove	54.16	76.06	64.42
Enfield	58.01	70.17	63.88
Staffordshire Moorlands	53.52	74.89	63.54
East Northamptonshire	52.56	75.58	63.30
Harborough	52.32	75.82	63.26
Havering	56.49	69.92	62.94
Newcastle-under-Lyme	53.53	71.92	62.22
Brent	55.52	68.33	61.68
West Berkshire UA	53.41	70.57	61.54
Nuneaton and Bedworth	52.69	71.33	61.48
Cannock Chase	51.12	72.65	61.18
Brentwood	49.67	73.37	60.66
Kettering	49.93	71.57	60.03
Colchester	52.22	68.04	59.74
Wellingborough	46.45	69.74	57.22

Head Injuries :

**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, Females**

Local authority	95% Confidence interval		SAR
Wokingham UA	46.14	62.15	53.70
Christchurch	41.87	67.63	53.61
Tendring	45.49	59.94	52.34
Harrow	46.01	58.81	52.11

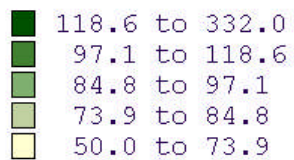
Head Injuries: FCE1s: males and females

Standardised Admission Ratio: each local authority in England

Principal diagnosis: 2002/03 to 2004/05

S00.0-S09.9

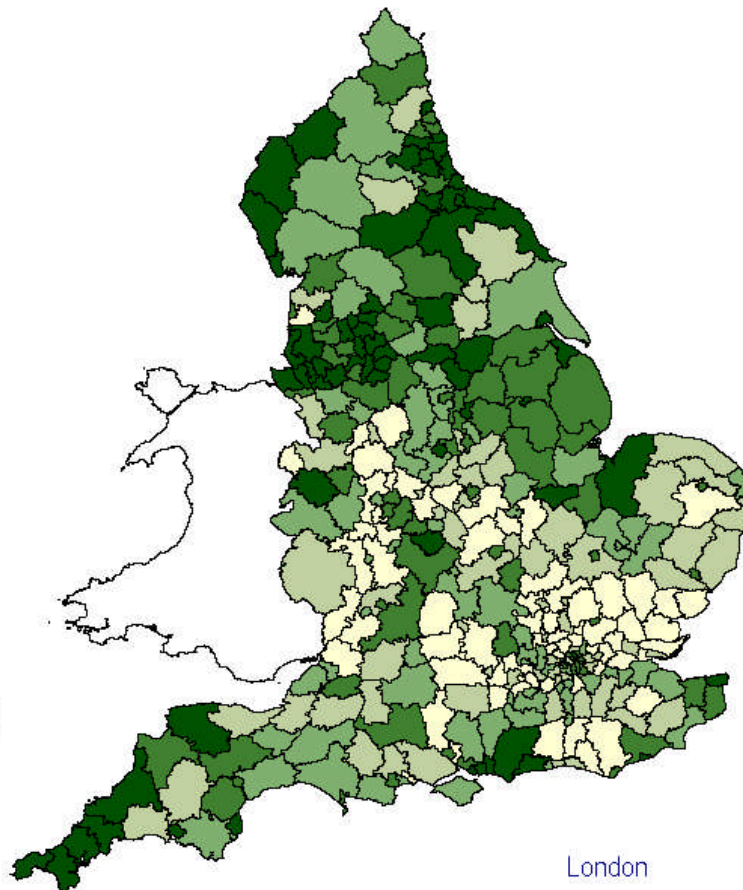
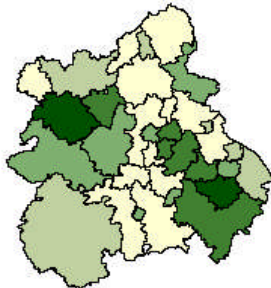
Quintile range of SAR



Manchester



West Midlands

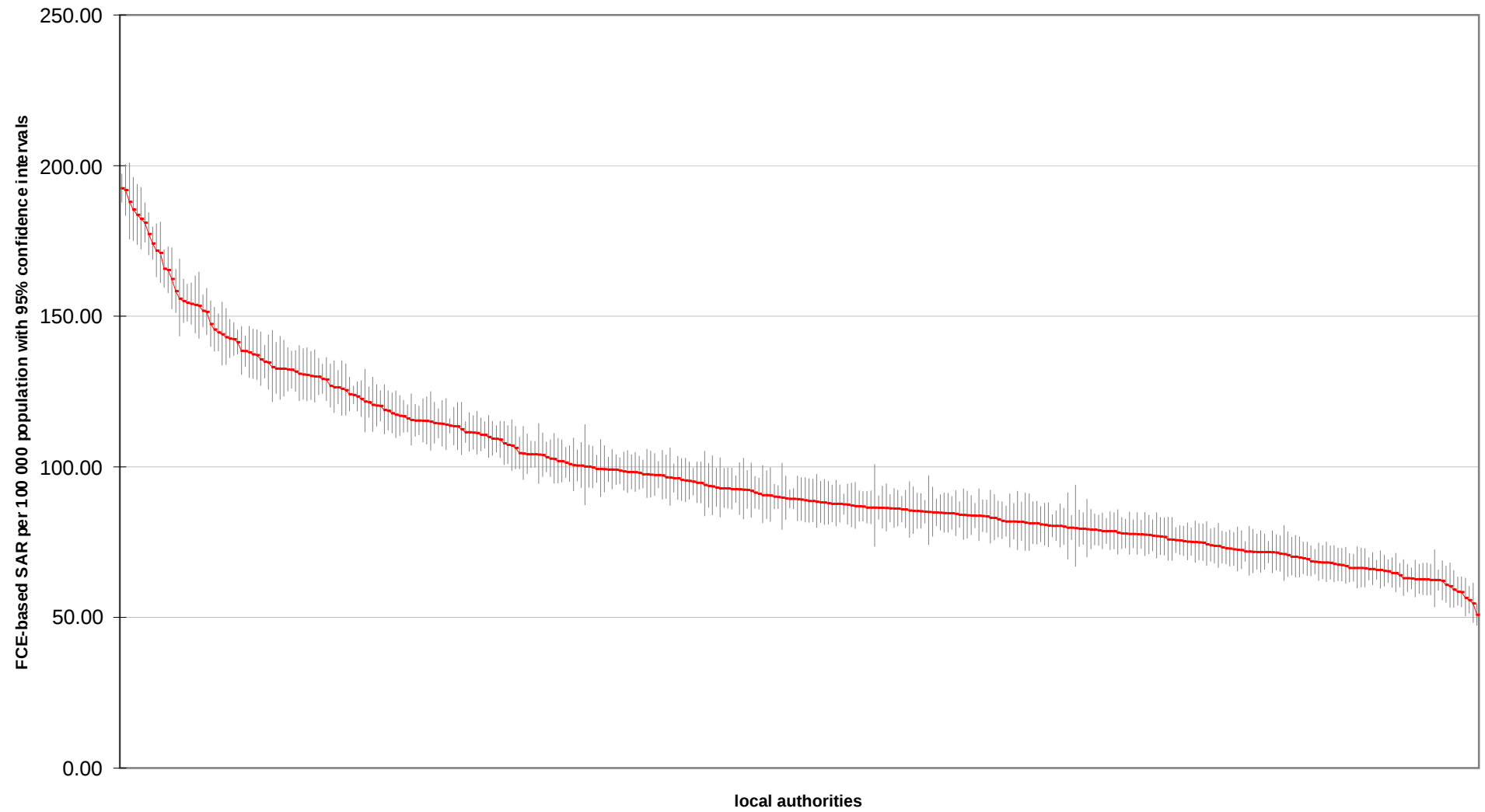


London

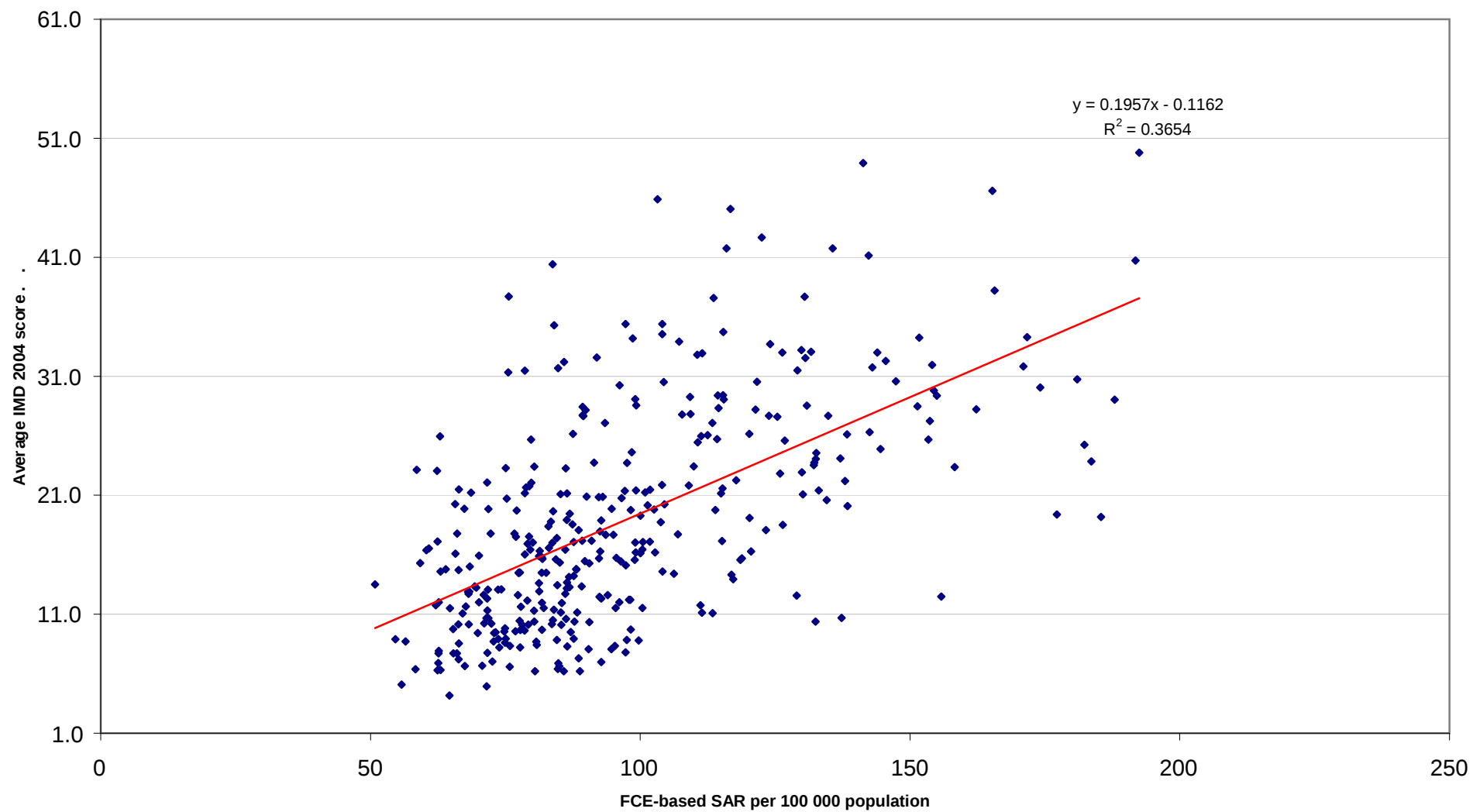


This work is based on data provided through EDINA UKBORDERS with the support of the ESRC and JISC and uses boundary material which is copyright of the Crown.

Head Injuries : FCE-based SAR per 100 000 population for each local authority, both sexes



Head Injuries : average IMD score plotted against the FCE-based SAR for each local authority, both sexes



HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
45UB	Adur	17.0	Q19	J	372	444.25	83.74	75.44	92.69
16UB	Allerdale	22.9	Q13	B	873	671.70	129.97	121.49	138.88
35UB	Alnwick	16.1	Q09	A	224	223.90	100.04	87.37	114.04
17UB	Amber Valley	18.9	Q24	E	785	846.08	92.78	86.40	99.51
45UC	Arun	15.6	Q19	J	1287	1085.34	118.58	112.19	125.24
37UB	Ashfield	27.8	Q24	E	877	813.96	107.74	100.73	115.12
29UB	Ashford	13.4	Q18	J	656	775.21	84.62	78.27	91.35
11UB	Aylesbury Vale	8.3	Q16	J	1043	1206.14	86.47	81.31	91.89
42UB	Babergh	11.3	Q01	G	487	606.23	80.33	73.36	87.80
00AB	Barking and Dagenham	31.3	Q06	H	961	1272.15	75.54	70.84	80.47
00AC	Barnet	16.1	Q05	H	1616	2458.60	65.73	62.56	69.01
00CC	Barnsley	33.0	Q23	D	2002	1584.70	126.33	120.86	131.99
16UC	Barrow-In-Furness	33.0	Q13	B	742	515.45	143.95	133.78	154.69
22UB	Basildon	20.7	Q03	G	918	1219.48	75.28	70.49	80.31
24UB	Basingstoke and Deane	8.8	Q17	J	938	1109.30	84.56	79.23	90.15
37UC	Bassetlaw	25.7	Q24	E	890	779.08	114.24	106.85	122.00
00HA	Bath and North East Somerset UA	12.2	Q20	K	1254	1280.63	97.92	92.58	103.49
09UD	Bedford	17.5	Q02	G	880	1108.25	79.40	74.24	84.83
35UC	Berwick-upon-Tweed	21.2	Q09	A	161	186.33	86.41	73.57	100.83
00AD	Bexley	15.0	Q07	H	1101	1609.52	68.41	64.42	72.57
00CN	Birmingham	37.6	Q27	F	8773	7722.83	113.60	111.23	116.00
31UB	Blaby	8.7	Q25	E	526	651.54	80.73	73.98	87.94
00EX	Blackburn with Darwen UA	32.3	Q13	B	1551	1065.79	145.53	138.37	152.95
00EY	Blackpool UA	33.9	Q13	B	1117	1041.72	107.23	101.03	113.70
35UD	Blyth Valley	26.1	Q09	A	654	581.45	112.48	104.02	121.44
17UC	Bolsover	30.5	Q24	E	549	526.16	104.34	95.79	113.44
00BL	Bolton	29.4	Q14	B	2244	1945.73	115.33	110.61	120.20
32UB	Boston	21.9	Q24	E	427	410.39	104.05	94.41	114.40
00HN	Bournemouth UA	23.7	Q22	K	1162	1271.09	91.42	86.24	96.83
00MA	Bracknell Forest UA	8.6	Q16	J	605	807.53	74.92	69.07	81.14
00CX	Bradford	32.9	Q12	D	4074	3653.97	111.50	108.10	114.97
22UC	Braintree	13.2	Q03	G	684	982.58	69.61	64.49	75.03

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
33UB	Breckland	14.5	Q01	G	744	901.24	82.55	76.73	88.70
00AE	Brent	26.0	Q04	H	1263	2007.86	62.90	59.48	66.47
22UD	Brentwood	8.9	Q03	G	274	501.81	54.60	48.33	61.47
39UB	Bridgnorth	12.3	Q26	F	349	376.11	92.79	83.31	103.06
00ML	Brighton and Hove UA	25.7	Q19	J	1525	1912.20	79.75	75.80	83.86
00HB	Bristol, City of UA	27.7	Q20	K	2691	3012.13	89.34	85.99	92.78
33UC	Broadland	9.6	Q01	G	671	853.91	78.58	72.75	84.76
00AF	Bromley	13.2	Q07	H	1897	2195.56	86.40	82.56	90.38
47UB	Bromsgrove	10.1	Q28	F	424	639.51	66.30	60.14	72.92
26UB	Broxbourne	14.7	Q02	G	416	626.94	66.35	60.13	73.05
37UD	Broxtowe	16.0	Q24	E	610	775.95	78.61	72.50	85.11
30UD	Burnley	31.8	Q13	B	1124	657.23	171.02	161.17	181.32
00BM	Bury	23.5	Q14	B	1749	1323.44	132.16	126.03	138.50
00CY	Calderdale	25.4	Q12	D	1570	1418.76	110.66	105.25	116.27
12UB	Cambridge	14.6	Q01	G	957	918.90	104.15	97.65	110.96
00AG	Camden	34.7	Q05	H	1838	1593.13	115.37	110.16	120.77
41UB	Cannock Chase	20.3	Q26	F	439	668.38	65.68	59.68	72.12
29UC	Canterbury	16.2	Q18	J	1105	1075.67	102.73	96.76	108.97
15UB	Caradon	18.4	Q21	K	477	574.72	83.00	75.72	90.79
16UD	Carlisle	22.2	Q13	B	1017	737.09	137.97	129.62	146.72
15UC	Carrick	19.2	Q21	K	1224	660.22	185.39	175.15	196.08
35UE	Castle Morpeth	15.8	Q09	A	282	344.95	81.75	72.49	91.87
22UE	Castle Point	12.7	Q03	G	420	616.14	68.17	61.80	75.01
31UC	Charnwood	12.1	Q25	E	917	1159.75	79.07	74.03	84.36
22UF	Chelmsford	8.6	Q03	G	762	1147.89	66.38	61.75	71.27
23UB	Cheltenham	14.4	Q20	K	885	833.01	106.24	99.36	113.48
38UB	Cherwell	11.2	Q16	J	827	969.99	85.26	79.55	91.27
13UB	Chester	17.0	Q15	B	695	867.66	80.10	74.26	86.28
17UD	Chesterfield	27.1	Q24	E	816	719.86	113.36	105.71	121.41
20UB	Chester-Le-Street	21.4	Q10	A	496	372.68	133.09	121.63	145.34
45UD	Chichester	10.7	Q19	J	1095	797.39	137.32	129.31	145.70
11UC	Chiltern	6.2	Q16	J	566	637.22	88.82	81.65	96.45

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
30UE	Chorley	17.2	Q13	B	833	723.26	115.17	107.48	123.27
19UC	Christchurch	12.6	Q22	K	240	338.16	70.97	62.28	80.54
22UG	Colchester	14.6	Q03	G	742	1178.53	62.96	58.51	67.66
13UC	Congleton	9.5	Q15	B	564	647.30	87.13	80.09	94.63
16UE	Copeland	25.7	Q13	B	760	495.37	153.42	142.70	164.73
34UB	Corby	27.1	Q25	E	358	382.95	93.48	84.05	103.69
23UC	Cotswold	8.8	Q20	K	574	588.59	97.52	89.71	105.84
00CQ	Coventry	28.2	Q28	F	2096	2331.90	89.88	86.08	93.82
36UB	Craven	11.9	Q11	D	332	388.55	85.45	76.50	95.15
45UE	Crawley	14.8	Q19	J	653	740.74	88.16	81.52	95.18
13UD	Crewe and Nantwich	17.1	Q15	B	828	813.46	101.79	94.97	108.96
00AH	Croydon	19.9	Q08	H	1802	2507.78	71.86	68.58	75.25
26UC	Dacorum	9.5	Q02	G	735	1004.12	73.20	68.00	78.69
00EH	Darlington UA	24.6	Q10	A	952	717.77	132.63	124.34	141.33
29UD	Dartford	17.2	Q18	J	565	633.12	89.24	82.03	96.91
34UC	Daventry	10.2	Q25	E	383	528.80	72.43	65.35	80.06
00FK	Derby UA	27.7	Q24	E	2373	1759.89	134.84	129.47	140.38
17UF	Derbyshire Dales	12.5	Q24	E	454	491.13	92.44	84.13	101.35
20UD	Derwentside	28.2	Q10	A	997	614.31	162.30	152.38	172.69
00CE	Doncaster	31.5	Q23	D	2701	2091.81	129.12	124.30	134.09
29UE	Dover	18.7	Q18	J	801	771.46	103.83	96.76	111.28
00CR	Dudley	22.1	Q27	F	1573	2196.10	71.63	68.13	75.26
20UE	Durham	18.5	Q10	A	841	665.26	126.42	118.02	135.26
00AJ	Ealing	23.4	Q04	H	1829	2275.83	80.37	76.72	84.14
20UF	Easington	41.8	Q10	A	906	667.82	135.67	126.97	144.79
12UC	East Cambridgeshire	10.6	Q01	G	477	553.05	86.25	78.68	94.35
18UB	East Devon	12.7	Q21	K	821	953.53	86.10	80.31	92.20
19UD	East Dorset	8.2	Q22	K	478	614.97	77.73	70.91	85.02
24UC	East Hampshire	8.1	Q17	J	757	799.84	94.64	88.02	101.63
26UD	East Hertfordshire	6.3	Q02	G	587	940.19	62.43	57.48	67.70
32UC	East Lindsey	24.6	Q24	E	931	945.71	98.44	92.22	104.98
34UD	East Northamptonshire	11.8	Q25	E	360	579.76	62.09	55.84	68.85

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
00FB	East Riding of Yorkshire UA	15.3	Q11	D	1940	2280.36	85.07	81.33	88.95
41UC	East Staffordshire	18.5	Q26	F	669	765.25	87.42	80.92	94.31
21UC	Eastbourne	21.5	Q19	J	734	720.70	101.85	94.61	109.49
24UD	Eastleigh	8.9	Q17	J	618	838.39	73.71	68.01	79.76
16UF	Eden	15.7	Q13	B	332	359.50	92.35	82.68	102.84
13UE	Ellesmere Port and Neston	19.8	Q15	B	596	581.01	102.58	94.51	111.16
43UB	Elmbridge	7.0	Q19	J	673	927.20	72.58	67.20	78.28
00AK	Enfield	23.1	Q05	H	1313	2106.73	62.32	59.00	65.79
22UH	Epping Forest	13.3	Q03	G	610	879.83	69.33	63.94	75.06
43UC	Epsom and Ewell	6.9	Q19	J	425	500.95	84.84	76.96	93.30
17UG	Erewash	19.3	Q24	E	797	796.82	100.02	93.20	107.21
18UC	Exeter	21.6	Q21	K	1007	873.74	115.25	108.24	122.60
24UE	Fareham	7.8	Q17	J	760	781.09	97.30	90.50	104.47
12UD	Fenland	19.8	Q01	G	703	616.98	113.94	105.67	122.69
42UC	Forest Heath	11.1	Q01	G	394	446.03	88.34	79.83	97.50
23UD	Forest of Dean	15.9	Q20	K	403	574.92	70.10	63.42	77.29
30UF	Fylde	13.1	Q13	B	390	543.53	71.75	64.81	79.24
00CH	Gateshead	33.2	Q09	A	1791	1378.84	129.89	123.94	136.05
37UE	Gedling	16.4	Q24	E	687	797.74	86.12	79.80	92.81
23UE	Gloucester	19.9	Q20	K	773	816.40	94.68	88.13	101.60
24UF	Gosport	16.3	Q17	J	694	575.85	120.52	111.72	129.83
29UG	Gravesham	18.1	Q18	J	611	689.65	88.60	81.71	95.91
33UD	Great Yarmouth	27.7	Q01	G	601	671.64	89.48	82.47	96.93
00AL	Greenwich	31.5	Q07	H	1345	1710.86	78.62	74.47	82.93
43UD	Guildford	8.3	Q19	J	927	972.59	95.31	89.28	101.65
00AM	Hackney	45.1	Q06	H	1876	1607.29	116.72	111.50	122.12
00ET	Halton UA	34.3	Q15	B	1477	860.11	171.72	163.07	180.71
36UC	Hambleton	10.4	Q11	D	791	596.95	132.51	123.43	142.07
00AN	Hammersmith and Fulham	27.8	Q04	H	1425	1303.20	109.35	103.74	115.17
31UD	Harborough	7.2	Q25	E	373	562.09	66.36	59.80	73.45
00AP	Haringey	37.7	Q05	H	1278	1690.39	75.60	71.52	79.87
22UJ	Harlow	21.4	Q03	G	557	573.50	97.12	89.22	105.53

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
36UD	Harrogate	11.1	Q11	D	1264	1114.55	113.41	107.24	119.84
00AQ	Harrow	13.5	Q04	H	803	1578.98	50.86	47.40	54.50
24UG	Hart	4.2	Q17	J	396	612.74	64.63	58.42	71.32
00EB	Hartlepool UA	37.7	Q10	A	853	653.82	130.46	121.86	139.52
21UD	Hastings	31.7	Q19	J	919	642.52	143.03	133.93	152.58
24UH	Havant	20.1	Q17	J	1167	842.95	138.44	130.61	146.62
00AR	Havering	14.8	Q06	H	1044	1632.43	63.95	60.13	67.95
00GA	Herefordshire, County of UA	15.7	Q28	F	1038	1268.09	81.86	76.95	86.99
26UE	Hertsmere	12.0	Q02	G	487	694.47	70.13	64.03	76.64
17UH	High Peak	15.1	Q24	E	631	648.22	97.34	89.89	105.24
00AS	Hillingdon	17.7	Q04	H	1767	1859.92	95.00	90.63	99.54
31UE	Hinckley and Bosworth	11.1	Q25	E	485	723.05	67.08	61.24	73.32
45UF	Horsham	6.7	Q19	J	602	891.94	67.49	62.21	73.11
00AT	Hounslow	23.3	Q04	H	1378	1598.87	86.19	81.69	90.86
12UE	Huntingdonshire	10.2	Q01	G	956	1143.26	83.62	78.40	89.09
30UG	Hyndburn	28.5	Q13	B	794	606.64	130.89	121.94	140.32
42UD	Ipswich	23.4	Q01	G	975	886.95	109.93	103.13	117.05
00MW	Isle of Wight UA	21.1	Q17	J	851	998.63	85.22	79.59	91.14
00AU	Islington	42.7	Q05	H	1641	1339.18	122.54	116.68	128.61
46UB	Kennet	10.1	Q20	K	475	556.41	85.37	77.86	93.40
00AW	Kensington and Chelsea	21.5	Q04	H	857	1291.27	66.37	62.00	70.97
15UD	Kerrier	25.2	Q21	K	1245	682.81	182.33	172.34	192.75
34UE	Kettering	15.3	Q25	E	366	618.16	59.21	53.30	65.60
33UE	Kings Lynn and West Norfolk	19.1	Q01	G	1195	993.58	120.27	113.55	127.29
00FA	Kingston upon Hull, City of UA	41.1	Q11	D	2653	1863.68	142.35	136.99	147.88
00AX	Kingston upon Thames	11.6	Q08	H	887	1138.85	77.89	72.84	83.18
00CZ	Kirklees	26.2	Q12	D	2551	2914.05	87.54	84.18	91.01
00BX	Knowsley	46.6	Q15	B	1812	1096.34	165.28	157.75	173.07
00AY	Lambeth	34.2	Q07	H	1993	2020.81	98.62	94.34	103.05
30UH	Lancaster	22.3	Q13	B	1216	1032.49	117.77	111.25	124.58
00DA	Leeds	27.7	Q12	D	6727	5431.93	123.84	120.90	126.84
00FN	Leicester UA	32.8	Q25	E	2457	2222.66	110.54	106.22	115.00

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
21UF	Lewes	12.9	Q19	J	474	693.95	68.30	62.29	74.74
00AZ	Lewisham	28.6	Q07	H	1861	1875.23	99.24	94.78	103.85
41UD	Lichfield	12.0	Q26	F	412	657.32	62.68	56.77	69.03
32UD	Lincoln	27.2	Q24	E	1020	663.63	153.70	144.41	163.43
00BY	Liverpool	49.8	Q15	B	6415	3332.75	192.48	187.80	197.25
00KA	Luton UA	23.3	Q02	G	1054	1404.32	75.05	70.59	79.73
13UG	Macclesfield	11.1	Q15	B	1196	1073.09	111.45	105.23	117.95
29UH	Maidstone	11.5	Q18	J	663	1023.99	64.75	59.91	69.87
22UK	Maldon	10.7	Q03	G	305	424.57	71.84	64.00	80.37
47UC	Malvern Hills	13.1	Q28	F	393	533.69	73.64	66.54	81.29
00BN	Manchester	48.9	Q14	B	4821	3411.54	141.31	137.35	145.36
37UF	Mansfield	32.5	Q24	E	932	713.58	130.61	122.36	139.27
00LC	Medway UA	18.0	Q18	J	1705	1842.08	92.56	88.22	97.06
31UG	Melton	10.1	Q25	E	272	343.26	79.24	70.10	89.24
40UB	Mendip	14.5	Q22	K	631	772.13	81.72	75.47	88.35
00BA	Merton	14.5	Q08	H	1111	1430.00	77.69	73.19	82.40
09UC	Mid Bedfordshire	7.7	Q02	G	560	894.21	62.62	57.54	68.03
18UD	Mid Devon	17.1	Q21	K	518	515.46	100.49	92.02	109.53
42UE	Mid Suffolk	9.8	Q01	G	470	627.19	74.94	68.31	82.03
45UG	Mid Sussex	6.4	Q19	J	541	927.39	58.34	53.52	63.47
00EC	Middlesbrough UA	40.7	Q10	A	1999	1042.30	191.79	183.47	200.38
00MG	Milton Keynes UA	15.6	Q16	J	1567	1583.38	98.97	94.13	103.99
43UE	Mole Valley	6.2	Q19	J	470	583.94	80.49	73.37	88.11
24UJ	New Forest	10.4	Q17	J	1009	1255.81	80.35	75.46	85.46
37UG	Newark and Sherwood	19.8	Q24	E	766	779.73	98.24	91.40	105.45
00CJ	Newcastle upon Tyne	34.5	Q09	A	2132	2048.24	104.09	99.72	108.60
41UE	Newcastle-under-Lyme	19.9	Q26	F	602	893.12	67.40	62.13	73.01
00BB	Newham	40.4	Q06	H	1654	1974.74	83.76	79.77	87.89
15UE	North Cornwall	22.8	Q21	K	754	598.75	125.93	117.10	135.25
18UE	North Devon	20.6	Q21	K	867	644.34	134.56	125.75	143.82
19UE	North Dorset	11.4	Q22	K	394	469.09	83.99	75.90	92.71
17UJ	North East Derbyshire	18.9	Q24	E	590	682.96	86.39	79.56	93.65

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
00FC	North East Lincolnshire UA	29.4	Q11	D	1797	1159.60	154.97	147.88	162.30
26UF	North Hertfordshire	10.1	Q02	G	594	870.88	68.21	62.83	73.92
32UE	North Kesteven	11.5	Q24	E	704	701.26	100.39	93.11	108.09
00FD	North Lincolnshire UA	21.2	Q11	D	1122	1111.78	100.92	95.10	107.00
33UF	North Norfolk	16.9	Q01	G	567	716.66	79.12	72.74	85.91
39UC	North Shropshire	16.6	Q26	F	353	424.88	83.08	74.64	92.22
00HC	North Somerset UA	14.1	Q20	K	1213	1397.34	86.81	81.99	91.83
00CK	North Tyneside	26.0	Q09	A	1538	1381.85	111.30	105.81	117.01
44UB	North Warwickshire	16.4	Q28	F	263	435.59	60.38	53.30	68.13
31UH	North West Leicestershire	15.9	Q25	E	509	626.61	81.23	74.33	88.60
46UC	North Wiltshire	8.4	Q20	K	741	916.98	80.81	75.09	86.84
34UF	Northampton	20.2	Q25	E	1526	1460.16	104.51	99.33	109.89
33UG	Norwich	28.3	Q01	G	1096	957.18	114.50	107.82	121.49
00FY	Nottingham UA	41.8	Q24	E	2503	2157.67	116.00	111.50	120.64
44UC	Nuneaton and Bedworth	21.2	Q28	F	682	867.49	78.62	72.83	84.75
31UJ	Oadby and Wigston	9.7	Q25	E	336	410.76	81.80	73.29	91.03
00BP	Oldham	30.7	Q14	B	2946	1627.64	181.00	174.52	187.66
39UD	Oswestry	17.1	Q26	F	173	277.12	62.43	53.47	72.46
38UC	Oxford	19.7	Q16	J	882	1144.01	77.10	72.09	82.36
30UJ	Pendle	27.6	Q13	B	835	665.76	125.42	117.06	134.22
15UF	Penwith	29.0	Q21	K	868	461.87	187.93	175.64	200.86
00JA	Peterborough UA	23.4	Q01	G	1865	1178.42	158.26	151.16	165.61
00HG	Plymouth UA	26.2	Q21	K	2178	1811.86	120.21	115.21	125.37
00HP	Poole UA	14.3	Q22	K	1194	1021.45	116.89	110.35	123.72
00MR	Portsmouth UA	24.9	Q17	J	2106	1456.97	144.55	138.44	150.86
30UK	Preston	28.5	Q13	B	1491	984.81	151.40	143.81	159.28
19UG	Purbeck	12.6	Q22	K	305	324.51	93.99	83.74	105.15
00MC	Reading UA	18.8	Q16	J	924	1107.15	83.46	78.16	89.02
00BC	Redbridge	17.8	Q06	H	1216	1841.23	66.04	62.38	69.86
00EE	Redcar and Cleveland UA	30.6	Q10	A	1476	1001.31	147.41	139.98	155.12
47UD	Redditch	19.4	Q28	F	503	578.48	86.95	79.52	94.89
43UF	Reigate and Banstead	9.0	Q19	J	812	925.99	87.69	81.76	93.93

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
15UG	Restormel	23.9	Q21	K	1314	715.68	183.60	173.81	193.80
30UL	Ribble Valley	10.3	Q13	B	357	394.11	90.58	81.43	100.49
00BD	Richmond upon Thames	9.7	Q08	H	1031	1325.56	77.78	73.10	82.67
36UE	Richmondshire	12.5	Q11	D	580	372.24	155.81	143.39	169.03
00BQ	Rochdale	33.7	Q14	B	1895	1526.99	124.10	118.58	129.82
22UL	Rochford	8.7	Q03	G	318	562.74	56.51	50.47	63.07
30UM	Rossendale	24.1	Q13	B	630	475.30	132.55	122.40	143.31
21UG	Rother	16.2	Q19	J	645	650.58	99.14	91.64	107.10
00CF	Rotherham	28.2	Q23	D	2211	1821.41	121.39	116.38	126.56
44UD	Rugby	13.6	Q28	F	530	652.42	81.24	74.47	88.46
43UG	Runnymede	7.8	Q19	J	420	586.18	71.65	64.96	78.84
37UJ	Rushcliffe	9.0	Q24	E	582	775.06	75.09	69.11	81.45
24UL	Rushmoor	10.4	Q17	J	589	670.68	87.82	80.87	95.21
00FP	Rutland UA	6.6	Q25	E	220	258.86	84.99	74.13	96.99
36UF	Ryedale	12.9	Q11	D	296	364.19	81.28	72.28	91.08
00BR	Salford	38.2	Q14	B	2684	1619.83	165.70	159.49	172.09
46UD	Salisbury	11.8	Q20	K	943	848.16	111.18	104.20	118.51
00CS	Sandwell	35.4	Q27	F	2218	2131.08	104.08	99.79	108.50
36UG	Scarborough	24.1	Q11	D	1068	779.13	137.08	128.98	145.55
20UG	Sedgefield	29.1	Q10	A	718	621.78	115.48	107.18	124.24
40UC	Sedgemoor	17.4	Q22	K	661	781.69	84.56	78.24	91.26
00CA	Sefton	26.1	Q15	B	2833	2047.93	138.33	133.29	143.52
36UH	Selby	13.1	Q11	D	405	545.47	74.25	67.19	81.84
29UK	Sevenoaks	9.6	Q18	J	608	791.08	76.86	70.87	83.22
00CG	Sheffield	28.4	Q23	D	3472	3886.28	89.34	86.39	92.36
29UL	Shepway	20.8	Q18	J	699	723.96	96.55	89.53	103.98
39UE	Shrewsbury and Atcham	15.7	Q26	F	826	695.02	118.85	110.88	127.23
00MD	Slough UA	20.9	Q16	J	834	896.20	93.06	86.85	99.60
00CT	Solihull	16.4	Q27	F	1446	1440.21	100.40	95.29	105.71
09UE	South Bedfordshire	12.3	Q02	G	587	819.39	71.64	65.96	77.68
11UE	South Bucks	8.1	Q16	J	404	446.73	90.43	81.83	99.70
12UG	South Cambridgeshire	6.4	Q01	G	813	959.46	84.74	79.01	90.77

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
17UK	South Derbyshire	14.8	Q24	E	537	609.45	88.11	80.82	95.89
00HD	South Gloucestershire UA	9.8	Q20	K	1158	1773.20	65.31	61.60	69.18
18UG	South Hams	14.2	Q21	K	518	590.75	87.69	80.30	95.57
32UF	South Holland	15.3	Q24	E	508	560.99	90.55	82.85	98.78
32UG	South Kesteven	12.2	Q24	E	892	908.60	98.17	91.84	104.83
16UG	South Lakeland	12.0	Q13	B	704	732.22	96.15	89.17	103.52
33UH	South Norfolk	10.7	Q01	G	576	805.94	71.47	65.75	77.55
34UG	South Northamptonshire	6.6	Q25	E	443	584.37	75.81	68.91	83.21
38UD	South Oxfordshire	7.7	Q16	J	612	927.05	66.02	60.89	71.46
30UN	South Ribble	14.0	Q13	B	882	752.42	117.22	109.61	125.22
39UF	South Shropshire	15.5	Q26	F	263	293.11	89.73	79.21	101.25
40UD	South Somerset	13.7	Q22	K	968	1119.80	86.44	81.08	92.07
41UF	South Staffordshire	11.7	Q26	F	497	734.53	67.66	61.84	73.88
00CL	South Tyneside	33.1	Q09	A	1453	1103.74	131.64	124.96	138.59
00MS	Southampton UA	23.7	Q17	J	1687	1729.61	97.54	92.94	102.30
00KF	Southend-On-Sea UA	21.7	Q03	G	959	1216.47	78.83	73.92	83.99
00BE	Southwark	35.4	Q07	H	1868	1919.91	97.30	92.93	101.81
43UH	Spelthorne	10.4	Q19	J	497	640.19	77.63	70.96	84.77
26UG	St. Albans	7.7	Q02	G	625	956.16	65.37	60.34	70.70
42UF	St. Edmundsbury	11.5	Q01	G	688	720.73	95.46	88.46	102.87
00BZ	St. Helens	32.0	Q15	B	1950	1265.55	154.08	147.32	161.08
41UG	Stafford	12.9	Q26	F	593	871.08	68.08	62.71	73.78
41UH	Staffordshire Moorlands	16.5	Q26	F	402	661.11	60.81	55.01	67.05
26UH	Stevenage	15.6	Q02	G	496	587.81	84.38	77.12	92.14
00BS	Stockport	18.1	Q14	B	2522	2045.29	123.31	118.54	128.22
00EF	Stockton-On-Tees UA	26.3	Q10	A	1918	1345.90	142.51	136.20	149.03
00GL	Stoke-On-Trent UA	35.3	Q26	F	1484	1765.59	84.05	79.83	88.44
44UE	Stratford-On-Avon	8.8	Q28	F	813	815.24	99.73	92.99	106.82
23UF	Stroud	10.2	Q20	K	560	787.89	71.08	65.31	77.21
42UG	Suffolk Coastal	11.5	Q01	G	696	847.89	82.09	76.10	88.42
00CM	Sunderland	34.2	Q09	A	3104	2045.89	151.72	146.43	157.15
43UJ	Surrey Heath	4.9	Q19	J	412	575.88	71.54	64.80	78.80

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
00BF	Sutton	13.3	Q08	H	1152	1325.88	86.89	81.94	92.05
29UM	Swale	20.9	Q18	J	840	909.75	92.33	86.19	98.79
00HX	Swindon UA	17.2	Q20	K	1202	1320.87	91.00	85.93	96.29
00BT	Tameside	29.8	Q14	B	2415	1564.00	154.41	148.31	160.70
41UK	Tamworth	19.7	Q26	F	448	534.28	83.85	76.26	91.99
43UK	Tandridge	8.3	Q19	J	437	575.93	75.88	68.93	83.34
40UE	Taunton Deane	16.3	Q22	K	718	775.58	92.58	85.93	99.60
20UH	Teesdale	16.4	Q10	A	140	175.86	79.61	66.97	93.94
18UH	Teignbridge	17.0	Q21	K	891	899.36	99.07	92.67	105.80
00GF	Telford and Wrekin UA	21.8	Q26	F	1278	1172.54	108.99	103.10	115.14
22UN	Tendring	23.1	Q03	G	615	1049.96	58.57	54.04	63.39
24UN	Test Valley	8.7	Q17	J	581	797.63	72.84	67.04	79.01
23UG	Tewkesbury	10.1	Q20	K	438	560.64	78.13	70.98	85.80
29UN	Thanet	25.6	Q18	J	1220	962.07	126.81	119.79	134.13
26UJ	Three Rivers	9.4	Q02	G	429	613.93	69.88	63.42	76.81
00KG	Thurrock UA	21.2	Q03	G	733	1068.03	68.63	63.75	73.79
29UP	Tonbridge and Malling	9.6	Q18	J	591	790.37	74.78	68.87	81.05
00HH	Torbay UA	23.7	Q21	K	1306	987.43	132.26	125.19	139.64
18UK	Torridge	21.4	Q21	K	431	434.45	99.21	90.06	109.03
00BG	Tower Hamlets	45.9	Q06	H	1683	1630.75	103.20	98.33	108.26
00BU	Trafford	20.2	Q14	B	1570	1548.95	101.36	96.41	106.50
29UQ	Tunbridge Wells	10.5	Q18	J	644	768.63	83.79	77.44	90.51
35UF	Tynedale	15.5	Q09	A	404	419.15	96.38	87.21	106.26
22UQ	Uttlesford	6.7	Q03	G	354	500.65	70.71	63.53	78.47
38UE	Vale of White Horse	6.9	Q16	J	527	842.17	62.58	57.35	68.15
13UH	Vale Royal	17.1	Q15	B	775	884.02	87.67	81.60	94.06
00DB	Wakefield	29.1	Q12	D	2277	2298.33	99.07	95.04	103.23
00CU	Walsall	29.4	Q27	F	2128	1860.59	114.37	109.56	119.34
00BH	Waltham Forest	30.2	Q06	H	1619	1683.78	96.15	91.53	100.95
00BJ	Wandsworth	20.9	Q08	H	1863	2068.91	90.05	86.00	94.23
35UG	Wansbeck	30.5	Q09	A	533	438.20	121.63	111.52	132.41
00EU	Warrington UA	19.4	Q15	B	2461	1388.63	177.22	170.29	184.37

HES data 2002/03 to 2004/05: unlinked file					Head Injuries, all ages, Both sexes				
					Unlinked file				
Label	Local authority	IMD 2004: Average Score	StHA	GOR	Obs.	Exp.	SAR	95% Confidence interval	
N/A	ALL ENGLAND				367962	367962.00	100.00	0.00	0.00
44UF	Warwick	12.6	Q28	F	1266	981.48	128.99	121.98	136.29
26UK	Watford	14.5	Q02	G	457	589.89	77.47	70.53	84.91
42UH	Waveney	21.8	Q01	G	668	840.64	79.46	73.55	85.73
43UL	Waverley	6.2	Q19	J	739	861.17	85.81	79.74	92.23
21UH	Wealden	9.4	Q19	J	747	1024.46	72.92	67.78	78.34
20UJ	Wear Valley	32.6	Q10	A	407	442.62	91.95	83.24	101.34
34UH	Wellingborough	17.5	Q25	E	408	530.14	76.96	69.67	84.80
26UL	Welwyn Hatfield	12.6	Q02	G	571	738.39	77.33	71.12	83.94
00MB	West Berkshire UA	7.9	Q16	J	650	1037.35	62.66	57.93	67.67
18UL	West Devon	16.3	Q21	K	287	352.71	81.37	72.23	91.35
19UH	West Dorset	13.3	Q22	K	616	691.16	89.13	82.23	96.45
30UP	West Lancashire	21.1	Q13	B	1017	781.35	130.16	122.28	138.41
32UH	West Lindsey	17.7	Q24	E	625	584.27	106.97	98.75	115.70
38UF	West Oxfordshire	6.3	Q16	J	440	698.55	62.99	57.24	69.16
40UF	West Somerset	22.1	Q22	K	208	260.67	79.79	69.32	91.41
46UF	West Wiltshire	12.0	Q20	K	730	892.58	81.79	75.96	87.94
00BK	Westminster	31.7	Q04	H	1402	1653.52	84.79	80.41	89.35
19UJ	Weymouth and Portland	21.2	Q22	K	544	473.22	114.96	105.50	125.04
00BW	Wigan	29.3	Q14	B	2376	2175.37	109.22	104.87	113.71
24UP	Winchester	7.0	Q17	J	754	812.71	92.78	86.27	99.64
00ME	Windsor and Maidenhead UA	8.2	Q16	J	728	985.70	73.86	68.59	79.42
00CB	Wirral	30.1	Q15	B	4018	2307.23	174.15	168.80	179.62
43UM	Woking	7.3	Q19	J	584	659.05	88.61	81.57	96.10
00MF	Wokingham UA	5.1	Q16	J	606	1086.84	55.76	51.41	60.38
00CW	Wolverhampton	32.2	Q27	F	1537	1790.15	85.86	81.62	90.26
47UE	Worcester	17.7	Q28	F	644	687.98	93.61	86.52	101.12
45UH	Worthing	15.7	Q19	J	732	765.92	95.57	88.77	102.75
47UF	Wychavon	11.3	Q28	F	582	812.17	71.66	65.96	77.73
11UF	Wycombe	9.7	Q16	J	1159	1179.85	98.23	92.66	104.06
30UQ	Wyre	17.8	Q13	B	599	781.08	76.69	70.67	83.08
47UG	Wyre Forest	17.8	Q28	F	504	697.23	72.29	66.11	78.88
00FF	York UA	14.5	Q11	D	1062	1370.37	77.50	72.91	82.30

Head Injuries :

**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, both sexes**

Local authority	95% Confidence interval		SAR
Liverpool	187.80	197.25	192.48
Middlesbrough UA	183.47	200.38	191.79
Penwith	175.64	200.86	187.93
Carrick	175.15	196.08	185.39
Restormel	173.81	193.80	183.60
Kerrier	172.34	192.75	182.33
Oldham	174.52	187.66	181.00
Warrington UA	170.29	184.37	177.22
Wirral	168.80	179.62	174.15
Halton UA	163.07	180.71	171.72
Burnley	161.17	181.32	171.02
Salford	159.49	172.09	165.70
Knowsley	157.75	173.07	165.28
Derwentside	152.38	172.69	162.30
Peterborough UA	151.16	165.61	158.26
Richmondshire	143.39	169.03	155.81
North East Lincolnshire UA	147.88	162.30	154.97
Tameside	148.31	160.70	154.41
St. Helens	147.32	161.08	154.08
Lincoln	144.41	163.43	153.70
Copeland	142.70	164.73	153.42
Sunderland	146.43	157.15	151.72
Preston	143.81	159.28	151.40
Redcar and Cleveland UA	139.98	155.12	147.41
Blackburn with Darwen UA	138.37	152.95	145.53
Portsmouth UA	138.44	150.86	144.55
Barrow-In-Furness	133.78	154.69	143.95
Hastings	133.93	152.58	143.03
Stockton-On-Tees UA	136.20	149.03	142.51
Kingston upon Hull, City of UA	136.99	147.88	142.35
Manchester	137.35	145.36	141.31
Havant	130.61	146.62	138.44
Sefton	133.29	143.52	138.33
Carlisle	129.62	146.72	137.97
Chichester	129.31	145.70	137.32
Scarborough	128.98	145.55	137.08
Easington	126.97	144.79	135.67
Derby UA	129.47	140.38	134.84
North Devon	125.75	143.82	134.56
Chester-Le-Street	121.63	145.34	133.09
Darlington UA	124.34	141.33	132.63
Rossendale	122.40	143.31	132.55
Hambleton	123.43	142.07	132.51
Torbay UA	125.19	139.64	132.26
Bury	126.03	138.50	132.16
South Tyneside	124.96	138.59	131.64
Hyndburn	121.94	140.32	130.89
Mansfield	122.36	139.27	130.61
Hartlepool UA	121.86	139.52	130.46
West Lancashire	122.28	138.41	130.16
Allerdale	121.49	138.88	129.97
Gateshead	123.94	136.05	129.89
Doncaster	124.30	134.09	129.12
Warwick	121.98	136.29	128.99
Thanet	119.79	134.13	126.81
Durham	118.02	135.26	126.42
Barnsley	120.86	131.99	126.33
North Cornwall	117.10	135.25	125.93

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SAR
Pendle	117.06	134.22	125.42
Rochdale	118.58	129.82	124.10
Leeds	120.90	126.84	123.84
Stockport	118.54	128.22	123.31
Islington	116.68	128.61	122.54
Wansbeck	111.52	132.41	121.63
Rotherham	116.38	126.56	121.39
Gosport	111.72	129.83	120.52
Kings Lynn and West Norfolk	113.55	127.29	120.27
Plymouth UA	115.21	125.37	120.21
Shrewsbury and Atcham	110.88	127.23	118.85
Arun	112.19	125.24	118.58
Lancaster	111.25	124.58	117.77
South Ribble	109.61	125.22	117.22
Poole UA	110.35	123.72	116.89
Hackney	111.50	122.12	116.72
Nottingham UA	111.50	120.64	116.00
Sedgefield	107.18	124.24	115.48
Camden	110.16	120.77	115.37
Bolton	110.61	120.20	115.33
Exeter	108.24	122.60	115.25
Chorley	107.48	123.27	115.17
Weymouth and Portland	105.50	125.04	114.96
Norwich	107.82	121.49	114.50
Walsall	109.56	119.34	114.37
Bassetlaw	106.85	122.00	114.24
Fenland	105.67	122.69	113.94
Birmingham	111.23	116.00	113.60
Harrogate	107.24	119.84	113.41
Chesterfield	105.71	121.41	113.36
Blyth Valley	104.02	121.44	112.48
Bradford	108.10	114.97	111.50
Macclesfield	105.23	117.95	111.45
North Tyneside	105.81	117.01	111.30
Salisbury	104.20	118.51	111.18
Calderdale	105.25	116.27	110.66
Leicester UA	106.22	115.00	110.54
Ipswich	103.13	117.05	109.93
Hammersmith and Fulham	103.74	115.17	109.35
Wigan	104.87	113.71	109.22
Telford and Wrekin UA	103.10	115.14	108.99
Ashfield	100.73	115.12	107.74
Blackpool UA	101.03	113.70	107.23
West Lindsey	98.75	115.70	106.97
Cheltenham	99.36	113.48	106.24
Northampton	99.33	109.89	104.51
Bolsover	95.79	113.44	104.34
Cambridge	97.65	110.96	104.15
Newcastle upon Tyne	99.72	108.60	104.09
Sandwell	99.79	108.50	104.08
Boston	94.41	114.40	104.05
Dover	96.76	111.28	103.83
Tower Hamlets	98.33	108.26	103.20
Canterbury	96.76	108.97	102.73
Ellesmere Port and Neston	94.51	111.16	102.58
Eastbourne	94.61	109.49	101.85
Crewe and Nantwich	94.97	108.96	101.79
Trafford	96.41	106.50	101.36

Head Injuries :**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, both sexes**

Local authority	95% Confidence interval		SAR
North Lincolnshire UA	95.10	107.00	100.92
Mid Devon	92.02	109.53	100.49
Solihull	95.29	105.71	100.40
North Kesteven	93.11	108.09	100.39
Alnwick	87.37	114.04	100.04
Erewash	93.20	107.21	100.02
Stratford-On-Avon	92.99	106.82	99.73
Lewisham	94.78	103.85	99.24
Torridge	90.06	109.03	99.21
Rother	91.64	107.10	99.14
Wakefield	95.04	103.23	99.07
Teignbridge	92.67	105.80	99.07
Milton Keynes UA	94.13	103.99	98.97
Lambeth	94.34	103.05	98.62
East Lindsey	92.22	104.98	98.44
Newark and Sherwood	91.40	105.45	98.24
Wycombe	92.66	104.06	98.23
South Kesteven	91.84	104.83	98.17
Bath and North East Somerset	92.58	103.49	97.92
Southampton UA	92.94	102.30	97.54
Cotswold	89.71	105.84	97.52
High Peak	89.89	105.24	97.34
Fareham	90.50	104.47	97.30
Southwark	92.93	101.81	97.30
Harlow	89.22	105.53	97.12
Shepway	89.53	103.98	96.55
Tynedale	87.21	106.26	96.38
Waltham Forest	91.53	100.95	96.15
South Lakeland	89.17	103.52	96.15
Worthing	88.77	102.75	95.57
St. Edmundsbury	88.46	102.87	95.46
Guildford	89.28	101.65	95.31
Hillingdon	90.63	99.54	95.00
Gloucester	88.13	101.60	94.68
East Hampshire	88.02	101.63	94.64
Purbeck	83.74	105.15	93.99
Worcester	86.52	101.12	93.61
Corby	84.05	103.69	93.48
Slough UA	86.85	99.60	93.06
Bridgnorth	83.31	103.06	92.79
Amber Valley	86.40	99.51	92.78
Winchester	86.27	99.64	92.78
Taunton Deane	85.93	99.60	92.58
Medway UA	88.22	97.06	92.56
Derbyshire Dales	84.13	101.35	92.44
Eden	82.68	102.84	92.35
Swale	86.19	98.79	92.33
Wear Valley	83.24	101.34	91.95
Bournemouth UA	86.24	96.83	91.42
Swindon UA	85.93	96.29	91.00
Ribble Valley	81.43	100.49	90.58
South Holland	82.85	98.78	90.55
South Bucks	81.83	99.70	90.43
Wandsworth	86.00	94.23	90.05
Coventry	86.08	93.82	89.88
South Shropshire	79.21	101.25	89.73
Great Yarmouth	82.47	96.93	89.48
Sheffield	86.39	92.36	89.34

Head Injuries :**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, both sexes**

Local authority	95% Confidence interval		SAR
Bristol, City of UA	85.99	92.78	89.34
Dartford	82.03	96.91	89.24
West Dorset	82.23	96.45	89.13
Chiltern	81.65	96.45	88.82
Woking	81.57	96.10	88.61
Gravesham	81.71	95.91	88.60
Forest Heath	79.83	97.50	88.34
Crawley	81.52	95.18	88.16
South Derbyshire	80.82	95.89	88.11
Rushmoor	80.87	95.21	87.82
Reigate and Banstead	81.76	93.93	87.69
South Hams	80.30	95.57	87.69
Vale Royal	81.60	94.06	87.67
Kirklees	84.18	91.01	87.54
East Staffordshire	80.92	94.31	87.42
Congleton	80.09	94.63	87.13
Redditch	79.52	94.89	86.95
Sutton	81.94	92.05	86.89
North Somerset UA	81.99	91.83	86.81
Aylesbury Vale	81.31	91.89	86.47
South Somerset	81.08	92.07	86.44
Berwick-upon-Tweed	73.57	100.83	86.41
Bromley	82.56	90.38	86.40
North East Derbyshire	79.56	93.65	86.39
East Cambridgeshire	78.68	94.35	86.25
Hounslow	81.69	90.86	86.19
Gedling	79.80	92.81	86.12
East Devon	80.31	92.20	86.10
Wolverhampton	81.62	90.26	85.86
Waverley	79.74	92.23	85.81
Craven	76.50	95.15	85.45
Kennet	77.86	93.40	85.37
Cherwell	79.55	91.27	85.26
Isle of Wight UA	79.59	91.14	85.22
East Riding of Yorkshire UA	81.33	88.95	85.07
Rutland UA	74.13	96.99	84.99
Epsom and Ewell	76.96	93.30	84.84
Westminster	80.41	89.35	84.79
South Cambridgeshire	79.01	90.77	84.74
Ashford	78.27	91.35	84.62
Sedgemoor	78.24	91.26	84.56
Basingstoke and Deane	79.23	90.15	84.56
Stevenage	77.12	92.14	84.38
Stoke-On-Trent UA	79.83	88.44	84.05
North Dorset	75.90	92.71	83.99
Tamworth	76.26	91.99	83.85
Tunbridge Wells	77.44	90.51	83.79
Newham	79.77	87.89	83.76
Adur	75.44	92.69	83.74
Huntingdonshire	78.40	89.09	83.62
Reading UA	78.16	89.02	83.46
North Shropshire	74.64	92.22	83.08
Caradon	75.72	90.79	83.00
Breckland	76.73	88.70	82.55
Suffolk Coastal	76.10	88.42	82.09
Herefordshire, County of UA	76.95	86.99	81.86
Oadby and Wigston	73.29	91.03	81.80
West Wiltshire	75.96	87.94	81.79

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SAR
Castle Morpeth	72.49	91.87	81.75
Mendip	75.47	88.35	81.72
West Devon	72.23	91.35	81.37
Ryedale	72.28	91.08	81.28
Rugby	74.47	88.46	81.24
North West Leicestershire	74.33	88.60	81.23
North Wiltshire	75.09	86.84	80.81
Blaby	73.98	87.94	80.73
Mole Valley	73.37	88.11	80.49
Ealing	76.72	84.14	80.37
New Forest	75.46	85.46	80.35
Babergh	73.36	87.80	80.33
Chester	74.26	86.28	80.10
West Somerset	69.32	91.41	79.79
Brighton and Hove UA	75.80	83.86	79.75
Teesdale	66.97	93.94	79.61
Waveney	73.55	85.73	79.46
Bedford	74.24	84.83	79.40
Melton	70.10	89.24	79.24
North Norfolk	72.74	85.91	79.12
Charnwood	74.03	84.36	79.07
Southend-On-Sea UA	73.92	83.99	78.83
Nuneaton and Bedworth	72.83	84.75	78.62
Greenwich	74.47	82.93	78.62
Broxtowe	72.50	85.11	78.61
Broadland	72.75	84.76	78.58
Tewkesbury	70.98	85.80	78.13
Kingston upon Thames	72.84	83.18	77.89
Richmond upon Thames	73.10	82.67	77.78
East Dorset	70.91	85.02	77.73
Merton	73.19	82.40	77.69
Spelthorne	70.96	84.77	77.63
York UA	72.91	82.30	77.50
Watford	70.53	84.91	77.47
Welwyn Hatfield	71.12	83.94	77.33
Oxford	72.09	82.36	77.10
Wellingborough	69.67	84.80	76.96
Sevenoaks	70.87	83.22	76.86
Wyre	70.67	83.08	76.69
Tandridge	68.93	83.34	75.88
South Northamptonshire	68.91	83.21	75.81
Haringey	71.52	79.87	75.60
Barking and Dagenham	70.84	80.47	75.54
Basildon	70.49	80.31	75.28
Rushcliffe	69.11	81.45	75.09
Luton UA	70.59	79.73	75.05
Mid Suffolk	68.31	82.03	74.94
Bracknell Forest UA	69.07	81.14	74.92
Tonbridge and Malling	68.87	81.05	74.78
Selby	67.19	81.84	74.25
Windsor and Maidenhead UA	68.59	79.42	73.86
Eastleigh	68.01	79.76	73.71
Malvern Hills	66.54	81.29	73.64
Dacorum	68.00	78.69	73.20
Wealden	67.78	78.34	72.92
Test Valley	67.04	79.01	72.84
Elmbridge	67.20	78.28	72.58
Daventry	65.35	80.06	72.43

Head Injuries :

FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, both sexes

Local authority	95% Confidence interval		SAR
Wyre Forest	66.11	78.88	72.29
Croydon	68.58	75.25	71.86
Maldon	64.00	80.37	71.84
Fylde	64.81	79.24	71.75
Wychavon	65.96	77.73	71.66
Runnymede	64.96	78.84	71.65
South Bedfordshire	65.96	77.68	71.64
Dudley	68.13	75.26	71.63
Surrey Heath	64.80	78.80	71.54
South Norfolk	65.75	77.55	71.47
Stroud	65.31	77.21	71.08
Christchurch	62.28	80.54	70.97
Uttlesford	63.53	78.47	70.71
Hertsmere	64.03	76.64	70.13
Forest of Dean	63.42	77.29	70.10
Three Rivers	63.42	76.81	69.88
Braintree	64.49	75.03	69.61
Epping Forest	63.94	75.06	69.33
Thurrock UA	63.75	73.79	68.63
Bexley	64.42	72.57	68.41
Lewes	62.29	74.74	68.30
North Hertfordshire	62.83	73.92	68.21
Castle Point	61.80	75.01	68.17
Stafford	62.71	73.78	68.08
South Staffordshire	61.84	73.88	67.66
Horsham	62.21	73.11	67.49
Newcastle-under-Lyme	62.13	73.01	67.40
Hinckley and Bosworth	61.24	73.32	67.08
Chelmsford	61.75	71.27	66.38
Kensington and Chelsea	62.00	70.97	66.37
Harborough	59.80	73.45	66.36
Broxbourne	60.13	73.05	66.35
Bromsgrove	60.14	72.92	66.30
Redbridge	62.38	69.86	66.04
South Oxfordshire	60.89	71.46	66.02
Barnet	62.56	69.01	65.73
Cannock Chase	59.68	72.12	65.68
St. Albans	60.34	70.70	65.37
South Gloucestershire UA	61.60	69.18	65.31
Maidstone	59.91	69.87	64.75
Hart	58.42	71.32	64.63
Havering	60.13	67.95	63.95
West Oxfordshire	57.24	69.16	62.99
Colchester	58.51	67.66	62.96
Brent	59.48	66.47	62.90
Lichfield	56.77	69.03	62.68
West Berkshire UA	57.93	67.67	62.66
Mid Bedfordshire	57.54	68.03	62.62
Vale of White Horse	57.35	68.15	62.58
East Hertfordshire	57.48	67.70	62.43
Oswestry	53.47	72.46	62.43
Enfield	59.00	65.79	62.32
East Northamptonshire	55.84	68.85	62.09
Staffordshire Moorlands	55.01	67.05	60.81
North Warwickshire	53.30	68.13	60.38
Kettering	53.30	65.60	59.21
Tendring	54.04	63.39	58.57
Mid Sussex	53.52	63.47	58.34

Head Injuries :

**FCE-based SAR per 100 000 population for each local authority
sorted from highest to lowest, both sexes**

Local authority	95% Confidence interval		SAR
Rochford	50.47	63.07	56.51
Wokingham UA	51.41	60.38	55.76
Brentwood	48.33	61.47	54.60
Harrow	47.40	54.50	50.86