

# Head injuries in England 2009-2011

A geographical profile of  
hospital admissions

Unit of Health Care Epidemiology,  
University of Oxford  
2013



## **Head injuries in England 2009-2011**

### **A geographical profile of hospital admissions.**

**Authors: Michael Goldacre, David Yeates, Leicester Gill,  
Nick Hall, Matt Davidson**

**Published by: Unit of Health-Care Epidemiology, University of  
Oxford, 2013**

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

The maps show:

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

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

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

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

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

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

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

**Some technical notes:**

- Dataset used: UHCE-built linked file for England, , cips file, analysis template 2
- Diagnosis codes used: ICD10 codes S00.0-S09.9, ICD9 codes S00.0-S09.9
- Specialty codes used:
- Operation codes used:
- Diagnosis position: Principal diagnosis in either the first or the last FCE in the CIPS
- Operation position:
- Period covered: admissions from 01/01/2009 to 31/12/2011
- Source of admission: any
- Exclusion of successive admissions: -
- Age/sex restriction: Ages: 0-119 , Sexes: both
- Restrictions relating to presence of other diagnoses or operations: none
- Restrictions relating to length of stay: none
- Restrictions relating to type of hospital: those in England only, otherwise none
- Place of residence: that on HES record at the time of admission; in the analysis of 'person-based rates' someone who moves home and has an admission from two different areas is counted twice – once for each area.

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

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

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.

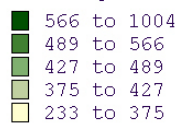
Head injuries: spells: males and females

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

Principal diagnosis on admission or discharge: 2009-2011

All admissions

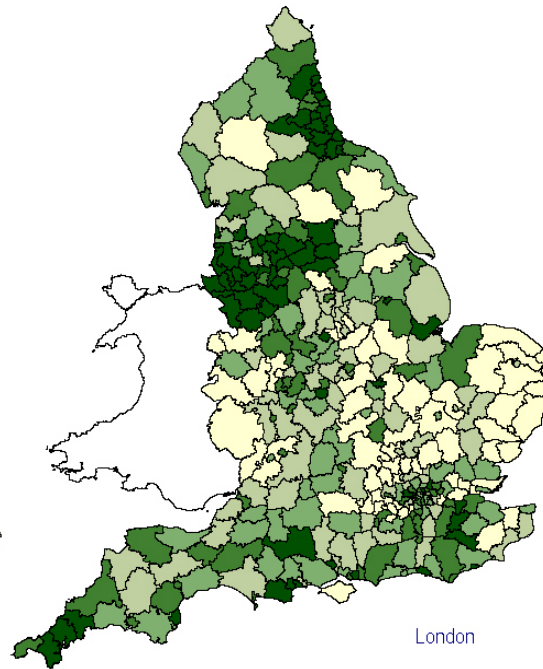
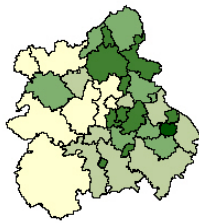
Quintile range of rates



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.*

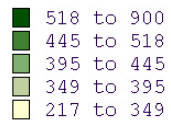
Head injuries: : People (per year per la): males and females

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

Principal diagnosis on admission or discharge: 2009-2011

All admissions

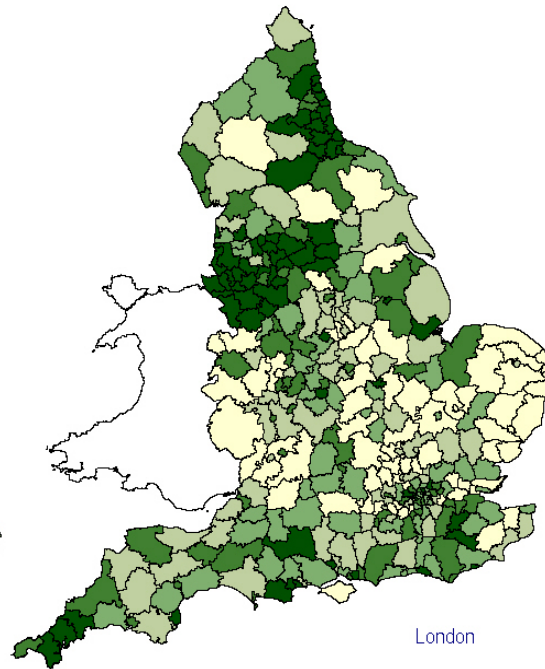
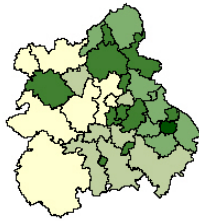
Quintile range of rates



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.*

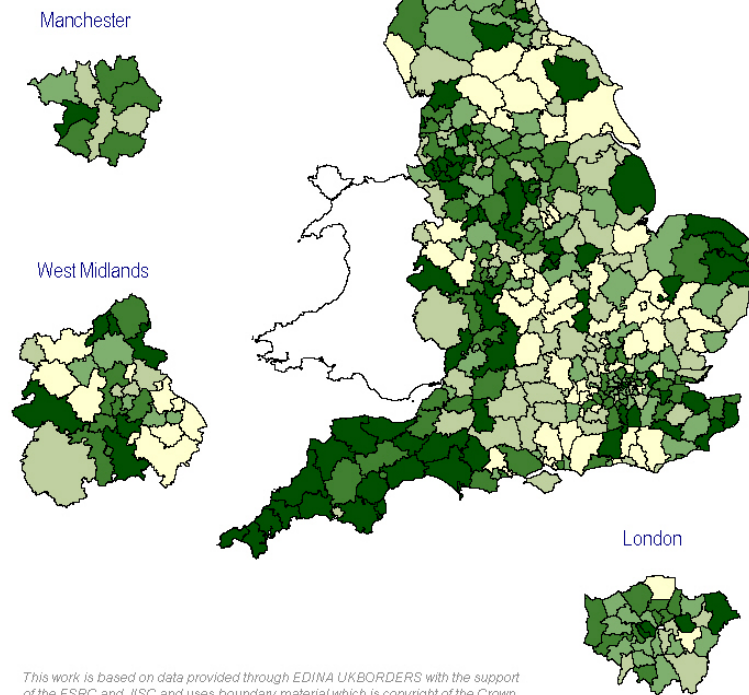
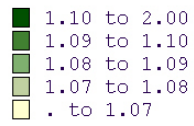
Head injuries: ratios: males and females

Number of spells per person: each local authority in England

Principal diagnosis on admission or discharge: 2009-2011

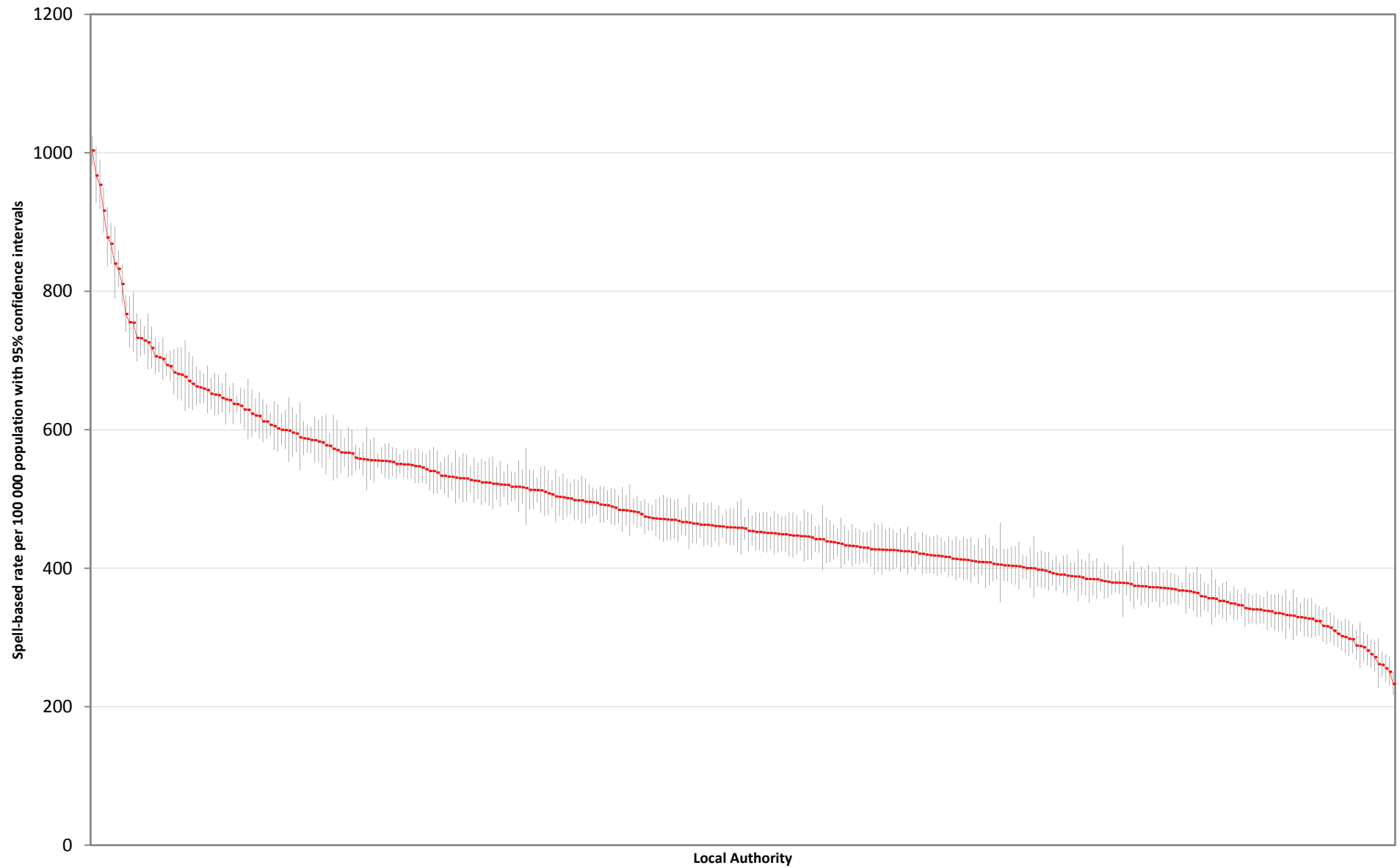
All admissions

Ratios

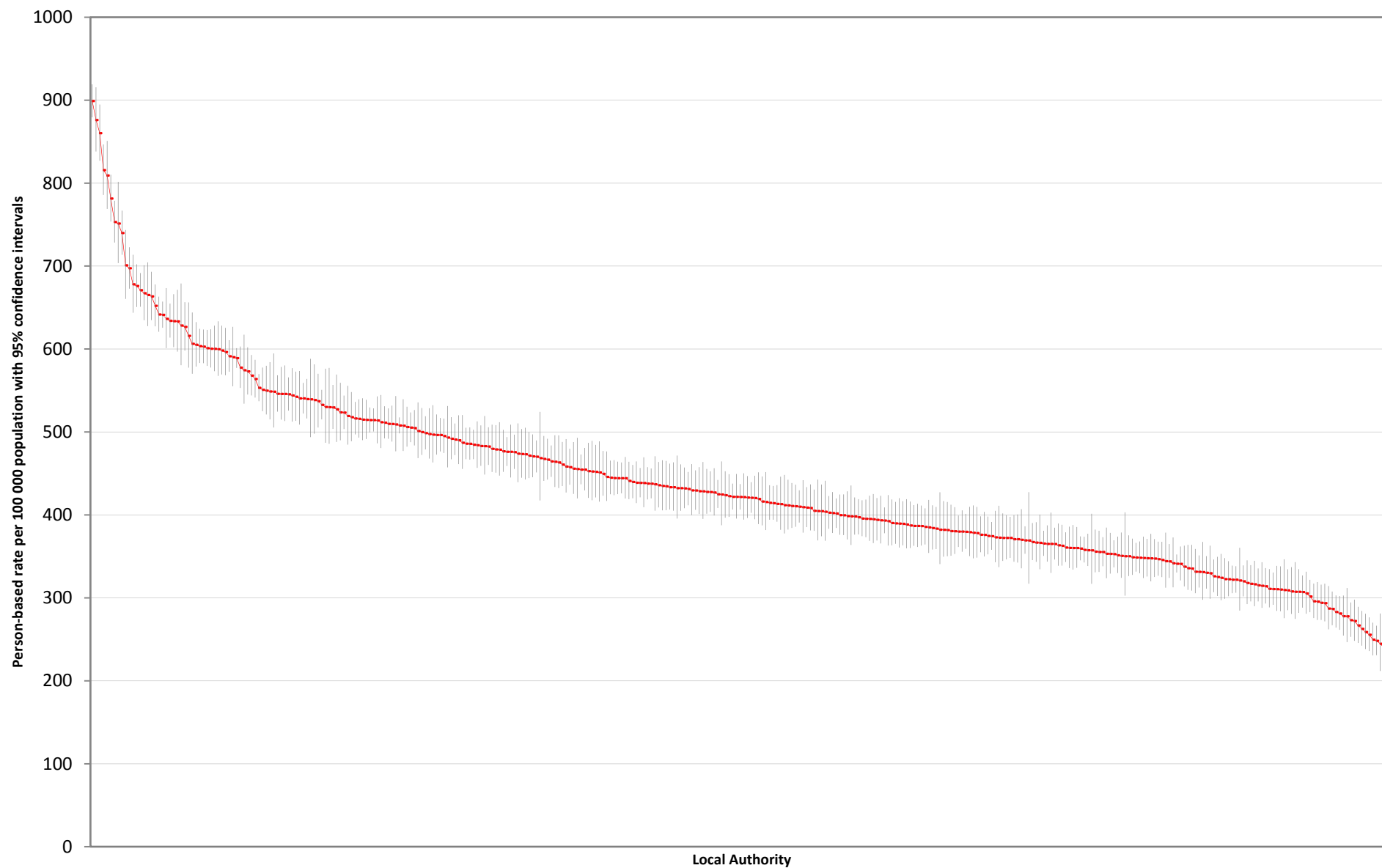


This work is based on data provided through EDINA UKBORDERS with the support of the ESRC and JISC and uses boundary material which is copyright of the Crown.

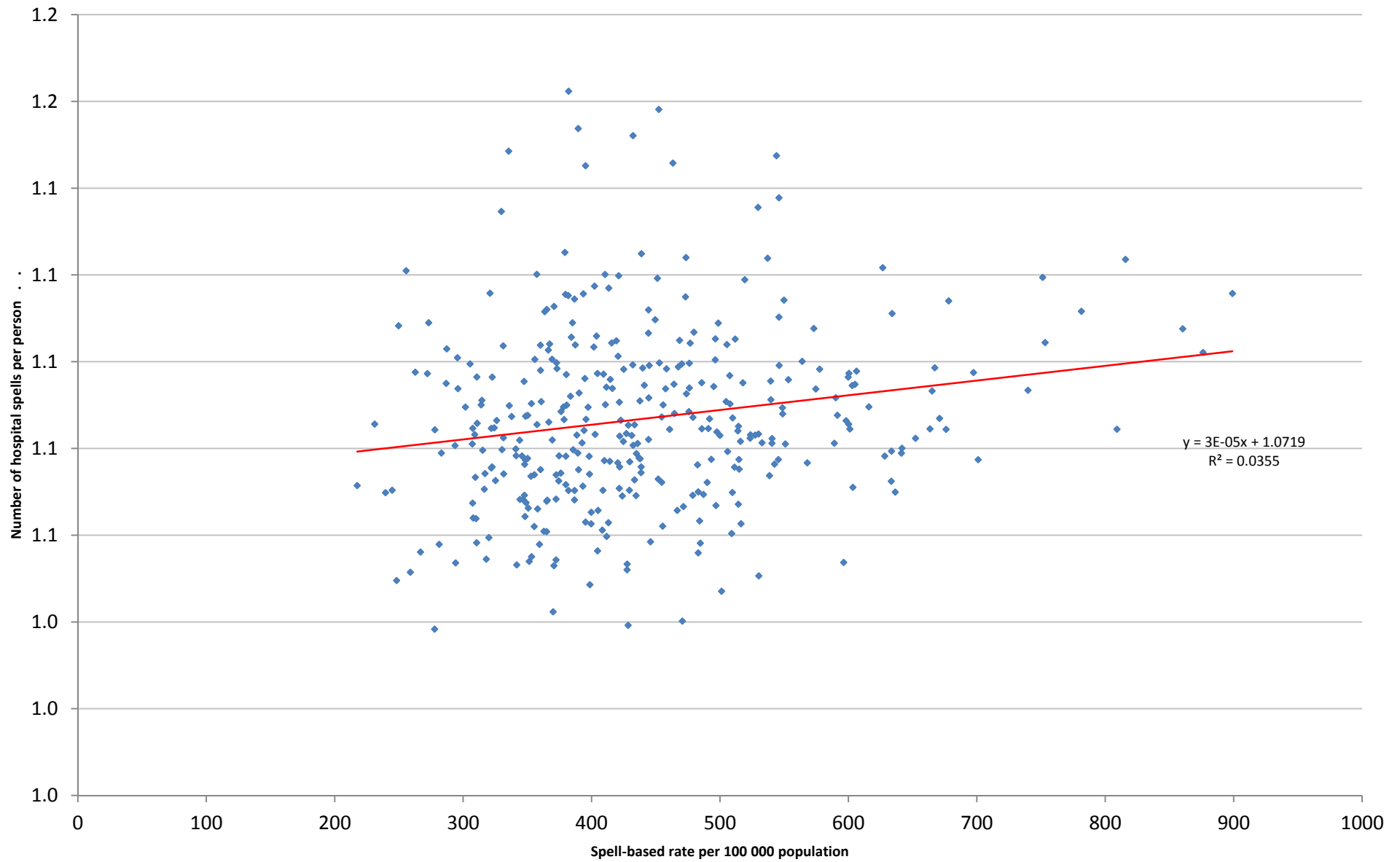
Head injuries : Spell-based rate per 100 000 population for each Local Authority , Both Sexes



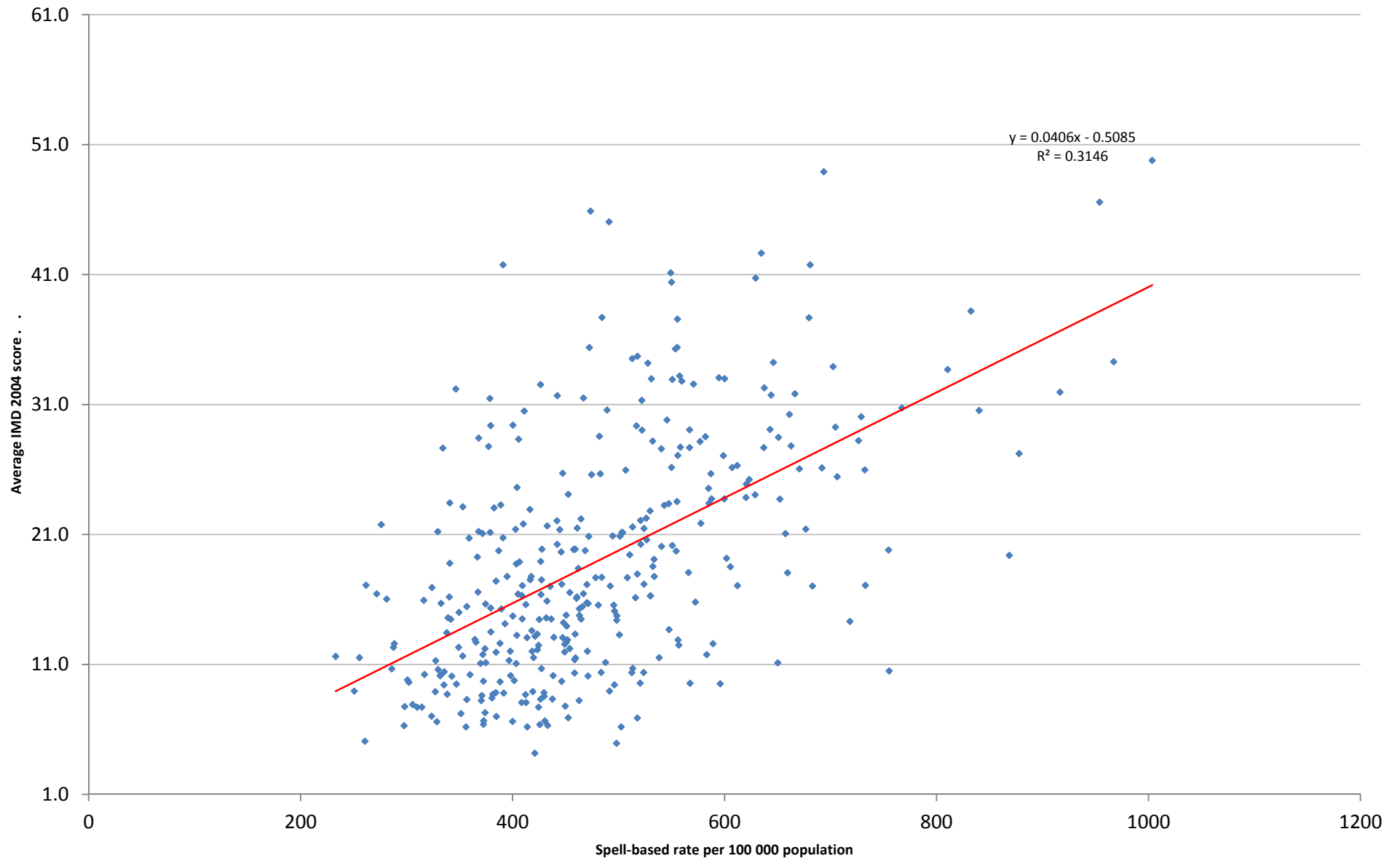
Head injuries : Person-based rate per 100 000 population for each Local Authority , Both Sexes



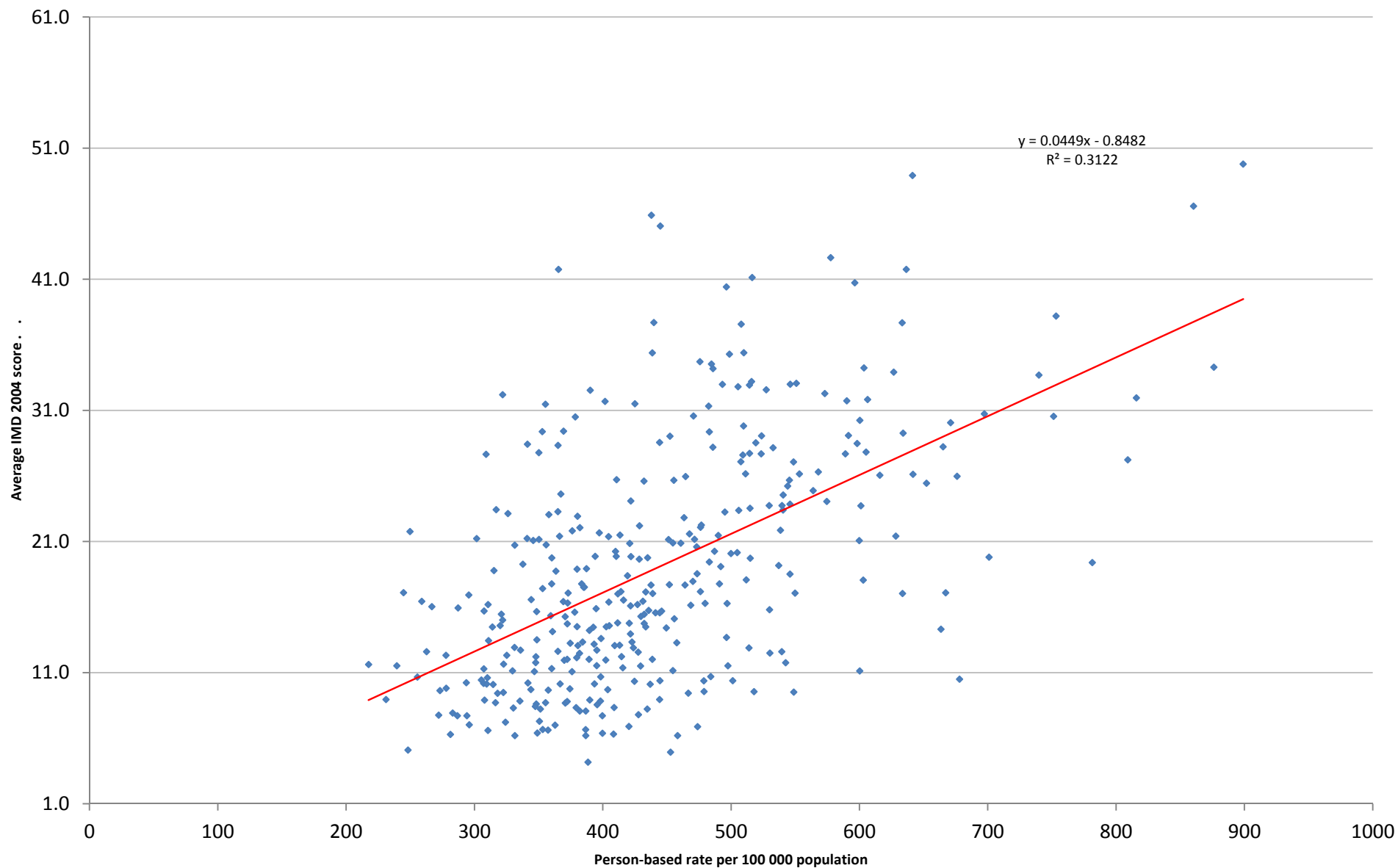
Head injuries : number of spells plotted against the person-based rate for each Local Authority , Both Sexes



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



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



| HES data 2009-2011: CIPS file v1Eng |                                 |                               |      |     | Head injuriesall ages, Both Sexes |           |                                 |                            |        |        |                                 |                            |                                 |        |     |
|-------------------------------------|---------------------------------|-------------------------------|------|-----|-----------------------------------|-----------|---------------------------------|----------------------------|--------|--------|---------------------------------|----------------------------|---------------------------------|--------|-----|
|                                     |                                 |                               |      |     | CIPS                              |           |                                 |                            | People |        |                                 |                            |                                 |        |     |
| Label                               | Local authority                 | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                              | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Obs.   | Exp.   | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Ratio of<br>spells to<br>people |        |     |
| N/A                                 | ALL ENGLAND                     |                               |      |     | 517900                            | 517900.00 | 497.74                          | 496.39                     | 499.10 | 476239 | #####                           | 457.70                     | 456.40                          | 459.01 | 1.1 |
| 45UB                                | Adur                            | 17.0                          | Q19  | J   | 568                               | 649.19    | 435.49                          | 400.41                     | 472.83 | 536    | 595.76                          | 411.79                     | 377.66                          | 448.17 | 1.1 |
| 16UB                                | Allerdale                       | 22.9                          | Q13  | B   | 780                               | 932.33    | 416.42                          | 387.70                     | 446.70 | 711    | 855.63                          | 380.34                     | 352.89                          | 409.35 | 1.1 |
| 35UB                                | Alnwick                         | 16.1                          | Q09  | A   | 337                               | 325.09    | 515.98                          | 462.35                     | 574.12 | 305    | 297.95                          | 468.54                     | 417.42                          | 524.19 | 1.1 |
| 17UB                                | Amber Valley                    | 18.9                          | Q24  | E   | 972                               | 1190.06   | 406.54                          | 381.38                     | 432.92 | 907    | 1092.54                         | 379.97                     | 355.64                          | 405.53 | 1.1 |
| 45UC                                | Arun                            | 15.6                          | Q19  | J   | 1632                              | 1688.87   | 480.98                          | 457.93                     | 504.90 | 1491   | 1547.13                         | 441.10                     | 418.99                          | 464.07 | 1.1 |
| 37UB                                | Ashfield                        | 27.8                          | Q24  | E   | 860                               | 1134.44   | 377.33                          | 352.53                     | 403.41 | 798    | 1042.96                         | 350.20                     | 326.32                          | 375.37 | 1.1 |
| 29UB                                | Ashford                         | 13.4                          | Q18  | J   | 772                               | 1137.39   | 337.84                          | 314.43                     | 362.54 | 711    | 1046.59                         | 310.94                     | 288.50                          | 334.66 | 1.1 |
| 11UB                                | Aylesbury Vale                  | 8.3                           | Q16  | J   | 1192                              | 1662.65   | 356.85                          | 336.87                     | 377.69 | 1104   | 1529.84                         | 330.30                     | 311.10                          | 350.37 | 1.1 |
| 42UB                                | Babergh                         | 11.3                          | Q01  | G   | 570                               | 866.36    | 327.48                          | 301.14                     | 355.50 | 534    | 795.20                          | 307.36                     | 281.84                          | 334.57 | 1.1 |
| 00AB                                | Barking and Dagenham            | 31.3                          | Q06  | H   | 1892                              | 1804.28   | 521.94                          | 498.68                     | 546.00 | 1758   | 1667.57                         | 482.52                     | 460.23                          | 505.62 | 1.1 |
| 00AC                                | Barnet                          | 16.1                          | Q05  | H   | 3176                              | 3433.76   | 460.38                          | 444.51                     | 476.67 | 2912   | 3160.89                         | 421.66                     | 406.49                          | 437.26 | 1.1 |
| 00CC                                | Barnsley                        | 33.0                          | Q23  | D   | 2650                              | 2197.84   | 600.14                          | 577.51                     | 623.44 | 2411   | 2020.84                         | 546.07                     | 524.49                          | 568.31 | 1.1 |
| 16UC                                | Barrow-In-Furness               | 33.0                          | Q13  | B   | 751                               | 704.04    | 530.94                          | 493.64                     | 570.31 | 697    | 646.80                          | 493.23                     | 457.28                          | 531.24 | 1.1 |
| 22UB                                | Basildon                        | 20.7                          | Q03  | G   | 1234                              | 1710.77   | 359.03                          | 339.27                     | 379.63 | 1140   | 1574.55                         | 331.38                     | 312.42                          | 351.19 | 1.1 |
| 24UB                                | Basingstoke and Deane           | 8.8                           | Q17  | J   | 1324                              | 1534.02   | 429.60                          | 406.77                     | 453.38 | 1228   | 1411.60                         | 398.17                     | 376.21                          | 421.08 | 1.1 |
| 37UC                                | Bassetlaw                       | 25.7                          | Q24  | E   | 980                               | 1090.56   | 447.28                          | 419.71                     | 476.19 | 899    | 1001.69                         | 410.78                     | 384.36                          | 438.53 | 1.1 |
| 00HA                                | Bath and North East Somerset UA | 12.2                          | Q20  | K   | 1691                              | 1854.60   | 453.83                          | 432.46                     | 475.99 | 1543   | 1703.54                         | 414.57                     | 394.14                          | 435.78 | 1.1 |
| 09UD                                | Bedford                         | 17.5                          | Q02  | G   | 1314                              | 1569.94   | 416.60                          | 394.37                     | 439.75 | 1217   | 1444.23                         | 385.69                     | 364.32                          | 407.98 | 1.1 |
| 35UC                                | Berwick-upon-Tweed              | 21.2                          | Q09  | A   | 211                               | 277.20    | 378.88                          | 329.48                     | 433.60 | 194    | 253.52                          | 350.25                     | 302.69                          | 403.15 | 1.1 |
| 00AD                                | Bexley                          | 15.0                          | Q07  | H   | 1589                              | 2263.48   | 349.42                          | 332.45                     | 367.04 | 1465   | 2082.73                         | 321.95                     | 305.67                          | 338.87 | 1.1 |
| 00CN                                | Birmingham                      | 37.6                          | Q27  | F   | 11704                             | 10485.98  | 555.56                          | 545.54                     | 565.72 | 10735  | 9675.26                         | 507.84                     | 498.27                          | 517.54 | 1.1 |
| 31UB                                | Blaby                           | 8.7                           | Q25  | E   | 760                               | 917.60    | 412.26                          | 383.46                     | 442.64 | 683    | 843.00                          | 370.83                     | 343.54                          | 399.72 | 1.1 |
| 00EX                                | Blackburn with Darwen UA        | 32.3                          | Q13  | B   | 1749                              | 1365.58   | 637.49                          | 607.96                     | 668.09 | 1579   | 1261.22                         | 573.03                     | 545.11                          | 602.01 | 1.1 |
| 00EY                                | Blackpool UA                    | 33.9                          | Q13  | B   | 2010                              | 1424.27   | 702.44                          | 672.06                     | 733.83 | 1792   | 1308.70                         | 626.73                     | 598.05                          | 656.44 | 1.1 |
| 35UD                                | Blyth Valley                    | 26.1                          | Q09  | A   | 1046                              | 776.24    | 670.72                          | 630.68                     | 712.63 | 960    | 713.41                          | 615.91                     | 577.56                          | 656.14 | 1.1 |
| 17UC                                | Bolsover                        | 30.5                          | Q24  | E   | 602                               | 729.05    | 411.00                          | 378.82                     | 445.19 | 554    | 669.82                          | 378.56                     | 347.69                          | 411.44 | 1.1 |
| 00BL                                | Bolton                          | 29.4                          | Q14  | B   | 2099                              | 2609.85   | 400.32                          | 383.37                     | 417.82 | 1940   | 2403.63                         | 369.42                     | 353.16                          | 386.23 | 1.1 |
| 32UB                                | Boston                          | 21.9                          | Q24  | E   | 699                               | 602.22    | 577.73                          | 535.69                     | 622.20 | 651    | 553.31                          | 538.52                     | 497.94                          | 581.52 | 1.1 |
| 00HN                                | Bournemouth UA                  | 23.7                          | Q22  | K   | 2177                              | 1843.53   | 587.78                          | 563.34                     | 613.00 | 1995   | 1691.97                         | 539.68                     | 516.25                          | 563.89 | 1.1 |
| 00MA                                | Bracknell Forest UA             | 8.6                           | Q16  | J   | 811                               | 1088.00   | 371.02                          | 345.92                     | 397.46 | 762    | 1001.78                         | 348.15                     | 323.87                          | 373.77 | 1.1 |
| 00CX                                | Bradford                        | 32.9                          | Q12  | D   | 5626                              | 5084.85   | 550.71                          | 536.42                     | 565.30 | 5272   | 4691.65                         | 514.32                     | 500.53                          | 528.40 | 1.1 |
| 22UC                                | Braintree                       | 13.2                          | Q03  | G   | 1143                              | 1408.17   | 404.01                          | 380.93                     | 428.13 | 1060   | 1294.80                         | 374.70                     | 352.48                          | 397.96 | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                      |                               |          | Head injuriesall ages, Both Sexes |           |                                 |                            |        |        |         |                                 |                            |        |                                 |
|-------------------------------------|----------------------|-------------------------------|----------|-----------------------------------|-----------|---------------------------------|----------------------------|--------|--------|---------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                      |                               |          | CIPS                              |           |                                 |                            |        | People |         |                                 |                            |        |                                 |
| Label                               | Local authority      | IMD 2004:<br>Average<br>Score | StHA GOR | Obs.                              | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND          |                               |          | 517900                            | 517900.00 | 497.74                          | 496.39                     | 499.10 | 476239 | #####   | 457.70                          | 456.40                     | 459.01 | 1.1                             |
| 33UB                                | Breckland            | 14.5                          | Q01 G    | 920                               | 1340.42   | 341.63                          | 319.90                     | 364.44 | 844    | 1230.17 | 314.02                          | 293.19                     | 335.94 | 1.1                             |
| 00AE                                | Brent                | 26.0                          | Q04 H    | 2533                              | 2488.03   | 506.74                          | 487.20                     | 526.87 | 2328   | 2293.77 | 464.53                          | 445.85                     | 483.80 | 1.1                             |
| 22UD                                | Brentwood            | 8.9                           | Q03 G    | 499                               | 759.29    | 327.11                          | 299.04                     | 357.11 | 469    | 697.25  | 307.87                          | 280.63                     | 337.04 | 1.1                             |
| 39UB                                | Bridgnorth           | 12.3                          | Q26 F    | 298                               | 515.63    | 287.67                          | 255.93                     | 322.25 | 287    | 472.86  | 277.80                          | 246.58                     | 311.87 | 1.0                             |
| 00ML                                | Brighton and Hove UA | 25.7                          | Q19 J    | 3103                              | 2630.67   | 587.11                          | 566.63                     | 608.14 | 2880   | 2416.66 | 545.46                          | 525.72                     | 565.75 | 1.1                             |
| 00HB                                | Bristol, City of UA  | 27.7                          | Q20 K    | 4922                              | 4388.01   | 558.31                          | 542.82                     | 574.13 | 4536   | 4036.34 | 514.36                          | 499.50                     | 529.55 | 1.1                             |
| 33UC                                | Broadland            | 9.6                           | Q01 G    | 753                               | 1240.57   | 302.12                          | 280.92                     | 324.49 | 679    | 1137.74 | 273.16                          | 252.99                     | 294.50 | 1.1                             |
| 00AF                                | Bromley              | 13.2                          | Q07 H    | 2644                              | 3124.66   | 421.18                          | 405.27                     | 437.54 | 2468   | 2872.53 | 393.25                          | 377.88                     | 409.07 | 1.1                             |
| 47UB                                | Bromsgrove           | 10.1                          | Q28 F    | 820                               | 931.28    | 438.27                          | 408.78                     | 469.32 | 735    | 854.83  | 393.54                          | 365.60                     | 423.05 | 1.1                             |
| 26UB                                | Broxbourne           | 14.7                          | Q02 G    | 712                               | 885.38    | 400.27                          | 371.40                     | 430.78 | 663    | 814.86  | 372.40                          | 344.59                     | 401.86 | 1.1                             |
| 37UD                                | Broxtowe             | 16.0                          | Q24 E    | 621                               | 1099.17   | 281.21                          | 259.52                     | 304.23 | 588    | 1008.74 | 266.80                          | 245.67                     | 289.26 | 1.1                             |
| 30UD                                | Burnley              | 31.8                          | Q13 B    | 1156                              | 863.40    | 666.43                          | 628.56                     | 705.98 | 1053   | 794.89  | 606.33                          | 570.25                     | 644.08 | 1.1                             |
| 00BM                                | Bury                 | 23.5                          | Q14 B    | 1989                              | 1783.43   | 555.12                          | 530.98                     | 580.06 | 1846   | 1641.53 | 514.72                          | 491.50                     | 538.75 | 1.1                             |
| 00CY                                | Calderdale           | 25.4                          | Q12 D    | 2813                              | 1982.42   | 706.28                          | 680.42                     | 732.88 | 2599   | 1823.86 | 652.23                          | 627.39                     | 677.80 | 1.1                             |
| 12UB                                | Cambridge            | 14.6                          | Q01 G    | 1103                              | 1271.63   | 431.74                          | 406.63                     | 457.99 | 1035   | 1169.49 | 405.07                          | 380.76                     | 430.52 | 1.1                             |
| 00AG                                | Camden               | 34.7                          | Q05 H    | 2251                              | 2163.60   | 517.85                          | 496.67                     | 539.69 | 2068   | 1989.49 | 475.76                          | 455.48                     | 496.72 | 1.1                             |
| 41UB                                | Cannock Chase        | 20.3                          | Q26 F    | 940                               | 898.12    | 520.96                          | 488.18                     | 555.35 | 879    | 825.94  | 487.11                          | 455.43                     | 520.40 | 1.1                             |
| 29UC                                | Canterbury           | 16.2                          | Q18 J    | 1091                              | 1595.72   | 340.31                          | 320.41                     | 361.12 | 995    | 1466.11 | 310.63                          | 291.62                     | 330.54 | 1.1                             |
| 15UB                                | Caradon              | 18.4                          | Q21 K    | 780                               | 840.28    | 462.04                          | 430.18                     | 495.63 | 706    | 770.70  | 419.28                          | 388.92                     | 451.38 | 1.1                             |
| 16UD                                | Carlisle             | 22.2                          | Q13 B    | 979                               | 1049.05   | 464.51                          | 435.86                     | 494.54 | 902    | 963.24  | 428.60                          | 401.09                     | 457.51 | 1.1                             |
| 15UC                                | Carrick              | 19.2                          | Q21 K    | 1207                              | 998.15    | 601.89                          | 568.41                     | 636.83 | 1074   | 915.24  | 537.10                          | 505.45                     | 570.20 | 1.1                             |
| 35UE                                | Castle Morpeth       | 15.8                          | Q09 A    | 572                               | 497.29    | 572.52                          | 526.55                     | 621.42 | 528    | 455.98  | 529.99                          | 485.74                     | 577.19 | 1.1                             |
| 22UE                                | Castle Point         | 12.7                          | Q03 G    | 655                               | 892.10    | 365.46                          | 338.00                     | 394.55 | 601    | 818.95  | 335.89                          | 309.57                     | 363.85 | 1.1                             |
| 31UC                                | Charnwood            | 12.1                          | Q25 E    | 1410                              | 1657.27   | 423.48                          | 401.66                     | 446.17 | 1264   | 1523.71 | 379.69                          | 359.04                     | 401.21 | 1.1                             |
| 22UF                                | Chelmsford           | 8.6                           | Q03 G    | 1416                              | 1639.76   | 429.82                          | 407.72                     | 452.81 | 1303   | 1507.36 | 395.65                          | 374.46                     | 417.73 | 1.1                             |
| 23UB                                | Cheltenham           | 14.4                          | Q20 K    | 1204                              | 1202.65   | 498.30                          | 470.55                     | 527.26 | 1085   | 1104.77 | 449.51                          | 423.16                     | 477.08 | 1.1                             |
| 38UB                                | Cherwell             | 11.2                          | Q16 J    | 1322                              | 1349.18   | 487.72                          | 461.78                     | 514.73 | 1233   | 1241.35 | 454.62                          | 429.60                     | 480.73 | 1.1                             |
| 13UB                                | Chester              | 17.0                          | Q15 B    | 1659                              | 1208.99   | 683.01                          | 650.54                     | 716.69 | 1537   | 1110.35 | 633.58                          | 602.29                     | 666.06 | 1.1                             |
| 17UD                                | Chesterfield         | 27.1                          | Q24 E    | 1133                              | 1014.40   | 555.94                          | 524.03                     | 589.28 | 1033   | 931.44  | 507.61                          | 477.12                     | 539.53 | 1.1                             |
| 20UB                                | Chester-Le-Street    | 21.4                          | Q10 A    | 689                               | 506.83    | 676.64                          | 627.05                     | 729.11 | 639    | 465.48  | 628.33                          | 580.55                     | 679.00 | 1.1                             |
| 45UD                                | Chichester           | 10.7                          | Q19 J    | 1243                              | 1205.10   | 513.40                          | 485.25                     | 542.75 | 1169   | 1105.14 | 484.15                          | 456.79                     | 512.72 | 1.1                             |
| 11UC                                | Chiltern             | 6.2                           | Q16 J    | 652                               | 911.55    | 356.02                          | 329.21                     | 384.43 | 607    | 837.97  | 331.55                          | 305.69                     | 359.00 | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                       |                               |      |     | Head injuriesall ages, Both Sexes |           |                                 |                            |        |        |         |                                 |                            |        |                                 |
|-------------------------------------|-----------------------|-------------------------------|------|-----|-----------------------------------|-----------|---------------------------------|----------------------------|--------|--------|---------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                       |                               |      |     | CIPS                              |           |                                 |                            |        | People |         |                                 |                            |        |                                 |
| Label                               | Local authority       | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                              | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND           |                               |      |     | 517900                            | 517900.00 | 497.74                          | 496.39                     | 499.10 | 476239 | #####   | 457.70                          | 456.40                     | 459.01 | 1.1                             |
| 30UE                                | Chorley               | 17.2                          | Q13  | B   | 940                               | 995.19    | 470.14                          | 440.56                     | 501.18 | 866    | 914.45  | 433.45                          | 405.06                     | 463.31 | 1.1                             |
| 19UC                                | Christchurch          | 12.6                          | Q22  | K   | 425                               | 545.06    | 388.11                          | 352.08                     | 426.82 | 398    | 498.97  | 365.08                          | 330.09                     | 402.77 | 1.1                             |
| 22UG                                | Colchester            | 14.6                          | Q03  | G   | 1212                              | 1779.16   | 339.07                          | 320.25                     | 358.71 | 1144   | 1636.12 | 320.03                          | 301.75                     | 339.13 | 1.1                             |
| 13UC                                | Congleton             | 9.5                           | Q15  | B   | 1076                              | 898.68    | 595.95                          | 560.87                     | 632.65 | 989    | 824.80  | 548.82                          | 515.15                     | 584.13 | 1.1                             |
| 16UE                                | Copeland              | 25.7                          | Q13  | B   | 650                               | 670.15    | 482.78                          | 446.37                     | 521.36 | 612    | 615.18  | 455.33                          | 419.97                     | 492.88 | 1.1                             |
| 34UB                                | Corby                 | 27.1                          | Q25  | E   | 646                               | 536.88    | 598.91                          | 553.61                     | 646.93 | 593    | 494.73  | 548.62                          | 505.35                     | 594.61 | 1.1                             |
| 23UC                                | Cotswold              | 8.8                           | Q20  | K   | 665                               | 861.46    | 384.23                          | 355.58                     | 414.58 | 579    | 789.98  | 335.47                          | 308.69                     | 363.94 | 1.1                             |
| 00CQ                                | Coventry              | 28.2                          | Q28  | F   | 3724                              | 3213.04   | 576.90                          | 558.52                     | 595.73 | 3444   | 2958.88 | 532.75                          | 515.10                     | 550.84 | 1.1                             |
| 36UB                                | Craven                | 11.9                          | Q11  | D   | 443                               | 573.59    | 384.42                          | 349.45                     | 421.95 | 425    | 525.71  | 370.02                          | 335.67                     | 406.93 | 1.0                             |
| 45UE                                | Crawley               | 14.8                          | Q19  | J   | 1068                              | 1066.64   | 498.38                          | 468.93                     | 529.19 | 927    | 981.53  | 432.27                          | 404.89                     | 461.02 | 1.2                             |
| 13UD                                | Crewe and Nantwich    | 17.1                          | Q15  | B   | 1727                              | 1172.84   | 732.93                          | 698.76                     | 768.33 | 1572   | 1078.32 | 667.25                          | 634.67                     | 701.07 | 1.1                             |
| 00AH                                | Croydon               | 19.9                          | Q08  | H   | 3059                              | 3327.02   | 457.65                          | 441.57                     | 474.16 | 2825   | 3064.58 | 421.92                          | 406.50                     | 437.77 | 1.1                             |
| 26UC                                | Dacorum               | 9.5                           | Q02  | G   | 980                               | 1405.61   | 347.03                          | 325.64                     | 369.46 | 911    | 1292.63 | 322.57                          | 301.96                     | 344.22 | 1.1                             |
| 00EH                                | Darlington UA         | 24.6                          | Q10  | A   | 1184                              | 1007.46   | 584.96                          | 552.11                     | 619.26 | 1094   | 926.32  | 540.56                          | 508.99                     | 573.56 | 1.1                             |
| 29UD                                | Dartford              | 17.2                          | Q18  | J   | 960                               | 911.75    | 524.08                          | 491.45                     | 558.31 | 873    | 839.23  | 476.12                          | 445.05                     | 508.78 | 1.1                             |
| 34UC                                | Daventry              | 10.2                          | Q25  | E   | 535                               | 740.01    | 359.85                          | 330.00                     | 391.68 | 508    | 680.44  | 341.71                          | 312.64                     | 372.76 | 1.1                             |
| 00FK                                | Derby UA              | 27.7                          | Q24  | E   | 2839                              | 2492.18   | 567.01                          | 546.34                     | 588.26 | 2623   | 2293.57 | 523.44                          | 503.60                     | 543.87 | 1.1                             |
| 17UF                                | Derbyshire Dales      | 12.5                          | Q24  | E   | 600                               | 703.51    | 424.51                          | 391.22                     | 459.88 | 538    | 644.86  | 381.86                          | 350.27                     | 415.53 | 1.1                             |
| 20UD                                | Derwentside           | 28.2                          | Q10  | A   | 1278                              | 875.65    | 726.45                          | 687.16                     | 767.40 | 1169   | 804.37  | 665.19                          | 627.60                     | 704.44 | 1.1                             |
| 00CE                                | Doncaster             | 31.5                          | Q23  | D   | 2683                              | 2860.56   | 466.85                          | 449.35                     | 484.85 | 2443   | 2630.88 | 425.02                          | 408.33                     | 442.21 | 1.1                             |
| 29UE                                | Dover                 | 18.7                          | Q18  | J   | 887                               | 1094.15   | 403.51                          | 377.39                     | 430.96 | 798    | 1004.83 | 363.49                          | 338.71                     | 389.61 | 1.1                             |
| 00CR                                | Dudley                | 22.1                          | Q27  | F   | 3167                              | 3027.21   | 520.73                          | 502.75                     | 539.19 | 2895   | 2782.69 | 476.18                          | 458.99                     | 493.85 | 1.1                             |
| 20UE                                | Durham                | 18.5                          | Q10  | A   | 1148                              | 943.66    | 605.53                          | 571.00                     | 641.59 | 1034   | 866.98  | 545.88                          | 513.11                     | 580.19 | 1.1                             |
| 00AJ                                | Ealing                | 23.4                          | Q04  | H   | 3582                              | 3046.15   | 585.30                          | 566.29                     | 604.79 | 3313   | 2805.61 | 540.48                          | 522.23                     | 559.20 | 1.1                             |
| 20UF                                | Easington             | 41.8                          | Q10  | A   | 1285                              | 939.46    | 680.82                          | 644.10                     | 719.09 | 1201   | 863.67  | 636.47                          | 600.98                     | 673.52 | 1.1                             |
| 12UC                                | East Cambridgeshire   | 10.6                          | Q01  | G   | 550                               | 830.24    | 329.74                          | 302.75                     | 358.48 | 517    | 763.19  | 310.06                          | 283.90                     | 337.98 | 1.1                             |
| 18UB                                | East Devon            | 12.7                          | Q21  | K   | 1349                              | 1489.48   | 450.80                          | 427.06                     | 475.51 | 1178   | 1363.83 | 395.34                          | 373.08                     | 418.58 | 1.1                             |
| 19UD                                | East Dorset           | 8.2                           | Q22  | K   | 897                               | 964.79    | 462.77                          | 432.97                     | 494.07 | 839    | 883.54  | 434.63                          | 405.72                     | 465.07 | 1.1                             |
| 24UC                                | East Hampshire        | 8.1                           | Q17  | J   | 925                               | 1115.38   | 412.78                          | 386.61                     | 440.27 | 866    | 1024.93 | 386.73                          | 361.40                     | 413.37 | 1.1                             |
| 26UD                                | East Hertfordshire    | 6.3                           | Q02  | G   | 786                               | 1314.56   | 297.61                          | 277.16                     | 319.16 | 743    | 1208.96 | 281.29                          | 261.43                     | 302.27 | 1.1                             |
| 32UC                                | East Lindsey          | 24.6                          | Q24  | E   | 1167                              | 1437.03   | 404.21                          | 381.35                     | 428.09 | 1057   | 1316.94 | 367.36                          | 345.54                     | 390.19 | 1.1                             |
| 34UD                                | East Northamptonshire | 11.8                          | Q25  | E   | 618                               | 827.05    | 371.93                          | 343.18                     | 402.45 | 578    | 760.81  | 347.72                          | 319.95                     | 377.26 | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                             |                            |      |     | Head injuriesall ages, Both Sexes |           |                           |                         |         |        |                           |                         |                           |        |     |
|-------------------------------------|-----------------------------|----------------------------|------|-----|-----------------------------------|-----------|---------------------------|-------------------------|---------|--------|---------------------------|-------------------------|---------------------------|--------|-----|
|                                     |                             |                            |      |     | CIPS                              |           |                           |                         | People  |        |                           |                         |                           |        |     |
| Label                               | Local authority             | IMD 2004:<br>Average Score | StHA | GOR | Obs.                              | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.    | Exp.   | indirect rate per 100,000 | 95% Confidence interval | Ratio of spells to people |        |     |
| N/A                                 | ALL ENGLAND                 |                            |      |     | 517900                            | 517900.00 | 497.74                    | 496.39                  | 499.10  | 476239 | #####                     | 457.70                  | 456.40                    | 459.01 | 1.1 |
| 00FB                                | East Riding of Yorkshire UA | 15.3                       | Q11  | D   | 2559                              | 3357.83   | 379.33                    | 364.77                  | 394.32  | 2419   | 3080.44                   | 359.42                  | 345.24                    | 374.04 | 1.1 |
| 41UC                                | East Staffordshire          | 18.5                       | Q26  | F   | 1142                              | 1067.77   | 532.34                    | 501.91                  | 564.14  | 1016   | 982.05                    | 473.53                  | 444.85                    | 503.57 | 1.1 |
| 21UC                                | Eastbourne                  | 21.5                       | Q19  | J   | 1159                              | 1100.92   | 524.00                    | 494.27                  | 555.06  | 1081   | 1009.74                   | 490.01                  | 461.23                    | 520.11 | 1.1 |
| 24UD                                | Eastleigh                   | 8.9                        | Q17  | J   | 1002                              | 1190.30   | 419.00                    | 393.46                  | 445.77  | 932    | 1094.11                   | 389.89                  | 365.26                    | 415.75 | 1.1 |
| 16UF                                | Eden                        | 15.7                       | Q13  | B   | 346                               | 517.90    | 332.53                    | 298.41                  | 369.48  | 319    | 474.88                    | 307.46                  | 274.64                    | 343.12 | 1.1 |
| 13UE                                | Ellesmere Port and Neston   | 19.8                       | Q15  | B   | 1197                              | 789.33    | 754.82                    | 712.66                  | 798.82  | 1111   | 725.39                    | 701.01                  | 660.39                    | 743.48 | 1.1 |
| 43UB                                | Elmbridge                   | 7.0                        | Q19  | J   | 863                               | 1327.21   | 323.65                    | 302.41                  | 345.98  | 789    | 1220.37                   | 295.92                  | 275.62                    | 317.31 | 1.1 |
| 00AK                                | Enfield                     | 23.1                       | Q05  | H   | 2211                              | 2876.59   | 382.57                    | 366.79                  | 398.86  | 2074   | 2651.91                   | 357.96                  | 342.72                    | 373.70 | 1.1 |
| 22UH                                | Epping Forest               | 13.3                       | Q03  | G   | 1143                              | 1239.49   | 459.00                    | 432.77                  | 486.40  | 1052   | 1138.94                   | 422.77                  | 397.60                    | 449.11 | 1.1 |
| 43UC                                | Epsom and Ewell             | 6.9                        | Q19  | J   | 767                               | 737.41    | 517.71                    | 481.72                  | 555.69  | 702    | 678.01                    | 473.90                  | 439.48                    | 510.29 | 1.1 |
| 17UG                                | Erewash                     | 19.3                       | Q24  | E   | 809                               | 1097.68   | 366.84                    | 341.99                  | 393.02  | 744    | 1008.30                   | 337.73                  | 313.89                    | 362.89 | 1.1 |
| 18UC                                | Exeter                      | 21.6                       | Q21  | K   | 1279                              | 1240.31   | 513.27                    | 485.52                  | 542.19  | 1164   | 1139.54                   | 467.53                  | 441.05                    | 495.18 | 1.1 |
| 24UE                                | Fareham                     | 7.8                        | Q17  | J   | 1027                              | 1136.82   | 449.66                    | 422.58                  | 478.03  | 975    | 1043.19                   | 427.78                  | 401.35                    | 455.50 | 1.1 |
| 12UD                                | Fenland                     | 19.8                       | Q01  | G   | 876                               | 930.66    | 468.51                    | 437.99                  | 500.59  | 812    | 854.49                    | 434.94                  | 405.54                    | 465.92 | 1.1 |
| 42UC                                | Forest Heath                | 11.1                       | Q01  | G   | 472                               | 626.94    | 374.73                    | 341.68                  | 410.12  | 416    | 577.47                    | 329.72                  | 298.79                    | 362.98 | 1.1 |
| 23UD                                | Forest of Dean              | 15.9                       | Q20  | K   | 525                               | 826.28    | 316.25                    | 289.78                  | 344.50  | 476    | 758.52                    | 287.23                  | 262.00                    | 314.23 | 1.1 |
| 30UF                                | Fylde                       | 13.1                       | Q13  | B   | 723                               | 804.54    | 447.30                    | 415.28                  | 481.13  | 659    | 736.87                    | 409.34                  | 378.68                    | 441.82 | 1.1 |
| 00CH                                | Gateshead                   | 33.2                       | Q09  | A   | 2107                              | 1880.67   | 557.64                    | 534.08                  | 581.98  | 1948   | 1728.09                   | 515.95                  | 493.29                    | 539.38 | 1.1 |
| 37UE                                | Gedling                     | 16.4                       | Q24  | E   | 613                               | 1122.60   | 271.79                    | 250.70                  | 294.19  | 583    | 1030.61                   | 258.92                  | 238.32                    | 280.81 | 1.1 |
| 23UE                                | Gloucester                  | 19.9                       | Q20  | K   | 1005                              | 1169.59   | 427.70                    | 401.66                  | 454.98  | 927    | 1076.59                   | 394.11                  | 369.14                    | 420.32 | 1.1 |
| 24UF                                | Gosport                     | 16.3                       | Q17  | J   | 862                               | 809.54    | 530.00                    | 495.20                  | 566.59  | 808    | 744.33                    | 496.86                  | 463.18                    | 532.33 | 1.1 |
| 29UG                                | Gravesham                   | 18.1                       | Q18  | J   | 1103                              | 969.96    | 566.01                    | 533.10                  | 600.43  | 998    | 892.44                    | 511.84                  | 480.57                    | 544.61 | 1.1 |
| 33UD                                | Great Yarmouth              | 27.7                       | Q01  | G   | 664                               | 989.01    | 334.17                    | 309.24                  | 360.59  | 613    | 907.86                    | 309.05                  | 285.06                    | 334.51 | 1.1 |
| 00AL                                | Greenwich                   | 31.5                       | Q07  | H   | 1713                              | 2252.20   | 378.58                    | 360.86                  | 396.94  | 1613   | 2077.45                   | 355.38                  | 338.24                    | 373.15 | 1.1 |
| 43UD                                | Guildford                   | 8.3                        | Q19  | J   | 1202                              | 1367.32   | 437.56                    | 413.17                  | 463.02  | 1123   | 1257.10                   | 408.88                  | 385.31                    | 433.51 | 1.1 |
| 00AM                                | Hackney                     | 45.1                       | Q06  | H   | 2051                              | 2079.11   | 491.01                    | 469.99                  | 512.73  | 1866   | 1919.81                   | 444.88                  | 424.92                    | 465.53 | 1.1 |
| 00ET                                | Halton UA                   | 34.3                       | Q15  | B   | 2191                              | 1127.49   | 967.24                    | 927.16                  | 1008.61 | 1988   | 1038.51                   | 876.17                  | 838.07                    | 915.55 | 1.1 |
| 36UC                                | Hambleton                   | 10.4                       | Q11  | D   | 912                               | 866.77    | 523.71                    | 490.27                  | 558.84  | 871    | 795.32                    | 501.26                  | 468.52                    | 535.68 | 1.0 |
| 00AN                                | Hammersmith and Fulham      | 27.8                       | Q04  | H   | 2160                              | 1622.14   | 662.78                    | 635.12                  | 691.34  | 1973   | 1492.25                   | 605.16                  | 578.75                    | 632.47 | 1.1 |
| 31UD                                | Harborough                  | 7.2                        | Q25  | E   | 576                               | 816.06    | 351.32                    | 323.21                  | 381.22  | 531    | 749.64                    | 324.21                  | 297.22                    | 353.00 | 1.1 |
| 00AP                                | Haringey                    | 37.7                       | Q05  | H   | 2040                              | 2096.29   | 484.38                    | 463.58                  | 505.86  | 1857   | 1932.60                   | 439.80                  | 420.02                    | 460.27 | 1.1 |
| 22UJ                                | Harlow                      | 21.4                       | Q03  | G   | 722                               | 808.34    | 444.58                    | 412.73                  | 478.22  | 658    | 744.46                    | 404.54                  | 374.22                    | 436.67 | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                                |                            |      |     | Head injuriesall ages, Both Sexes |           |                           |                         |        |        |                           |                         |                           |        |     |
|-------------------------------------|--------------------------------|----------------------------|------|-----|-----------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------------------------|-------------------------|---------------------------|--------|-----|
|                                     |                                |                            |      |     | CIPS                              |           |                           |                         | People |        |                           |                         |                           |        |     |
| Label                               | Local authority                | IMD 2004:<br>Average Score | StHA | GOR | Obs.                              | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.   | Exp.   | indirect rate per 100,000 | 95% Confidence interval | Ratio of spells to people |        |     |
| N/A                                 | ALL ENGLAND                    |                            |      |     | 517900                            | 517900.00 | 497.74                    | 496.39                  | 499.10 | 476239 | #####                     | 457.70                  | 456.40                    | 459.01 | 1.1 |
| 36UD                                | Harrogate                      | 11.1                       | Q11  | D   | 1190                              | 1602.01   | 369.73                    | 349.02                  | 391.35 | 1114   | 1470.59                   | 346.72                  | 326.65                    | 367.69 | 1.1 |
| 00AQ                                | Harrow                         | 13.5                       | Q04  | H   | 1704                              | 2235.16   | 379.46                    | 361.66                  | 397.92 | 1567   | 2057.02                   | 348.67                  | 331.62                    | 366.37 | 1.1 |
| 24UG                                | Hart                           | 4.2                        | Q17  | J   | 730                               | 863.02    | 421.02                    | 391.03                  | 452.71 | 674    | 794.03                    | 388.52                  | 359.73                    | 418.99 | 1.1 |
| 00EB                                | Hartlepool UA                  | 37.7                       | Q10  | A   | 1214                              | 889.05    | 679.67                    | 641.97                  | 719.01 | 1132   | 818.06                    | 633.35                  | 596.99                    | 671.35 | 1.1 |
| 21UD                                | Hastings                       | 31.7                       | Q19  | J   | 1155                              | 892.76    | 643.95                    | 607.34                  | 682.19 | 1058   | 820.56                    | 590.15                  | 555.12                    | 626.81 | 1.1 |
| 24UH                                | Havant                         | 20.1                       | Q17  | J   | 1318                              | 1213.65   | 540.54                    | 511.75                  | 570.53 | 1217   | 1114.20                   | 499.93                  | 472.23                    | 528.83 | 1.1 |
| 00AR                                | Havering                       | 14.8                       | Q06  | H   | 2208                              | 2373.31   | 463.07                    | 443.96                  | 482.80 | 2005   | 2181.37                   | 420.70                  | 402.48                    | 439.52 | 1.1 |
| 00GA                                | Herefordshire, County of UA    | 15.7                       | Q28  | F   | 1379                              | 1832.79   | 374.50                    | 355.00                  | 394.80 | 1280   | 1681.27                   | 348.46                  | 329.63                    | 368.09 | 1.1 |
| 26UE                                | Hertsmere                      | 12.0                       | Q02  | G   | 813                               | 1017.21   | 397.82                    | 370.94                  | 426.13 | 761    | 935.53                    | 372.31                  | 346.33                    | 399.73 | 1.1 |
| 17UH                                | High Peak                      | 15.1                       | Q24  | E   | 908                               | 910.79    | 496.22                    | 464.46                  | 529.57 | 833    | 836.55                    | 455.76                  | 425.33                    | 487.79 | 1.1 |
| 00AS                                | Hillingdon                     | 17.7                       | Q04  | H   | 2495                              | 2595.70   | 478.43                    | 459.84                  | 497.58 | 2287   | 2391.84                   | 437.64                  | 419.89                    | 455.95 | 1.1 |
| 31UE                                | Hinckley and Bosworth          | 11.1                       | Q25  | E   | 824                               | 1016.74   | 403.39                    | 376.31                  | 431.90 | 767    | 933.52                    | 376.06                  | 349.91                    | 403.64 | 1.1 |
| 45UF                                | Horsham                        | 6.7                        | Q19  | J   | 1120                              | 1295.15   | 430.43                    | 405.59                  | 456.40 | 1005   | 1189.59                   | 386.68                  | 363.14                    | 411.35 | 1.1 |
| 00AT                                | Hounslow                       | 23.3                       | Q04  | H   | 2426                              | 2223.32   | 543.12                    | 521.72                  | 565.17 | 2217   | 2049.33                   | 495.15                  | 474.75                    | 516.20 | 1.1 |
| 12UE                                | Huntingdonshire                | 10.2                       | Q01  | G   | 1054                              | 1580.07   | 332.02                    | 312.28                  | 352.69 | 975    | 1452.89                   | 307.15                  | 288.17                    | 327.06 | 1.1 |
| 30UG                                | Hyndburn                       | 28.5                       | Q13  | B   | 941                               | 804.86    | 581.93                    | 545.34                  | 620.34 | 841    | 741.28                    | 519.27                  | 484.77                    | 555.59 | 1.1 |
| 42UD                                | Ipswich                        | 23.4                       | Q01  | G   | 883                               | 1289.96   | 340.71                    | 318.61                  | 363.95 | 822    | 1186.92                   | 316.98                  | 295.68                    | 339.41 | 1.1 |
| 00MW                                | Isle of Wight UA               | 21.1                       | Q17  | J   | 1116                              | 1494.62   | 371.65                    | 350.17                  | 394.12 | 1035   | 1369.92                   | 345.80                  | 325.05                    | 367.53 | 1.1 |
| 00AU                                | Islington                      | 42.7                       | Q05  | H   | 2280                              | 1787.79   | 634.78                    | 608.99                  | 661.38 | 2076   | 1644.98                   | 577.63                  | 553.05                    | 603.03 | 1.1 |
| 46UB                                | Kennet                         | 10.1                       | Q20  | K   | 748                               | 790.19    | 471.17                    | 438.00                  | 506.18 | 694    | 726.93                    | 436.97                  | 405.06                    | 470.72 | 1.1 |
| 00AW                                | Kensington and Chelsea         | 21.5                       | Q04  | H   | 1528                              | 1649.81   | 460.99                    | 438.17                  | 484.70 | 1368   | 1514.63                   | 413.39                  | 391.77                    | 435.89 | 1.1 |
| 15UD                                | Kerrier                        | 25.2                       | Q21  | K   | 1276                              | 1018.96   | 623.30                    | 589.57                  | 658.47 | 1112   | 935.55                    | 544.03                  | 512.52                    | 576.97 | 1.1 |
| 34UE                                | Kettering                      | 15.3                       | Q25  | E   | 826                               | 887.97    | 463.01                    | 431.96                  | 495.69 | 767    | 816.98                    | 429.70                  | 399.83                    | 461.22 | 1.1 |
| 33UE                                | Kings Lynn and West Norfolk    | 19.1                       | Q01  | G   | 1590                              | 1483.48   | 533.48                    | 507.58                  | 560.37 | 1463   | 1361.28                   | 491.90                  | 467.02                    | 517.77 | 1.1 |
| 00FA                                | Kingston upon Hull, City of UA | 41.1                       | Q11  | D   | 2867                              | 2598.60   | 549.15                    | 529.23                  | 569.63 | 2698   | 2391.50                   | 516.36                  | 497.06                    | 536.23 | 1.1 |
| 00AX                                | Kingston upon Thames           | 11.6                       | Q08  | H   | 765                               | 1633.30   | 233.13                    | 216.90                  | 250.25 | 714    | 1502.56                   | 217.50                  | 201.83                    | 234.05 | 1.1 |
| 00CZ                                | Kirklees                       | 26.2                       | Q12  | D   | 4893                              | 4011.10   | 607.18                    | 590.28                  | 624.44 | 4465   | 3694.02                   | 553.23                  | 537.12                    | 569.70 | 1.1 |
| 00BX                                | Knowsley                       | 46.6                       | Q15  | B   | 2780                              | 1450.57   | 953.92                    | 918.79                  | 990.05 | 2510   | 1335.35                   | 860.33                  | 827.00                    | 894.66 | 1.1 |
| 00AY                                | Lambeth                        | 34.2                       | Q07  | H   | 2771                              | 2613.98   | 527.64                    | 508.18                  | 547.66 | 2555   | 2406.79                   | 485.89                  | 467.23                    | 505.10 | 1.1 |
| 30UH                                | Lancaster                      | 22.3                       | Q13  | B   | 1525                              | 1442.89   | 526.07                    | 499.99                  | 553.15 | 1381   | 1325.76                   | 476.78                  | 451.96                    | 502.60 | 1.1 |
| 00DA                                | Leeds                          | 27.7                       | Q12  | D   | 10213                             | 7979.89   | 637.03                    | 624.74                  | 649.51 | 9446   | 7340.10                   | 589.02                  | 577.20                    | 601.02 | 1.1 |
| 00FN                                | Leicester UA                   | 32.8                       | Q25  | E   | 3430                              | 3050.60   | 559.65                    | 541.07                  | 578.70 | 3107   | 2813.98                   | 505.37                  | 487.75                    | 523.45 | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                       |                            |          | Head injuriesall ages, Both Sexes |           |                           |                         |         |        |         |                           |                         |        |                           |
|-------------------------------------|-----------------------|----------------------------|----------|-----------------------------------|-----------|---------------------------|-------------------------|---------|--------|---------|---------------------------|-------------------------|--------|---------------------------|
|                                     |                       |                            |          | CIPS                              |           |                           |                         |         | People |         |                           |                         |        |                           |
| Label                               | Local authority       | IMD 2004:<br>Average Score | StHA GOR | Obs.                              | Exp.      | indirect rate per 100,000 | 95% Confidence interval |         | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |        | Ratio of spells to people |
| N/A                                 | ALL ENGLAND           |                            |          | 517900                            | 517900.00 | 497.74                    | 496.39                  | 499.10  | 476239 | #####   | 457.70                    | 456.40                  | 459.01 | 1.1                       |
| 21UF                                | Lewes                 | 12.9                       | Q19 J    | 960                               | 1057.69   | 451.77                    | 423.64                  | 481.28  | 898    | 969.61  | 423.90                    | 396.62                  | 452.56 | 1.1                       |
| 00AZ                                | Lewisham              | 28.6                       | Q07 H    | 2413                              | 2492.00   | 481.96                    | 462.92                  | 501.59  | 2230   | 2297.11 | 444.33                    | 426.08                  | 463.17 | 1.1                       |
| 41UD                                | Lichfield             | 12.0                       | Q26 F    | 895                               | 946.69    | 470.56                    | 440.24                  | 502.43  | 833    | 869.34  | 438.57                    | 409.29                  | 469.39 | 1.1                       |
| 32UD                                | Lincoln               | 27.2                       | Q24 E    | 1644                              | 932.10    | 877.90                    | 835.97                  | 921.39  | 1516   | 857.55  | 809.14                    | 768.92                  | 850.93 | 1.1                       |
| 00BY                                | Liverpool             | 49.8                       | Q15 B    | 8813                              | 4371.22   | 1003.52                   | 982.68                  | 1024.69 | 7899   | 4021.50 | 899.02                    | 879.30                  | 919.07 | 1.1                       |
| 00KA                                | Luton UA              | 23.3                       | Q02 G    | 1500                              | 1920.19   | 388.82                    | 369.39                  | 409.01  | 1414   | 1773.10 | 365.01                    | 346.23                  | 384.54 | 1.1                       |
| 13UG                                | Macclesfield          | 11.1                       | Q15 B    | 2017                              | 1544.03   | 650.21                    | 622.14                  | 679.22  | 1858   | 1416.75 | 600.26                    | 573.27                  | 628.19 | 1.1                       |
| 29UH                                | Maidstone             | 11.5                       | Q18 J    | 1354                              | 1466.98   | 459.41                    | 435.26                  | 484.55  | 1265   | 1348.19 | 429.46                    | 406.12                  | 453.80 | 1.1                       |
| 22UK                                | Maldon                | 10.7                       | Q03 G    | 522                               | 608.03    | 427.31                    | 391.44                  | 465.60  | 486    | 558.34  | 398.40                    | 363.77                  | 435.45 | 1.1                       |
| 47UC                                | Malvern Hills         | 13.1                       | Q28 F    | 654                               | 787.03    | 413.61                    | 382.51                  | 446.56  | 600    | 721.60  | 380.57                    | 350.72                  | 412.28 | 1.1                       |
| 00BN                                | Manchester            | 48.9                       | Q14 B    | 6905                              | 4954.87   | 693.64                    | 677.38                  | 710.20  | 6400   | 4567.59 | 641.32                    | 625.71                  | 657.23 | 1.1                       |
| 37UF                                | Mansfield             | 32.5                       | Q24 E    | 848                               | 990.00    | 426.35                    | 398.13                  | 456.04  | 776    | 910.06  | 390.28                    | 363.30                  | 418.73 | 1.1                       |
| 00LC                                | Medway UA             | 18.0                       | Q18 J    | 2531                              | 2433.07   | 517.78                    | 497.80                  | 538.35  | 2302   | 2240.77 | 470.21                    | 451.20                  | 489.82 | 1.1                       |
| 31UG                                | Melton                | 10.1                       | Q25 E    | 322                               | 483.22    | 331.68                    | 296.43                  | 369.96  | 300    | 443.68  | 309.48                    | 275.44                  | 346.56 | 1.1                       |
| 40UB                                | Mendip                | 14.5                       | Q22 K    | 1032                              | 1105.55   | 464.63                    | 436.71                  | 493.86  | 962    | 1015.72 | 433.50                    | 406.53                  | 461.78 | 1.1                       |
| 00BA                                | Merton                | 14.5                       | Q08 H    | 1757                              | 2003.39   | 436.53                    | 416.35                  | 457.43  | 1622   | 1843.41 | 402.73                    | 383.37                  | 422.82 | 1.1                       |
| 09UC                                | Mid Bedfordshire      | 7.7                        | Q02 G    | 786                               | 1262.38   | 309.91                    | 288.62                  | 332.36  | 746    | 1161.03 | 294.09                    | 273.36                  | 315.97 | 1.1                       |
| 18UD                                | Mid Devon             | 17.1                       | Q21 K    | 625                               | 760.07    | 409.29                    | 377.83                  | 442.68  | 569    | 698.18  | 373.02                    | 342.99                  | 404.96 | 1.1                       |
| 42UE                                | Mid Suffolk           | 9.8                        | Q01 G    | 566                               | 936.32    | 300.88                    | 276.60                  | 326.72  | 522    | 859.52  | 277.97                    | 254.63                  | 302.87 | 1.1                       |
| 45UG                                | Mid Sussex            | 6.4                        | Q19 J    | 1126                              | 1316.28   | 425.79                    | 401.28                  | 451.41  | 1057   | 1210.07 | 399.80                    | 376.06                  | 424.65 | 1.1                       |
| 00EC                                | Middlesbrough UA      | 40.7                       | Q10 A    | 1785                              | 1411.72   | 629.35                    | 600.49                  | 659.24  | 1694   | 1300.14 | 596.36                    | 568.30                  | 625.45 | 1.1                       |
| 00MG                                | Milton Keynes UA      | 15.6                       | Q16 J    | 2225                              | 2235.41   | 495.43                    | 475.05                  | 516.45  | 2001   | 2061.11 | 444.36                    | 425.10                  | 464.26 | 1.1                       |
| 43UE                                | Mole Valley           | 6.2                        | Q19 J    | 871                               | 862.85    | 502.45                    | 469.63                  | 536.95  | 793    | 791.95  | 458.31                    | 426.96                  | 491.35 | 1.1                       |
| 24UJ                                | New Forest            | 10.4                       | Q17 J    | 1870                              | 1924.77   | 483.58                    | 461.91                  | 506.01  | 1713   | 1763.72 | 444.54                    | 423.74                  | 466.10 | 1.1                       |
| 37UG                                | Newark and Sherwood   | 19.8                       | Q24 E    | 873                               | 1123.14   | 386.89                    | 361.64                  | 413.43  | 812    | 1031.66 | 360.25                    | 335.89                  | 385.90 | 1.1                       |
| 00CJ                                | Newcastle upon Tyne   | 34.5                       | Q09 A    | 3057                              | 2966.49   | 512.93                    | 494.91                  | 531.44  | 2889   | 2728.10 | 484.70                    | 467.18                  | 502.70 | 1.1                       |
| 41UE                                | Newcastle-under-Lyme  | 19.9                       | Q26 F    | 1147                              | 1243.27   | 459.20                    | 433.01                  | 486.56  | 1024   | 1141.72 | 410.51                    | 385.75                  | 436.45 | 1.1                       |
| 00BB                                | Newham                | 40.4                       | Q06 H    | 2597                              | 2350.39   | 549.97                    | 529.02                  | 571.54  | 2360   | 2176.21 | 496.36                    | 476.53                  | 516.80 | 1.1                       |
| 15UE                                | North Cornwall        | 22.8                       | Q21 K    | 951                               | 893.57    | 529.73                    | 496.59                  | 564.50  | 830    | 819.89  | 463.35                    | 432.36                  | 495.97 | 1.1                       |
| 18UE                                | North Devon           | 20.6                       | Q21 K    | 999                               | 944.38    | 526.53                    | 494.38                  | 560.22  | 896    | 866.76  | 473.14                    | 442.67                  | 505.17 | 1.1                       |
| 19UE                                | North Dorset          | 11.4                       | Q22 K    | 614                               | 666.45    | 458.57                    | 423.01                  | 496.32  | 556    | 612.26  | 415.64                    | 381.81                  | 451.67 | 1.1                       |
| 17UJ                                | North East Derbyshire | 18.9                       | Q24 E    | 829                               | 967.36    | 426.55                    | 398.00                  | 456.60  | 751    | 887.42  | 387.34                    | 360.13                  | 416.07 | 1.1                       |

| HES data 2009-2011: CIPS file v1Eng |                            |                               |          | Head injuriesall ages, Both Sexes |           |                                 |                            |        |        |         |                                 |                            |        |                                 |
|-------------------------------------|----------------------------|-------------------------------|----------|-----------------------------------|-----------|---------------------------------|----------------------------|--------|--------|---------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                            |                               |          | CIPS                              |           |                                 |                            |        | People |         |                                 |                            |        |                                 |
| Label                               | Local authority            | IMD 2004:<br>Average<br>Score | StHA GOR | Obs.                              | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND                |                               |          | 517900                            | 517900.00 | 497.74                          | 496.39                     | 499.10 | 476239 | #####   | 457.70                          | 456.40                     | 459.01 | 1.1                             |
| 00FC                                | North East Lincolnshire UA | 29.4                          | Q11 D    | 1636                              | 1575.35   | 516.91                          | 492.16                     | 542.57 | 1529   | 1448.75 | 483.06                          | 459.14                     | 507.89 | 1.1                             |
| 26UF                                | North Hertfordshire        | 10.1                          | Q02 G    | 997                               | 1246.36   | 398.16                          | 373.82                     | 423.66 | 918    | 1145.67 | 366.75                          | 343.40                     | 391.26 | 1.1                             |
| 32UE                                | North Kesteven             | 11.5                          | Q24 E    | 1138                              | 1052.18   | 538.34                          | 507.51                     | 570.55 | 1050   | 965.91  | 497.55                          | 467.91                     | 528.58 | 1.1                             |
| 00FD                                | North Lincolnshire UA      | 21.2                          | Q11 D    | 1176                              | 1590.41   | 368.05                          | 347.31                     | 389.70 | 1089   | 1461.53 | 341.04                          | 321.08                     | 361.91 | 1.1                             |
| 33UF                                | North Norfolk              | 16.9                          | Q01 G    | 720                               | 1106.48   | 323.89                          | 300.66                     | 348.44 | 654    | 1012.76 | 295.57                          | 273.34                     | 319.11 | 1.1                             |
| 39UC                                | North Shropshire           | 16.6                          | Q26 F    | 454                               | 615.19    | 367.33                          | 334.31                     | 402.72 | 425    | 565.04  | 344.27                          | 312.31                     | 378.61 | 1.1                             |
| 00HC                                | North Somerset UA          | 14.1                          | Q20 K    | 1718                              | 2176.62   | 392.87                          | 374.51                     | 411.90 | 1575   | 1998.01 | 360.80                          | 343.20                     | 379.07 | 1.1                             |
| 00CK                                | North Tyneside             | 26.0                          | Q09 A    | 2891                              | 1964.82   | 732.37                          | 705.91                     | 759.57 | 2666   | 1804.86 | 676.08                          | 650.66                     | 702.25 | 1.1                             |
| 44UB                                | North Warwickshire         | 16.4                          | Q28 F    | 506                               | 590.09    | 426.81                          | 390.42                     | 465.67 | 479    | 541.78  | 404.67                          | 369.23                     | 442.59 | 1.1                             |
| 31UH                                | North West Leicestershire  | 15.9                          | Q25 E    | 764                               | 879.33    | 432.46                          | 402.33                     | 464.24 | 697    | 808.06  | 394.80                          | 366.03                     | 425.23 | 1.1                             |
| 46UC                                | North Wiltshire            | 8.4                           | Q20 K    | 987                               | 1290.96   | 380.55                          | 357.17                     | 405.05 | 901    | 1187.05 | 347.41                          | 325.09                     | 370.85 | 1.1                             |
| 34UF                                | Northampton                | 20.2                          | Q25 E    | 1856                              | 2089.39   | 442.14                          | 422.26                     | 462.73 | 1723   | 1923.86 | 409.92                          | 390.79                     | 429.74 | 1.1                             |
| 33UG                                | Norwich                    | 28.3                          | Q01 G    | 1211                              | 1485.59   | 405.74                          | 383.21                     | 429.26 | 1089   | 1365.16 | 365.11                          | 343.75                     | 387.46 | 1.1                             |
| 00FY                                | Nottingham UA              | 41.8                          | Q24 E    | 2416                              | 3075.28   | 391.04                          | 375.60                     | 406.95 | 2262   | 2832.40 | 365.53                          | 350.62                     | 380.91 | 1.1                             |
| 44UC                                | Nuneaton and Bedworth      | 21.2                          | Q28 F    | 1201                              | 1188.17   | 503.12                          | 475.06                     | 532.40 | 1126   | 1093.04 | 471.51                          | 444.36                     | 499.87 | 1.1                             |
| 31UJ                                | Oadby and Wigston          | 9.7                           | Q25 E    | 543                               | 605.62    | 446.28                          | 409.53                     | 485.45 | 491    | 556.44  | 403.87                          | 368.93                     | 441.23 | 1.1                             |
| 00BP                                | Oldham                     | 30.7                          | Q14 B    | 3321                              | 2154.26   | 767.32                          | 741.44                     | 793.87 | 3026   | 1985.99 | 697.39                          | 672.76                     | 722.69 | 1.1                             |
| 39UD                                | Oswestry                   | 17.1                          | Q26 F    | 213                               | 405.16    | 261.67                          | 227.70                     | 299.27 | 199    | 372.17  | 244.73                          | 211.91                     | 281.20 | 1.1                             |
| 38UC                                | Oxford                     | 19.7                          | Q16 J    | 1744                              | 1565.91   | 554.35                          | 528.64                     | 581.00 | 1622   | 1441.82 | 514.90                          | 490.14                     | 540.58 | 1.1                             |
| 30UJ                                | Pendle                     | 27.6                          | Q13 B    | 966                               | 889.67    | 540.44                          | 506.90                     | 575.63 | 911    | 818.97  | 509.13                          | 476.60                     | 543.30 | 1.1                             |
| 15UF                                | Penwith                    | 29.0                          | Q21 K    | 725                               | 691.04    | 522.20                          | 484.88                     | 561.64 | 626    | 633.38  | 452.37                          | 417.62                     | 489.24 | 1.2                             |
| 00JA                                | Peterborough UA            | 23.4                          | Q01 G    | 1851                              | 1683.35   | 547.31                          | 522.66                     | 572.83 | 1715   | 1551.39 | 505.97                          | 482.31                     | 530.50 | 1.1                             |
| 00HG                                | Plymouth UA                | 26.2                          | Q21 K    | 2899                              | 2623.59   | 549.99                          | 530.15                     | 570.39 | 2695   | 2412.47 | 511.31                          | 492.18                     | 530.98 | 1.1                             |
| 00HP                                | Poole UA                   | 14.3                          | Q22 K    | 2182                              | 1512.07   | 718.27                          | 688.44                     | 749.05 | 2012   | 1387.87 | 663.53                          | 634.85                     | 693.18 | 1.1                             |
| 00MR                                | Portsmouth UA              | 24.9                          | Q17 J    | 2616                              | 2098.14   | 620.60                          | 597.04                     | 644.84 | 2378   | 1929.99 | 563.95                          | 541.51                     | 587.08 | 1.1                             |
| 30UK                                | Preston                    | 28.5                          | Q13 B    | 1748                              | 1336.69   | 650.90                          | 620.74                     | 682.15 | 1609   | 1231.04 | 598.23                          | 569.35                     | 628.19 | 1.1                             |
| 19UG                                | Purbeck                    | 12.6                          | Q22 K    | 562                               | 474.87    | 589.07                          | 541.36                     | 639.85 | 513    | 435.26  | 539.45                          | 493.77                     | 588.22 | 1.1                             |
| 00MC                                | Reading UA                 | 18.8                          | Q16 J    | 1058                              | 1545.44   | 340.75                          | 320.53                     | 361.92 | 980    | 1423.18 | 315.17                          | 295.75                     | 335.54 | 1.1                             |
| 00BC                                | Redbridge                  | 17.8                          | Q06 H    | 2808                              | 2618.56   | 533.75                          | 514.19                     | 553.87 | 2589   | 2413.85 | 490.92                          | 472.19                     | 510.20 | 1.1                             |
| 00EE                                | Redcar and Cleveland UA    | 30.6                          | Q10 A    | 1346                              | 1369.58   | 489.17                          | 463.39                     | 516.02 | 1294   | 1258.33 | 470.68                          | 445.38                     | 497.04 | 1.0                             |
| 47UD                                | Redditch                   | 19.4                          | Q28 F    | 774                               | 754.61    | 510.54                          | 475.20                     | 547.81 | 733    | 694.58  | 483.02                          | 448.68                     | 519.29 | 1.1                             |
| 43UF                                | Reigate and Banstead       | 9.0                           | Q19 J    | 1360                              | 1377.32   | 491.48                          | 465.71                     | 518.32 | 1229   | 1266.09 | 444.29                          | 419.80                     | 469.85 | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                       |                            |      |     | Head injuriesall ages, Both Sexes |           |                           |                         |        |        |                           |                         |                           |        |     |
|-------------------------------------|-----------------------|----------------------------|------|-----|-----------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------------------------|-------------------------|---------------------------|--------|-----|
|                                     |                       |                            |      |     | CIPS                              |           |                           |                         | People |        |                           |                         |                           |        |     |
| Label                               | Local authority       | IMD 2004:<br>Average Score | StHA | GOR | Obs.                              | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.   | Exp.   | indirect rate per 100,000 | 95% Confidence interval | Ratio of spells to people |        |     |
| N/A                                 | ALL ENGLAND           |                            |      |     | 517900                            | 517900.00 | 497.74                    | 496.39                  | 499.10 | 476239 | #####                     | 457.70                  | 456.40                    | 459.01 | 1.1 |
| 15UG                                | Restormel             | 23.9                       | Q21  | K   | 1313                              | 1053.74   | 620.20                    | 587.11                  | 654.68 | 1154   | 967.48                    | 545.94                  | 514.89                    | 578.37 | 1.1 |
| 30UL                                | Ribble Valley         | 10.3                       | Q13  | B   | 517                               | 561.20    | 458.54                    | 419.86                  | 499.83 | 478    | 515.12                    | 424.72                  | 387.49                    | 464.56 | 1.1 |
| 00BD                                | Richmond upon Thames  | 9.7                        | Q08  | H   | 1422                              | 1823.22   | 388.21                    | 368.29                  | 408.93 | 1310   | 1677.14                   | 357.51                  | 338.41                    | 377.41 | 1.1 |
| 36UE                                | Richmondshire         | 12.5                       | Q11  | D   | 581                               | 519.24    | 556.95                    | 512.57                  | 604.13 | 553    | 477.36                    | 530.23                  | 486.95                    | 576.32 | 1.1 |
| 00BQ                                | Rochdale              | 33.7                       | Q14  | B   | 3278                              | 2012.90   | 810.57                    | 783.06                  | 838.81 | 2998   | 1854.71                   | 739.85                  | 713.60                    | 766.81 | 1.1 |
| 22UL                                | Rochford              | 8.7                        | Q03  | G   | 561                               | 825.34    | 338.32                    | 310.90                  | 367.52 | 524    | 757.94                    | 316.43                  | 289.91                    | 344.72 | 1.1 |
| 30UM                                | Rossendale            | 24.1                       | Q13  | B   | 817                               | 646.60    | 628.91                    | 586.52                  | 673.56 | 747    | 595.06                    | 574.57                  | 534.10                    | 617.29 | 1.1 |
| 21UG                                | Rother                | 16.2                       | Q19  | J   | 948                               | 1024.19   | 460.72                    | 431.85                  | 491.01 | 875    | 937.70                    | 427.10                  | 399.27                    | 456.36 | 1.1 |
| 00CF                                | Rotherham             | 28.2                       | Q23  | D   | 2647                              | 2475.78   | 532.17                    | 512.08                  | 552.83 | 2417   | 2277.10                   | 485.82                  | 466.65                    | 505.59 | 1.1 |
| 44UD                                | Rugby                 | 13.6                       | Q28  | F   | 777                               | 924.97    | 418.12                    | 389.23                  | 448.58 | 741    | 850.70                    | 398.68                  | 370.49                    | 428.45 | 1.0 |
| 43UG                                | Runnymede             | 7.8                        | Q19  | J   | 519                               | 866.26    | 298.21                    | 273.10                  | 325.01 | 473    | 795.50                    | 272.15                  | 248.17                    | 297.82 | 1.1 |
| 37UJ                                | Rushcliffe            | 9.0                        | Q24  | E   | 558                               | 1108.53   | 250.55                    | 230.19                  | 272.23 | 514    | 1018.21                   | 231.05                  | 211.51                    | 251.92 | 1.1 |
| 24UL                                | Rushmoor              | 10.4                       | Q17  | J   | 927                               | 900.33    | 512.49                    | 480.02                  | 546.57 | 867    | 828.83                    | 478.78                  | 447.44                    | 511.74 | 1.1 |
| 00FP                                | Rutland UA            | 6.6                        | Q25  | E   | 317                               | 394.44    | 400.02                    | 357.19                  | 446.57 | 283    | 362.51                    | 357.32                  | 316.89                    | 401.47 | 1.1 |
| 36UF                                | Ryedale               | 12.9                       | Q11  | D   | 394                               | 538.03    | 364.49                    | 329.39                  | 402.33 | 357    | 493.35                    | 331.20                  | 297.73                    | 367.41 | 1.1 |
| 00BR                                | Salford               | 38.2                       | Q14  | B   | 3819                              | 2283.19   | 832.55                    | 806.35                  | 859.39 | 3458   | 2101.31                   | 753.21                  | 728.32                    | 778.75 | 1.1 |
| 46UD                                | Salisbury             | 11.8                       | Q20  | K   | 1409                              | 1202.61   | 583.17                    | 553.11                  | 614.43 | 1309   | 1104.42                   | 542.49                  | 513.49                    | 572.69 | 1.1 |
| 00CS                                | Sandwell              | 35.4                       | Q27  | F   | 3272                              | 2932.74   | 555.32                    | 536.46                  | 574.68 | 3010   | 2702.00                   | 509.88                  | 491.82                    | 528.43 | 1.1 |
| 36UG                                | Scarborough           | 24.1                       | Q11  | D   | 1037                              | 1140.48   | 452.58                    | 425.45                  | 480.99 | 964    | 1045.87                   | 421.87                  | 395.66                    | 449.37 | 1.1 |
| 20UG                                | Sedgefield            | 29.1                       | Q10  | A   | 964                               | 846.29    | 566.98                    | 531.74                  | 603.93 | 890    | 777.74                    | 523.77                  | 489.92                    | 559.34 | 1.1 |
| 40UC                                | Sedgemoor             | 17.4                       | Q22  | K   | 881                               | 1140.75   | 384.41                    | 359.44                  | 410.65 | 808    | 1047.29                   | 353.12                  | 329.19                    | 378.34 | 1.1 |
| 00CA                                | Sefton                | 26.1                       | Q15  | B   | 3859                              | 2776.07   | 691.91                    | 670.25                  | 714.09 | 3573   | 2548.42                   | 641.72                  | 620.85                    | 663.12 | 1.1 |
| 36UH                                | Selby                 | 13.1                       | Q11  | D   | 693                               | 785.80    | 438.96                    | 406.88                  | 472.90 | 652    | 722.32                    | 413.14                  | 382.04                    | 446.11 | 1.1 |
| 29UK                                | Sevenoaks             | 9.6                        | Q18  | J   | 1185                              | 1133.38   | 520.41                    | 491.20                  | 550.91 | 1090   | 1041.67                   | 478.94                  | 450.93                    | 508.24 | 1.1 |
| 00CG                                | Sheffield             | 28.4                       | Q23  | D   | 4117                              | 5568.37   | 368.01                    | 356.85                  | 379.43 | 3818   | 5120.46                   | 341.28                  | 330.54                    | 352.28 | 1.1 |
| 29UL                                | Shepway               | 20.8                       | Q18  | J   | 821                               | 1045.16   | 390.99                    | 364.70                  | 418.68 | 746    | 959.56                    | 355.84                  | 330.76                    | 382.32 | 1.1 |
| 39UE                                | Shrewsbury and Atcham | 15.7                       | Q26  | F   | 923                               | 974.65    | 471.36                    | 441.44                  | 502.78 | 872    | 895.12                    | 445.88                  | 416.77                    | 476.49 | 1.1 |
| 00MD                                | Slough UA             | 20.9                       | Q16  | J   | 1272                              | 1262.70   | 501.41                    | 474.23                  | 529.74 | 1173   | 1165.13                   | 460.80                  | 434.80                    | 487.94 | 1.1 |
| 00CT                                | Solihull              | 16.4                       | Q27  | F   | 1931                              | 2058.86   | 466.83                    | 446.24                  | 488.13 | 1783   | 1892.06                   | 431.32                  | 411.53                    | 451.82 | 1.1 |
| 09UE                                | South Bedfordshire    | 12.3                       | Q02  | G   | 798                               | 1137.93   | 349.05                    | 325.25                  | 374.14 | 744    | 1047.08                   | 325.22                  | 302.27                    | 349.45 | 1.1 |
| 11UE                                | South Bucks           | 8.1                        | Q16  | J   | 548                               | 667.61    | 408.57                    | 375.07                  | 444.25 | 512    | 613.38                    | 382.05                  | 349.67                    | 416.63 | 1.1 |
| 12UG                                | South Cambridgeshire  | 6.4                        | Q01  | G   | 1060                              | 1416.11   | 372.58                    | 350.48                  | 395.70 | 993    | 1302.22                   | 349.02                  | 327.65                    | 371.42 | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                          |                            |      |     | Head injuriesall ages, Both Sexes |           |                           |                         |        |        |                           |                         |                           |        |     |
|-------------------------------------|--------------------------|----------------------------|------|-----|-----------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------------------------|-------------------------|---------------------------|--------|-----|
|                                     |                          |                            |      |     | CIPS                              |           |                           |                         |        | People |                           |                         |                           |        |     |
| Label                               | Local authority          | IMD 2004:<br>Average Score | StHA | GOR | Obs.                              | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.   | Exp.   | indirect rate per 100,000 | 95% Confidence interval | Ratio of spells to people |        |     |
| N/A                                 | ALL ENGLAND              |                            |      |     | 517900                            | 517900.00 | 497.74                    | 496.39                  | 499.10 | 476239 | #####                     | 457.70                  | 456.40                    | 459.01 | 1.1 |
| 17UK                                | South Derbyshire         | 14.8                       | Q24  | E   | 802                               | 885.94    | 450.58                    | 419.93                  | 482.88 | 733    | 815.17                    | 411.57                  | 382.31                    | 442.47 | 1.1 |
| 00HD                                | South Gloucestershire UA | 9.8                        | Q20  | K   | 2071                              | 2567.25   | 401.53                    | 384.42                  | 419.20 | 1931   | 2360.48                   | 374.43                  | 357.91                    | 391.51 | 1.1 |
| 18UG                                | South Hams               | 14.2                       | Q21  | K   | 773                               | 858.72    | 448.06                    | 417.02                  | 480.79 | 670    | 787.18                    | 389.57                  | 360.62                    | 420.22 | 1.2 |
| 32UF                                | South Holland            | 15.3                       | Q24  | E   | 676                               | 864.03    | 389.42                    | 360.62                  | 419.92 | 642    | 792.64                    | 370.72                  | 342.59                    | 400.54 | 1.1 |
| 32UG                                | South Kesteven           | 12.2                       | Q24  | E   | 987                               | 1313.64   | 373.98                    | 351.01                  | 398.06 | 917    | 1206.54                   | 347.87                  | 325.71                    | 371.13 | 1.1 |
| 16UG                                | South Lakeland           | 12.0                       | Q13  | B   | 902                               | 1072.78   | 418.50                    | 391.63                  | 446.73 | 836    | 982.92                    | 389.29                  | 363.34                    | 416.60 | 1.1 |
| 33UH                                | South Norfolk            | 10.7                       | Q01  | G   | 695                               | 1209.69   | 285.97                    | 265.10                  | 308.04 | 620    | 1110.29                   | 255.59                  | 235.86                    | 276.52 | 1.1 |
| 34UG                                | South Northamptonshire   | 6.6                        | Q25  | E   | 545                               | 825.80    | 328.49                    | 301.49                  | 357.27 | 515    | 759.10                    | 310.52                  | 284.28                    | 338.54 | 1.1 |
| 38UD                                | South Oxfordshire        | 7.7                        | Q16  | J   | 1103                              | 1293.26   | 424.52                    | 399.83                  | 450.33 | 1038   | 1188.81                   | 399.64                  | 375.69                    | 424.71 | 1.1 |
| 30UN                                | South Ribble             | 14.0                       | Q13  | B   | 953                               | 1051.66   | 451.05                    | 422.86                  | 480.62 | 890    | 966.38                    | 421.53                  | 394.29                    | 450.16 | 1.1 |
| 39UF                                | South Shropshire         | 15.5                       | Q26  | F   | 318                               | 443.58    | 356.83                    | 318.69                  | 398.29 | 285    | 406.45                    | 320.94                  | 284.76                    | 360.45 | 1.1 |
| 40UD                                | South Somerset           | 13.7                       | Q22  | K   | 1806                              | 1641.31   | 547.69                    | 522.72                  | 573.54 | 1634   | 1506.50                   | 496.44                  | 472.66                    | 521.11 | 1.1 |
| 41UF                                | South Staffordshire      | 11.7                       | Q26  | F   | 739                               | 1042.31   | 352.90                    | 327.91                  | 379.29 | 674    | 956.02                    | 322.68                  | 298.78                    | 347.99 | 1.1 |
| 00CL                                | South Tyneside           | 33.1                       | Q09  | A   | 1841                              | 1540.77   | 594.73                    | 567.87                  | 622.53 | 1703   | 1414.96                   | 550.88                  | 525.02                    | 577.68 | 1.1 |
| 00MS                                | Southampton UA           | 23.7                       | Q17  | J   | 3222                              | 2459.02   | 652.18                    | 629.85                  | 675.10 | 2971   | 2262.11                   | 601.14                  | 579.71                    | 623.15 | 1.1 |
| 00KF                                | Southend-On-Sea UA       | 21.7                       | Q03  | G   | 1497                              | 1722.15   | 432.67                    | 411.03                  | 455.16 | 1374   | 1582.87                   | 397.31                  | 376.57                    | 418.88 | 1.1 |
| 00BE                                | Southwark                | 35.4                       | Q07  | H   | 2571                              | 2708.53   | 472.47                    | 454.38                  | 491.09 | 2390   | 2493.97                   | 438.62                  | 421.21                    | 456.57 | 1.1 |
| 43UH                                | Spelthorne               | 10.4                       | Q19  | J   | 630                               | 934.88    | 335.42                    | 309.74                  | 362.67 | 573    | 858.77                    | 305.40                  | 280.90                    | 331.46 | 1.1 |
| 26UG                                | St. Albans               | 7.7                        | Q02  | G   | 853                               | 1350.53   | 314.38                    | 293.63                  | 336.20 | 779    | 1243.42                   | 286.75                  | 266.96                    | 307.61 | 1.1 |
| 42UF                                | St. Edmundsbury          | 11.5                       | Q01  | G   | 877                               | 1039.71   | 419.85                    | 392.52                  | 448.58 | 825    | 955.21                    | 395.31                  | 368.79                    | 423.23 | 1.1 |
| 00BZ                                | St. Helens               | 32.0                       | Q15  | B   | 3137                              | 1703.62   | 916.53                    | 884.73                  | 949.18 | 2792   | 1566.51                   | 815.77                  | 785.79                    | 846.60 | 1.1 |
| 41UG                                | Stafford                 | 12.9                       | Q26  | F   | 1393                              | 1246.75   | 556.13                    | 527.30                  | 586.12 | 1285   | 1144.37                   | 513.95                  | 486.23                    | 542.84 | 1.1 |
| 41UH                                | Staffordshire Moorlands  | 16.5                       | Q26  | F   | 851                               | 932.90    | 454.05                    | 424.05                  | 485.61 | 778    | 855.65                    | 416.17                  | 387.43                    | 446.47 | 1.1 |
| 26UH                                | Stevenage                | 15.6                       | Q02  | G   | 657                               | 792.75    | 412.51                    | 381.56                  | 445.29 | 603    | 729.90                    | 378.13                  | 348.54                    | 409.55 | 1.1 |
| 00BS                                | Stockport                | 18.1                       | Q14  | B   | 3741                              | 2823.69   | 659.44                    | 638.48                  | 680.92 | 3418   | 2594.59                   | 602.96                  | 582.91                    | 623.52 | 1.1 |
| 00EF                                | Stockton-On-Tees UA      | 26.3                       | Q10  | A   | 2275                              | 1850.47   | 611.93                    | 587.04                  | 637.61 | 2113   | 1702.67                   | 568.01                  | 544.04                    | 592.75 | 1.1 |
| 00GL                                | Stoke-On-Trent UA        | 35.3                       | Q26  | F   | 2668                              | 2398.98   | 553.56                    | 532.75                  | 574.97 | 2406   | 2208.18                   | 498.71                  | 478.98                    | 519.04 | 1.1 |
| 44UE                                | Stratford-On-Avon        | 8.8                        | Q28  | F   | 932                               | 1184.33   | 391.70                    | 366.95                  | 417.67 | 884    | 1086.75                   | 372.31                  | 348.17                    | 397.69 | 1.1 |
| 23UF                                | Stroud                   | 10.2                       | Q20  | K   | 710                               | 1115.05   | 316.94                    | 294.05                  | 341.13 | 657    | 1023.89                   | 293.69                  | 271.66                    | 317.04 | 1.1 |
| 42UG                                | Suffolk Coastal          | 11.5                       | Q01  | G   | 659                               | 1283.60   | 255.54                    | 236.40                  | 275.82 | 616    | 1177.15                   | 239.52                  | 220.97                    | 259.20 | 1.1 |
| 00CM                                | Sunderland               | 34.2                       | Q09  | A   | 3558                              | 2741.19   | 646.06                    | 625.00                  | 667.64 | 3322   | 2519.46                   | 603.50                  | 583.15                    | 624.38 | 1.1 |
| 43UJ                                | Surrey Heath             | 4.9                        | Q19  | J   | 805                               | 804.50    | 498.06                    | 464.24                  | 533.68 | 732    | 739.95                    | 452.78                  | 420.57                    | 486.81 | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                       |                            |      |     | Head injuriesall ages, Both Sexes |           |                           |                         |        |        |                           |                         |                           |        |     |
|-------------------------------------|-----------------------|----------------------------|------|-----|-----------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------------------------|-------------------------|---------------------------|--------|-----|
|                                     |                       |                            |      |     | CIPS                              |           |                           |                         | People |        |                           |                         |                           |        |     |
| Label                               | Local authority       | IMD 2004:<br>Average Score | StHA | GOR | Obs.                              | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.   | Exp.   | indirect rate per 100,000 | 95% Confidence interval | Ratio of spells to people |        |     |
| N/A                                 | ALL ENGLAND           |                            |      |     | 517900                            | 517900.00 | 497.74                    | 496.39                  | 499.10 | 476239 | #####                     | 457.70                  | 456.40                    | 459.01 | 1.1 |
| 00BF                                | Sutton                | 13.3                       | Q08  | H   | 1890                              | 1878.36   | 500.83                    | 478.50                  | 523.93 | 1728   | 1728.26                   | 457.64                  | 436.31                    | 479.73 | 1.1 |
| 29UM                                | Swale                 | 20.9                       | Q18  | J   | 1215                              | 1281.47   | 471.93                    | 445.76                  | 499.23 | 1085   | 1179.41                   | 421.07                  | 396.38                    | 446.89 | 1.1 |
| 00HX                                | Swindon UA            | 17.2                       | Q20  | K   | 1734                              | 1933.32   | 446.43                    | 425.66                  | 467.95 | 1610   | 1779.21                   | 414.17                  | 394.19                    | 434.91 | 1.1 |
| 00BT                                | Tameside              | 29.8                       | Q14  | B   | 2313                              | 2109.88   | 545.66                    | 523.65                  | 568.36 | 2162   | 1941.47                   | 509.69                  | 488.43                    | 531.64 | 1.1 |
| 41UK                                | Tamworth              | 19.7                       | Q26  | F   | 636                               | 710.04    | 445.84                    | 411.86                  | 481.88 | 612    | 653.79                    | 428.45                  | 395.17                    | 463.78 | 1.0 |
| 43UK                                | Tandridge             | 8.3                        | Q19  | J   | 719                               | 839.28    | 426.41                    | 395.80                  | 458.75 | 639    | 771.26                    | 379.21                  | 350.38                    | 409.79 | 1.1 |
| 40UE                                | Taunton Deane         | 16.3                       | Q22  | K   | 1223                              | 1148.09   | 530.22                    | 500.92                  | 560.79 | 1105   | 1054.31                   | 479.71                  | 451.84                    | 508.85 | 1.1 |
| 20UH                                | Teesdale              | 16.4                       | Q10  | A   | 197                               | 242.00    | 405.19                    | 350.58                  | 465.90 | 179    | 221.90                    | 369.21                  | 317.10                    | 427.44 | 1.1 |
| 18UH                                | Teignbridge           | 17.0                       | Q21  | K   | 1342                              | 1357.38   | 492.10                    | 466.12                  | 519.16 | 1193   | 1244.21                   | 438.87                  | 414.31                    | 464.49 | 1.1 |
| 00GF                                | Telford and Wrekin UA | 21.8                       | Q26  | F   | 1279                              | 1552.33   | 410.10                    | 387.93                  | 433.21 | 1175   | 1429.48                   | 376.22                  | 355.01                    | 398.37 | 1.1 |
| 22UN                                | Tendring              | 23.1                       | Q03  | G   | 1169                              | 1648.29   | 353.01                    | 333.06                  | 373.84 | 1076   | 1510.15                   | 326.12                  | 306.92                    | 346.20 | 1.1 |
| 24UN                                | Test Valley           | 8.7                        | Q17  | J   | 857                               | 1118.39   | 381.41                    | 356.30                  | 407.82 | 798    | 1027.68                   | 355.41                  | 331.18                    | 380.95 | 1.1 |
| 23UG                                | Tewkesbury            | 10.1                       | Q20  | K   | 563                               | 817.88    | 342.63                    | 314.91                  | 372.14 | 516    | 750.79                    | 314.57                  | 288.01                    | 342.92 | 1.1 |
| 29UN                                | Thanet                | 25.6                       | Q18  | J   | 1329                              | 1393.91   | 474.56                    | 449.39                  | 500.78 | 1209   | 1280.66                   | 432.09                  | 408.08                    | 457.15 | 1.1 |
| 26UJ                                | Three Rivers          | 9.4                        | Q02  | G   | 600                               | 890.82    | 335.25                    | 308.95                  | 363.18 | 569    | 818.86                    | 318.04                  | 292.44                    | 345.28 | 1.1 |
| 00KG                                | Thurrock UA           | 21.2                       | Q03  | G   | 1010                              | 1526.14   | 329.41                    | 309.40                  | 350.37 | 927    | 1406.04                   | 301.76                  | 282.65                    | 321.83 | 1.1 |
| 29UP                                | Tonbridge and Malling | 9.6                        | Q18  | J   | 1301                              | 1141.23   | 567.43                    | 537.01                  | 599.12 | 1188   | 1049.99                   | 517.86                  | 488.83                    | 548.17 | 1.1 |
| 00HH                                | Torbay UA             | 23.7                       | Q21  | K   | 1759                              | 1459.77   | 599.77                    | 572.07                  | 628.47 | 1549   | 1338.50                   | 529.68                  | 503.63                    | 556.74 | 1.1 |
| 18UK                                | Torridge              | 21.4                       | Q21  | K   | 537                               | 663.53    | 402.83                    | 369.47                  | 438.39 | 487    | 608.44                    | 366.35                  | 334.53                    | 400.38 | 1.1 |
| 00BG                                | Tower Hamlets         | 45.9                       | Q06  | H   | 2124                              | 2232.34   | 473.59                    | 453.66                  | 494.16 | 1971   | 2060.41                   | 437.84                  | 418.72                    | 457.61 | 1.1 |
| 00BU                                | Trafford              | 20.2                       | Q14  | B   | 2379                              | 2150.14   | 550.72                    | 528.81                  | 573.31 | 2181   | 1977.63                   | 504.77                  | 483.81                    | 526.41 | 1.1 |
| 29UQ                                | Tunbridge Wells       | 10.5                       | Q18  | J   | 1632                              | 1075.36   | 755.39                    | 719.18                  | 792.95 | 1465   | 988.94                    | 678.03                  | 643.75                    | 713.66 | 1.1 |
| 35UF                                | Tynedale              | 15.5                       | Q09  | A   | 549                               | 586.50    | 465.91                    | 427.75                  | 506.57 | 508    | 537.81                    | 432.34                  | 395.55                    | 471.62 | 1.1 |
| 22UQ                                | Uttlesford            | 6.7                        | Q03  | G   | 556                               | 742.39    | 372.78                    | 342.43                  | 405.09 | 527    | 682.79                    | 353.27                  | 323.75                    | 384.76 | 1.1 |
| 38UE                                | Vale of White Horse   | 6.9                        | Q16  | J   | 1081                              | 1188.99   | 452.54                    | 425.96                  | 480.34 | 1004   | 1093.06                   | 420.41                  | 394.80                    | 447.24 | 1.1 |
| 13UH                                | Vale Royal            | 17.1                       | Q15  | B   | 1522                              | 1237.39   | 612.23                    | 581.85                  | 643.78 | 1366   | 1137.10                   | 549.84                  | 521.07                    | 579.79 | 1.1 |
| 00DB                                | Wakefield             | 29.1                       | Q12  | D   | 4082                              | 3159.85   | 643.00                    | 623.43                  | 663.04 | 3753   | 2904.61                   | 591.39                  | 572.62                    | 610.62 | 1.1 |
| 00CU                                | Walsall               | 29.4                       | Q27  | F   | 1955                              | 2565.34   | 379.32                    | 362.69                  | 396.52 | 1821   | 2362.30                   | 352.83                  | 336.80                    | 369.41 | 1.1 |
| 00BH                                | Waltham Forest        | 30.2                       | Q06  | H   | 2887                              | 2173.09   | 661.26                    | 637.36                  | 685.83 | 2631   | 2005.81                   | 600.36                  | 577.64                    | 623.75 | 1.1 |
| 00BJ                                | Wandsworth            | 20.9                       | Q08  | H   | 2717                              | 2734.91   | 494.48                    | 476.06                  | 513.43 | 2499   | 2515.92                   | 454.62                  | 436.97                    | 472.81 | 1.1 |
| 35UG                                | Wansbeck              | 30.5                       | Q09  | A   | 1031                              | 610.75    | 840.23                    | 789.72                  | 893.13 | 921    | 561.07                    | 751.32                  | 703.57                    | 801.45 | 1.1 |
| 00EU                                | Warrington UA         | 19.4                       | Q15  | B   | 3307                              | 1894.73   | 868.75                    | 839.39                  | 898.87 | 2975   | 1742.47                   | 781.46                  | 753.63                    | 810.05 | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                           |                               |      |     | Head injuriesall ages, Both Sexes |           |                                 |                            |        |        |         |                                 |                            |        |                                 |
|-------------------------------------|---------------------------|-------------------------------|------|-----|-----------------------------------|-----------|---------------------------------|----------------------------|--------|--------|---------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                           |                               |      |     | CIPS                              |           |                                 |                            |        | People |         |                                 |                            |        |                                 |
| Label                               | Local authority           | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                              | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND               |                               |      |     | 517900                            | 517900.00 | 497.74                          | 496.39                     | 499.10 | 476239 | #####   | 457.70                          | 456.40                     | 459.01 | 1.1                             |
| 44UF                                | Warwick                   | 12.6                          | Q28  | F   | 1254                              | 1389.33   | 449.26                          | 424.73                     | 474.83 | 1192   | 1275.80 | 427.64                          | 403.70                     | 452.62 | 1.1                             |
| 26UK                                | Watford                   | 14.5                          | Q02  | G   | 705                               | 825.41    | 425.13                          | 394.33                     | 457.71 | 652    | 760.11  | 392.61                          | 363.04                     | 423.94 | 1.1                             |
| 42UH                                | Waveney                   | 21.8                          | Q01  | G   | 696                               | 1254.73   | 276.10                          | 255.96                     | 297.40 | 628    | 1150.92 | 249.75                          | 230.59                     | 270.07 | 1.1                             |
| 43UL                                | Waverley                  | 6.2                           | Q19  | J   | 1035                              | 1244.75   | 413.87                          | 389.04                     | 439.87 | 967    | 1144.37 | 386.76                          | 362.77                     | 411.93 | 1.1                             |
| 21UH                                | Wealden                   | 9.4                           | Q19  | J   | 1492                              | 1496.97   | 496.09                          | 471.24                     | 521.92 | 1400   | 1373.07 | 466.68                          | 442.55                     | 491.78 | 1.1                             |
| 20UJ                                | Wear Valley               | 32.6                          | Q10  | A   | 717                               | 625.27    | 570.77                          | 529.75                     | 614.12 | 662    | 574.54  | 527.38                          | 487.96                     | 569.13 | 1.1                             |
| 34UH                                | Wellingborough            | 17.5                          | Q25  | E   | 631                               | 735.08    | 427.27                          | 394.57                     | 461.95 | 569    | 676.26  | 385.11                          | 354.11                     | 418.09 | 1.1                             |
| 26UL                                | Welwyn Hatfield           | 12.6                          | Q02  | G   | 675                               | 1164.88   | 288.42                          | 267.07                     | 311.03 | 615    | 1071.55 | 262.69                          | 242.34                     | 284.30 | 1.1                             |
| 00MB                                | West Berkshire UA         | 7.9                           | Q16  | J   | 902                               | 1468.91   | 305.64                          | 286.02                     | 326.26 | 836    | 1351.94 | 283.03                          | 264.17                     | 302.89 | 1.1                             |
| 18UL                                | West Devon                | 16.3                          | Q21  | K   | 441                               | 537.07    | 408.71                          | 371.45                     | 448.70 | 401    | 492.51  | 372.66                          | 337.07                     | 410.98 | 1.1                             |
| 19UH                                | West Dorset               | 13.3                          | Q22  | K   | 900                               | 1058.11   | 423.37                          | 396.15                     | 451.96 | 814    | 969.55  | 384.27                          | 358.32                     | 411.60 | 1.1                             |
| 30UP                                | West Lancashire           | 21.1                          | Q13  | B   | 1421                              | 1075.74   | 657.49                          | 623.75                     | 692.59 | 1296   | 988.83  | 599.88                          | 567.66                     | 633.45 | 1.1                             |
| 32UH                                | West Lindsey              | 17.7                          | Q24  | E   | 853                               | 877.02    | 484.11                          | 452.16                     | 517.72 | 795    | 805.14  | 451.94                          | 421.06                     | 484.48 | 1.1                             |
| 38UF                                | West Oxfordshire          | 6.3                           | Q16  | J   | 902                               | 1036.66   | 433.09                          | 405.28                     | 462.30 | 850    | 952.68  | 408.37                          | 381.38                     | 436.78 | 1.1                             |
| 40UF                                | West Somerset             | 22.1                          | Q22  | K   | 358                               | 403.20    | 441.94                          | 397.34                     | 490.18 | 308    | 368.86  | 382.19                          | 340.69                     | 427.34 | 1.2                             |
| 46UF                                | West Wiltshire            | 12.0                          | Q20  | K   | 1161                              | 1286.72   | 449.11                          | 423.64                     | 475.71 | 1039   | 1182.03 | 402.32                          | 378.23                     | 427.55 | 1.1                             |
| 00BK                                | Westminster               | 31.7                          | Q04  | H   | 2188                              | 2462.58   | 442.24                          | 423.91                     | 461.17 | 1983   | 2259.06 | 401.77                          | 384.28                     | 419.85 | 1.1                             |
| 19UJ                                | Weymouth and Portland     | 21.2                          | Q22  | K   | 676                               | 667.73    | 503.90                          | 466.63                     | 543.37 | 604    | 612.65  | 451.24                          | 415.97                     | 488.71 | 1.1                             |
| 00BW                                | Wigan                     | 29.3                          | Q14  | B   | 4120                              | 2910.00   | 704.71                          | 683.35                     | 726.56 | 3708   | 2676.84 | 634.02                          | 613.77                     | 654.76 | 1.1                             |
| 24UP                                | Winchester                | 7.0                           | Q17  | J   | 906                               | 1172.20   | 384.71                          | 360.06                     | 410.60 | 854    | 1077.20 | 362.87                          | 338.93                     | 388.04 | 1.1                             |
| 00ME                                | Windsor and Maidenhead UA | 8.2                           | Q16  | J   | 1055                              | 1417.40   | 370.48                          | 348.46                     | 393.53 | 1001   | 1303.80 | 351.40                          | 329.97                     | 373.87 | 1.1                             |
| 00CB                                | Wirral                    | 30.1                          | Q15  | B   | 4614                              | 3150.40   | 728.98                          | 708.10                     | 750.33 | 4245   | 2895.51 | 671.02                          | 650.99                     | 691.52 | 1.1                             |
| 43UM                                | Woking                    | 7.3                           | Q19  | J   | 692                               | 920.70    | 374.10                          | 346.75                     | 403.05 | 649    | 847.07  | 350.68                          | 324.21                     | 378.73 | 1.1                             |
| 00MF                                | Wokingham UA              | 5.1                           | Q16  | J   | 805                               | 1537.16   | 260.66                          | 242.97                     | 279.31 | 767    | 1414.42 | 248.20                          | 230.94                     | 266.41 | 1.0                             |
| 00CW                                | Wolverhampton             | 32.2                          | Q27  | F   | 1695                              | 2434.97   | 346.48                          | 330.18                     | 363.38 | 1576   | 2240.57 | 321.95                          | 306.25                     | 338.24 | 1.1                             |
| 47UE                                | Worcester                 | 17.7                          | Q28  | F   | 947                               | 927.31    | 508.31                          | 476.45                     | 541.75 | 865    | 853.03  | 464.13                          | 433.71                     | 496.12 | 1.1                             |
| 45UH                                | Worthing                  | 15.7                          | Q19  | J   | 1066                              | 1128.87   | 470.02                          | 442.23                     | 499.11 | 986    | 1035.57 | 435.79                          | 409.01                     | 463.87 | 1.1                             |
| 47UF                                | Wychavon                  | 11.3                          | Q28  | F   | 925                               | 1160.53   | 396.73                          | 371.57                     | 423.14 | 838    | 1064.90 | 360.18                          | 336.20                     | 385.41 | 1.1                             |
| 11UF                                | Wycombe                   | 9.7                           | Q16  | J   | 1202                              | 1605.89   | 372.56                          | 351.79                     | 394.23 | 1111   | 1478.18 | 344.01                          | 324.08                     | 364.85 | 1.1                             |
| 30UQ                                | Wyre                      | 17.8                          | Q13  | B   | 973                               | 1159.62   | 417.64                          | 391.81                     | 444.73 | 891    | 1063.19 | 383.58                          | 358.80                     | 409.61 | 1.1                             |
| 47UG                                | Wyre Forest               | 17.8                          | Q28  | F   | 773                               | 974.57    | 394.79                          | 367.45                     | 423.64 | 704    | 894.51  | 360.22                          | 334.10                     | 387.84 | 1.1                             |
| 00FF                                | York UA                   | 14.5                          | Q11  | D   | 1682                              | 2046.29   | 409.13                          | 389.81                     | 429.16 | 1560   | 1879.11 | 379.98                          | 361.35                     | 399.31 | 1.1                             |

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

| <b>Local authority</b>    | <b>95% Confidence interval</b> |         | <b>indirect rate per 100,000</b> |
|---------------------------|--------------------------------|---------|----------------------------------|
| Liverpool                 | 982.68                         | 1024.69 | 1003.52                          |
| Halton UA                 | 927.16                         | 1008.61 | 967.24                           |
| Knowsley                  | 918.79                         | 990.05  | 953.92                           |
| St. Helens                | 884.73                         | 949.18  | 916.53                           |
| Lincoln                   | 835.97                         | 921.39  | 877.90                           |
| Warrington UA             | 839.39                         | 898.87  | 868.75                           |
| Wansbeck                  | 789.72                         | 893.13  | 840.23                           |
| Salford                   | 806.35                         | 859.39  | 832.55                           |
| Rochdale                  | 783.06                         | 838.81  | 810.57                           |
| Oldham                    | 741.44                         | 793.87  | 767.32                           |
| Tunbridge Wells           | 719.18                         | 792.95  | 755.39                           |
| Ellesmere Port and Neston | 712.66                         | 798.82  | 754.82                           |
| Crewe and Nantwich        | 698.76                         | 768.33  | 732.93                           |
| North Tyneside            | 705.91                         | 759.57  | 732.37                           |
| Wirral                    | 708.10                         | 750.33  | 728.98                           |
| Derwentside               | 687.16                         | 767.40  | 726.45                           |
| Poole UA                  | 688.44                         | 749.05  | 718.27                           |
| Calderdale                | 680.42                         | 732.88  | 706.28                           |
| Wigan                     | 683.35                         | 726.56  | 704.71                           |
| Blackpool UA              | 672.06                         | 733.83  | 702.44                           |
| Manchester                | 677.38                         | 710.20  | 693.64                           |
| Sefton                    | 670.25                         | 714.09  | 691.91                           |
| Chester                   | 650.54                         | 716.69  | 683.01                           |
| Easington                 | 644.10                         | 719.09  | 680.82                           |
| Hartlepool UA             | 641.97                         | 719.01  | 679.67                           |
| Chester-Le-Street         | 627.05                         | 729.11  | 676.64                           |
| Blyth Valley              | 630.68                         | 712.63  | 670.72                           |
| Burnley                   | 628.56                         | 705.98  | 666.43                           |
| Hammersmith and Fulham    | 635.12                         | 691.34  | 662.78                           |
| Waltham Forest            | 637.36                         | 685.83  | 661.26                           |
| Stockport                 | 638.48                         | 680.92  | 659.44                           |
| West Lancashire           | 623.75                         | 692.59  | 657.49                           |
| Southampton UA            | 629.85                         | 675.10  | 652.18                           |
| Preston                   | 620.74                         | 682.15  | 650.90                           |
| Macclesfield              | 622.14                         | 679.22  | 650.21                           |
| Sunderland                | 625.00                         | 667.64  | 646.06                           |
| Hastings                  | 607.34                         | 682.19  | 643.95                           |
| Wakefield                 | 623.43                         | 663.04  | 643.00                           |
| Blackburn with Darwen UA  | 607.96                         | 668.09  | 637.49                           |
| Leeds                     | 624.74                         | 649.51  | 637.03                           |
| Islington                 | 608.99                         | 661.38  | 634.78                           |
| Middlesbrough UA          | 600.49                         | 659.24  | 629.35                           |
| Rossendale                | 586.52                         | 673.56  | 628.91                           |
| Kerrier                   | 589.57                         | 658.47  | 623.30                           |
| Portsmouth UA             | 597.04                         | 644.84  | 620.60                           |
| Restormel                 | 587.11                         | 654.68  | 620.20                           |
| Vale Royal                | 581.85                         | 643.78  | 612.23                           |
| Stockton-On-Tees UA       | 587.04                         | 637.61  | 611.93                           |
| Kirklees                  | 590.28                         | 624.44  | 607.18                           |
| Durham                    | 571.00                         | 641.59  | 605.53                           |
| Carrick                   | 568.41                         | 636.83  | 601.89                           |
| Barnsley                  | 577.51                         | 623.44  | 600.14                           |
| Torbay UA                 | 572.07                         | 628.47  | 599.77                           |
| Corby                     | 553.61                         | 646.93  | 598.91                           |
| Congleton                 | 560.87                         | 632.65  | 595.95                           |
| South Tyneside            | 567.87                         | 622.53  | 594.73                           |
| Purbeck                   | 541.36                         | 639.85  | 589.07                           |
| Bournemouth UA            | 563.34                         | 613.00  | 587.78                           |
| Brighton and Hove UA      | 566.63                         | 608.14  | 587.11                           |
| Ealing                    | 566.29                         | 604.79  | 585.30                           |

# Head injuries :

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

| Local authority                | 95% Confidence interval |        | indirect rate per 100,000 |
|--------------------------------|-------------------------|--------|---------------------------|
| Darlington UA                  | 552.11                  | 619.26 | 584.96                    |
| Salisbury                      | 553.11                  | 614.43 | 583.17                    |
| Hyndburn                       | 545.34                  | 620.34 | 581.93                    |
| Boston                         | 535.69                  | 622.20 | 577.73                    |
| Coventry                       | 558.52                  | 595.73 | 576.90                    |
| Castle Morpeth                 | 526.55                  | 621.42 | 572.52                    |
| Wear Valley                    | 529.75                  | 614.12 | 570.77                    |
| Tonbridge and Malling          | 537.01                  | 599.12 | 567.43                    |
| Derby UA                       | 546.34                  | 588.26 | 567.01                    |
| Sedgefield                     | 531.74                  | 603.93 | 566.98                    |
| Gravesham                      | 533.10                  | 600.43 | 566.01                    |
| Leicester UA                   | 541.07                  | 578.70 | 559.65                    |
| Bristol, City of UA            | 542.82                  | 574.13 | 558.31                    |
| Gateshead                      | 534.08                  | 581.98 | 557.64                    |
| Richmondshire                  | 512.57                  | 604.13 | 556.95                    |
| Stafford                       | 527.30                  | 586.12 | 556.13                    |
| Chesterfield                   | 524.03                  | 589.28 | 555.94                    |
| Birmingham                     | 545.54                  | 565.72 | 555.56                    |
| Sandwell                       | 536.46                  | 574.68 | 555.32                    |
| Bury                           | 530.98                  | 580.06 | 555.12                    |
| Oxford                         | 528.64                  | 581.00 | 554.35                    |
| Stoke-On-Trent UA              | 532.75                  | 574.97 | 553.56                    |
| Trafford                       | 528.81                  | 573.31 | 550.72                    |
| Bradford                       | 536.42                  | 565.30 | 550.71                    |
| Plymouth UA                    | 530.15                  | 570.39 | 549.99                    |
| Newham                         | 529.02                  | 571.54 | 549.97                    |
| Kingston upon Hull, City of UA | 529.23                  | 569.63 | 549.15                    |
| South Somerset                 | 522.72                  | 573.54 | 547.69                    |
| Peterborough UA                | 522.66                  | 572.83 | 547.31                    |
| Tameside                       | 523.65                  | 568.36 | 545.66                    |
| Hounslow                       | 521.72                  | 565.17 | 543.12                    |
| Havant                         | 511.75                  | 570.53 | 540.54                    |
| Pendle                         | 506.90                  | 575.63 | 540.44                    |
| North Kesteven                 | 507.51                  | 570.55 | 538.34                    |
| Redbridge                      | 514.19                  | 553.87 | 533.75                    |
| Kings Lynn and West Norfolk    | 507.58                  | 560.37 | 533.48                    |
| East Staffordshire             | 501.91                  | 564.14 | 532.34                    |
| Rotherham                      | 512.08                  | 552.83 | 532.17                    |
| Barrow-In-Furness              | 493.64                  | 570.31 | 530.94                    |
| Taunton Deane                  | 500.92                  | 560.79 | 530.22                    |
| Gosport                        | 495.20                  | 566.59 | 530.00                    |
| North Cornwall                 | 496.59                  | 564.50 | 529.73                    |
| Lambeth                        | 508.18                  | 547.66 | 527.64                    |
| North Devon                    | 494.38                  | 560.22 | 526.53                    |
| Lancaster                      | 499.99                  | 553.15 | 526.07                    |
| Dartford                       | 491.45                  | 558.31 | 524.08                    |
| Eastbourne                     | 494.27                  | 555.06 | 524.00                    |
| Hambleton                      | 490.27                  | 558.84 | 523.71                    |
| Penwith                        | 484.88                  | 561.64 | 522.20                    |
| Barking and Dagenham           | 498.68                  | 546.00 | 521.94                    |
| Cannock Chase                  | 488.18                  | 555.35 | 520.96                    |
| Dudley                         | 502.75                  | 539.19 | 520.73                    |
| Sevenoaks                      | 491.20                  | 550.91 | 520.41                    |
| Camden                         | 496.67                  | 539.69 | 517.85                    |
| Medway UA                      | 497.80                  | 538.35 | 517.78                    |
| Epsom and Ewell                | 481.72                  | 555.69 | 517.71                    |
| North East Lincolnshire UA     | 492.16                  | 542.57 | 516.91                    |
| Alnwick                        | 462.35                  | 574.12 | 515.98                    |
| Chichester                     | 485.25                  | 542.75 | 513.40                    |
| Exeter                         | 485.52                  | 542.19 | 513.27                    |

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

| <b>Local authority</b>       | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|------------------------------|--------------------------------|--------|----------------------------------|
| Newcastle upon Tyne          | 494.91                         | 531.44 | 512.93                           |
| Rushmoor                     | 480.02                         | 546.57 | 512.49                           |
| Redditch                     | 475.20                         | 547.81 | 510.54                           |
| Worcester                    | 476.45                         | 541.75 | 508.31                           |
| Brent                        | 487.20                         | 526.87 | 506.74                           |
| Weymouth and Portland        | 466.63                         | 543.37 | 503.90                           |
| Nuneaton and Bedworth        | 475.06                         | 532.40 | 503.12                           |
| Mole Valley                  | 469.63                         | 536.95 | 502.45                           |
| Slough UA                    | 474.23                         | 529.74 | 501.41                           |
| Sutton                       | 478.50                         | 523.93 | 500.83                           |
| Crawley                      | 468.93                         | 529.19 | 498.38                           |
| Cheltenham                   | 470.55                         | 527.26 | 498.30                           |
| Surrey Heath                 | 464.24                         | 533.68 | 498.06                           |
| High Peak                    | 464.46                         | 529.57 | 496.22                           |
| Wealden                      | 471.24                         | 521.92 | 496.09                           |
| Milton Keynes UA             | 475.05                         | 516.45 | 495.43                           |
| Wandsworth                   | 476.06                         | 513.43 | 494.48                           |
| Teignbridge                  | 466.12                         | 519.16 | 492.10                           |
| Reigate and Banstead         | 465.71                         | 518.32 | 491.48                           |
| Hackney                      | 469.99                         | 512.73 | 491.01                           |
| Redcar and Cleveland UA      | 463.39                         | 516.02 | 489.17                           |
| Cherwell                     | 461.78                         | 514.73 | 487.72                           |
| Haringey                     | 463.58                         | 505.86 | 484.38                           |
| West Lindsey                 | 452.16                         | 517.72 | 484.11                           |
| New Forest                   | 461.91                         | 506.01 | 483.58                           |
| Copeland                     | 446.37                         | 521.36 | 482.78                           |
| Lewisham                     | 462.92                         | 501.59 | 481.96                           |
| Arun                         | 457.93                         | 504.90 | 480.98                           |
| Hillingdon                   | 459.84                         | 497.58 | 478.43                           |
| Thanet                       | 449.39                         | 500.78 | 474.56                           |
| Tower Hamlets                | 453.66                         | 494.16 | 473.59                           |
| Southwark                    | 454.38                         | 491.09 | 472.47                           |
| Swale                        | 445.76                         | 499.23 | 471.93                           |
| Shrewsbury and Atcham        | 441.44                         | 502.78 | 471.36                           |
| Kennet                       | 438.00                         | 506.18 | 471.17                           |
| Lichfield                    | 440.24                         | 502.43 | 470.56                           |
| Chorley                      | 440.56                         | 501.18 | 470.14                           |
| Worthing                     | 442.23                         | 499.11 | 470.02                           |
| Fenland                      | 437.99                         | 500.59 | 468.51                           |
| Doncaster                    | 449.35                         | 484.85 | 466.85                           |
| Solihull                     | 446.24                         | 488.13 | 466.83                           |
| Tynedale                     | 427.75                         | 506.57 | 465.91                           |
| Mendip                       | 436.71                         | 493.86 | 464.63                           |
| Carlisle                     | 435.86                         | 494.54 | 464.51                           |
| Havering                     | 443.96                         | 482.80 | 463.07                           |
| Kettering                    | 431.96                         | 495.69 | 463.01                           |
| East Dorset                  | 432.97                         | 494.07 | 462.77                           |
| Caradon                      | 430.18                         | 495.63 | 462.04                           |
| Kensington and Chelsea       | 438.17                         | 484.70 | 460.99                           |
| Rother                       | 431.85                         | 491.01 | 460.72                           |
| Barnet                       | 444.51                         | 476.67 | 460.38                           |
| Maidstone                    | 435.26                         | 484.55 | 459.41                           |
| Newcastle-under-Lyme         | 433.01                         | 486.56 | 459.20                           |
| Epping Forest                | 432.77                         | 486.40 | 459.00                           |
| North Dorset                 | 423.01                         | 496.32 | 458.57                           |
| Ribble Valley                | 419.86                         | 499.83 | 458.54                           |
| Croydon                      | 441.57                         | 474.16 | 457.65                           |
| Staffordshire Moorlands      | 424.05                         | 485.61 | 454.05                           |
| Bath and North East Somerset | 432.46                         | 475.99 | 453.83                           |
| Scarborough                  | 425.45                         | 480.99 | 452.58                           |

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

| <b>Local authority</b>    | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|---------------------------|--------------------------------|--------|----------------------------------|
| Vale of White Horse       | 425.96                         | 480.34 | 452.54                           |
| Lewes                     | 423.64                         | 481.28 | 451.77                           |
| South Ribble              | 422.86                         | 480.62 | 451.05                           |
| East Devon                | 427.06                         | 475.51 | 450.80                           |
| South Derbyshire          | 419.93                         | 482.88 | 450.58                           |
| Fareham                   | 422.58                         | 478.03 | 449.66                           |
| Warwick                   | 424.73                         | 474.83 | 449.26                           |
| West Wiltshire            | 423.64                         | 475.71 | 449.11                           |
| South Hams                | 417.02                         | 480.79 | 448.06                           |
| Fylde                     | 415.28                         | 481.13 | 447.30                           |
| Bassetlaw                 | 419.71                         | 476.19 | 447.28                           |
| Swindon UA                | 425.66                         | 467.95 | 446.43                           |
| Oadby and Wigston         | 409.53                         | 485.45 | 446.28                           |
| Tamworth                  | 411.86                         | 481.88 | 445.84                           |
| Harlow                    | 412.73                         | 478.22 | 444.58                           |
| Westminster               | 423.91                         | 461.17 | 442.24                           |
| Northampton               | 422.26                         | 462.73 | 442.14                           |
| West Somerset             | 397.34                         | 490.18 | 441.94                           |
| Selby                     | 406.88                         | 472.90 | 438.96                           |
| Bromsgrove                | 408.78                         | 469.32 | 438.27                           |
| Guildford                 | 413.17                         | 463.02 | 437.56                           |
| Merton                    | 416.35                         | 457.43 | 436.53                           |
| Adur                      | 400.41                         | 472.83 | 435.49                           |
| West Oxfordshire          | 405.28                         | 462.30 | 433.09                           |
| Southend-On-Sea UA        | 411.03                         | 455.16 | 432.67                           |
| North West Leicestershire | 402.33                         | 464.24 | 432.46                           |
| Cambridge                 | 406.63                         | 457.99 | 431.74                           |
| Horsham                   | 405.59                         | 456.40 | 430.43                           |
| Chelmsford                | 407.72                         | 452.81 | 429.82                           |
| Basingstoke and Deane     | 406.77                         | 453.38 | 429.60                           |
| Gloucester                | 401.66                         | 454.98 | 427.70                           |
| Maldon                    | 391.44                         | 465.60 | 427.31                           |
| Wellingborough            | 394.57                         | 461.95 | 427.27                           |
| North Warwickshire        | 390.42                         | 465.67 | 426.81                           |
| North East Derbyshire     | 398.00                         | 456.60 | 426.55                           |
| Tandridge                 | 395.80                         | 458.75 | 426.41                           |
| Mansfield                 | 398.13                         | 456.04 | 426.35                           |
| Mid Sussex                | 401.28                         | 451.41 | 425.79                           |
| Watford                   | 394.33                         | 457.71 | 425.13                           |
| South Oxfordshire         | 399.83                         | 450.33 | 424.52                           |
| Derbyshire Dales          | 391.22                         | 459.88 | 424.51                           |
| Charnwood                 | 401.66                         | 446.17 | 423.48                           |
| West Dorset               | 396.15                         | 451.96 | 423.37                           |
| Bromley                   | 405.27                         | 437.54 | 421.18                           |
| Hart                      | 391.03                         | 452.71 | 421.02                           |
| St. Edmundsbury           | 392.52                         | 448.58 | 419.85                           |
| Eastleigh                 | 393.46                         | 445.77 | 419.00                           |
| South Lakeland            | 391.63                         | 446.73 | 418.50                           |
| Rugby                     | 389.23                         | 448.58 | 418.12                           |
| Wyre                      | 391.81                         | 444.73 | 417.64                           |
| Bedford                   | 394.37                         | 439.75 | 416.60                           |
| Allerdale                 | 387.70                         | 446.70 | 416.42                           |
| Waverley                  | 389.04                         | 439.87 | 413.87                           |
| Malvern Hills             | 382.51                         | 446.56 | 413.61                           |
| East Hampshire            | 386.61                         | 440.27 | 412.78                           |
| Stevenage                 | 381.56                         | 445.29 | 412.51                           |
| Blaby                     | 383.46                         | 442.64 | 412.26                           |
| Bolsover                  | 378.82                         | 445.19 | 411.00                           |
| Telford and Wrekin UA     | 387.93                         | 433.21 | 410.10                           |
| Mid Devon                 | 377.83                         | 442.68 | 409.29                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| York UA                     | 389.81                         | 429.16 | 409.13                           |
| West Devon                  | 371.45                         | 448.70 | 408.71                           |
| South Bucks                 | 375.07                         | 444.25 | 408.57                           |
| Amber Valley                | 381.38                         | 432.92 | 406.54                           |
| Norwich                     | 383.21                         | 429.26 | 405.74                           |
| Teesdale                    | 350.58                         | 465.90 | 405.19                           |
| East Lindsey                | 381.35                         | 428.09 | 404.21                           |
| Braintree                   | 380.93                         | 428.13 | 404.01                           |
| Dover                       | 377.39                         | 430.96 | 403.51                           |
| Hinckley and Bosworth       | 376.31                         | 431.90 | 403.39                           |
| Torridge                    | 369.47                         | 438.39 | 402.83                           |
| South Gloucestershire UA    | 384.42                         | 419.20 | 401.53                           |
| Bolton                      | 383.37                         | 417.82 | 400.32                           |
| Broxbourne                  | 371.40                         | 430.78 | 400.27                           |
| Rutland UA                  | 357.19                         | 446.57 | 400.02                           |
| North Hertfordshire         | 373.82                         | 423.66 | 398.16                           |
| Hertsmere                   | 370.94                         | 426.13 | 397.82                           |
| Wychavon                    | 371.57                         | 423.14 | 396.73                           |
| Wyre Forest                 | 367.45                         | 423.64 | 394.79                           |
| North Somerset UA           | 374.51                         | 411.90 | 392.87                           |
| Stratford-On-Avon           | 366.95                         | 417.67 | 391.70                           |
| Nottingham UA               | 375.60                         | 406.95 | 391.04                           |
| Shepway                     | 364.70                         | 418.68 | 390.99                           |
| South Holland               | 360.62                         | 419.92 | 389.42                           |
| Luton UA                    | 369.39                         | 409.01 | 388.82                           |
| Richmond upon Thames        | 368.29                         | 408.93 | 388.21                           |
| Christchurch                | 352.08                         | 426.82 | 388.11                           |
| Newark and Sherwood         | 361.64                         | 413.43 | 386.89                           |
| Winchester                  | 360.06                         | 410.60 | 384.71                           |
| Craven                      | 349.45                         | 421.95 | 384.42                           |
| Sedgemoor                   | 359.44                         | 410.65 | 384.41                           |
| Cotswold                    | 355.58                         | 414.58 | 384.23                           |
| Enfield                     | 366.79                         | 398.86 | 382.57                           |
| Test Valley                 | 356.30                         | 407.82 | 381.41                           |
| North Wiltshire             | 357.17                         | 405.05 | 380.55                           |
| Harrow                      | 361.66                         | 397.92 | 379.46                           |
| East Riding of Yorkshire UA | 364.77                         | 394.32 | 379.33                           |
| Walsall                     | 362.69                         | 396.52 | 379.32                           |
| Berwick-upon-Tweed          | 329.48                         | 433.60 | 378.88                           |
| Greenwich                   | 360.86                         | 396.94 | 378.58                           |
| Ashfield                    | 352.53                         | 403.41 | 377.33                           |
| Forest Heath                | 341.68                         | 410.12 | 374.73                           |
| Herefordshire, County of UA | 355.00                         | 394.80 | 374.50                           |
| Woking                      | 346.75                         | 403.05 | 374.10                           |
| South Kesteven              | 351.01                         | 398.06 | 373.98                           |
| Uttlesford                  | 342.43                         | 405.09 | 372.78                           |
| South Cambridgeshire        | 350.48                         | 395.70 | 372.58                           |
| Wycombe                     | 351.79                         | 394.23 | 372.56                           |
| East Northamptonshire       | 343.18                         | 402.45 | 371.93                           |
| Isle of Wight UA            | 350.17                         | 394.12 | 371.65                           |
| Bracknell Forest UA         | 345.92                         | 397.46 | 371.02                           |
| Windsor and Maidenhead UA   | 348.46                         | 393.53 | 370.48                           |
| Harrogate                   | 349.02                         | 391.35 | 369.73                           |
| North Lincolnshire UA       | 347.31                         | 389.70 | 368.05                           |
| Sheffield                   | 356.85                         | 379.43 | 368.01                           |
| North Shropshire            | 334.31                         | 402.72 | 367.33                           |
| Erewash                     | 341.99                         | 393.02 | 366.84                           |
| Castle Point                | 338.00                         | 394.55 | 365.46                           |
| Ryedale                     | 329.39                         | 402.33 | 364.49                           |
| Daventry                    | 330.00                         | 391.68 | 359.85                           |

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

| <b>Local authority</b> | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|------------------------|--------------------------------|--------|----------------------------------|
| Basildon               | 339.27                         | 379.63 | 359.03                           |
| Aylesbury Vale         | 336.87                         | 377.69 | 356.85                           |
| South Shropshire       | 318.69                         | 398.29 | 356.83                           |
| Chiltern               | 329.21                         | 384.43 | 356.02                           |
| Tendring               | 333.06                         | 373.84 | 353.01                           |
| South Staffordshire    | 327.91                         | 379.29 | 352.90                           |
| Harborough             | 323.21                         | 381.22 | 351.32                           |
| Bexley                 | 332.45                         | 367.04 | 349.42                           |
| South Bedfordshire     | 325.25                         | 374.14 | 349.05                           |
| Dacorum                | 325.64                         | 369.46 | 347.03                           |
| Wolverhampton          | 330.18                         | 363.38 | 346.48                           |
| Tewkesbury             | 314.91                         | 372.14 | 342.63                           |
| Breckland              | 319.90                         | 364.44 | 341.63                           |
| Reading UA             | 320.53                         | 361.92 | 340.75                           |
| Ipswich                | 318.61                         | 363.95 | 340.71                           |
| Canterbury             | 320.41                         | 361.12 | 340.31                           |
| Colchester             | 320.25                         | 358.71 | 339.07                           |
| Rochford               | 310.90                         | 367.52 | 338.32                           |
| Ashford                | 314.43                         | 362.54 | 337.84                           |
| Spelthorne             | 309.74                         | 362.67 | 335.42                           |
| Three Rivers           | 308.95                         | 363.18 | 335.25                           |
| Great Yarmouth         | 309.24                         | 360.59 | 334.17                           |
| Eden                   | 298.41                         | 369.48 | 332.53                           |
| Huntingdonshire        | 312.28                         | 352.69 | 332.02                           |
| Melton                 | 296.43                         | 369.96 | 331.68                           |
| East Cambridgeshire    | 302.75                         | 358.48 | 329.74                           |
| Thurrock UA            | 309.40                         | 350.37 | 329.41                           |
| South Northamptonshire | 301.49                         | 357.27 | 328.49                           |
| Babergh                | 301.14                         | 355.50 | 327.48                           |
| Brentwood              | 299.04                         | 357.11 | 327.11                           |
| North Norfolk          | 300.66                         | 348.44 | 323.89                           |
| Elmbridge              | 302.41                         | 345.98 | 323.65                           |
| Stroud                 | 294.05                         | 341.13 | 316.94                           |
| Forest of Dean         | 289.78                         | 344.50 | 316.25                           |
| St. Albans             | 293.63                         | 336.20 | 314.38                           |
| Mid Bedfordshire       | 288.62                         | 332.36 | 309.91                           |
| West Berkshire UA      | 286.02                         | 326.26 | 305.64                           |
| Broadland              | 280.92                         | 324.49 | 302.12                           |
| Mid Suffolk            | 276.60                         | 326.72 | 300.88                           |
| Runnymede              | 273.10                         | 325.01 | 298.21                           |
| East Hertfordshire     | 277.16                         | 319.16 | 297.61                           |
| Welwyn Hatfield        | 267.07                         | 311.03 | 288.42                           |
| Bridgnorth             | 255.93                         | 322.25 | 287.67                           |
| South Norfolk          | 265.10                         | 308.04 | 285.97                           |
| Broxtowe               | 259.52                         | 304.23 | 281.21                           |
| Waveney                | 255.96                         | 297.40 | 276.10                           |
| Gedling                | 250.70                         | 294.19 | 271.79                           |
| Oswestry               | 227.70                         | 299.27 | 261.67                           |
| Wokingham UA           | 242.97                         | 279.31 | 260.66                           |
| Suffolk Coastal        | 236.40                         | 275.82 | 255.54                           |
| Rushcliffe             | 230.19                         | 272.23 | 250.55                           |
| Kingston upon Thames   | 216.90                         | 250.25 | 233.13                           |

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

| <b>Local authority</b>    | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|---------------------------|--------------------------------|--------|----------------------------------|
| Liverpool                 | 879.30                         | 919.07 | 899.02                           |
| Halton UA                 | 838.07                         | 915.55 | 876.17                           |
| Knowsley                  | 827.00                         | 894.66 | 860.33                           |
| St. Helens                | 785.79                         | 846.60 | 815.77                           |
| Lincoln                   | 768.92                         | 850.93 | 809.14                           |
| Warrington UA             | 753.63                         | 810.05 | 781.46                           |
| Salford                   | 728.32                         | 778.75 | 753.21                           |
| Wansbeck                  | 703.57                         | 801.45 | 751.32                           |
| Rochdale                  | 713.60                         | 766.81 | 739.85                           |
| Ellesmere Port and Neston | 660.39                         | 743.48 | 701.01                           |
| Oldham                    | 672.76                         | 722.69 | 697.39                           |
| Tunbridge Wells           | 643.75                         | 713.66 | 678.03                           |
| North Tyneside            | 650.66                         | 702.25 | 676.08                           |
| Wirral                    | 650.99                         | 691.52 | 671.02                           |
| Crewe and Nantwich        | 634.67                         | 701.07 | 667.25                           |
| Derwentside               | 627.60                         | 704.44 | 665.19                           |
| Poole UA                  | 634.85                         | 693.18 | 663.53                           |
| Calderdale                | 627.39                         | 677.80 | 652.23                           |
| Sefton                    | 620.85                         | 663.12 | 641.72                           |
| Manchester                | 625.71                         | 657.23 | 641.32                           |
| Easington                 | 600.98                         | 673.52 | 636.47                           |
| Wigan                     | 613.77                         | 654.76 | 634.02                           |
| Chester                   | 602.29                         | 666.06 | 633.58                           |
| Hartlepool UA             | 596.99                         | 671.35 | 633.35                           |
| Chester-Le-Street         | 580.55                         | 679.00 | 628.33                           |
| Blackpool UA              | 598.05                         | 656.44 | 626.73                           |
| Blyth Valley              | 577.56                         | 656.14 | 615.91                           |
| Burnley                   | 570.25                         | 644.08 | 606.33                           |
| Hammersmith and Fulham    | 578.75                         | 632.47 | 605.16                           |
| Sunderland                | 583.15                         | 624.38 | 603.50                           |
| Stockport                 | 582.91                         | 623.52 | 602.96                           |
| Southampton UA            | 579.71                         | 623.15 | 601.14                           |
| Waltham Forest            | 577.64                         | 623.75 | 600.36                           |
| Macclesfield              | 573.27                         | 628.19 | 600.26                           |
| West Lancashire           | 567.66                         | 633.45 | 599.88                           |
| Preston                   | 569.35                         | 628.19 | 598.23                           |
| Middlesborough UA         | 568.30                         | 625.45 | 596.36                           |
| Wakefield                 | 572.62                         | 610.62 | 591.39                           |
| Hastings                  | 555.12                         | 626.81 | 590.15                           |
| Leeds                     | 577.20                         | 601.02 | 589.02                           |
| Islington                 | 553.05                         | 603.03 | 577.63                           |
| Rossendale                | 534.10                         | 617.29 | 574.57                           |
| Blackburn with Darwen UA  | 545.11                         | 602.01 | 573.03                           |
| Stockton-On-Tees UA       | 544.04                         | 592.75 | 568.01                           |
| Portsmouth UA             | 541.51                         | 587.08 | 563.95                           |
| Kirklees                  | 537.12                         | 569.70 | 553.23                           |
| South Tyneside            | 525.02                         | 577.68 | 550.88                           |
| Vale Royal                | 521.07                         | 579.79 | 549.84                           |
| Congleton                 | 515.15                         | 584.13 | 548.82                           |
| Corby                     | 505.35                         | 594.61 | 548.62                           |
| Barnsley                  | 524.49                         | 568.31 | 546.07                           |
| Restormel                 | 514.89                         | 578.37 | 545.94                           |
| Durham                    | 513.11                         | 580.19 | 545.88                           |
| Brighton and Hove UA      | 525.72                         | 565.75 | 545.46                           |
| Kerrier                   | 512.52                         | 576.97 | 544.03                           |
| Salisbury                 | 513.49                         | 572.69 | 542.49                           |
| Darlington UA             | 508.99                         | 573.56 | 540.56                           |
| Ealing                    | 522.23                         | 559.20 | 540.48                           |
| Bournemouth UA            | 516.25                         | 563.89 | 539.68                           |
| Purbeck                   | 493.77                         | 588.22 | 539.45                           |

# Head injuries :

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

| Local authority                | 95% Confidence interval |        | indirect rate per 100,000 |
|--------------------------------|-------------------------|--------|---------------------------|
| Boston                         | 497.94                  | 581.52 | 538.52                    |
| Carrick                        | 505.45                  | 570.20 | 537.10                    |
| Coventry                       | 515.10                  | 550.84 | 532.75                    |
| Richmondshire                  | 486.95                  | 576.32 | 530.23                    |
| Castle Morpeth                 | 485.74                  | 577.19 | 529.99                    |
| Torbay UA                      | 503.63                  | 556.74 | 529.68                    |
| Wear Valley                    | 487.96                  | 569.13 | 527.38                    |
| Sedgefield                     | 489.92                  | 559.34 | 523.77                    |
| Derby UA                       | 503.60                  | 543.87 | 523.44                    |
| Hyndburn                       | 484.77                  | 555.59 | 519.27                    |
| Tonbridge and Malling          | 488.83                  | 548.17 | 517.86                    |
| Kingston upon Hull, City of UA | 497.06                  | 536.23 | 516.36                    |
| Gateshead                      | 493.29                  | 539.38 | 515.95                    |
| Oxford                         | 490.14                  | 540.58 | 514.90                    |
| Bury                           | 491.50                  | 538.75 | 514.72                    |
| Bristol, City of UA            | 499.50                  | 529.55 | 514.36                    |
| Bradford                       | 500.53                  | 528.40 | 514.32                    |
| Stafford                       | 486.23                  | 542.84 | 513.95                    |
| Gravesham                      | 480.57                  | 544.61 | 511.84                    |
| Plymouth UA                    | 492.18                  | 530.98 | 511.31                    |
| Sandwell                       | 491.82                  | 528.43 | 509.88                    |
| Tameside                       | 488.43                  | 531.64 | 509.69                    |
| Pendle                         | 476.60                  | 543.30 | 509.13                    |
| Birmingham                     | 498.27                  | 517.54 | 507.84                    |
| Chesterfield                   | 477.12                  | 539.53 | 507.61                    |
| Peterborough UA                | 482.31                  | 530.50 | 505.97                    |
| Leicester UA                   | 487.75                  | 523.45 | 505.37                    |
| Trafford                       | 483.81                  | 526.41 | 504.77                    |
| Hambleton                      | 468.52                  | 535.68 | 501.26                    |
| Havant                         | 472.23                  | 528.83 | 499.93                    |
| Stoke-On-Trent UA              | 478.98                  | 519.04 | 498.71                    |
| North Kesteven                 | 467.91                  | 528.58 | 497.55                    |
| Gosport                        | 463.18                  | 532.33 | 496.86                    |
| South Somerset                 | 472.66                  | 521.11 | 496.44                    |
| Newham                         | 476.53                  | 516.80 | 496.36                    |
| Hounslow                       | 474.75                  | 516.20 | 495.15                    |
| Barrow-In-Furness              | 457.28                  | 531.24 | 493.23                    |
| Kings Lynn and West Norfolk    | 467.02                  | 517.77 | 491.90                    |
| Redbridge                      | 472.19                  | 510.20 | 490.92                    |
| Eastbourne                     | 461.23                  | 520.11 | 490.01                    |
| Cannock Chase                  | 455.43                  | 520.40 | 487.11                    |
| Lambeth                        | 467.23                  | 505.10 | 485.89                    |
| Rotherham                      | 466.65                  | 505.59 | 485.82                    |
| Newcastle upon Tyne            | 467.18                  | 502.70 | 484.70                    |
| Chichester                     | 456.79                  | 512.72 | 484.15                    |
| North East Lincolnshire UA     | 459.14                  | 507.89 | 483.06                    |
| Redditch                       | 448.68                  | 519.29 | 483.02                    |
| Barking and Dagenham           | 460.23                  | 505.62 | 482.52                    |
| Taunton Deane                  | 451.84                  | 508.85 | 479.71                    |
| Sevenoaks                      | 450.93                  | 508.24 | 478.94                    |
| Rushmoor                       | 447.44                  | 511.74 | 478.78                    |
| Lancaster                      | 451.96                  | 502.60 | 476.78                    |
| Dudley                         | 458.99                  | 493.85 | 476.18                    |
| Dartford                       | 445.05                  | 508.78 | 476.12                    |
| Camden                         | 455.48                  | 496.72 | 475.76                    |
| Epsom and Ewell                | 439.48                  | 510.29 | 473.90                    |
| East Staffordshire             | 444.85                  | 503.57 | 473.53                    |
| North Devon                    | 442.67                  | 505.17 | 473.14                    |
| Nuneaton and Bedworth          | 444.36                  | 499.87 | 471.51                    |
| Redcar and Cleveland UA        | 445.38                  | 497.04 | 470.68                    |

# Head injuries :

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

| Local authority       | 95% Confidence interval |        | indirect rate per 100,000 |
|-----------------------|-------------------------|--------|---------------------------|
| Medway UA             | 451.20                  | 489.82 | 470.21                    |
| Alnwick               | 417.42                  | 524.19 | 468.54                    |
| Exeter                | 441.05                  | 495.18 | 467.53                    |
| Wealden               | 442.55                  | 491.78 | 466.68                    |
| Brent                 | 445.85                  | 483.80 | 464.53                    |
| Worcester             | 433.71                  | 496.12 | 464.13                    |
| North Cornwall        | 432.36                  | 495.97 | 463.35                    |
| Slough UA             | 434.80                  | 487.94 | 460.80                    |
| Mole Valley           | 426.96                  | 491.35 | 458.31                    |
| Sutton                | 436.31                  | 479.73 | 457.64                    |
| High Peak             | 425.33                  | 487.79 | 455.76                    |
| Copeland              | 419.97                  | 492.88 | 455.33                    |
| Wandsworth            | 436.97                  | 472.81 | 454.62                    |
| Cherwell              | 429.60                  | 480.73 | 454.62                    |
| Surrey Heath          | 420.57                  | 486.81 | 452.78                    |
| Penwith               | 417.62                  | 489.24 | 452.37                    |
| West Lindsey          | 421.06                  | 484.48 | 451.94                    |
| Weymouth and Portland | 415.97                  | 488.71 | 451.24                    |
| Cheltenham            | 423.16                  | 477.08 | 449.51                    |
| Shrewsbury and Atcham | 416.77                  | 476.49 | 445.88                    |
| Hackney               | 424.92                  | 465.53 | 444.88                    |
| New Forest            | 423.74                  | 466.10 | 444.54                    |
| Milton Keynes UA      | 425.10                  | 464.26 | 444.36                    |
| Lewisham              | 426.08                  | 463.17 | 444.33                    |
| Reigate and Banstead  | 419.80                  | 469.85 | 444.29                    |
| Arun                  | 418.99                  | 464.07 | 441.10                    |
| Haringey              | 420.02                  | 460.27 | 439.80                    |
| Teignbridge           | 414.31                  | 464.49 | 438.87                    |
| Southwark             | 421.21                  | 456.57 | 438.62                    |
| Lichfield             | 409.29                  | 469.39 | 438.57                    |
| Tower Hamlets         | 418.72                  | 457.61 | 437.84                    |
| Hillingdon            | 419.89                  | 455.95 | 437.64                    |
| Kennet                | 405.06                  | 470.72 | 436.97                    |
| Worthing              | 409.01                  | 463.87 | 435.79                    |
| Fenland               | 405.54                  | 465.92 | 434.94                    |
| East Dorset           | 405.72                  | 465.07 | 434.63                    |
| Mendip                | 406.53                  | 461.78 | 433.50                    |
| Chorley               | 405.06                  | 463.31 | 433.45                    |
| Tynedale              | 395.55                  | 471.62 | 432.34                    |
| Crawley               | 404.89                  | 461.02 | 432.27                    |
| Thanet                | 408.08                  | 457.15 | 432.09                    |
| Solihull              | 411.53                  | 451.82 | 431.32                    |
| Kettering             | 399.83                  | 461.22 | 429.70                    |
| Maidstone             | 406.12                  | 453.80 | 429.46                    |
| Carlisle              | 401.09                  | 457.51 | 428.60                    |
| Tamworth              | 395.17                  | 463.78 | 428.45                    |
| Fareham               | 401.35                  | 455.50 | 427.78                    |
| Warwick               | 403.70                  | 452.62 | 427.64                    |
| Rother                | 399.27                  | 456.36 | 427.10                    |
| Doncaster             | 408.33                  | 442.21 | 425.02                    |
| Ribble Valley         | 387.49                  | 464.56 | 424.72                    |
| Lewes                 | 396.62                  | 452.56 | 423.90                    |
| Epping Forest         | 397.60                  | 449.11 | 422.77                    |
| Croydon               | 406.50                  | 437.77 | 421.92                    |
| Scarborough           | 395.66                  | 449.37 | 421.87                    |
| Barnet                | 406.49                  | 437.26 | 421.66                    |
| South Ribble          | 394.29                  | 450.16 | 421.53                    |
| Swale                 | 396.38                  | 446.89 | 421.07                    |
| Havering              | 402.48                  | 439.52 | 420.70                    |
| Vale of White Horse   | 394.80                  | 447.24 | 420.41                    |

**Head injuries :**

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

| <b>Local authority</b>       | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|------------------------------|--------------------------------|--------|----------------------------------|
| Caradon                      | 388.92                         | 451.38 | 419.28                           |
| Staffordshire Moorlands      | 387.43                         | 446.47 | 416.17                           |
| North Dorset                 | 381.81                         | 451.67 | 415.64                           |
| Bath and North East Somerset | 394.14                         | 435.78 | 414.57                           |
| Swindon UA                   | 394.19                         | 434.91 | 414.17                           |
| Kensington and Chelsea       | 391.77                         | 435.89 | 413.39                           |
| Selby                        | 382.04                         | 446.11 | 413.14                           |
| Adur                         | 377.66                         | 448.17 | 411.79                           |
| South Derbyshire             | 382.31                         | 442.47 | 411.57                           |
| Bassetlaw                    | 384.36                         | 438.53 | 410.78                           |
| Newcastle-under-Lyme         | 385.75                         | 436.45 | 410.51                           |
| Northampton                  | 390.79                         | 429.74 | 409.92                           |
| Fylde                        | 378.68                         | 441.82 | 409.34                           |
| Guildford                    | 385.31                         | 433.51 | 408.88                           |
| West Oxfordshire             | 381.38                         | 436.78 | 408.37                           |
| Cambridge                    | 380.76                         | 430.52 | 405.07                           |
| North Warwickshire           | 369.23                         | 442.59 | 404.67                           |
| Harlow                       | 374.22                         | 436.67 | 404.54                           |
| Oadby and Wigston            | 368.93                         | 441.23 | 403.87                           |
| Merton                       | 383.37                         | 422.82 | 402.73                           |
| West Wiltshire               | 378.23                         | 427.55 | 402.32                           |
| Westminster                  | 384.28                         | 419.85 | 401.77                           |
| Mid Sussex                   | 376.06                         | 424.65 | 399.80                           |
| South Oxfordshire            | 375.69                         | 424.71 | 399.64                           |
| Rugby                        | 370.49                         | 428.45 | 398.68                           |
| Maldon                       | 363.77                         | 435.45 | 398.40                           |
| Basingstoke and Deane        | 376.21                         | 421.08 | 398.17                           |
| Southend-On-Sea UA           | 376.57                         | 418.88 | 397.31                           |
| Chelmsford                   | 374.46                         | 417.73 | 395.65                           |
| East Devon                   | 373.08                         | 418.58 | 395.34                           |
| St. Edmundsbury              | 368.79                         | 423.23 | 395.31                           |
| North West Leicestershire    | 366.03                         | 425.23 | 394.80                           |
| Gloucester                   | 369.14                         | 420.32 | 394.11                           |
| Bromsgrove                   | 365.60                         | 423.05 | 393.54                           |
| Bromley                      | 377.88                         | 409.07 | 393.25                           |
| Watford                      | 363.04                         | 423.94 | 392.61                           |
| Mansfield                    | 363.30                         | 418.73 | 390.28                           |
| Eastleigh                    | 365.26                         | 415.75 | 389.89                           |
| South Hams                   | 360.62                         | 420.22 | 389.57                           |
| South Lakeland               | 363.34                         | 416.60 | 389.29                           |
| Hart                         | 359.73                         | 418.99 | 388.52                           |
| North East Derbyshire        | 360.13                         | 416.07 | 387.34                           |
| Waverley                     | 362.77                         | 411.93 | 386.76                           |
| East Hampshire               | 361.40                         | 413.37 | 386.73                           |
| Horsham                      | 363.14                         | 411.35 | 386.68                           |
| Bedford                      | 364.32                         | 407.98 | 385.69                           |
| Wellingborough               | 354.11                         | 418.09 | 385.11                           |
| West Dorset                  | 358.32                         | 411.60 | 384.27                           |
| Wyre                         | 358.80                         | 409.61 | 383.58                           |
| West Somerset                | 340.69                         | 427.34 | 382.19                           |
| South Bucks                  | 349.67                         | 416.63 | 382.05                           |
| Derbyshire Dales             | 350.27                         | 415.53 | 381.86                           |
| Malvern Hills                | 350.72                         | 412.28 | 380.57                           |
| Allerdale                    | 352.89                         | 409.35 | 380.34                           |
| York UA                      | 361.35                         | 399.31 | 379.98                           |
| Amber Valley                 | 355.64                         | 405.53 | 379.97                           |
| Charnwood                    | 359.04                         | 401.21 | 379.69                           |
| Tandridge                    | 350.38                         | 409.79 | 379.21                           |
| Bolsover                     | 347.69                         | 411.44 | 378.56                           |
| Stevenage                    | 348.54                         | 409.55 | 378.13                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Telford and Wrekin UA       | 355.01                         | 398.37 | 376.22                           |
| Hinckley and Bosworth       | 349.91                         | 403.64 | 376.06                           |
| Braintree                   | 352.48                         | 397.96 | 374.70                           |
| South Gloucestershire UA    | 357.91                         | 391.51 | 374.43                           |
| Mid Devon                   | 342.99                         | 404.96 | 373.02                           |
| West Devon                  | 337.07                         | 410.98 | 372.66                           |
| Broxbourne                  | 344.59                         | 401.86 | 372.40                           |
| Hertsmere                   | 346.33                         | 399.73 | 372.31                           |
| Stratford-On-Avon           | 348.17                         | 397.69 | 372.31                           |
| Blaby                       | 343.54                         | 399.72 | 370.83                           |
| South Holland               | 342.59                         | 400.54 | 370.72                           |
| Craven                      | 335.67                         | 406.93 | 370.02                           |
| Bolton                      | 353.16                         | 386.23 | 369.42                           |
| Teesdale                    | 317.10                         | 427.44 | 369.21                           |
| East Lindsey                | 345.54                         | 390.19 | 367.36                           |
| North Hertfordshire         | 343.40                         | 391.26 | 366.75                           |
| Torridge                    | 334.53                         | 400.38 | 366.35                           |
| Nottingham UA               | 350.62                         | 380.91 | 365.53                           |
| Norwich                     | 343.75                         | 387.46 | 365.11                           |
| Christchurch                | 330.09                         | 402.77 | 365.08                           |
| Luton UA                    | 346.23                         | 384.54 | 365.01                           |
| Dover                       | 338.71                         | 389.61 | 363.49                           |
| Winchester                  | 338.93                         | 388.04 | 362.87                           |
| North Somerset UA           | 343.20                         | 379.07 | 360.80                           |
| Newark and Sherwood         | 335.89                         | 385.90 | 360.25                           |
| Wyre Forest                 | 334.10                         | 387.84 | 360.22                           |
| Wychavon                    | 336.20                         | 385.41 | 360.18                           |
| East Riding of Yorkshire UA | 345.24                         | 374.04 | 359.42                           |
| Enfield                     | 342.72                         | 373.70 | 357.96                           |
| Richmond upon Thames        | 338.41                         | 377.41 | 357.51                           |
| Rutland UA                  | 316.89                         | 401.47 | 357.32                           |
| Shepway                     | 330.76                         | 382.32 | 355.84                           |
| Test Valley                 | 331.18                         | 380.95 | 355.41                           |
| Greenwich                   | 338.24                         | 373.15 | 355.38                           |
| Uttlesford                  | 323.75                         | 384.76 | 353.27                           |
| Sedgemoor                   | 329.19                         | 378.34 | 353.12                           |
| Walsall                     | 336.80                         | 369.41 | 352.83                           |
| Windsor and Maidenhead UA   | 329.97                         | 373.87 | 351.40                           |
| Woking                      | 324.21                         | 378.73 | 350.68                           |
| Berwick-upon-Tweed          | 302.69                         | 403.15 | 350.25                           |
| Ashfield                    | 326.32                         | 375.37 | 350.20                           |
| South Cambridgeshire        | 327.65                         | 371.42 | 349.02                           |
| Harrow                      | 331.62                         | 366.37 | 348.67                           |
| Herefordshire, County of UA | 329.63                         | 368.09 | 348.46                           |
| Bracknell Forest UA         | 323.87                         | 373.77 | 348.15                           |
| South Kesteven              | 325.71                         | 371.13 | 347.87                           |
| East Northamptonshire       | 319.95                         | 377.26 | 347.72                           |
| North Wiltshire             | 325.09                         | 370.85 | 347.41                           |
| Harrogate                   | 326.65                         | 367.69 | 346.72                           |
| Isle of Wight UA            | 325.05                         | 367.53 | 345.80                           |
| North Shropshire            | 312.31                         | 378.61 | 344.27                           |
| Wycombe                     | 324.08                         | 364.85 | 344.01                           |
| Daventry                    | 312.64                         | 372.76 | 341.71                           |
| Sheffield                   | 330.54                         | 352.28 | 341.28                           |
| North Lincolnshire UA       | 321.08                         | 361.91 | 341.04                           |
| Erewash                     | 313.89                         | 362.89 | 337.73                           |
| Castle Point                | 309.57                         | 363.85 | 335.89                           |
| Cotswold                    | 308.69                         | 363.94 | 335.47                           |
| Chiltern                    | 305.69                         | 359.00 | 331.55                           |
| Basildon                    | 312.42                         | 351.19 | 331.38                           |

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

| <b>Local authority</b> | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|------------------------|--------------------------------|--------|----------------------------------|
| Ryedale                | 297.73                         | 367.41 | 331.20                           |
| Aylesbury Vale         | 311.10                         | 350.37 | 330.30                           |
| Forest Heath           | 298.79                         | 362.98 | 329.72                           |
| Tendring               | 306.92                         | 346.20 | 326.12                           |
| South Bedfordshire     | 302.27                         | 349.45 | 325.22                           |
| Harborough             | 297.22                         | 353.00 | 324.21                           |
| South Staffordshire    | 298.78                         | 347.99 | 322.68                           |
| Dacorum                | 301.96                         | 344.22 | 322.57                           |
| Bexley                 | 305.67                         | 338.87 | 321.95                           |
| Wolverhampton          | 306.25                         | 338.24 | 321.95                           |
| South Shropshire       | 284.76                         | 360.45 | 320.94                           |
| Colchester             | 301.75                         | 339.13 | 320.03                           |
| Three Rivers           | 292.44                         | 345.28 | 318.04                           |
| Ipswich                | 295.68                         | 339.41 | 316.98                           |
| Rochford               | 289.91                         | 344.72 | 316.43                           |
| Reading UA             | 295.75                         | 335.54 | 315.17                           |
| Tewkesbury             | 288.01                         | 342.92 | 314.57                           |
| Breckland              | 293.19                         | 335.94 | 314.02                           |
| Ashford                | 288.50                         | 334.66 | 310.94                           |
| Canterbury             | 291.62                         | 330.54 | 310.63                           |
| South Northamptonshire | 284.28                         | 338.54 | 310.52                           |
| East Cambridgeshire    | 283.90                         | 337.98 | 310.06                           |
| Melton                 | 275.44                         | 346.56 | 309.48                           |
| Great Yarmouth         | 285.06                         | 334.51 | 309.05                           |
| Brentwood              | 280.63                         | 337.04 | 307.87                           |
| Eden                   | 274.64                         | 343.12 | 307.46                           |
| Babergh                | 281.84                         | 334.57 | 307.36                           |
| Huntingdonshire        | 288.17                         | 327.06 | 307.15                           |
| Spelthorne             | 280.90                         | 331.46 | 305.40                           |
| Thurrock UA            | 282.65                         | 321.83 | 301.76                           |
| Elmbridge              | 275.62                         | 317.31 | 295.92                           |
| North Norfolk          | 273.34                         | 319.11 | 295.57                           |
| Mid Bedfordshire       | 273.36                         | 315.97 | 294.09                           |
| Stroud                 | 271.66                         | 317.04 | 293.69                           |
| Forest of Dean         | 262.00                         | 314.23 | 287.23                           |
| St. Albans             | 266.96                         | 307.61 | 286.75                           |
| West Berkshire UA      | 264.17                         | 302.89 | 283.03                           |
| East Hertfordshire     | 261.43                         | 302.27 | 281.29                           |
| Mid Suffolk            | 254.63                         | 302.87 | 277.97                           |
| Bridgnorth             | 246.58                         | 311.87 | 277.80                           |
| Broadland              | 252.99                         | 294.50 | 273.16                           |
| Runnymede              | 248.17                         | 297.82 | 272.15                           |
| Broxtowe               | 245.67                         | 289.26 | 266.80                           |
| Welwyn Hatfield        | 242.34                         | 284.30 | 262.69                           |
| Gedling                | 238.32                         | 280.81 | 258.92                           |
| South Norfolk          | 235.86                         | 276.52 | 255.59                           |
| Waveney                | 230.59                         | 270.07 | 249.75                           |
| Wokingham UA           | 230.94                         | 266.41 | 248.20                           |
| Oswestry               | 211.91                         | 281.20 | 244.73                           |
| Suffolk Coastal        | 220.97                         | 259.20 | 239.52                           |
| Rushcliffe             | 211.51                         | 251.92 | 231.05                           |
| Kingston upon Thames   | 201.83                         | 234.05 | 217.50                           |

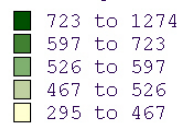
Head injuries: spells: males

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

Principal diagnosis on admission or discharge: 2009-2011

All admissions

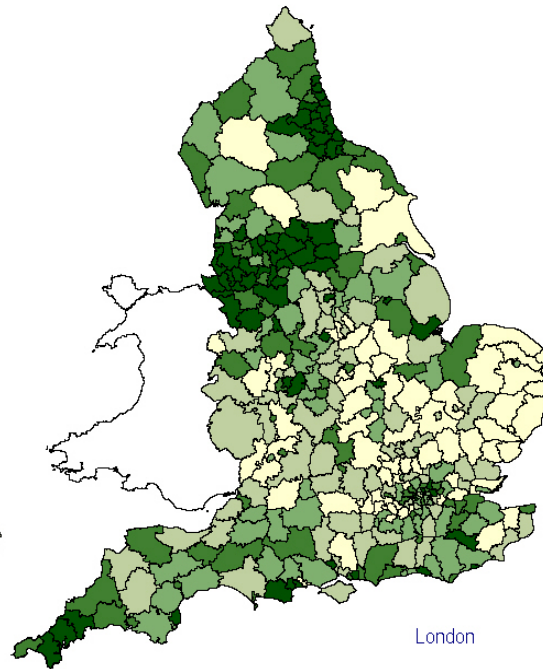
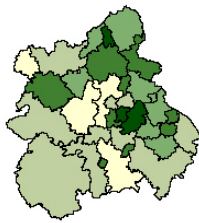
Quintile range of rates



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.*

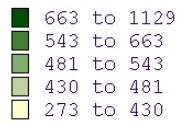
Head injuries: : People (per year per la): males

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

Principal diagnosis on admission or discharge: 2009-2011

All admissions

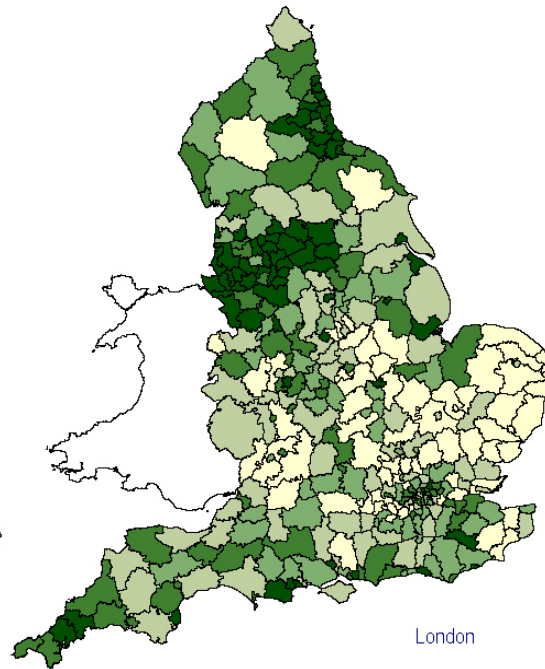
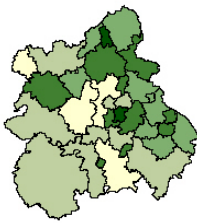
Quintile range of rates



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.*

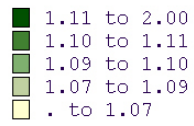
# Head injuries: ratios: males

Number of spells per person: each local authority in England

Principal diagnosis on admission or discharge: 2009-2011

All admissions

Ratios



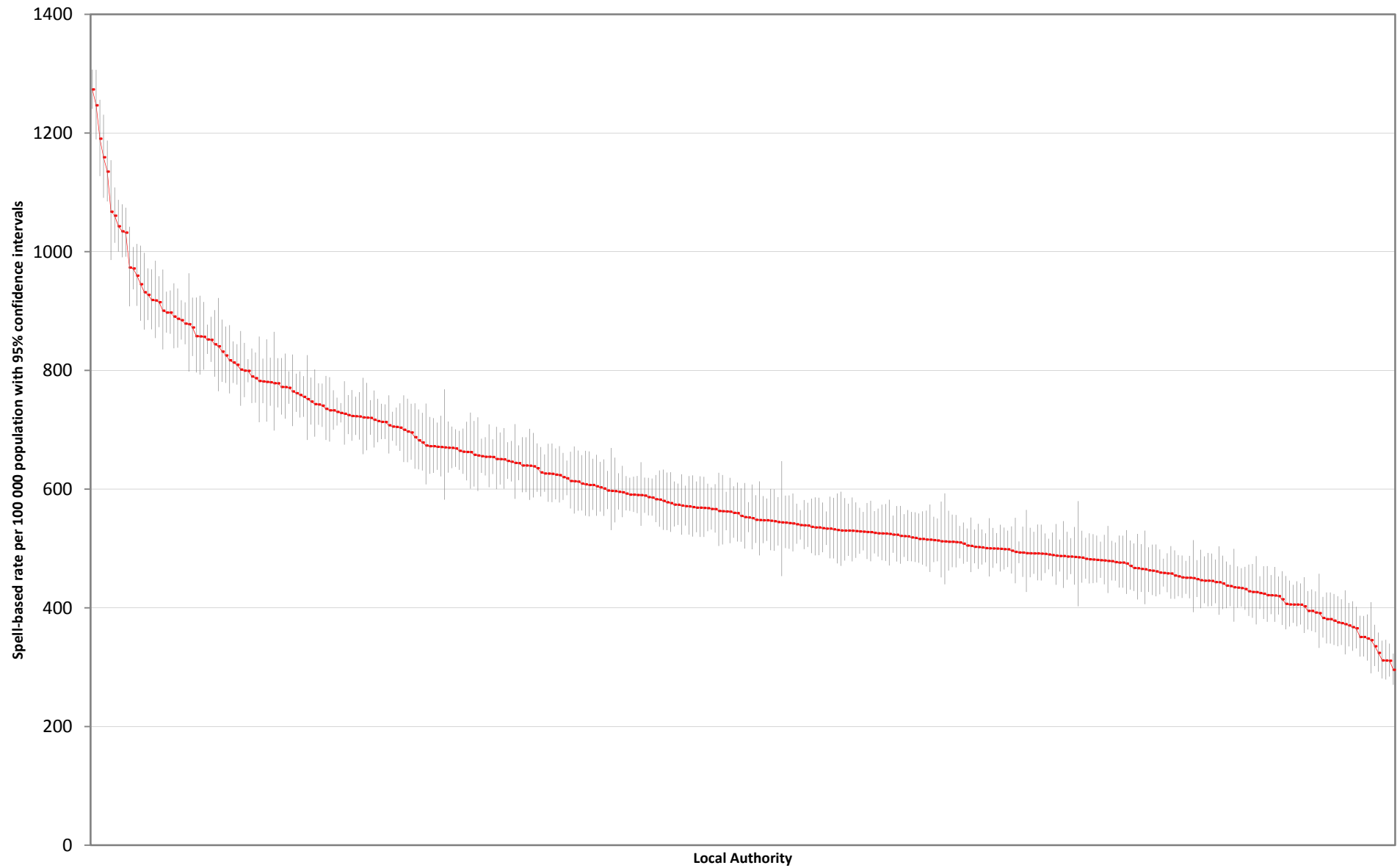
Manchester

West Midlands

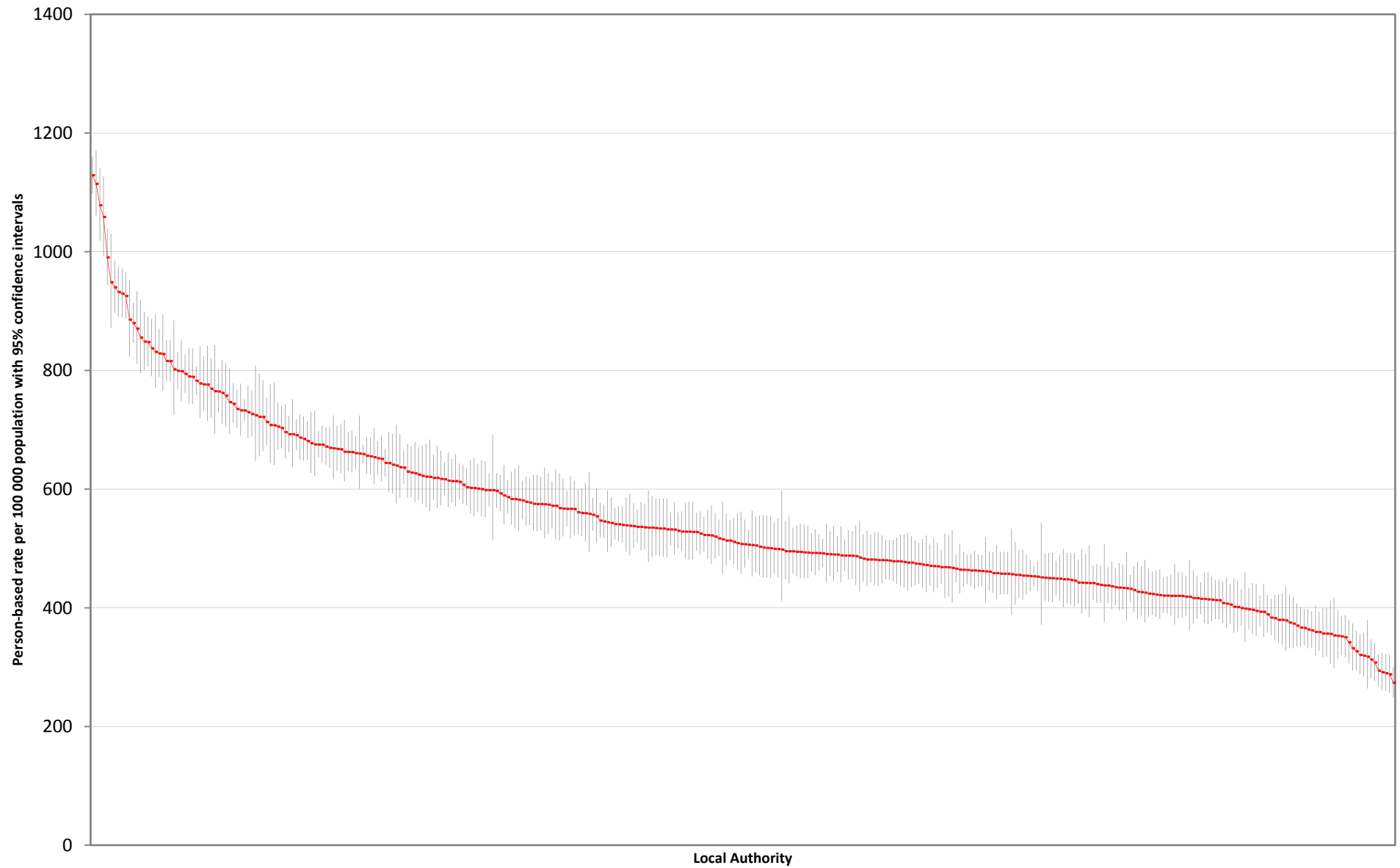
London

*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.*

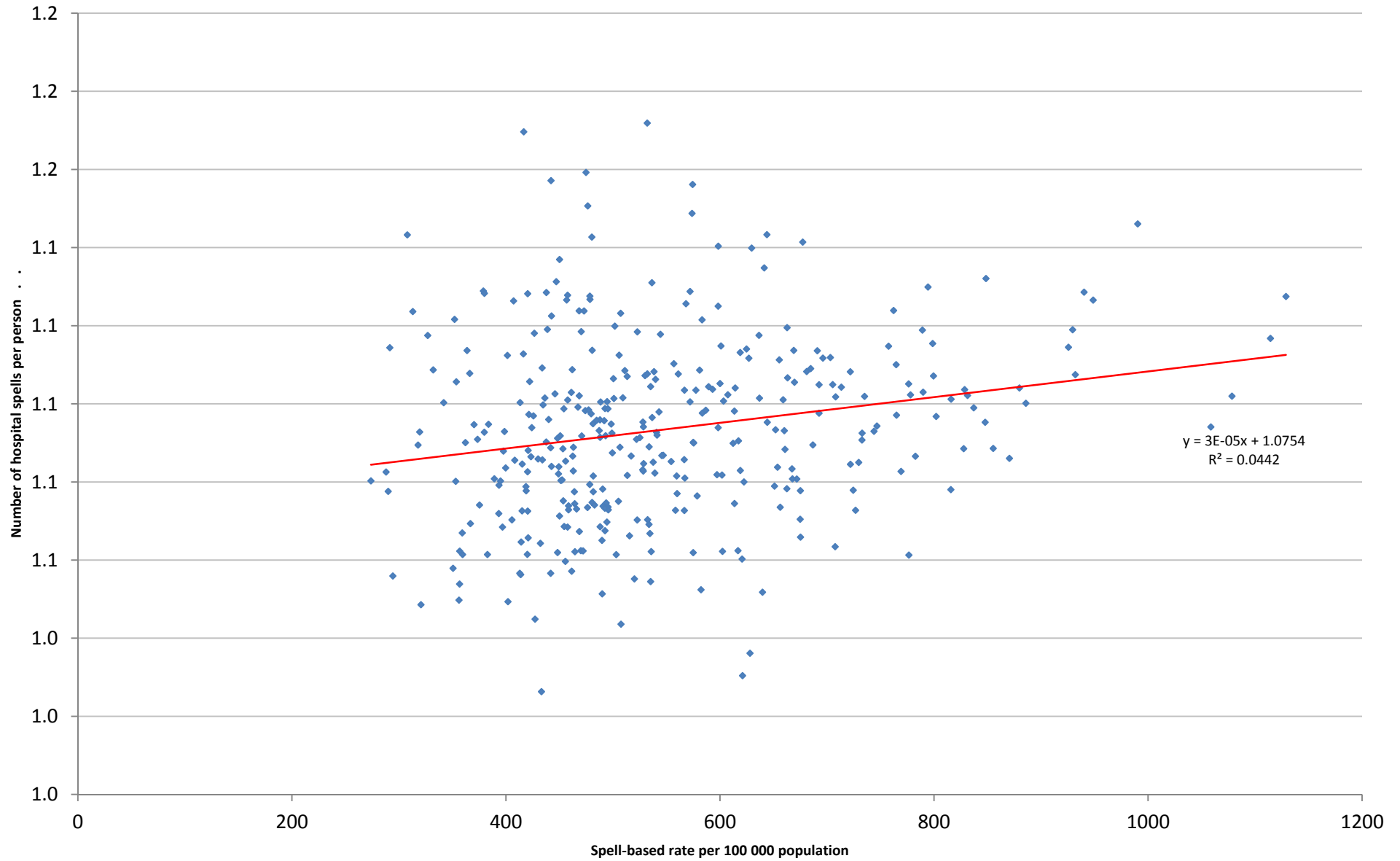
Head injuries : Spell-based rate per 100 000 population for each Local Authority , Males



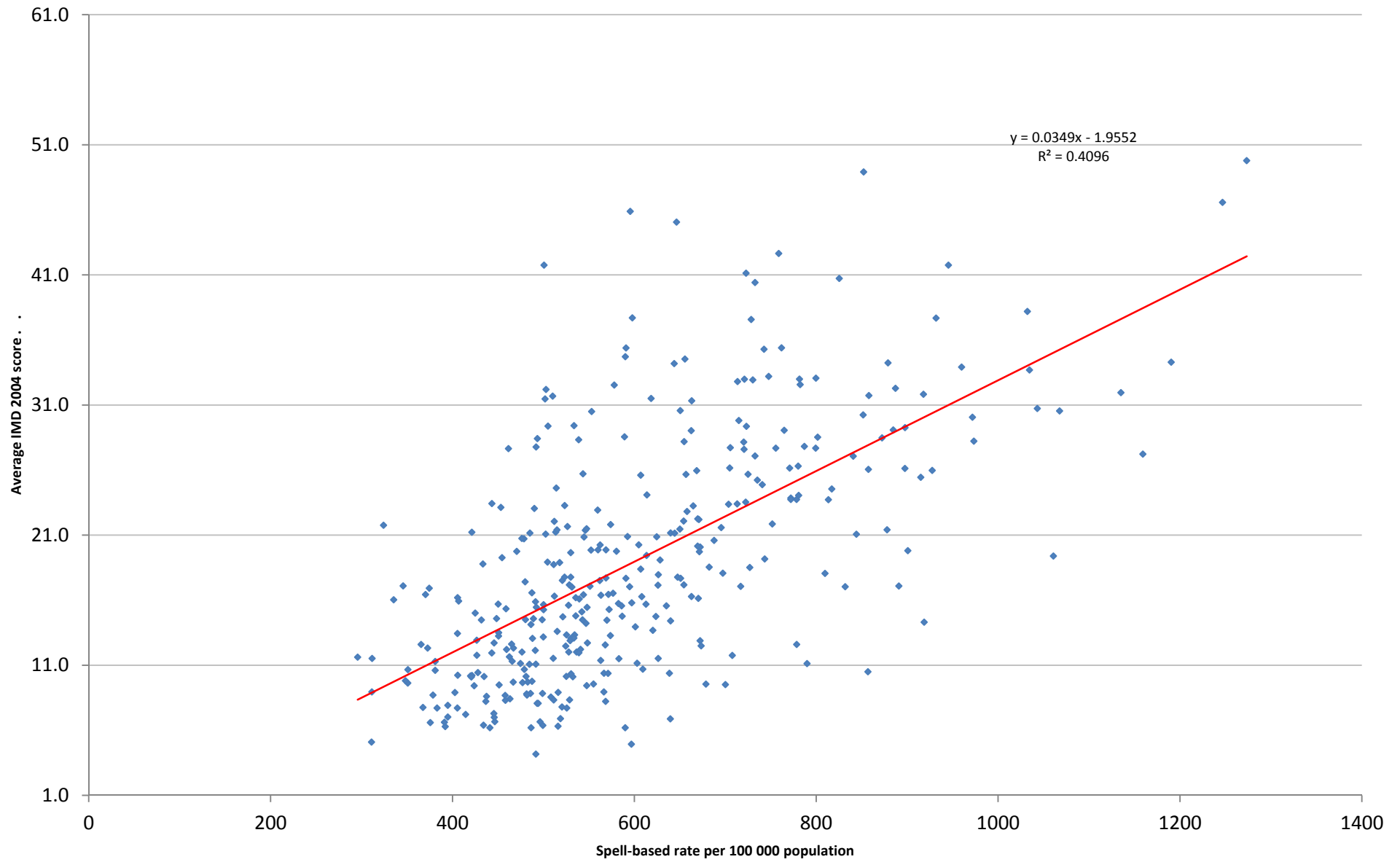
Head injuries : Person-based rate per 100 000 population for each Local Authority , Males



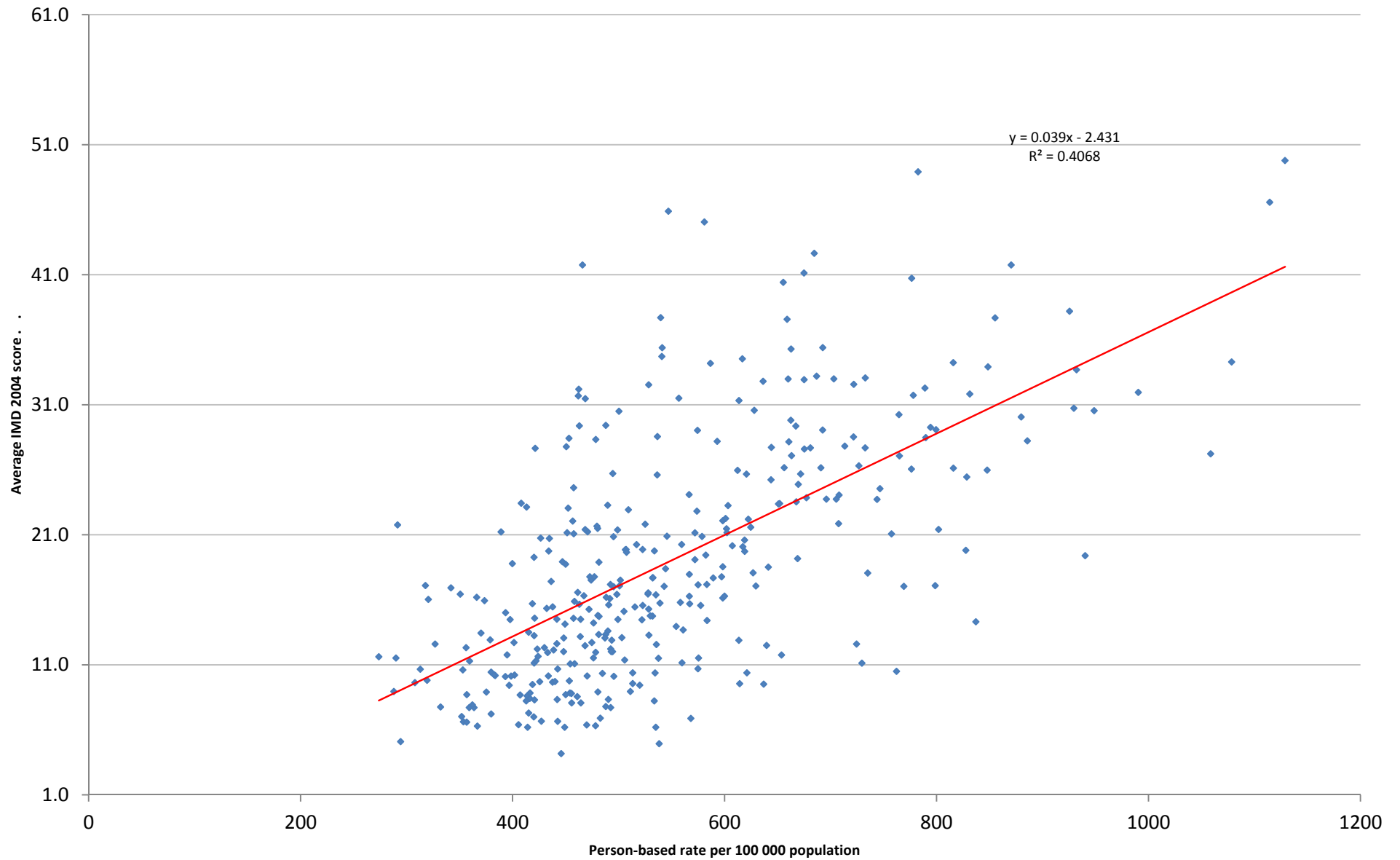
Head injuries : number of spells plotted against the person-based rate for each Local Authority , Males



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



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



| HES data 2009-2011: CIPS file v1Eng |                                 |                               |      |     | Head injuriesall ages, Males |           |                                 |                            |         |        |                                 |                            |                                 |        |     |
|-------------------------------------|---------------------------------|-------------------------------|------|-----|------------------------------|-----------|---------------------------------|----------------------------|---------|--------|---------------------------------|----------------------------|---------------------------------|--------|-----|
|                                     |                                 |                               |      |     | CIPS                         |           |                                 |                            | People  |        |                                 |                            |                                 |        |     |
| Label                               | Local authority                 | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Obs.    | Exp.   | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Ratio of<br>spells to<br>people |        |     |
| N/A                                 | ALL ENGLAND                     |                               |      |     | 321251                       | 321251.00 | 626.42                          | 624.26                     | 628.59  | 293266 | #####                           | 571.85                     | 569.78                          | 573.92 | 1.1 |
| 45UB                                | Adur                            | 17.0                          | Q19  | J   | 321                          | 378.49    | 531.27                          | 474.73                     | 592.69  | 299    | 345.15                          | 495.38                     | 440.81                          | 554.84 | 1.1 |
| 16UB                                | Allerdale                       | 22.9                          | Q13  | B   | 499                          | 558.47    | 559.71                          | 511.67                     | 611.05  | 453    | 508.68                          | 509.25                     | 463.43                          | 558.38 | 1.1 |
| 35UB                                | Alnwick                         | 16.1                          | Q09  | A   | 207                          | 193.41    | 670.42                          | 582.19                     | 768.24  | 184    | 175.86                          | 598.31                     | 514.97                          | 691.29 | 1.1 |
| 17UB                                | Amber Valley                    | 18.9                          | Q24  | E   | 598                          | 723.37    | 517.85                          | 477.17                     | 561.07  | 555    | 659.12                          | 481.52                     | 442.29                          | 523.30 | 1.1 |
| 45UC                                | Arun                            | 15.6                          | Q19  | J   | 949                          | 935.78    | 635.27                          | 595.49                     | 677.01  | 860    | 851.60                          | 577.49                     | 539.53                          | 617.42 | 1.1 |
| 37UB                                | Ashfield                        | 27.8                          | Q24  | E   | 547                          | 696.57    | 491.92                          | 451.55                     | 534.92  | 501    | 635.60                          | 450.75                     | 412.14                          | 492.00 | 1.1 |
| 29UB                                | Ashford                         | 13.4                          | Q18  | J   | 451                          | 696.66    | 405.53                          | 368.96                     | 444.74  | 412    | 636.45                          | 370.18                     | 335.29                          | 407.71 | 1.1 |
| 11UB                                | Aylesbury Vale                  | 8.3                           | Q16  | J   | 766                          | 1047.25   | 458.19                          | 426.31                     | 491.82  | 704    | 956.88                          | 420.73                     | 390.22                          | 452.99 | 1.1 |
| 42UB                                | Babergh                         | 11.3                          | Q01  | G   | 311                          | 511.27    | 381.04                          | 339.87                     | 425.84  | 293    | 466.11                          | 359.47                     | 319.48                          | 403.08 | 1.1 |
| 00AB                                | Barking and Dagenham            | 31.3                          | Q06  | H   | 1183                         | 1117.63   | 663.06                          | 625.81                     | 701.95  | 1101   | 1026.07                         | 613.61                     | 577.90                          | 650.96 | 1.1 |
| 00AC                                | Barnet                          | 16.1                          | Q05  | H   | 1832                         | 2127.48   | 539.42                          | 515.00                     | 564.70  | 1672   | 1944.25                         | 491.78                     | 468.48                          | 515.93 | 1.1 |
| 00CC                                | Barnsley                        | 33.0                          | Q23  | D   | 1690                         | 1354.48   | 781.59                          | 744.77                     | 819.77  | 1520   | 1236.17                         | 703.15                     | 668.24                          | 739.41 | 1.1 |
| 16UC                                | Barrow-In-Furness               | 33.0                          | Q13  | B   | 493                          | 428.33    | 721.00                          | 658.75                     | 787.55  | 451    | 390.72                          | 660.07                     | 600.55                          | 723.90 | 1.1 |
| 22UB                                | Basildon                        | 20.7                          | Q03  | G   | 805                          | 1053.65   | 478.59                          | 446.10                     | 512.83  | 732    | 962.92                          | 434.71                     | 403.79                          | 467.38 | 1.1 |
| 24UB                                | Basingstoke and Deane           | 8.8                           | Q17  | J   | 779                          | 978.04    | 498.94                          | 464.51                     | 535.24  | 709    | 892.87                          | 454.09                     | 421.27                          | 488.78 | 1.1 |
| 37UC                                | Bassetlaw                       | 25.7                          | Q24  | E   | 591                          | 681.09    | 543.56                          | 500.61                     | 589.20  | 537    | 620.95                          | 494.54                     | 453.59                          | 538.19 | 1.1 |
| 00HA                                | Bath and North East Somerset UA | 12.2                          | Q20  | K   | 1001                         | 1159.32   | 540.88                          | 507.88                     | 575.45  | 911    | 1057.60                         | 492.58                     | 461.11                          | 525.64 | 1.1 |
| 09UD                                | Bedford                         | 17.5                          | Q02  | G   | 816                          | 981.37    | 520.86                          | 485.73                     | 557.86  | 743    | 896.12                          | 474.14                     | 440.66                          | 509.50 | 1.1 |
| 35UC                                | Berwick-upon-Tweed              | 21.2                          | Q09  | A   | 121                          | 156.22    | 485.18                          | 402.58                     | 579.73  | 112    | 141.88                          | 451.43                     | 371.70                          | 543.19 | 1.1 |
| 00AD                                | Bexley                          | 15.0                          | Q07  | H   | 927                          | 1366.37   | 424.99                          | 398.07                     | 453.25  | 859    | 1248.47                         | 393.46                     | 367.58                          | 420.67 | 1.1 |
| 00CN                                | Birmingham                      | 37.6                          | Q27  | F   | 7683                         | 6607.22   | 728.41                          | 712.22                     | 744.89  | 6978   | 6054.67                         | 659.06                     | 643.68                          | 674.71 | 1.1 |
| 31UB                                | Blaby                           | 8.7                           | Q25  | E   | 419                          | 573.13    | 457.96                          | 415.15                     | 503.98  | 372    | 522.54                          | 407.10                     | 366.78                          | 450.65 | 1.1 |
| 00EX                                | Blackburn with Darwen UA        | 32.3                          | Q13  | B   | 1233                         | 870.63    | 887.15                          | 838.31                     | 938.09  | 1102   | 798.56                          | 789.15                     | 743.24                          | 837.16 | 1.1 |
| 00EY                                | Blackpool UA                    | 33.9                          | Q13  | B   | 1320                         | 861.44    | 959.87                          | 908.78                     | 1013.09 | 1166   | 785.73                          | 848.61                     | 800.59                          | 898.76 | 1.1 |
| 35UD                                | Blyth Valley                    | 26.1                          | Q09  | A   | 652                          | 476.35    | 857.41                          | 792.85                     | 925.83  | 590    | 434.60                          | 776.32                     | 714.93                          | 841.57 | 1.1 |
| 17UC                                | Bolsover                        | 30.5                          | Q24  | E   | 395                          | 447.48    | 552.96                          | 499.77                     | 610.28  | 357    | 407.99                          | 500.38                     | 449.81                          | 555.08 | 1.1 |
| 00BL                                | Bolton                          | 29.4                          | Q14  | B   | 1385                         | 1625.99   | 533.58                          | 505.84                     | 562.44  | 1269   | 1487.17                         | 487.96                     | 461.48                          | 515.56 | 1.1 |
| 32UB                                | Boston                          | 21.9                          | Q24  | E   | 436                          | 363.31    | 751.75                          | 682.83                     | 825.74  | 410    | 331.33                          | 707.62                     | 640.77                          | 779.55 | 1.1 |
| 00HN                                | Bournemouth UA                  | 23.7                          | Q22  | K   | 1369                         | 1101.84   | 778.31                          | 737.62                     | 820.66  | 1239   | 1004.45                         | 705.39                     | 666.65                          | 745.78 | 1.1 |
| 00MA                                | Bracknell Forest UA             | 8.6                           | Q16  | J   | 488                          | 698.86    | 437.42                          | 399.46                     | 478.01  | 462    | 638.50                          | 413.77                     | 376.90                          | 453.28 | 1.1 |
| 00CX                                | Bradford                        | 32.9                          | Q12  | D   | 3742                         | 3209.87   | 730.27                          | 707.05                     | 754.05  | 3472   | 2940.91                         | 675.12                     | 652.85                          | 697.96 | 1.1 |
| 22UC                                | Braintree                       | 13.2                          | Q03  | G   | 621                          | 863.10    | 450.71                          | 415.95                     | 487.59  | 579    | 787.71                          | 420.33                     | 386.79                          | 456.01 | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                      |                               |          | Head injuriesall ages, Males |           |                                 |                            |        |        |         |                                 |                            |        |                                 |
|-------------------------------------|----------------------|-------------------------------|----------|------------------------------|-----------|---------------------------------|----------------------------|--------|--------|---------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                      |                               |          | CIPS                         |           |                                 |                            |        | People |         |                                 |                            |        |                                 |
| Label                               | Local authority      | IMD 2004:<br>Average<br>Score | StHA GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND          |                               |          | 321251                       | 321251.00 | 626.42                          | 624.26                     | 628.59 | 293266 | #####   | 571.85                          | 569.78                     | 573.92 | 1.1                             |
| 33UB                                | Breckland            | 14.5                          | Q01 G    | 557                          | 808.10    | 431.77                          | 396.65                     | 469.17 | 512    | 736.29  | 397.65                          | 363.95                     | 433.64 | 1.1                             |
| 00AE                                | Brent                | 26.0                          | Q04 H    | 1734                         | 1624.73   | 668.55                          | 637.45                     | 700.78 | 1591   | 1485.90 | 612.30                          | 582.58                     | 643.15 | 1.1                             |
| 22UD                                | Brentwood            | 8.9                           | Q03 G    | 290                          | 451.21    | 402.61                          | 357.60                     | 451.72 | 270    | 411.41  | 375.30                          | 331.86                     | 422.84 | 1.1                             |
| 39UB                                | Bridgnorth           | 12.3                          | Q26 F    | 190                          | 319.42    | 372.62                          | 321.51                     | 429.54 | 181    | 290.63  | 356.14                          | 306.14                     | 411.97 | 1.0                             |
| 00ML                                | Brighton and Hove UA | 25.7                          | Q19 J    | 1887                         | 1630.52   | 724.96                          | 692.61                     | 758.42 | 1746   | 1486.29 | 671.77                          | 640.63                     | 704.04 | 1.1                             |
| 00HB                                | Bristol, City of UA  | 27.7                          | Q20 K    | 3208                         | 2848.20   | 705.55                          | 681.35                     | 730.40 | 2929   | 2599.97 | 644.22                          | 621.10                     | 667.98 | 1.1                             |
| 33UC                                | Broadland            | 9.6                           | Q01 G    | 415                          | 740.83    | 350.91                          | 317.96                     | 386.35 | 363    | 674.25  | 307.87                          | 277.01                     | 341.23 | 1.1                             |
| 00AF                                | Bromley              | 13.2                          | Q07 H    | 1488                         | 1864.68   | 499.88                          | 474.80                     | 525.94 | 1381   | 1702.26 | 463.93                          | 439.78                     | 489.06 | 1.1                             |
| 47UB                                | Bromsgrove           | 10.1                          | Q28 F    | 472                          | 562.94    | 525.22                          | 478.90                     | 574.82 | 422    | 513.08  | 470.34                          | 426.52                     | 517.43 | 1.1                             |
| 26UB                                | Broxbourne           | 14.7                          | Q02 G    | 451                          | 541.91    | 521.33                          | 474.32                     | 571.74 | 417    | 495.19  | 481.55                          | 436.44                     | 530.07 | 1.1                             |
| 37UD                                | Broxtowe             | 16.0                          | Q24 E    | 367                          | 685.55    | 335.35                          | 301.91                     | 371.47 | 350    | 624.36  | 320.56                          | 287.85                     | 355.97 | 1.0                             |
| 30UD                                | Burnley              | 31.8                          | Q13 B    | 777                          | 530.25    | 917.92                          | 854.51                     | 984.80 | 705    | 484.92  | 831.39                          | 771.14                     | 895.09 | 1.1                             |
| 00BM                                | Bury                 | 23.5                          | Q14 B    | 1271                         | 1102.00   | 722.48                          | 683.30                     | 763.32 | 1176   | 1007.08 | 667.77                          | 630.15                     | 707.06 | 1.1                             |
| 00CY                                | Calderdale           | 25.4                          | Q12 D    | 1768                         | 1210.38   | 915.01                          | 872.85                     | 958.68 | 1602   | 1105.60 | 828.61                          | 788.52                     | 870.20 | 1.1                             |
| 12UB                                | Cambridge            | 14.6                          | Q01 G    | 687                          | 880.15    | 488.95                          | 453.07                     | 526.92 | 643    | 803.64  | 457.54                          | 422.86                     | 494.32 | 1.1                             |
| 00AG                                | Camden               | 34.7                          | Q05 H    | 1379                         | 1463.84   | 590.11                          | 559.37                     | 622.10 | 1262   | 1334.45 | 540.80                          | 511.37                     | 571.49 | 1.1                             |
| 41UB                                | Cannock Chase        | 20.3                          | Q26 F    | 544                          | 563.37    | 604.88                          | 555.11                     | 657.92 | 503    | 514.10  | 559.51                          | 511.67                     | 610.61 | 1.1                             |
| 29UC                                | Canterbury           | 16.2                          | Q18 J    | 627                          | 968.22    | 405.66                          | 374.52                     | 438.69 | 566    | 884.01  | 366.14                          | 336.59                     | 397.58 | 1.1                             |
| 15UB                                | Caradon              | 18.4                          | Q21 K    | 484                          | 499.50    | 606.98                          | 554.10                     | 663.55 | 433    | 454.90  | 544.32                          | 494.25                     | 598.09 | 1.1                             |
| 16UD                                | Carlisle             | 22.2                          | Q13 B    | 675                          | 630.10    | 671.05                          | 621.38                     | 723.65 | 625    | 574.22  | 622.42                          | 574.57                     | 673.19 | 1.1                             |
| 15UC                                | Carrick              | 19.2                          | Q21 K    | 676                          | 569.68    | 743.33                          | 688.35                     | 801.54 | 607    | 518.92  | 668.92                          | 616.75                     | 724.31 | 1.1                             |
| 35UE                                | Castle Morpeth       | 15.8                          | Q09 A    | 295                          | 309.50    | 597.07                          | 530.87                     | 669.24 | 275    | 281.64  | 558.36                          | 494.31                     | 628.41 | 1.1                             |
| 22UE                                | Castle Point         | 12.7                          | Q03 G    | 386                          | 542.42    | 445.77                          | 402.41                     | 492.54 | 347    | 494.41  | 401.36                          | 360.23                     | 445.89 | 1.1                             |
| 31UC                                | Charnwood            | 12.1                          | Q25 E    | 846                          | 1079.19   | 491.06                          | 458.52                     | 525.30 | 756    | 985.36  | 438.74                          | 408.02                     | 471.17 | 1.1                             |
| 22UF                                | Chelmsford           | 8.6                           | Q03 G    | 836                          | 1030.50   | 508.19                          | 474.32                     | 543.84 | 758    | 940.22  | 461.02                          | 428.78                     | 495.05 | 1.1                             |
| 23UB                                | Cheltenham           | 14.4                          | Q20 K    | 742                          | 726.40    | 639.88                          | 594.66                     | 687.62 | 676    | 662.47  | 583.53                          | 540.36                     | 629.23 | 1.1                             |
| 38UB                                | Cherwell             | 11.2                          | Q16 J    | 811                          | 842.44    | 603.04                          | 562.24                     | 646.01 | 753    | 769.09  | 559.89                          | 520.61                     | 601.35 | 1.1                             |
| 13UB                                | Chester              | 17.0                          | Q15 B    | 982                          | 739.50    | 831.84                          | 780.62                     | 885.54 | 907    | 674.31  | 769.18                          | 719.93                     | 820.92 | 1.1                             |
| 17UD                                | Chesterfield         | 27.1                          | Q24 E    | 716                          | 612.09    | 732.76                          | 680.06                     | 788.46 | 647    | 557.90  | 663.18                          | 613.05                     | 716.31 | 1.1                             |
| 20UB                                | Chester-Le-Street    | 21.4                          | Q10 A    | 442                          | 315.37    | 877.93                          | 797.98                     | 963.73 | 403    | 287.36  | 801.98                          | 725.58                     | 884.24 | 1.1                             |
| 45UD                                | Chichester           | 10.7                          | Q19 J    | 669                          | 687.78    | 609.32                          | 564.01                     | 657.29 | 630    | 626.58  | 574.97                          | 530.94                     | 621.68 | 1.1                             |
| 11UC                                | Chiltern             | 6.2                           | Q16 J    | 379                          | 538.24    | 441.10                          | 397.80                     | 487.82 | 356    | 491.47  | 414.23                          | 372.31                     | 459.58 | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                       |                            |      |     | Head injuriesall ages, Males |           |                           |                         |         |        |                           |                         |                           |        |     |
|-------------------------------------|-----------------------|----------------------------|------|-----|------------------------------|-----------|---------------------------|-------------------------|---------|--------|---------------------------|-------------------------|---------------------------|--------|-----|
|                                     |                       |                            |      |     | CIPS                         |           |                           |                         |         | People |                           |                         |                           |        |     |
| Label                               | Local authority       | IMD 2004:<br>Average Score | StHA | GOR | Obs.                         | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.    | Exp.   | indirect rate per 100,000 | 95% Confidence interval | Ratio of spells to people |        |     |
| N/A                                 | ALL ENGLAND           |                            |      |     | 321251                       | 321251.00 | 626.42                    | 624.26                  | 628.59  | 293266 | #####                     | 571.85                  | 569.78                    | 573.92 | 1.1 |
| 30UE                                | Chorley               | 17.2                       | Q13  | B   | 629                          | 629.50    | 625.93                    | 577.96                  | 676.81  | 577    | 573.81                    | 575.03                  | 529.06                    | 623.93 | 1.1 |
| 19UC                                | Christchurch          | 12.6                       | Q22  | K   | 224                          | 301.73    | 465.04                    | 406.13                  | 530.10  | 212    | 274.42                    | 441.78                  | 384.31                    | 505.43 | 1.1 |
| 22UG                                | Colchester            | 14.6                       | Q03  | G   | 811                          | 1132.77   | 448.48                    | 418.14                  | 480.44  | 761    | 1034.30                   | 420.75                  | 391.38                    | 451.73 | 1.1 |
| 13UC                                | Congleton             | 9.5                        | Q15  | B   | 608                          | 544.00    | 700.12                    | 645.56                  | 758.05  | 552    | 495.61                    | 636.91                  | 584.88                    | 692.33 | 1.1 |
| 16UE                                | Copeland              | 25.7                       | Q13  | B   | 440                          | 419.70    | 656.73                    | 596.79                  | 721.05  | 415    | 382.37                    | 620.65                  | 562.37                    | 683.34 | 1.1 |
| 34UB                                | Corby                 | 27.1                       | Q25  | E   | 452                          | 336.77    | 840.76                    | 765.02                  | 921.96  | 412    | 307.98                    | 765.00                  | 692.90                    | 842.56 | 1.1 |
| 23UC                                | Cotswold              | 8.8                        | Q20  | K   | 393                          | 506.75    | 485.81                    | 438.96                  | 536.30  | 336    | 461.26                    | 416.56                  | 373.20                    | 463.57 | 1.2 |
| 00CQ                                | Coventry              | 28.2                       | Q28  | F   | 2353                         | 2046.56   | 720.22                    | 691.41                  | 749.92  | 2162   | 1871.19                   | 660.73                  | 633.17                    | 689.18 | 1.1 |
| 36UB                                | Craven                | 11.9                       | Q11  | D   | 234                          | 330.76    | 443.16                    | 388.19                  | 503.73  | 228    | 301.03                    | 433.12                  | 378.72                    | 493.15 | 1.0 |
| 45UE                                | Crawley               | 14.8                       | Q19  | J   | 675                          | 678.03    | 623.62                    | 577.45                  | 672.49  | 576    | 619.08                    | 532.06                  | 489.49                    | 577.34 | 1.2 |
| 13UD                                | Crewe and Nantwich    | 17.1                       | Q15  | B   | 1034                         | 727.11    | 890.81                    | 837.34                  | 946.81  | 927    | 663.63                    | 798.79                  | 748.19                    | 851.92 | 1.1 |
| 00AH                                | Croydon               | 19.9                       | Q08  | H   | 1862                         | 2111.44   | 552.42                    | 527.61                  | 578.09  | 1710   | 1930.71                   | 506.48                  | 482.76                    | 531.07 | 1.1 |
| 26UC                                | Dacorum               | 9.5                        | Q02  | G   | 624                          | 866.05    | 451.34                    | 416.62                  | 488.19  | 579    | 790.51                    | 418.85                  | 385.42                    | 454.40 | 1.1 |
| 00EH                                | Darlington UA         | 24.6                       | Q10  | A   | 789                          | 604.83    | 817.16                    | 761.13                  | 876.23  | 721    | 552.23                    | 746.61                  | 693.10                    | 803.16 | 1.1 |
| 29UD                                | Dartford              | 17.2                       | Q18  | J   | 600                          | 574.25    | 654.52                    | 603.18                  | 709.05  | 535    | 524.50                    | 583.30                  | 534.91                    | 634.89 | 1.1 |
| 34UC                                | Daventry              | 10.2                       | Q25  | E   | 319                          | 474.18    | 421.42                    | 376.43                  | 470.29  | 304    | 432.57                    | 401.88                  | 357.97                    | 449.69 | 1.0 |
| 00FK                                | Derby UA              | 27.7                       | Q24  | E   | 1894                         | 1570.36   | 755.52                    | 721.87                  | 790.33  | 1709   | 1434.97                   | 681.06                  | 649.15                    | 714.13 | 1.1 |
| 17UF                                | Derbyshire Dales      | 12.5                       | Q24  | E   | 354                          | 422.75    | 524.54                    | 471.32                  | 582.14  | 315    | 384.62                    | 468.34                  | 418.04                    | 523.03 | 1.1 |
| 20UD                                | Derwentside           | 28.2                       | Q10  | A   | 824                          | 530.29    | 973.37                    | 908.03                  | 1042.16 | 749    | 483.54                    | 885.79                  | 823.48                    | 951.56 | 1.1 |
| 00CE                                | Doncaster             | 31.5                       | Q23  | D   | 1752                         | 1774.75   | 618.39                    | 589.77                  | 648.04  | 1578   | 1620.33                   | 556.91                  | 529.77                    | 585.09 | 1.1 |
| 29UE                                | Dover                 | 18.7                       | Q18  | J   | 523                          | 640.76    | 511.29                    | 468.41                  | 557.05  | 460    | 584.51                    | 450.04                  | 409.85                    | 493.11 | 1.1 |
| 00CR                                | Dudley                | 22.1                       | Q27  | F   | 1934                         | 1851.84   | 654.21                    | 625.38                  | 684.03  | 1768   | 1689.81                   | 598.31                  | 570.74                    | 626.87 | 1.1 |
| 20UE                                | Durham                | 18.5                       | Q10  | A   | 724                          | 623.87    | 726.96                    | 674.96                  | 781.90  | 638    | 568.85                    | 641.37                  | 592.56                    | 693.13 | 1.1 |
| 00AJ                                | Ealing                | 23.4                       | Q04  | H   | 2307                         | 2026.57   | 713.10                    | 684.30                  | 742.81  | 2110   | 1850.77                   | 651.95                  | 624.42                    | 680.37 | 1.1 |
| 20UF                                | Easington             | 41.8                       | Q10  | A   | 871                          | 577.16    | 945.34                    | 883.59                  | 1010.27 | 802    | 526.85                    | 870.50                  | 811.29                    | 932.89 | 1.1 |
| 12UC                                | East Cambridgeshire   | 10.6                       | Q01  | G   | 310                          | 509.67    | 381.01                    | 339.77                  | 425.87  | 287    | 464.92                    | 353.01                  | 313.35                    | 396.31 | 1.1 |
| 18UB                                | East Devon            | 12.7                       | Q21  | K   | 728                          | 831.67    | 548.34                    | 509.22                  | 589.66  | 628    | 756.41                    | 474.77                  | 438.36                    | 513.40 | 1.2 |
| 19UD                                | East Dorset           | 8.2                        | Q22  | K   | 495                          | 545.55    | 568.38                    | 519.40                  | 620.73  | 463    | 496.12                    | 533.67                  | 486.16                    | 584.57 | 1.1 |
| 24UC                                | East Hampshire        | 8.1                        | Q17  | J   | 530                          | 673.31    | 493.09                    | 452.00                  | 536.91  | 499    | 614.38                    | 464.46                  | 424.59                    | 507.06 | 1.1 |
| 26UD                                | East Hertfordshire    | 6.3                        | Q02  | G   | 509                          | 813.27    | 392.05                    | 358.73                  | 427.64  | 476    | 742.19                    | 366.75                  | 334.54                    | 401.23 | 1.1 |
| 32UC                                | East Lindsey          | 24.6                       | Q24  | E   | 706                          | 860.11    | 514.18                    | 476.95                  | 553.55  | 626    | 782.35                    | 457.57                  | 422.42                    | 494.86 | 1.1 |
| 34UD                                | East Northamptonshire | 11.8                       | Q25  | E   | 350                          | 513.76    | 426.75                    | 383.20                  | 473.88  | 324    | 469.21                    | 394.87                  | 353.04                    | 440.30 | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                             |                               |      |     | Head injuriesall ages, Males |           |                                 |                            |         |        |                                 |                            |                                 |         |     |
|-------------------------------------|-----------------------------|-------------------------------|------|-----|------------------------------|-----------|---------------------------------|----------------------------|---------|--------|---------------------------------|----------------------------|---------------------------------|---------|-----|
|                                     |                             |                               |      |     | CIPS                         |           |                                 |                            | People  |        |                                 |                            |                                 |         |     |
| Label                               | Local authority             | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Obs.    | Exp.   | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Ratio of<br>spells to<br>people |         |     |
| N/A                                 | ALL ENGLAND                 |                               |      |     | 321251                       | 321251.00 | 626.42                          | 624.26                     | 628.59  | 293266 | #####                           | 571.85                     | 569.78                          | 573.92  | 1.1 |
| 00FB                                | East Riding of Yorkshire UA | 15.3                          | Q11  | D   | 1490                         | 2034.12   | 458.85                          | 435.85                     | 482.76  | 1400   | 1852.22                         | 432.23                     | 409.89                          | 455.48  | 1.1 |
| 41UC                                | East Staffordshire          | 18.5                          | Q26  | F   | 715                          | 656.40    | 682.34                          | 633.24                     | 734.25  | 627    | 599.21                          | 598.38                     | 552.45                          | 647.10  | 1.1 |
| 21UC                                | Eastbourne                  | 21.5                          | Q19  | J   | 635                          | 611.82    | 650.15                          | 600.56                     | 702.75  | 587    | 557.72                          | 601.88                     | 554.17                          | 652.60  | 1.1 |
| 24UD                                | Eastleigh                   | 8.9                           | Q17  | J   | 604                          | 732.97    | 516.20                          | 475.85                     | 559.06  | 562    | 668.88                          | 480.48                     | 441.57                          | 521.90  | 1.1 |
| 16UF                                | Eden                        | 15.7                          | Q13  | B   | 219                          | 304.69    | 450.26                          | 392.59                     | 514.01  | 203    | 277.27                          | 418.67                     | 363.05                          | 480.40  | 1.1 |
| 13UE                                | Ellesmere Port and Neston   | 19.8                          | Q15  | B   | 701                          | 487.54    | 900.68                          | 835.23                     | 969.90  | 644    | 444.94                          | 827.70                     | 765.00                          | 894.17  | 1.1 |
| 43UB                                | Elmbridge                   | 7.0                           | Q19  | J   | 498                          | 790.04    | 394.86                          | 360.94                     | 431.11  | 444    | 721.44                          | 351.94                     | 319.96                          | 386.25  | 1.1 |
| 00AK                                | Enfield                     | 23.1                          | Q05  | H   | 1409                         | 1801.01   | 490.07                          | 464.81                     | 516.35  | 1304   | 1647.94                         | 452.50                     | 428.27                          | 477.74  | 1.1 |
| 22UH                                | Epping Forest               | 13.3                          | Q03  | G   | 640                          | 750.32    | 534.32                          | 493.72                     | 577.37  | 584    | 684.53                          | 487.87                     | 449.10                          | 529.10  | 1.1 |
| 43UC                                | Epsom and Ewell             | 6.9                           | Q19  | J   | 448                          | 438.78    | 639.59                          | 581.72                     | 701.65  | 398    | 400.56                          | 568.20                     | 513.74                          | 626.86  | 1.1 |
| 17UG                                | Erewash                     | 19.3                          | Q24  | E   | 485                          | 668.40    | 454.54                          | 414.98                     | 496.85  | 448    | 609.61                          | 420.25                     | 382.23                          | 461.03  | 1.1 |
| 18UC                                | Exeter                      | 21.6                          | Q21  | K   | 850                          | 765.56    | 695.51                          | 649.54                     | 743.89  | 763    | 698.39                          | 624.75                     | 581.20                          | 670.70  | 1.1 |
| 24UE                                | Fareham                     | 7.8                           | Q17  | J   | 577                          | 694.47    | 520.46                          | 478.85                     | 564.71  | 540    | 632.85                          | 487.95                     | 447.66                          | 530.90  | 1.1 |
| 12UD                                | Fenland                     | 19.8                          | Q01  | G   | 514                          | 554.78    | 580.37                          | 531.27                     | 632.79  | 472    | 505.66                          | 533.78                     | 486.71                          | 584.18  | 1.1 |
| 42UC                                | Forest Heath                | 11.1                          | Q01  | G   | 308                          | 406.35    | 474.81                          | 423.26                     | 530.91  | 273    | 371.42                          | 420.32                     | 371.93                          | 473.25  | 1.1 |
| 23UD                                | Forest of Dean              | 15.9                          | Q20  | K   | 324                          | 498.90    | 406.81                          | 363.72                     | 453.61  | 297    | 454.73                          | 373.50                     | 332.22                          | 418.48  | 1.1 |
| 30UF                                | Fylde                       | 13.1                          | Q13  | B   | 399                          | 471.37    | 530.25                          | 479.49                     | 584.92  | 365    | 428.46                          | 487.16                     | 438.45                          | 539.79  | 1.1 |
| 00CH                                | Gateshead                   | 33.2                          | Q09  | A   | 1388                         | 1162.94   | 747.65                          | 708.83                     | 788.05  | 1274   | 1060.71                         | 686.84                     | 649.64                          | 725.62  | 1.1 |
| 37UE                                | Gedling                     | 16.4                          | Q24  | E   | 402                          | 680.07    | 370.29                          | 334.97                     | 408.32  | 380    | 619.80                          | 350.60                     | 316.23                          | 387.69  | 1.1 |
| 23UE                                | Gloucester                  | 19.9                          | Q20  | K   | 655                          | 732.56    | 560.10                          | 518.02                     | 604.69  | 612    | 669.53                          | 522.71                     | 482.11                          | 565.82  | 1.1 |
| 24UF                                | Gosport                     | 16.3                          | Q17  | J   | 487                          | 501.64    | 608.14                          | 555.32                     | 664.64  | 454    | 458.09                          | 566.74                     | 515.80                          | 621.36  | 1.1 |
| 29UG                                | Gravesham                   | 18.1                          | Q18  | J   | 667                          | 599.25    | 697.25                          | 645.33                     | 752.23  | 600    | 547.28                          | 626.93                     | 577.76                          | 679.17  | 1.1 |
| 33UD                                | Great Yarmouth              | 27.7                          | Q01  | G   | 440                          | 597.23    | 461.51                          | 419.38                     | 506.71  | 401    | 544.19                          | 421.38                     | 381.14                          | 464.72  | 1.1 |
| 00AL                                | Greenwich                   | 31.5                          | Q07  | H   | 1126                         | 1405.59   | 501.82                          | 472.93                     | 532.01  | 1055   | 1287.31                         | 468.65                     | 440.80                          | 497.81  | 1.1 |
| 43UD                                | Guildford                   | 8.3                           | Q19  | J   | 731                          | 865.94    | 528.81                          | 491.16                     | 568.57  | 678    | 790.60                          | 490.41                     | 454.18                          | 528.75  | 1.1 |
| 00AM                                | Hackney                     | 45.1                          | Q06  | H   | 1388                         | 1345.22   | 646.34                          | 612.78                     | 681.26  | 1252   | 1232.29                         | 581.00                     | 549.26                          | 614.10  | 1.1 |
| 00ET                                | Halton UA                   | 34.3                          | Q15  | B   | 1340                         | 705.13    | 1190.42                         | 1127.53                    | 1255.91 | 1216   | 644.78                          | 1078.46                    | 1018.69                         | 1140.82 | 1.1 |
| 36UC                                | Hambleton                   | 10.4                          | Q11  | D   | 542                          | 531.74    | 638.51                          | 585.88                     | 694.60  | 526    | 484.29                          | 621.11                     | 569.15                          | 676.53  | 1.0 |
| 00AN                                | Hammersmith and Fulham      | 27.8                          | Q04  | H   | 1345                         | 1070.55   | 787.01                          | 745.51                     | 830.23  | 1218   | 976.28                          | 713.44                     | 673.93                          | 754.66  | 1.1 |
| 31UD                                | Harborough                  | 7.2                           | Q25  | E   | 330                          | 498.69    | 414.52                          | 371.00                     | 461.75  | 302    | 454.70                          | 379.81                     | 338.17                          | 425.15  | 1.1 |
| 00AP                                | Haringey                    | 37.7                          | Q05  | H   | 1343                         | 1407.31   | 597.80                          | 566.25                     | 630.64  | 1214   | 1286.10                         | 539.79                     | 509.85                          | 571.03  | 1.1 |
| 22UJ                                | Harlow                      | 21.4                          | Q03  | G   | 437                          | 501.30    | 546.07                          | 496.06                     | 599.75  | 400    | 458.38                          | 499.02                     | 451.30                          | 550.40  | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                                |                               |      |     | Head injuriesall ages, Males |           |                                 |                            |         |        |         |                                 |                            |         |                                 |
|-------------------------------------|--------------------------------|-------------------------------|------|-----|------------------------------|-----------|---------------------------------|----------------------------|---------|--------|---------|---------------------------------|----------------------------|---------|---------------------------------|
|                                     |                                |                               |      |     | CIPS                         |           |                                 |                            | People  |        |         |                                 |                            |         |                                 |
| Label                               | Local authority                | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |         | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |         | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND                    |                               |      |     | 321251                       | 321251.00 | 626.42                          | 624.26                     | 628.59  | 293266 | #####   | 571.85                          | 569.78                     | 573.92  | 1.1                             |
| 36UD                                | Harrogate                      | 11.1                          | Q11  | D   | 756                          | 963.17    | 491.68                          | 457.25                     | 528.02  | 704    | 878.10  | 458.47                          | 425.22                     | 493.62  | 1.1                             |
| 00AQ                                | Harrow                         | 13.5                          | Q04  | H   | 1026                         | 1425.98   | 450.71                          | 423.55                     | 479.16  | 946    | 1302.81 | 415.23                          | 389.19                     | 442.56  | 1.1                             |
| 24UG                                | Hart                           | 4.2                           | Q17  | J   | 430                          | 547.84    | 491.68                          | 446.29                     | 540.42  | 390    | 500.23  | 445.84                          | 402.68                     | 492.36  | 1.1                             |
| 00EB                                | Hartlepool UA                  | 37.7                          | Q10  | A   | 811                          | 545.23    | 931.77                          | 868.73                     | 998.16  | 745    | 498.10  | 855.31                          | 794.98                     | 919.00  | 1.1                             |
| 21UD                                | Hastings                       | 31.7                          | Q19  | J   | 722                          | 527.21    | 857.87                          | 796.43                     | 922.80  | 655    | 481.39  | 778.08                          | 719.63                     | 840.02  | 1.1                             |
| 24UH                                | Havant                         | 20.1                          | Q17  | J   | 771                          | 718.22    | 672.46                          | 625.82                     | 721.65  | 707    | 654.94  | 617.30                          | 572.63                     | 664.54  | 1.1                             |
| 00AR                                | Havering                       | 14.8                          | Q06  | H   | 1332                         | 1422.26   | 586.67                          | 555.58                     | 619.04  | 1203   | 1298.15 | 529.94                          | 500.41                     | 560.75  | 1.1                             |
| 00GA                                | Herefordshire, County of UA    | 15.7                          | Q28  | F   | 863                          | 1080.85   | 500.16                          | 467.34                     | 534.68  | 797    | 984.41  | 462.98                          | 431.39                     | 496.28  | 1.1                             |
| 26UE                                | Hertsmere                      | 12.0                          | Q02  | G   | 463                          | 608.79    | 476.41                          | 434.00                     | 521.85  | 436    | 556.30  | 448.19                          | 407.10                     | 492.30  | 1.1                             |
| 17UH                                | High Peak                      | 15.1                          | Q24  | E   | 487                          | 562.62    | 542.22                          | 495.13                     | 592.59  | 453    | 512.87  | 505.09                          | 459.64                     | 553.82  | 1.1                             |
| 00AS                                | Hillingdon                     | 17.7                          | Q04  | H   | 1543                         | 1636.30   | 590.70                          | 561.59                     | 620.93  | 1393   | 1496.94 | 532.15                          | 504.56                     | 560.84  | 1.1                             |
| 31UE                                | Hinckley and Bosworth          | 11.1                          | Q25  | E   | 483                          | 624.27    | 484.66                          | 442.40                     | 529.88  | 452    | 568.84  | 454.39                          | 413.46                     | 498.28  | 1.1                             |
| 45UF                                | Horsham                        | 6.7                           | Q19  | J   | 614                          | 774.98    | 496.30                          | 457.82                     | 537.16  | 547    | 706.80  | 442.56                          | 406.25                     | 481.26  | 1.1                             |
| 00AT                                | Hounslow                       | 23.3                          | Q04  | H   | 1585                         | 1493.60   | 664.75                          | 632.42                     | 698.30  | 1440   | 1364.85 | 603.34                          | 572.57                     | 635.33  | 1.1                             |
| 12UE                                | Huntingdonshire                | 10.2                          | Q01  | G   | 670                          | 999.62    | 419.86                          | 388.67                     | 452.89  | 612    | 912.20  | 383.66                          | 353.86                     | 415.30  | 1.1                             |
| 30UG                                | Hyndburn                       | 28.5                          | Q13  | B   | 635                          | 496.25    | 801.56                          | 740.42                     | 866.41  | 573    | 453.99  | 721.76                          | 663.86                     | 783.35  | 1.1                             |
| 42UD                                | Ipswich                        | 23.4                          | Q01  | G   | 571                          | 806.70    | 443.40                          | 407.77                     | 481.30  | 526    | 736.93  | 408.17                          | 374.03                     | 444.59  | 1.1                             |
| 00MW                                | Isle of Wight UA               | 21.1                          | Q17  | J   | 687                          | 856.46    | 502.48                          | 465.60                     | 541.50  | 624    | 779.60  | 457.72                          | 422.50                     | 495.09  | 1.1                             |
| 00AU                                | Islington                      | 42.7                          | Q05  | H   | 1475                         | 1217.72   | 758.77                          | 720.54                     | 798.50  | 1330   | 1110.80 | 684.70                          | 648.39                     | 722.51  | 1.1                             |
| 46UB                                | Kennet                         | 10.1                          | Q20  | K   | 427                          | 502.43    | 532.38                          | 483.07                     | 585.35  | 398    | 459.23  | 495.61                          | 448.10                     | 546.77  | 1.1                             |
| 00AW                                | Kensington and Chelsea         | 21.5                          | Q04  | H   | 913                          | 1044.53   | 547.54                          | 512.59                     | 584.24  | 799    | 951.34  | 480.28                          | 447.55                     | 514.77  | 1.1                             |
| 15UD                                | Kerrier                        | 25.2                          | Q21  | K   | 726                          | 618.51    | 735.29                          | 682.76                     | 790.78  | 635    | 564.02  | 643.82                          | 594.71                     | 695.90  | 1.1                             |
| 34UE                                | Kettering                      | 15.3                          | Q25  | E   | 497                          | 544.01    | 572.29                          | 523.07                     | 624.89  | 459    | 496.76  | 528.38                          | 481.14                     | 579.00  | 1.1                             |
| 33UE                                | Kings Lynn and West Norfolk    | 19.1                          | Q01  | G   | 887                          | 884.41    | 628.25                          | 587.58                     | 671.00  | 806    | 805.73  | 572.05                          | 533.23                     | 612.94  | 1.1                             |
| 00FA                                | Kingston upon Hull, City of UA | 41.1                          | Q11  | D   | 1960                         | 1698.50   | 722.87                          | 691.21                     | 755.59  | 1831   | 1551.31 | 674.95                          | 644.39                     | 706.59  | 1.1                             |
| 00AX                                | Kingston upon Thames           | 11.6                          | Q08  | H   | 498                          | 1054.84   | 295.74                          | 270.33                     | 322.89  | 461    | 962.68  | 273.84                          | 249.41                     | 300.02  | 1.1                             |
| 00CZ                                | Kirklees                       | 26.2                          | Q12  | D   | 3088                         | 2509.74   | 770.75                          | 743.81                     | 798.43  | 2773   | 2295.03 | 690.95                          | 665.47                     | 717.15  | 1.1                             |
| 00BX                                | Knowsley                       | 46.6                          | Q15  | B   | 1760                         | 884.24    | 1246.83                         | 1189.25                    | 1306.47 | 1576   | 808.70  | 1114.43                         | 1060.08                    | 1170.85 | 1.1                             |
| 00AY                                | Lambeth                        | 34.2                          | Q07  | H   | 1865                         | 1814.51   | 643.85                          | 614.96                     | 673.75  | 1698   | 1655.03 | 586.70                          | 559.12                     | 615.28  | 1.1                             |
| 30UH                                | Lancaster                      | 22.3                          | Q13  | B   | 942                          | 881.04    | 669.76                          | 627.67                     | 713.94  | 845    | 804.10  | 600.94                          | 561.10                     | 642.86  | 1.1                             |
| 00DA                                | Leeds                          | 27.7                          | Q12  | D   | 6504                         | 5096.33   | 799.45                          | 780.13                     | 819.12  | 5963   | 4654.25 | 732.65                          | 714.17                     | 751.49  | 1.1                             |
| 00FN                                | Leicester UA                   | 32.8                          | Q25  | E   | 2225                         | 1953.66   | 713.42                          | 684.08                     | 743.70  | 1991   | 1788.96 | 636.44                          | 608.78                     | 665.02  | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                       |                               |      |     | Head injuriesall ages, Males |           |                                 |                            |         |        |                                 |                            |                                 |         |     |
|-------------------------------------|-----------------------|-------------------------------|------|-----|------------------------------|-----------|---------------------------------|----------------------------|---------|--------|---------------------------------|----------------------------|---------------------------------|---------|-----|
|                                     |                       |                               |      |     | CIPS                         |           |                                 |                            | People  |        |                                 |                            |                                 |         |     |
| Label                               | Local authority       | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Obs.    | Exp.   | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Ratio of<br>spells to<br>people |         |     |
| N/A                                 | ALL ENGLAND           |                               |      |     | 321251                       | 321251.00 | 626.42                          | 624.26                     | 628.59  | 293266 | #####                           | 571.85                     | 569.78                          | 573.92  | 1.1 |
| 21UF                                | Lewes                 | 12.9                          | Q19  | J   | 504                          | 596.35    | 529.41                          | 484.19                     | 577.72  | 469    | 543.33                          | 493.62                     | 449.95                          | 540.38  | 1.1 |
| 00AZ                                | Lewisham              | 28.6                          | Q07  | H   | 1534                         | 1631.11   | 589.13                          | 560.01                     | 619.36  | 1399   | 1490.85                         | 536.62                     | 508.87                          | 565.50  | 1.1 |
| 41UD                                | Lichfield             | 12.0                          | Q26  | F   | 491                          | 582.64    | 527.89                          | 482.22                     | 576.72  | 459    | 531.01                          | 494.31                     | 450.11                          | 541.66  | 1.1 |
| 32UD                                | Lincoln               | 27.2                          | Q24  | E   | 1070                         | 578.22    | 1159.20                         | 1090.77                    | 1230.80 | 978    | 528.28                          | 1058.66                    | 993.34                          | 1127.15 | 1.1 |
| 00BY                                | Liverpool             | 49.8                          | Q15  | B   | 5722                         | 2814.79   | 1273.41                         | 1240.62                    | 1306.84 | 5075   | 2570.90                         | 1128.84                    | 1098.00                         | 1160.34 | 1.1 |
| 00KA                                | Luton UA              | 23.3                          | Q02  | G   | 1081                         | 1293.86   | 523.37                          | 492.63                     | 555.52  | 1015   | 1185.11                         | 489.77                     | 460.10                          | 520.85  | 1.1 |
| 13UG                                | Macclesfield          | 11.1                          | Q15  | B   | 1149                         | 911.19    | 789.91                          | 744.89                     | 836.94  | 1059   | 830.01                          | 729.62                     | 686.33                          | 774.92  | 1.1 |
| 29UH                                | Maidstone             | 11.5                          | Q18  | J   | 842                          | 904.65    | 583.04                          | 544.32                     | 623.79  | 776    | 825.39                          | 537.63                     | 500.47                          | 576.83  | 1.1 |
| 22UK                                | Maldon                | 10.7                          | Q03  | G   | 284                          | 371.40    | 479.01                          | 424.91                     | 538.08  | 262    | 338.58                          | 442.51                     | 390.54                          | 499.46  | 1.1 |
| 47UC                                | Malvern Hills         | 13.1                          | Q28  | F   | 359                          | 460.90    | 487.92                          | 438.75                     | 541.10  | 329    | 419.73                          | 448.24                     | 401.10                          | 499.39  | 1.1 |
| 00BN                                | Manchester            | 48.9                          | Q14  | B   | 4594                         | 3376.99   | 852.17                          | 827.71                     | 877.18  | 4228   | 3089.20                         | 782.66                     | 759.24                          | 806.61  | 1.1 |
| 37UF                                | Mansfield             | 32.5                          | Q24  | E   | 558                          | 604.87    | 577.88                          | 530.92                     | 627.88  | 510    | 551.94                          | 528.39                     | 483.52                          | 576.31  | 1.1 |
| 00LC                                | Medway UA             | 18.0                          | Q18  | J   | 1546                         | 1546.16   | 626.36                          | 595.52                     | 658.38  | 1401   | 1413.45                         | 566.81                     | 537.52                          | 597.29  | 1.1 |
| 31UG                                | Melton                | 10.1                          | Q25  | E   | 200                          | 288.16    | 434.77                          | 376.59                     | 499.38  | 183    | 262.56                          | 398.58                     | 342.92                          | 460.70  | 1.1 |
| 40UB                                | Mendip                | 14.5                          | Q22  | K   | 572                          | 659.94    | 542.95                          | 499.36                     | 589.32  | 526    | 602.31                          | 499.40                     | 457.63                          | 543.96  | 1.1 |
| 00BA                                | Merton                | 14.5                          | Q08  | H   | 1025                         | 1287.59   | 498.67                          | 468.60                     | 530.16  | 954    | 1175.20                         | 464.21                     | 435.22                          | 494.63  | 1.1 |
| 09UC                                | Mid Bedfordshire      | 7.7                           | Q02  | G   | 494                          | 808.00    | 382.98                          | 349.95                     | 418.30  | 463    | 737.18                          | 359.16                     | 327.19                          | 393.42  | 1.1 |
| 18UD                                | Mid Devon             | 17.1                          | Q21  | K   | 402                          | 456.89    | 551.16                          | 498.59                     | 607.76  | 365    | 416.71                          | 500.89                     | 450.82                          | 555.01  | 1.1 |
| 42UE                                | Mid Suffolk           | 9.8                           | Q01  | G   | 318                          | 571.86    | 348.34                          | 311.10                     | 388.81  | 291    | 521.07                          | 319.36                     | 283.72                          | 358.25  | 1.1 |
| 45UG                                | Mid Sussex            | 6.4                           | Q19  | J   | 630                          | 790.23    | 499.40                          | 461.16                     | 539.97  | 593    | 721.54                          | 469.98                     | 432.90                          | 509.37  | 1.1 |
| 00EC                                | Middlesbrough UA      | 40.7                          | Q10  | A   | 1178                         | 894.05    | 825.37                          | 778.90                     | 873.89  | 1110   | 817.43                          | 776.53                     | 731.51                          | 823.59  | 1.1 |
| 00MG                                | Milton Keynes UA      | 15.6                          | Q16  | J   | 1360                         | 1454.00   | 585.92                          | 555.19                     | 617.91  | 1216   | 1330.12                         | 522.79                     | 493.81                          | 553.02  | 1.1 |
| 43UE                                | Mole Valley           | 6.2                           | Q19  | J   | 476                          | 505.43    | 589.95                          | 538.13                     | 645.40  | 431    | 460.56                          | 535.14                     | 485.81                          | 588.13  | 1.1 |
| 24UJ                                | New Forest            | 10.4                          | Q17  | J   | 993                          | 1097.94   | 566.55                          | 531.85                     | 602.92  | 897    | 999.29                          | 513.32                     | 480.27                          | 548.04  | 1.1 |
| 37UG                                | Newark and Sherwood   | 19.8                          | Q24  | E   | 507                          | 674.74    | 470.70                          | 430.61                     | 513.51  | 467    | 615.21                          | 434.08                     | 395.60                          | 475.30  | 1.1 |
| 00CJ                                | Newcastle upon Tyne   | 34.5                          | Q09  | A   | 2009                         | 1919.55   | 655.61                          | 627.25                     | 684.92  | 1891   | 1753.10                         | 616.83                     | 589.34                          | 645.28  | 1.1 |
| 41UE                                | Newcastle-under-Lyme  | 19.9                          | Q26  | F   | 693                          | 763.15    | 568.84                          | 527.27                     | 612.81  | 617    | 695.72                          | 507.15                     | 467.92                          | 548.79  | 1.1 |
| 00BB                                | Newham                | 40.4                          | Q06  | H   | 1878                         | 1605.56   | 732.71                          | 699.94                     | 766.62  | 1690   | 1474.52                         | 655.42                     | 624.54                          | 687.43  | 1.1 |
| 15UE                                | North Cornwall        | 22.8                          | Q21  | K   | 556                          | 529.40    | 657.90                          | 604.34                     | 714.93  | 484    | 482.24                          | 573.94                     | 523.94                          | 627.43  | 1.1 |
| 18UE                                | North Devon           | 20.6                          | Q21  | K   | 610                          | 555.64    | 687.70                          | 634.20                     | 744.51  | 548    | 506.37                          | 618.87                     | 568.13                          | 672.92  | 1.1 |
| 19UE                                | North Dorset          | 11.4                          | Q22  | K   | 366                          | 407.26    | 562.96                          | 506.75                     | 623.69  | 329    | 371.97                          | 505.80                     | 452.61                          | 563.51  | 1.1 |
| 17UJ                                | North East Derbyshire | 18.9                          | Q24  | E   | 474                          | 588.58    | 504.48                          | 460.08                     | 552.00  | 419    | 535.95                          | 447.07                     | 405.28                          | 491.99  | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                            |                         |      |     | Head injuriesall ages, Males |           |                           |                         |        |         |                           |                         |                           |
|-------------------------------------|----------------------------|-------------------------|------|-----|------------------------------|-----------|---------------------------|-------------------------|--------|---------|---------------------------|-------------------------|---------------------------|
|                                     |                            |                         |      |     | CIPS                         |           |                           |                         | People |         |                           |                         | Ratio of spells to people |
| Label                               | Local authority            | IMD 2004: Average Score | StHA | GOR | Obs.                         | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |                           |
| N/A                                 | ALL ENGLAND                |                         |      |     | 321251                       | 321251.00 | 626.42                    | 624.26 628.59           | 293266 | #####   | 571.85                    | 569.78 573.92           | 1.1                       |
| 00FC                                | North East Lincolnshire UA | 29.4 Q11                | D    |     | 1118                         | 968.39    | 723.20                    | 681.42 766.87           | 1032   | 884.39  | 667.30                    | 627.20 709.28           | 1.1                       |
| 26UF                                | North Hertfordshire        | 10.1 Q02                | G    |     | 579                          | 754.13    | 480.95                    | 442.57 521.77           | 522    | 688.11  | 433.81                    | 397.39 472.67           | 1.1                       |
| 32UE                                | North Kesteven             | 11.5 Q24                | E    |     | 642                          | 642.24    | 626.18                    | 578.67 676.55           | 589    | 585.34  | 575.43                    | 529.89 623.84           | 1.1                       |
| 00FD                                | North Lincolnshire UA      | 21.2 Q11                | D    |     | 797                          | 972.22    | 513.52                    | 478.48 550.45           | 730    | 886.75  | 470.76                    | 437.23 506.19           | 1.1                       |
| 33UF                                | North Norfolk              | 16.9 Q01                | G    |     | 373                          | 624.07    | 374.40                    | 337.37 414.40           | 339    | 567.14  | 341.81                    | 306.39 380.21           | 1.1                       |
| 39UC                                | North Shropshire           | 16.6 Q26                | F    |     | 296                          | 380.44    | 487.38                    | 433.43 546.19           | 280    | 347.01  | 461.43                    | 408.96 518.77           | 1.1                       |
| 00HC                                | North Somerset UA          | 14.1 Q20                | K    |     | 1008                         | 1298.31   | 486.35                    | 456.78 517.32           | 930    | 1183.30 | 449.44                    | 421.01 479.28           | 1.1                       |
| 00CK                                | North Tyneside             | 26.0 Q09                | A    |     | 1759                         | 1187.92   | 927.56                    | 884.72 971.95           | 1606   | 1083.25 | 847.82                    | 806.85 890.32           | 1.1                       |
| 44UB                                | North Warwickshire         | 16.4 Q28                | F    |     | 329                          | 365.88    | 563.28                    | 504.05 627.56           | 312    | 333.34  | 535.24                    | 477.48 598.05           | 1.1                       |
| 31UH                                | North West Leicestershire  | 15.9 Q25                | E    |     | 427                          | 544.36    | 491.37                    | 445.86 540.26           | 398    | 496.48  | 458.42                    | 414.48 505.74           | 1.1                       |
| 46UC                                | North Wiltshire            | 8.4 Q20                 | K    |     | 592                          | 800.63    | 463.19                    | 426.62 502.05           | 532    | 730.78  | 416.30                    | 381.67 453.23           | 1.1                       |
| 34UF                                | Northampton                | 20.2 Q25                | E    |     | 1179                         | 1313.24   | 562.39                    | 530.74 595.43           | 1085   | 1200.01 | 517.04                    | 486.73 548.75           | 1.1                       |
| 33UG                                | Norwich                    | 28.3 Q01                | G    |     | 818                          | 951.11    | 538.75                    | 502.46 576.97           | 726    | 867.56  | 478.54                    | 444.36 514.66           | 1.1                       |
| 00FY                                | Nottingham UA              | 41.8 Q24                | E    |     | 1630                         | 2039.36   | 500.68                    | 476.66 525.59           | 1519   | 1864.26 | 465.95                    | 442.80 489.98           | 1.1                       |
| 44UC                                | Nuneaton and Bedworth      | 21.2 Q28                | F    |     | 751                          | 735.28    | 639.81                    | 594.87 687.26           | 707    | 671.26  | 602.30                    | 558.71 648.38           | 1.1                       |
| 31UJ                                | Oadby and Wigston          | 9.7 Q25                 | E    |     | 283                          | 379.73    | 466.85                    | 414.03 524.53           | 258    | 346.66  | 425.60                    | 375.25 480.83           | 1.1                       |
| 00BP                                | Oldham                     | 30.7 Q14                | B    |     | 2220                         | 1333.25   | 1043.06                   | 1000.11 1087.37         | 1984   | 1220.53 | 929.56                    | 889.10 971.38           | 1.1                       |
| 39UD                                | Oswestry                   | 17.1 Q26                | F    |     | 134                          | 242.84    | 345.66                    | 289.61 409.39           | 123    | 221.32  | 317.81                    | 264.13 379.20           | 1.1                       |
| 38UC                                | Oxford                     | 19.7 Q16                | J    |     | 1110                         | 1035.51   | 671.48                    | 632.55 712.18           | 1025   | 946.91  | 619.01                    | 581.69 658.10           | 1.1                       |
| 30UJ                                | Pendle                     | 27.6 Q13                | B    |     | 631                          | 548.54    | 720.59                    | 665.45 779.07           | 592    | 501.32  | 675.29                    | 621.98 731.95           | 1.1                       |
| 15UF                                | Penwith                    | 29.0 Q21                | K    |     | 422                          | 398.98    | 662.56                    | 600.84 728.90           | 365    | 363.35  | 574.45                    | 517.02 636.52           | 1.2                       |
| 00JA                                | Peterborough UA            | 23.4 Q01                | G    |     | 1203                         | 1070.96   | 703.65                    | 664.45 744.57           | 1115   | 979.56  | 650.92                    | 613.27 690.28           | 1.1                       |
| 00HG                                | Plymouth UA                | 26.2 Q21                | K    |     | 1869                         | 1661.08   | 704.83                    | 673.23 737.53           | 1741   | 1517.00 | 656.29                    | 625.82 687.86           | 1.1                       |
| 00HP                                | Poole UA                   | 14.3 Q22                | K    |     | 1288                         | 878.21    | 918.72                    | 869.23 970.30           | 1172   | 800.58  | 837.15                    | 789.91 886.49           | 1.1                       |
| 00MR                                | Portsmouth UA              | 24.9 Q17                | J    |     | 1603                         | 1355.79   | 740.64                    | 704.82 777.80           | 1450   | 1238.36 | 669.58                    | 635.56 704.96           | 1.1                       |
| 30UK                                | Preston                    | 28.5 Q13                | B    |     | 1221                         | 876.76    | 872.37                    | 824.12 922.71           | 1107   | 801.47  | 789.85                    | 744.00 837.78           | 1.1                       |
| 19UG                                | Purbeck                    | 12.6 Q22                | K    |     | 346                          | 278.40    | 778.51                    | 698.63 865.03           | 321    | 253.35  | 724.56                    | 647.45 808.32           | 1.1                       |
| 00MC                                | Reading UA                 | 18.8 Q16                | J    |     | 700                          | 1011.69   | 433.43                    | 401.91 466.76           | 646    | 924.11  | 399.75                    | 369.52 431.81           | 1.1                       |
| 00BC                                | Redbridge                  | 17.8 Q06                | H    |     | 1718                         | 1661.88   | 647.57                    | 617.31 678.94           | 1588   | 1520.56 | 597.21                    | 568.20 627.33           | 1.1                       |
| 00EE                                | Redcar and Cleveland UA    | 30.6 Q10                | A    |     | 860                          | 828.14    | 650.52                    | 607.76 695.49           | 830    | 755.69  | 628.09                    | 586.08 672.31           | 1.0                       |
| 47UD                                | Redditch                   | 19.4 Q28                | F    |     | 462                          | 471.82    | 613.38                    | 558.71 671.95           | 439    | 431.13  | 582.29                    | 529.09 639.40           | 1.1                       |
| 43UF                                | Reigate and Banstead       | 9.0 Q19                 | J    |     | 756                          | 836.10    | 566.41                    | 526.74 608.26           | 682    | 763.00  | 511.15                    | 473.50 550.99           | 1.1                       |

| HES data 2009-2011: CIPS file v1Eng |                       |                               |      |     | Head injuriesall ages, Males |           |                                 |                            |         |        |         |                                 |                            |        |                                 |
|-------------------------------------|-----------------------|-------------------------------|------|-----|------------------------------|-----------|---------------------------------|----------------------------|---------|--------|---------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                       |                               |      |     | CIPS                         |           |                                 |                            | People  |        |         |                                 |                            |        |                                 |
| Label                               | Local authority       | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |         | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND           |                               |      |     | 321251                       | 321251.00 | 626.42                          | 624.26                     | 628.59  | 293266 | #####   | 571.85                          | 569.78                     | 573.92 | 1.1                             |
| 15UG                                | Restormel             | 23.9 Q21                      | K    |     | 775                          | 628.81    | 772.05                          | 718.65                     | 828.38  | 679    | 573.28  | 677.31                          | 627.31                     | 730.23 | 1.1                             |
| 30UL                                | Ribble Valley         | 10.3 Q13                      | B    |     | 286                          | 337.76    | 530.43                          | 470.72                     | 595.60  | 261    | 307.90  | 484.74                          | 427.71                     | 547.26 | 1.1                             |
| 00BD                                | Richmond upon Thames  | 9.7 Q08                       | H    |     | 858                          | 1126.70   | 477.03                          | 445.64                     | 510.05  | 787    | 1028.26 | 437.68                          | 407.63                     | 469.36 | 1.1                             |
| 36UE                                | Richmondshire         | 12.5 Q11                      | D    |     | 386                          | 359.02    | 673.49                          | 607.97                     | 744.15  | 367    | 328.07  | 639.71                          | 575.92                     | 708.62 | 1.1                             |
| 00BQ                                | Rochdale              | 33.7 Q14                      | B    |     | 2082                         | 1260.76   | 1034.46                         | 990.49                     | 1079.87 | 1880   | 1153.39 | 932.10                          | 890.44                     | 975.21 | 1.1                             |
| 22UL                                | Rochford              | 8.7 Q03                       | G    |     | 307                          | 508.03    | 378.54                          | 337.37                     | 423.34  | 289    | 463.23  | 356.77                          | 316.81                     | 400.36 | 1.1                             |
| 30UM                                | Rossendale            | 24.1 Q13                      | B    |     | 498                          | 399.57    | 780.73                          | 713.65                     | 852.41  | 452    | 365.02  | 708.12                          | 644.33                     | 776.51 | 1.1                             |
| 21UG                                | Rother                | 16.2 Q19                      | J    |     | 471                          | 550.95    | 535.52                          | 488.24                     | 586.14  | 428    | 501.13  | 488.41                          | 443.22                     | 536.94 | 1.1                             |
| 00CF                                | Rotherham             | 28.2 Q23                      | D    |     | 1596                         | 1527.16   | 654.66                          | 622.93                     | 687.58  | 1446   | 1394.37 | 593.02                          | 562.85                     | 624.40 | 1.1                             |
| 44UD                                | Rugby                 | 13.6 Q28                      | F    |     | 471                          | 572.78    | 515.11                          | 469.63                     | 563.80  | 448    | 522.92  | 489.92                          | 445.60                     | 537.46 | 1.1                             |
| 43UG                                | Runnymede             | 7.8 Q19                       | J    |     | 306                          | 521.49    | 367.57                          | 327.53                     | 411.15  | 276    | 475.37  | 332.01                          | 293.99                     | 373.59 | 1.1                             |
| 37UJ                                | Rushcliffe            | 9.0 Q24                       | E    |     | 341                          | 686.20    | 311.29                          | 279.12                     | 346.15  | 315    | 625.53  | 287.97                          | 257.04                     | 321.59 | 1.1                             |
| 24UL                                | Rushmoor              | 10.4 Q17                      | J    |     | 527                          | 578.11    | 571.04                          | 523.32                     | 621.95  | 494    | 528.50  | 534.52                          | 488.42                     | 583.80 | 1.1                             |
| 00FP                                | Rutland UA            | 6.6 Q25                       | E    |     | 157                          | 251.41    | 391.19                          | 332.39                     | 457.39  | 142    | 229.66  | 353.58                          | 297.81                     | 416.75 | 1.1                             |
| 36UF                                | Ryedale               | 12.9 Q11                      | D    |     | 219                          | 321.54    | 426.65                          | 372.01                     | 487.06  | 194    | 292.78  | 378.92                          | 327.47                     | 436.16 | 1.1                             |
| 00BR                                | Salford               | 38.2 Q14                      | B    |     | 2424                         | 1470.99   | 1032.26                         | 991.57                     | 1074.19 | 2175   | 1343.80 | 925.57                          | 887.07                     | 965.30 | 1.1                             |
| 46UD                                | Salisbury             | 11.8 Q20                      | K    |     | 815                          | 721.40    | 707.70                          | 659.94                     | 758.00  | 752    | 657.81  | 653.73                          | 607.84                     | 702.18 | 1.1                             |
| 00CS                                | Sandwell              | 35.4 Q27                      | F    |     | 2182                         | 1794.24   | 761.80                          | 730.16                     | 794.45  | 1988   | 1641.34 | 692.63                          | 662.51                     | 723.76 | 1.1                             |
| 36UG                                | Scarborough           | 24.1 Q11                      | D    |     | 646                          | 659.28    | 613.80                          | 567.37                     | 663.02  | 595    | 600.51  | 566.60                          | 521.98                     | 614.02 | 1.1                             |
| 20UG                                | Sedgefield            | 29.1 Q10                      | A    |     | 632                          | 517.71    | 764.71                          | 706.25                     | 826.73  | 572    | 472.28  | 692.59                          | 636.99                     | 751.75 | 1.1                             |
| 40UC                                | Sedgemoor             | 17.4 Q22                      | K    |     | 521                          | 680.01    | 479.95                          | 439.61                     | 522.98  | 473    | 619.83  | 436.38                          | 397.94                     | 477.54 | 1.1                             |
| 00CA                                | Sefton                | 26.1 Q15                      | B    |     | 2340                         | 1633.12   | 897.56                          | 861.56                     | 934.68  | 2125   | 1489.23 | 815.98                          | 781.65                     | 851.43 | 1.1                             |
| 36UH                                | Selby                 | 13.1 Q11                      | D    |     | 415                          | 487.31    | 533.46                          | 483.37                     | 587.35  | 391    | 444.44  | 503.09                          | 454.45                     | 555.51 | 1.1                             |
| 29UK                                | Sevenoaks             | 9.6 Q18                       | J    |     | 596                          | 672.65    | 555.04                          | 511.37                     | 601.44  | 551    | 613.78  | 513.36                          | 471.38                     | 558.07 | 1.1                             |
| 00CG                                | Sheffield             | 28.4 Q23                      | D    |     | 2805                         | 3561.68   | 493.34                          | 475.25                     | 511.94  | 2577   | 3251.57 | 453.22                          | 435.88                     | 471.06 | 1.1                             |
| 29UL                                | Shepway               | 20.8 Q18                      | J    |     | 464                          | 610.26    | 476.29                          | 433.93                     | 521.66  | 415    | 556.43  | 426.50                          | 386.45                     | 469.58 | 1.1                             |
| 39UE                                | Shrewsbury and Atcham | 15.7 Q26                      | F    |     | 574                          | 586.80    | 612.75                          | 563.64                     | 665.00  | 531    | 535.42  | 567.13                          | 519.91                     | 617.49 | 1.1                             |
| 00MD                                | Slough UA             | 20.9 Q16                      | J    |     | 831                          | 833.49    | 624.55                          | 582.80                     | 668.50  | 772    | 762.83  | 578.73                          | 538.62                     | 621.03 | 1.1                             |
| 00CT                                | Solihull              | 16.4 Q27                      | F    |     | 1134                         | 1243.10   | 571.44                          | 538.66                     | 605.70  | 1047   | 1134.52 | 527.74                          | 496.25                     | 560.70 | 1.1                             |
| 09UE                                | South Bedfordshire    | 12.3 Q02                      | G    |     | 531                          | 712.09    | 467.11                          | 428.22                     | 508.59  | 489    | 650.31  | 430.00                          | 392.73                     | 469.86 | 1.1                             |
| 11UE                                | South Bucks           | 8.1 Q16                       | J    |     | 318                          | 403.05    | 494.24                          | 441.40                     | 551.66  | 293    | 367.65  | 455.73                          | 405.04                     | 511.02 | 1.1                             |
| 12UG                                | South Cambridgeshire  | 6.4 Q01                       | G    |     | 609                          | 878.91    | 434.05                          | 400.25                     | 469.93  | 569    | 802.21  | 405.61                          | 372.96                     | 440.35 | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                          |                               |      |     | Head injuriesall ages, Males |           |                                 |                            |         |        |         |                                 |                            |         |                                 |
|-------------------------------------|--------------------------|-------------------------------|------|-----|------------------------------|-----------|---------------------------------|----------------------------|---------|--------|---------|---------------------------------|----------------------------|---------|---------------------------------|
|                                     |                          |                               |      |     | CIPS                         |           |                                 |                            |         | People |         |                                 |                            |         |                                 |
| Label                               | Local authority          | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |         | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |         | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND              |                               |      |     | 321251                       | 321251.00 | 626.42                          | 624.26                     | 628.59  | 293266 | #####   | 571.85                          | 569.78                     | 573.92  | 1.1                             |
| 17UK                                | South Derbyshire         | 14.8 Q24                      | E    |     | 480                          | 561.50    | 535.50                          | 488.65                     | 585.62  | 431    | 512.90  | 480.54                          | 436.24                     | 528.12  | 1.1                             |
| 00HD                                | South Gloucestershire UA | 9.8 Q20                       | K    |     | 1273                         | 1635.76   | 487.50                          | 461.09                     | 515.04  | 1184   | 1492.78 | 453.57                          | 428.09                     | 480.16  | 1.1                             |
| 18UG                                | South Hams               | 14.2 Q21                      | K    |     | 443                          | 507.51    | 546.79                          | 497.05                     | 600.16  | 385    | 462.13  | 476.40                          | 430.00                     | 526.45  | 1.2                             |
| 32UF                                | South Holland            | 15.3 Q24                      | E    |     | 409                          | 512.22    | 500.19                          | 452.88                     | 551.10  | 385    | 466.35  | 472.10                          | 426.11                     | 521.69  | 1.1                             |
| 32UG                                | South Kesteven           | 12.2 Q24                      | E    |     | 578                          | 788.05    | 459.45                          | 422.75                     | 498.48  | 532    | 718.58  | 423.37                          | 388.15                     | 460.92  | 1.1                             |
| 16UG                                | South Lakeland           | 12.0 Q13                      | B    |     | 535                          | 624.68    | 536.49                          | 491.99                     | 583.94  | 490    | 568.28  | 493.08                          | 450.38                     | 538.74  | 1.1                             |
| 33UH                                | South Norfolk            | 10.7 Q01                      | G    |     | 409                          | 729.99    | 350.97                          | 317.78                     | 386.69  | 364    | 665.16  | 312.94                          | 281.61                     | 346.80  | 1.1                             |
| 34UG                                | South Northamptonshire   | 6.6 Q25                       | E    |     | 313                          | 522.04    | 375.58                          | 335.12                     | 419.59  | 297    | 476.14  | 356.70                          | 317.28                     | 399.66  | 1.1                             |
| 38UD                                | South Oxfordshire        | 7.7 Q16                       | J    |     | 664                          | 791.33    | 525.62                          | 486.40                     | 567.17  | 622    | 722.15  | 492.54                          | 454.59                     | 532.82  | 1.1                             |
| 30UN                                | South Ribble             | 14.0 Q13                      | B    |     | 624                          | 650.25    | 601.13                          | 554.88                     | 650.21  | 575    | 593.12  | 554.38                          | 509.99                     | 601.61  | 1.1                             |
| 39UF                                | South Shropshire         | 15.5 Q26                      | F    |     | 202                          | 257.06    | 492.24                          | 426.70                     | 565.01  | 179    | 233.81  | 437.80                          | 376.00                     | 506.84  | 1.1                             |
| 40UD                                | South Somerset           | 13.7 Q22                      | K    |     | 957                          | 966.30    | 620.39                          | 581.70                     | 660.98  | 864    | 880.68  | 561.02                          | 524.23                     | 599.71  | 1.1                             |
| 41UF                                | South Staffordshire      | 11.7 Q26                      | F    |     | 466                          | 631.06    | 462.57                          | 421.52                     | 506.54  | 426    | 574.44  | 424.08                          | 384.76                     | 466.33  | 1.1                             |
| 00CL                                | South Tyneside           | 33.1 Q09                      | A    |     | 1193                         | 934.50    | 799.70                          | 754.96                     | 846.40  | 1092   | 852.13  | 732.82                          | 690.00                     | 777.61  | 1.1                             |
| 00MS                                | Southampton UA           | 23.7 Q17                      | J    |     | 2081                         | 1602.75   | 813.34                          | 778.77                     | 849.05  | 1904   | 1463.52 | 743.96                          | 710.92                     | 778.15  | 1.1                             |
| 00KF                                | Southend-On-Sea UA       | 21.7 Q03                      | G    |     | 856                          | 1018.66   | 526.39                          | 491.71                     | 562.87  | 780    | 930.02  | 479.60                          | 446.53                     | 514.48  | 1.1                             |
| 00BE                                | Southwark                | 35.4 Q07                      | H    |     | 1745                         | 1850.05   | 590.85                          | 563.45                     | 619.24  | 1598   | 1688.60 | 541.17                          | 514.96                     | 568.37  | 1.1                             |
| 43UH                                | Spelthorne               | 10.4 Q19                      | J    |     | 387                          | 566.45    | 427.97                          | 386.39                     | 472.81  | 343    | 516.40  | 379.83                          | 340.69                     | 422.23  | 1.1                             |
| 26UG                                | St. Albans               | 7.7 Q02                       | G    |     | 539                          | 832.94    | 405.36                          | 371.86                     | 441.08  | 484    | 761.17  | 363.62                          | 331.94                     | 397.51  | 1.1                             |
| 42UF                                | St. Edmundsbury          | 11.5 Q01                      | G    |     | 526                          | 645.08    | 510.78                          | 468.06                     | 556.36  | 490    | 588.33  | 476.27                          | 435.03                     | 520.37  | 1.1                             |
| 00BZ                                | St. Helens               | 32.0 Q15                      | B    |     | 1899                         | 1048.01   | 1135.07                         | 1084.59                    | 1187.30 | 1657   | 956.73  | 990.41                          | 943.29                     | 1039.27 | 1.1                             |
| 41UG                                | Stafford                 | 12.9 Q26                      | F    |     | 828                          | 771.47    | 672.32                          | 627.30                     | 719.72  | 754    | 702.84  | 613.48                          | 570.46                     | 658.87  | 1.1                             |
| 41UH                                | Staffordshire Moorlands  | 16.5 Q26                      | F    |     | 517                          | 561.69    | 576.58                          | 527.94                     | 628.49  | 472    | 511.24  | 527.96                          | 481.40                     | 577.81  | 1.1                             |
| 26UH                                | Stevenage                | 15.6 Q02                      | G    |     | 422                          | 501.05    | 527.59                          | 478.45                     | 580.42  | 393    | 457.99  | 490.71                          | 443.38                     | 541.70  | 1.1                             |
| 00BS                                | Stockport                | 18.1 Q14                      | B    |     | 2195                         | 1698.34   | 809.61                          | 776.09                     | 844.20  | 1992   | 1549.63 | 735.10                          | 703.17                     | 768.10  | 1.1                             |
| 00EF                                | Stockton-On-Tees UA      | 26.3 Q10                      | A    |     | 1445                         | 1160.28   | 780.14                          | 740.43                     | 821.43  | 1347   | 1059.93 | 726.73                          | 688.44                     | 766.61  | 1.1                             |
| 00GL                                | Stoke-On-Trent UA        | 35.3 Q26                      | F    |     | 1752                         | 1477.86   | 742.62                          | 708.25                     | 778.23  | 1565   | 1350.32 | 662.77                          | 630.33                     | 696.44  | 1.1                             |
| 44UE                                | Stratford-On-Avon        | 8.8 Q28                       | F    |     | 533                          | 693.38    | 481.53                          | 441.51                     | 524.20  | 503    | 631.40  | 455.56                          | 416.61                     | 497.17  | 1.1                             |
| 23UF                                | Stroud                   | 10.2 Q20                      | K    |     | 432                          | 666.96    | 405.74                          | 368.38                     | 445.87  | 407    | 608.22  | 382.66                          | 346.38                     | 421.71  | 1.1                             |
| 42UG                                | Suffolk Coastal          | 11.5 Q01                      | G    |     | 375                          | 753.86    | 311.61                          | 280.86                     | 344.80  | 348    | 686.42  | 289.92                          | 260.25                     | 322.03  | 1.1                             |
| 00CM                                | Sunderland               | 34.2 Q09                      | A    |     | 2404                         | 1713.43   | 878.89                          | 844.10                     | 914.74  | 2230   | 1563.20 | 815.78                          | 782.27                     | 850.36  | 1.1                             |
| 43UJ                                | Surrey Heath             | 4.9 Q19                       | J    |     | 471                          | 494.45    | 596.71                          | 544.03                     | 653.12  | 425    | 451.43  | 538.37                          | 488.39                     | 592.07  | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                       |                               |      |     | Head injuriesall ages, Males |           |                                 |                            |         |        |                                 |                            |                                 |         |     |
|-------------------------------------|-----------------------|-------------------------------|------|-----|------------------------------|-----------|---------------------------------|----------------------------|---------|--------|---------------------------------|----------------------------|---------------------------------|---------|-----|
|                                     |                       |                               |      |     | CIPS                         |           |                                 |                            | People  |        |                                 |                            |                                 |         |     |
| Label                               | Local authority       | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Obs.    | Exp.   | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Ratio of<br>spells to<br>people |         |     |
| N/A                                 | ALL ENGLAND           |                               |      |     | 321251                       | 321251.00 | 626.42                          | 624.26                     | 628.59  | 293266 | #####                           | 571.85                     | 569.78                          | 573.92  | 1.1 |
| 00BF                                | Sutton                | 13.3 Q08                      | H    |     | 1063                         | 1160.76   | 573.66                          | 539.69                     | 609.21  | 980    | 1060.03                         | 528.68                     | 496.09                          | 562.84  | 1.1 |
| 29UM                                | Swale                 | 20.9 Q18                      | J    |     | 701                          | 806.31    | 544.61                          | 505.03                     | 586.46  | 638    | 736.67                          | 495.26                     | 457.57                          | 535.23  | 1.1 |
| 00HX                                | Swindon UA            | 17.2 Q20                      | K    |     | 1040                         | 1232.69   | 528.50                          | 496.86                     | 561.62  | 969    | 1125.41                         | 492.38                     | 461.86                          | 524.38  | 1.1 |
| 00BT                                | Tameside              | 29.8 Q14                      | B    |     | 1488                         | 1303.98   | 714.82                          | 678.96                     | 752.09  | 1380   | 1191.17                         | 662.50                     | 628.01                          | 698.40  | 1.1 |
| 41UK                                | Tamworth              | 19.7 Q26                      | F    |     | 383                          | 452.64    | 530.05                          | 478.28                     | 585.89  | 367    | 413.51                          | 507.53                     | 456.92                          | 562.21  | 1.0 |
| 43UK                                | Tandridge             | 8.3 Q19                       | J    |     | 405                          | 496.19    | 511.30                          | 462.71                     | 563.61  | 350    | 452.68                          | 442.14                     | 397.02                          | 490.97  | 1.2 |
| 40UE                                | Taunton Deane         | 16.3 Q22                      | K    |     | 704                          | 665.41    | 662.75                          | 614.69                     | 713.56  | 637    | 607.09                          | 600.03                     | 554.33                          | 648.49  | 1.1 |
| 20UH                                | Teesdale              | 16.4 Q10                      | A    |     | 127                          | 146.25    | 543.98                          | 453.48                     | 647.24  | 116    | 133.10                          | 498.38                     | 411.82                          | 597.77  | 1.1 |
| 18UH                                | Teignbridge           | 17.0 Q21                      | K    |     | 740                          | 779.39    | 594.76                          | 552.67                     | 639.20  | 674    | 709.69                          | 543.09                     | 502.86                          | 585.69  | 1.1 |
| 00GF                                | Telford and Wrekin UA | 21.8 Q26                      | F    |     | 896                          | 977.88    | 573.97                          | 537.00                     | 612.82  | 821    | 893.96                          | 525.18                     | 489.86                          | 562.37  | 1.1 |
| 22UN                                | Tendring              | 23.1 Q03                      | G    |     | 669                          | 924.75    | 453.18                          | 419.48                     | 488.86  | 608    | 841.45                          | 413.20                     | 381.00                          | 447.39  | 1.1 |
| 24UN                                | Test Valley           | 8.7 Q17                       | J    |     | 511                          | 664.27    | 481.88                          | 441.00                     | 525.53  | 477    | 606.00                          | 450.12                     | 410.63                          | 492.39  | 1.1 |
| 23UG                                | Tewkesbury            | 10.1 Q20                      | K    |     | 328                          | 488.30    | 420.78                          | 376.47                     | 468.88  | 306    | 444.99                          | 393.24                     | 350.40                          | 439.86  | 1.1 |
| 29UN                                | Thanet                | 25.6 Q18                      | J    |     | 777                          | 801.91    | 606.96                          | 565.03                     | 651.18  | 687    | 732.37                          | 536.43                     | 497.06                          | 578.09  | 1.1 |
| 26UJ                                | Three Rivers          | 9.4 Q02                       | G    |     | 359                          | 530.60    | 423.84                          | 381.12                     | 470.03  | 336    | 484.22                          | 396.81                     | 355.51                          | 441.59  | 1.1 |
| 00KG                                | Thurrock UA           | 21.2 Q03                      | G    |     | 642                          | 954.55    | 421.31                          | 389.35                     | 455.20  | 594    | 872.96                          | 389.11                     | 358.44                          | 421.70  | 1.1 |
| 29UP                                | Tonbridge and Malling | 9.6 Q18                       | J    |     | 764                          | 705.18    | 678.67                          | 631.39                     | 728.55  | 692    | 644.22                          | 614.27                     | 569.34                          | 661.79  | 1.1 |
| 00HH                                | Torbay UA             | 23.7 Q21                      | K    |     | 1025                         | 831.58    | 772.12                          | 725.57                     | 820.87  | 922    | 757.39                          | 696.13                     | 651.92                          | 742.56  | 1.1 |
| 18UK                                | Torridge              | 21.4 Q21                      | K    |     | 324                          | 394.18    | 514.89                          | 460.34                     | 574.12  | 294    | 358.86                          | 468.50                     | 416.47                          | 525.23  | 1.1 |
| 00BG                                | Tower Hamlets         | 45.9 Q06                      | H    |     | 1477                         | 1553.70   | 595.50                          | 565.51                     | 626.66  | 1359   | 1420.84                         | 546.96                     | 518.26                          | 576.84  | 1.1 |
| 00BU                                | Trafford              | 20.2 Q14                      | B    |     | 1422                         | 1330.25   | 669.62                          | 635.27                     | 705.36  | 1290   | 1214.62                         | 607.34                     | 574.64                          | 641.41  | 1.1 |
| 29UQ                                | Tunbridge Wells       | 10.5 Q18                      | J    |     | 880                          | 643.35    | 856.84                          | 801.16                     | 915.38  | 783    | 587.41                          | 762.26                     | 709.79                          | 817.57  | 1.1 |
| 35UF                                | Tynedale              | 15.5 Q09                      | A    |     | 306                          | 349.77    | 548.03                          | 488.33                     | 613.00  | 287    | 318.40                          | 515.46                     | 457.54                          | 578.68  | 1.1 |
| 22UQ                                | Uttlesford            | 6.7 Q03                       | G    |     | 326                          | 457.36    | 446.51                          | 399.35                     | 497.71  | 312    | 417.68                          | 427.17                     | 381.08                          | 477.30  | 1.0 |
| 38UE                                | Vale of White Horse   | 6.9 Q16                       | J    |     | 609                          | 735.45    | 518.72                          | 478.33                     | 561.60  | 567    | 671.62                          | 482.77                     | 443.85                          | 524.20  | 1.1 |
| 13UH                                | Vale Royal            | 17.1 Q15                      | B    |     | 872                          | 761.85    | 716.99                          | 670.18                     | 766.20  | 765    | 694.84                          | 629.60                     | 585.76                          | 675.84  | 1.1 |
| 00DB                                | Wakefield             | 29.1 Q12                      | D    |     | 2749                         | 1946.55   | 884.66                          | 851.89                     | 918.36  | 2483   | 1775.90                         | 799.54                     | 768.40                          | 831.62  | 1.1 |
| 00CU                                | Walsall               | 29.4 Q27                      | F    |     | 1262                         | 1565.42   | 505.00                          | 477.52                     | 533.65  | 1159   | 1431.40                         | 463.03                     | 436.75                          | 490.47  | 1.1 |
| 00BH                                | Waltham Forest        | 30.2 Q06                      | H    |     | 1947                         | 1432.06   | 851.67                          | 814.26                     | 890.36  | 1754   | 1311.78                         | 764.63                     | 729.26                          | 801.27  | 1.1 |
| 00BJ                                | Wandsworth            | 20.9 Q08                      | H    |     | 1641                         | 1734.77   | 592.56                          | 564.23                     | 621.94  | 1510   | 1582.50                         | 545.65                     | 518.47                          | 573.89  | 1.1 |
| 35UG                                | Wansbeck              | 30.5 Q09                      | A    |     | 632                          | 370.83    | 1067.61                         | 985.98                     | 1154.19 | 561    | 338.16                          | 948.69                     | 871.80                          | 1030.54 | 1.1 |
| 00EU                                | Warrington UA         | 19.4 Q15                      | B    |     | 2010                         | 1186.90   | 1060.84                         | 1014.96                    | 1108.25 | 1781   | 1083.20                         | 940.24                     | 897.08                          | 984.95  | 1.1 |

| HES data 2009-2011: CIPS file v1Eng |                           |                            |      |     | Head injuriesall ages, Males |           |                                 |                            |        |         |                                 |                            |                                 |
|-------------------------------------|---------------------------|----------------------------|------|-----|------------------------------|-----------|---------------------------------|----------------------------|--------|---------|---------------------------------|----------------------------|---------------------------------|
|                                     |                           |                            |      |     | CIPS                         |           |                                 |                            |        | People  |                                 |                            |                                 |
| Label                               | Local authority           | IMD 2004:<br>Average Score | StHA | GOR | Obs.                         | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND               |                            |      |     | 321251                       | 321251.00 | 626.42                          | 624.26 628.59              | 293266 | #####   | 571.85                          | 569.78 573.92              | 1.1                             |
| 44UF                                | Warwick                   | 12.6 Q28                   | F    |     | 786                          | 866.75    | 568.06                          | 529.03 609.20              | 740    | 789.90  | 535.73                          | 497.82 575.76              | 1.1                             |
| 26UK                                | Watford                   | 14.5 Q02                   | G    |     | 480                          | 527.71    | 569.79                          | 519.95 623.12              | 440    | 482.02  | 522.00                          | 474.35 573.13              | 1.1                             |
| 42UH                                | Waveney                   | 21.8 Q01                   | G    |     | 380                          | 734.38    | 324.14                          | 292.36 358.43              | 341    | 668.97  | 291.49                          | 261.37 324.14              | 1.1                             |
| 43UL                                | Waverley                  | 6.2 Q19                    | J    |     | 567                          | 730.13    | 486.46                          | 447.24 528.20              | 524    | 667.21  | 449.11                          | 411.47 489.26              | 1.1                             |
| 21UH                                | Wealden                   | 9.4 Q19                    | J    |     | 746                          | 853.44    | 547.56                          | 508.97 588.31              | 707    | 777.50  | 520.00                          | 482.37 559.79              | 1.1                             |
| 20UJ                                | Wear Valley               | 32.6 Q10                   | A    |     | 462                          | 369.93    | 782.34                          | 712.61 857.04              | 426    | 337.45  | 721.91                          | 654.97 793.83              | 1.1                             |
| 34UH                                | Wellingborough            | 17.5 Q25                   | E    |     | 411                          | 458.12    | 561.99                          | 508.96 619.04              | 367    | 418.31  | 501.71                          | 451.69 555.76              | 1.1                             |
| 26UL                                | Welwyn Hatfield           | 12.6 Q02                   | G    |     | 428                          | 733.51    | 365.52                          | 331.70 401.84              | 383    | 669.90  | 326.94                          | 295.01 361.39              | 1.1                             |
| 00MB                                | West Berkshire UA         | 7.9 Q16                    | J    |     | 581                          | 921.60    | 394.91                          | 363.45 428.37              | 533    | 841.73  | 362.11                          | 332.02 394.20              | 1.1                             |
| 18UL                                | West Devon                | 16.3 Q21                   | K    |     | 255                          | 311.92    | 512.11                          | 451.17 578.98              | 232    | 283.89  | 467.32                          | 409.11 531.49              | 1.1                             |
| 19UH                                | West Dorset               | 13.3 Q22                   | K    |     | 496                          | 591.29    | 525.47                          | 480.24 573.82              | 453    | 538.22  | 481.31                          | 438.00 527.74              | 1.1                             |
| 30UP                                | West Lancashire           | 21.1 Q13                   | B    |     | 884                          | 655.98    | 844.16                          | 789.42 901.70              | 793    | 598.65  | 757.50                          | 705.69 812.11              | 1.1                             |
| 32UH                                | West Lindsey              | 17.7 Q24                   | E    |     | 487                          | 536.30    | 568.84                          | 519.43 621.67              | 455    | 488.78  | 532.33                          | 484.53 583.57              | 1.1                             |
| 38UF                                | West Oxfordshire          | 6.3 Q16                    | J    |     | 517                          | 627.52    | 516.10                          | 472.56 562.57              | 479    | 572.69  | 478.30                          | 436.42 523.12              | 1.1                             |
| 40UF                                | West Somerset             | 22.1 Q22                   | K    |     | 178                          | 217.79    | 511.96                          | 439.51 592.95              | 158    | 197.84  | 456.69                          | 388.25 533.72              | 1.1                             |
| 46UF                                | West Wiltshire            | 12.0 Q20                   | K    |     | 663                          | 770.52    | 539.01                          | 498.75 581.65              | 588    | 702.78  | 478.45                          | 440.56 518.74              | 1.1                             |
| 00BK                                | Westminster               | 31.7 Q04                   | H    |     | 1356                         | 1665.01   | 510.16                          | 483.37 538.06              | 1223   | 1513.86 | 461.98                          | 436.45 488.62              | 1.1                             |
| 19UJ                                | Weymouth and Portland     | 21.2 Q22                   | K    |     | 412                          | 400.59    | 644.27                          | 583.55 709.59              | 365    | 364.88  | 572.04                          | 514.85 633.84              | 1.1                             |
| 00BW                                | Wigan                     | 29.3 Q14                   | B    |     | 2618                         | 1827.06   | 897.60                          | 863.54 932.66              | 2317   | 1668.00 | 794.35                          | 762.33 827.37              | 1.1                             |
| 24UP                                | Winchester                | 7.0 Q17                    | J    |     | 501                          | 703.86    | 445.88                          | 407.69 486.69              | 472    | 642.68  | 419.98                          | 382.94 459.64              | 1.1                             |
| 00ME                                | Windsor and Maidenhead UA | 8.2 Q16                    | J    |     | 616                          | 883.75    | 436.64                          | 402.83 472.52              | 583    | 807.53  | 412.85                          | 380.01 447.76              | 1.1                             |
| 00CB                                | Wirral                    | 30.1 Q15                   | B    |     | 2865                         | 1846.77   | 971.80                          | 936.54 1008.05             | 2595   | 1686.53 | 879.88                          | 846.35 914.40              | 1.1                             |
| 43UM                                | Woking                    | 7.3 Q19                    | J    |     | 399                          | 561.02    | 445.51                          | 402.87 491.45              | 372    | 512.44  | 415.13                          | 374.01 459.53              | 1.1                             |
| 00MF                                | Wokingham UA              | 5.1 Q16                    | J    |     | 491                          | 989.13    | 310.95                          | 284.05 339.71              | 465    | 903.35  | 294.36                          | 268.21 322.37              | 1.1                             |
| 00CW                                | Wolverhampton             | 32.2 Q27                   | F    |     | 1217                         | 1516.01   | 502.87                          | 475.01 531.94              | 1120   | 1385.05 | 462.42                          | 435.73 490.32              | 1.1                             |
| 47UE                                | Worcester                 | 17.7 Q28                   | F    |     | 603                          | 580.37    | 650.85                          | 599.93 704.94              | 546    | 529.77  | 589.37                          | 540.96 640.95              | 1.1                             |
| 45UH                                | Worthing                  | 15.7 Q19                   | J    |     | 592                          | 636.61    | 582.53                          | 536.54 631.40              | 547    | 580.20  | 539.13                          | 494.89 586.26              | 1.1                             |
| 47UF                                | Wychavon                  | 11.3 Q28                   | F    |     | 523                          | 703.55    | 465.66                          | 426.60 507.34              | 473    | 640.73  | 422.15                          | 384.96 461.97              | 1.1                             |
| 11UF                                | Wycombe                   | 9.7 Q16                    | J    |     | 765                          | 992.88    | 482.65                          | 449.05 518.10              | 698    | 907.20  | 439.98                          | 407.94 473.87              | 1.1                             |
| 30UQ                                | Wyre                      | 17.8 Q13                   | B    |     | 572                          | 675.94    | 530.10                          | 487.54 575.38              | 509    | 615.49  | 472.91                          | 432.71 515.84              | 1.1                             |
| 47UG                                | Wyre Forest               | 17.8 Q28                   | F    |     | 491                          | 587.89    | 523.18                          | 477.92 571.58              | 447    | 535.64  | 477.22                          | 434.00 523.58              | 1.1                             |
| 00FF                                | York UA                   | 14.5 Q11                   | D    |     | 969                          | 1263.74   | 480.32                          | 450.55 511.54              | 890    | 1152.05 | 441.78                          | 413.22 471.78              | 1.1                             |

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

| <b>Local authority</b>    | <b>95% Confidence interval</b> | <b>indirect rate per 100,000</b> |
|---------------------------|--------------------------------|----------------------------------|
| Liverpool                 | 1240.62                        | 1273.41                          |
| Knowsley                  | 1189.25                        | 1246.83                          |
| Halton UA                 | 1127.53                        | 1190.42                          |
| Lincoln                   | 1090.77                        | 1159.20                          |
| St. Helens                | 1084.59                        | 1135.07                          |
| Wansbeck                  | 985.98                         | 1067.61                          |
| Warrington UA             | 1014.96                        | 1060.84                          |
| Oldham                    | 1000.11                        | 1043.06                          |
| Rochdale                  | 990.49                         | 1034.46                          |
| Salford                   | 991.57                         | 1032.26                          |
| Derwentside               | 908.03                         | 973.37                           |
| Wirral                    | 936.54                         | 971.80                           |
| Blackpool UA              | 908.78                         | 959.87                           |
| Easington                 | 883.59                         | 945.34                           |
| Hartlepool UA             | 868.73                         | 931.77                           |
| North Tyneside            | 884.72                         | 927.56                           |
| Poole UA                  | 869.23                         | 918.72                           |
| Burnley                   | 854.51                         | 917.92                           |
| Calderdale                | 872.85                         | 915.01                           |
| Ellesmere Port and Neston | 835.23                         | 900.68                           |
| Wigan                     | 863.54                         | 897.60                           |
| Sefton                    | 861.56                         | 897.56                           |
| Crewe and Nantwich        | 837.34                         | 890.81                           |
| Blackburn with Darwen UA  | 838.31                         | 887.15                           |
| Wakefield                 | 851.89                         | 884.66                           |
| Sunderland                | 844.10                         | 878.89                           |
| Chester-Le-Street         | 797.98                         | 877.93                           |
| Preston                   | 824.12                         | 872.37                           |
| Hastings                  | 796.43                         | 857.87                           |
| Blyth Valley              | 792.85                         | 857.41                           |
| Tunbridge Wells           | 801.16                         | 856.84                           |
| Manchester                | 827.71                         | 852.17                           |
| Waltham Forest            | 814.26                         | 851.67                           |
| West Lancashire           | 789.42                         | 844.16                           |
| Corby                     | 765.02                         | 840.76                           |
| Chester                   | 780.62                         | 831.84                           |
| Middlesborough UA         | 778.90                         | 825.37                           |
| Darlington UA             | 761.13                         | 817.16                           |
| Southampton UA            | 778.77                         | 813.34                           |
| Stockport                 | 776.09                         | 809.61                           |
| Hyndburn                  | 740.42                         | 801.56                           |
| South Tyneside            | 754.96                         | 799.70                           |
| Leeds                     | 780.13                         | 799.45                           |
| Macclesfield              | 744.89                         | 789.91                           |
| Hammersmith and Fulham    | 745.51                         | 787.01                           |
| Wear Valley               | 712.61                         | 782.34                           |
| Barnsley                  | 744.77                         | 781.59                           |
| Rossendale                | 713.65                         | 780.73                           |
| Stockton-On-Tees UA       | 740.43                         | 780.14                           |
| Purbeck                   | 698.63                         | 778.51                           |
| Bournemouth UA            | 737.62                         | 778.31                           |
| Torbay UA                 | 725.57                         | 772.12                           |
| Restormel                 | 718.65                         | 772.05                           |
| Kirklees                  | 743.81                         | 770.75                           |
| Sedgefield                | 706.25                         | 764.71                           |
| Sandwell                  | 730.16                         | 761.80                           |
| Islington                 | 720.54                         | 758.77                           |
| Derby UA                  | 721.87                         | 755.52                           |
| Boston                    | 682.83                         | 751.75                           |
| Gateshead                 | 708.83                         | 747.65                           |

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

| <b>Local authority</b>         | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|--------------------------------|--------------------------------|--------|----------------------------------|
| Carrick                        | 688.35                         | 801.54 | 743.33                           |
| Stoke-On-Trent UA              | 708.25                         | 778.23 | 742.62                           |
| Portsmouth UA                  | 704.82                         | 777.80 | 740.64                           |
| Kerrier                        | 682.76                         | 790.78 | 735.29                           |
| Chesterfield                   | 680.06                         | 788.46 | 732.76                           |
| Newham                         | 699.94                         | 766.62 | 732.71                           |
| Bradford                       | 707.05                         | 754.05 | 730.27                           |
| Birmingham                     | 712.22                         | 744.89 | 728.41                           |
| Durham                         | 674.96                         | 781.90 | 726.96                           |
| Brighton and Hove UA           | 692.61                         | 758.42 | 724.96                           |
| North East Lincolnshire UA     | 681.42                         | 766.87 | 723.20                           |
| Kingston upon Hull, City of UA | 691.21                         | 755.59 | 722.87                           |
| Bury                           | 683.30                         | 763.32 | 722.48                           |
| Barrow-In-Furness              | 658.75                         | 787.55 | 721.00                           |
| Pendle                         | 665.45                         | 779.07 | 720.59                           |
| Coventry                       | 691.41                         | 749.92 | 720.22                           |
| Vale Royal                     | 670.18                         | 766.20 | 716.99                           |
| Tameside                       | 678.96                         | 752.09 | 714.82                           |
| Leicester UA                   | 684.08                         | 743.70 | 713.42                           |
| Ealing                         | 684.30                         | 742.81 | 713.10                           |
| Salisbury                      | 659.94                         | 758.00 | 707.70                           |
| Bristol, City of UA            | 681.35                         | 730.40 | 705.55                           |
| Plymouth UA                    | 673.23                         | 737.53 | 704.83                           |
| Peterborough UA                | 664.45                         | 744.57 | 703.65                           |
| Congleton                      | 645.56                         | 758.05 | 700.12                           |
| Gravesham                      | 645.33                         | 752.23 | 697.25                           |
| Exeter                         | 649.54                         | 743.89 | 695.51                           |
| North Devon                    | 634.20                         | 744.51 | 687.70                           |
| East Staffordshire             | 633.24                         | 734.25 | 682.34                           |
| Tonbridge and Malling          | 631.39                         | 728.55 | 678.67                           |
| Richmondshire                  | 607.97                         | 744.15 | 673.49                           |
| Havant                         | 625.82                         | 721.65 | 672.46                           |
| Stafford                       | 627.30                         | 719.72 | 672.32                           |
| Oxford                         | 632.55                         | 712.18 | 671.48                           |
| Carlisle                       | 621.38                         | 723.65 | 671.05                           |
| Alnwick                        | 582.19                         | 768.24 | 670.42                           |
| Lancaster                      | 627.67                         | 713.94 | 669.76                           |
| Trafford                       | 635.27                         | 705.36 | 669.62                           |
| Brent                          | 637.45                         | 700.78 | 668.55                           |
| Hounslow                       | 632.42                         | 698.30 | 664.75                           |
| Barking and Dagenham           | 625.81                         | 701.95 | 663.06                           |
| Taunton Deane                  | 614.69                         | 713.56 | 662.75                           |
| Penwith                        | 600.84                         | 728.90 | 662.56                           |
| North Cornwall                 | 604.34                         | 714.93 | 657.90                           |
| Copeland                       | 596.79                         | 721.05 | 656.73                           |
| Newcastle upon Tyne            | 627.25                         | 684.92 | 655.61                           |
| Rotherham                      | 622.93                         | 687.58 | 654.66                           |
| Dartford                       | 603.18                         | 709.05 | 654.52                           |
| Dudley                         | 625.38                         | 684.03 | 654.21                           |
| Worcester                      | 599.93                         | 704.94 | 650.85                           |
| Redcar and Cleveland UA        | 607.76                         | 695.49 | 650.52                           |
| Eastbourne                     | 600.56                         | 702.75 | 650.15                           |
| Redbridge                      | 617.31                         | 678.94 | 647.57                           |
| Hackney                        | 612.78                         | 681.26 | 646.34                           |
| Weymouth and Portland          | 583.55                         | 709.59 | 644.27                           |
| Lambeth                        | 614.96                         | 673.75 | 643.85                           |
| Cheltenham                     | 594.66                         | 687.62 | 639.88                           |
| Nuneaton and Bedworth          | 594.87                         | 687.26 | 639.81                           |
| Epsom and Ewell                | 581.72                         | 701.65 | 639.59                           |
| Hambleton                      | 585.88                         | 694.60 | 638.51                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Arun                        | 595.49                         | 677.01 | 635.27                           |
| Kings Lynn and West Norfolk | 587.58                         | 671.00 | 628.25                           |
| Medway UA                   | 595.52                         | 658.38 | 626.36                           |
| North Kesteven              | 578.67                         | 676.55 | 626.18                           |
| Chorley                     | 577.96                         | 676.81 | 625.93                           |
| Slough UA                   | 582.80                         | 668.50 | 624.55                           |
| Crawley                     | 577.45                         | 672.49 | 623.62                           |
| South Somerset              | 581.70                         | 660.98 | 620.39                           |
| Doncaster                   | 589.77                         | 648.04 | 618.39                           |
| Scarborough                 | 567.37                         | 663.02 | 613.80                           |
| Redditch                    | 558.71                         | 671.95 | 613.38                           |
| Shrewsbury and Atcham       | 563.64                         | 665.00 | 612.75                           |
| Chichester                  | 564.01                         | 657.29 | 609.32                           |
| Gosport                     | 555.32                         | 664.64 | 608.14                           |
| Caradon                     | 554.10                         | 663.55 | 606.98                           |
| Thanet                      | 565.03                         | 651.18 | 606.96                           |
| Cannock Chase               | 555.11                         | 657.92 | 604.88                           |
| Cherwell                    | 562.24                         | 646.01 | 603.04                           |
| South Ribble                | 554.88                         | 650.21 | 601.13                           |
| Haringey                    | 566.25                         | 630.64 | 597.80                           |
| Castle Morpeth              | 530.87                         | 669.24 | 597.07                           |
| Surrey Heath                | 544.03                         | 653.12 | 596.71                           |
| Tower Hamlets               | 565.51                         | 626.66 | 595.50                           |
| Teignbridge                 | 552.67                         | 639.20 | 594.76                           |
| Wandsworth                  | 564.23                         | 621.94 | 592.56                           |
| Southwark                   | 563.45                         | 619.24 | 590.85                           |
| Hillingdon                  | 561.59                         | 620.93 | 590.70                           |
| Camden                      | 559.37                         | 622.10 | 590.11                           |
| Mole Valley                 | 538.13                         | 645.40 | 589.95                           |
| Lewisham                    | 560.01                         | 619.36 | 589.13                           |
| Havering                    | 555.58                         | 619.04 | 586.67                           |
| Milton Keynes UA            | 555.19                         | 617.91 | 585.92                           |
| Maidstone                   | 544.32                         | 623.79 | 583.04                           |
| Worthing                    | 536.54                         | 631.40 | 582.53                           |
| Fenland                     | 531.27                         | 632.79 | 580.37                           |
| Mansfield                   | 530.92                         | 627.88 | 577.88                           |
| Staffordshire Moorlands     | 527.94                         | 628.49 | 576.58                           |
| Telford and Wrekin UA       | 537.00                         | 612.82 | 573.97                           |
| Sutton                      | 539.69                         | 609.21 | 573.66                           |
| Kettering                   | 523.07                         | 624.89 | 572.29                           |
| Solihull                    | 538.66                         | 605.70 | 571.44                           |
| Rushmoor                    | 523.32                         | 621.95 | 571.04                           |
| Watford                     | 519.95                         | 623.12 | 569.79                           |
| Newcastle-under-Lyme        | 527.27                         | 612.81 | 568.84                           |
| West Lindsey                | 519.43                         | 621.67 | 568.84                           |
| East Dorset                 | 519.40                         | 620.73 | 568.38                           |
| Warwick                     | 529.03                         | 609.20 | 568.06                           |
| New Forest                  | 531.85                         | 602.92 | 566.55                           |
| Reigate and Banstead        | 526.74                         | 608.26 | 566.41                           |
| North Warwickshire          | 504.05                         | 627.56 | 563.28                           |
| North Dorset                | 506.75                         | 623.69 | 562.96                           |
| Northampton                 | 530.74                         | 595.43 | 562.39                           |
| Wellingborough              | 508.96                         | 619.04 | 561.99                           |
| Gloucester                  | 518.02                         | 604.69 | 560.10                           |
| Allerdale                   | 511.67                         | 611.05 | 559.71                           |
| Sevenoaks                   | 511.37                         | 601.44 | 555.04                           |
| Bolsover                    | 499.77                         | 610.28 | 552.96                           |
| Croydon                     | 527.61                         | 578.09 | 552.42                           |
| Mid Devon                   | 498.59                         | 607.76 | 551.16                           |
| East Devon                  | 509.22                         | 589.66 | 548.34                           |

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

| <b>Local authority</b>       | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|------------------------------|--------------------------------|--------|----------------------------------|
| Tynedale                     | 488.33                         | 613.00 | 548.03                           |
| Wealden                      | 508.97                         | 588.31 | 547.56                           |
| Kensington and Chelsea       | 512.59                         | 584.24 | 547.54                           |
| South Hams                   | 497.05                         | 600.16 | 546.79                           |
| Harlow                       | 496.06                         | 599.75 | 546.07                           |
| Swale                        | 505.03                         | 586.46 | 544.61                           |
| Teesdale                     | 453.48                         | 647.24 | 543.98                           |
| Bassetlaw                    | 500.61                         | 589.20 | 543.56                           |
| Mendip                       | 499.36                         | 589.32 | 542.95                           |
| High Peak                    | 495.13                         | 592.59 | 542.22                           |
| Bath and North East Somerset | 507.88                         | 575.45 | 540.88                           |
| Barnet                       | 515.00                         | 564.70 | 539.42                           |
| West Wiltshire               | 498.75                         | 581.65 | 539.01                           |
| Norwich                      | 502.46                         | 576.97 | 538.75                           |
| South Lakeland               | 491.99                         | 583.94 | 536.49                           |
| Rother                       | 488.24                         | 586.14 | 535.52                           |
| South Derbyshire             | 488.65                         | 585.62 | 535.50                           |
| Epping Forest                | 493.72                         | 577.37 | 534.32                           |
| Bolton                       | 505.84                         | 562.44 | 533.58                           |
| Selby                        | 483.37                         | 587.35 | 533.46                           |
| Kennet                       | 483.07                         | 585.35 | 532.38                           |
| Adur                         | 474.73                         | 592.69 | 531.27                           |
| Ribble Valley                | 470.72                         | 595.60 | 530.43                           |
| Fylde                        | 479.49                         | 584.92 | 530.25                           |
| Wyre                         | 487.54                         | 575.38 | 530.10                           |
| Tamworth                     | 478.28                         | 585.89 | 530.05                           |
| Lewes                        | 484.19                         | 577.72 | 529.41                           |
| Guildford                    | 491.16                         | 568.57 | 528.81                           |
| Swindon UA                   | 496.86                         | 561.62 | 528.50                           |
| Lichfield                    | 482.22                         | 576.72 | 527.89                           |
| Stevenage                    | 478.45                         | 580.42 | 527.59                           |
| Southend-On-Sea UA           | 491.71                         | 562.87 | 526.39                           |
| South Oxfordshire            | 486.40                         | 567.17 | 525.62                           |
| West Dorset                  | 480.24                         | 573.82 | 525.47                           |
| Bromsgrove                   | 478.90                         | 574.82 | 525.22                           |
| Derbyshire Dales             | 471.32                         | 582.14 | 524.54                           |
| Luton UA                     | 492.63                         | 555.52 | 523.37                           |
| Wyre Forest                  | 477.92                         | 571.58 | 523.18                           |
| Broxbourne                   | 474.32                         | 571.74 | 521.33                           |
| Bedford                      | 485.73                         | 557.86 | 520.86                           |
| Fareham                      | 478.85                         | 564.71 | 520.46                           |
| Vale of White Horse          | 478.33                         | 561.60 | 518.72                           |
| Amber Valley                 | 477.17                         | 561.07 | 517.85                           |
| Eastleigh                    | 475.85                         | 559.06 | 516.20                           |
| West Oxfordshire             | 472.56                         | 562.57 | 516.10                           |
| Rugby                        | 469.63                         | 563.80 | 515.11                           |
| Torridge                     | 460.34                         | 574.12 | 514.89                           |
| East Lindsey                 | 476.95                         | 553.55 | 514.18                           |
| North Lincolnshire UA        | 478.48                         | 550.45 | 513.52                           |
| West Devon                   | 451.17                         | 578.98 | 512.11                           |
| West Somerset                | 439.51                         | 592.95 | 511.96                           |
| Tandridge                    | 462.71                         | 563.61 | 511.30                           |
| Dover                        | 468.41                         | 557.05 | 511.29                           |
| St. Edmundsbury              | 468.06                         | 556.36 | 510.78                           |
| Westminster                  | 483.37                         | 538.06 | 510.16                           |
| Chelmsford                   | 474.32                         | 543.84 | 508.19                           |
| Walsall                      | 477.52                         | 533.65 | 505.00                           |
| North East Derbyshire        | 460.08                         | 552.00 | 504.48                           |
| Wolverhampton                | 475.01                         | 531.94 | 502.87                           |
| Isle of Wight UA             | 465.60                         | 541.50 | 502.48                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Greenwich                   | 472.93                         | 532.01 | 501.82                           |
| Nottingham UA               | 476.66                         | 525.59 | 500.68                           |
| South Holland               | 452.88                         | 551.10 | 500.19                           |
| Herefordshire, County of UA | 467.34                         | 534.68 | 500.16                           |
| Bromley                     | 474.80                         | 525.94 | 499.88                           |
| Mid Sussex                  | 461.16                         | 539.97 | 499.40                           |
| Basingstoke and Deane       | 464.51                         | 535.24 | 498.94                           |
| Merton                      | 468.60                         | 530.16 | 498.67                           |
| Horsham                     | 457.82                         | 537.16 | 496.30                           |
| South Bucks                 | 441.40                         | 551.66 | 494.24                           |
| Sheffield                   | 475.25                         | 511.94 | 493.34                           |
| East Hampshire              | 452.00                         | 536.91 | 493.09                           |
| South Shropshire            | 426.70                         | 565.01 | 492.24                           |
| Ashfield                    | 451.55                         | 534.92 | 491.92                           |
| Harrogate                   | 457.25                         | 528.02 | 491.68                           |
| Hart                        | 446.29                         | 540.42 | 491.68                           |
| North West Leicestershire   | 445.86                         | 540.26 | 491.37                           |
| Charnwood                   | 458.52                         | 525.30 | 491.06                           |
| Enfield                     | 464.81                         | 516.35 | 490.07                           |
| Cambridge                   | 453.07                         | 526.92 | 488.95                           |
| Malvern Hills               | 438.75                         | 541.10 | 487.92                           |
| South Gloucestershire UA    | 461.09                         | 515.04 | 487.50                           |
| North Shropshire            | 433.43                         | 546.19 | 487.38                           |
| Waverley                    | 447.24                         | 528.20 | 486.46                           |
| North Somerset UA           | 456.78                         | 517.32 | 486.35                           |
| Cotswold                    | 438.96                         | 536.30 | 485.81                           |
| Berwick-upon-Tweed          | 402.58                         | 579.73 | 485.18                           |
| Hinckley and Bosworth       | 442.40                         | 529.88 | 484.66                           |
| Wycombe                     | 449.05                         | 518.10 | 482.65                           |
| Test Valley                 | 441.00                         | 525.53 | 481.88                           |
| Stratford-On-Avon           | 441.51                         | 524.20 | 481.53                           |
| North Hertfordshire         | 442.57                         | 521.77 | 480.95                           |
| York UA                     | 450.55                         | 511.54 | 480.32                           |
| Sedgemoor                   | 439.61                         | 522.98 | 479.95                           |
| Maldon                      | 424.91                         | 538.08 | 479.01                           |
| Basildon                    | 446.10                         | 512.83 | 478.59                           |
| Richmond upon Thames        | 445.64                         | 510.05 | 477.03                           |
| Hertsmere                   | 434.00                         | 521.85 | 476.41                           |
| Shepway                     | 433.93                         | 521.66 | 476.29                           |
| Forest Heath                | 423.26                         | 530.91 | 474.81                           |
| Newark and Sherwood         | 430.61                         | 513.51 | 470.70                           |
| South Bedfordshire          | 428.22                         | 508.59 | 467.11                           |
| Oadby and Wigston           | 414.03                         | 524.53 | 466.85                           |
| Wychavon                    | 426.60                         | 507.34 | 465.66                           |
| Christchurch                | 406.13                         | 530.10 | 465.04                           |
| North Wiltshire             | 426.62                         | 502.05 | 463.19                           |
| South Staffordshire         | 421.52                         | 506.54 | 462.57                           |
| Great Yarmouth              | 419.38                         | 506.71 | 461.51                           |
| South Kesteven              | 422.75                         | 498.48 | 459.45                           |
| East Riding of Yorkshire UA | 435.85                         | 482.76 | 458.85                           |
| Aylesbury Vale              | 426.31                         | 491.82 | 458.19                           |
| Blaby                       | 415.15                         | 503.98 | 457.96                           |
| Erewash                     | 414.98                         | 496.85 | 454.54                           |
| Tendring                    | 419.48                         | 488.86 | 453.18                           |
| Dacorum                     | 416.62                         | 488.19 | 451.34                           |
| Harrow                      | 423.55                         | 479.16 | 450.71                           |
| Braintree                   | 415.95                         | 487.59 | 450.71                           |
| Eden                        | 392.59                         | 514.01 | 450.26                           |
| Colchester                  | 418.14                         | 480.44 | 448.48                           |
| Uttlesford                  | 399.35                         | 497.71 | 446.51                           |

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

| <b>Local authority</b>    | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|---------------------------|--------------------------------|--------|----------------------------------|
| Winchester                | 407.69                         | 486.69 | 445.88                           |
| Castle Point              | 402.41                         | 492.54 | 445.77                           |
| Woking                    | 402.87                         | 491.45 | 445.51                           |
| Ipswich                   | 407.77                         | 481.30 | 443.40                           |
| Craven                    | 388.19                         | 503.73 | 443.16                           |
| Chiltern                  | 397.80                         | 487.82 | 441.10                           |
| Bracknell Forest UA       | 399.46                         | 478.01 | 437.42                           |
| Windsor and Maidenhead UA | 402.83                         | 472.52 | 436.64                           |
| Melton                    | 376.59                         | 499.38 | 434.77                           |
| South Cambridgeshire      | 400.25                         | 469.93 | 434.05                           |
| Reading UA                | 401.91                         | 466.76 | 433.43                           |
| Breckland                 | 396.65                         | 469.17 | 431.77                           |
| Spelthorne                | 386.39                         | 472.81 | 427.97                           |
| East Northamptonshire     | 383.20                         | 473.88 | 426.75                           |
| Ryedale                   | 372.01                         | 487.06 | 426.65                           |
| Bexley                    | 398.07                         | 453.25 | 424.99                           |
| Three Rivers              | 381.12                         | 470.03 | 423.84                           |
| Daventry                  | 376.43                         | 470.29 | 421.42                           |
| Thurrock UA               | 389.35                         | 455.20 | 421.31                           |
| Tewkesbury                | 376.47                         | 468.88 | 420.78                           |
| Huntingdonshire           | 388.67                         | 452.89 | 419.86                           |
| Harborough                | 371.00                         | 461.75 | 414.52                           |
| Forest of Dean            | 363.72                         | 453.61 | 406.81                           |
| Stroud                    | 368.38                         | 445.87 | 405.74                           |
| Canterbury                | 374.52                         | 438.69 | 405.66                           |
| Ashford                   | 368.96                         | 444.74 | 405.53                           |
| St. Albans                | 371.86                         | 441.08 | 405.36                           |
| Brentwood                 | 357.60                         | 451.72 | 402.61                           |
| West Berkshire UA         | 363.45                         | 428.37 | 394.91                           |
| Elmbridge                 | 360.94                         | 431.11 | 394.86                           |
| East Hertfordshire        | 358.73                         | 427.64 | 392.05                           |
| Rutland UA                | 332.39                         | 457.39 | 391.19                           |
| Mid Bedfordshire          | 349.95                         | 418.30 | 382.98                           |
| Babergh                   | 339.87                         | 425.84 | 381.04                           |
| East Cambridgeshire       | 339.77                         | 425.87 | 381.01                           |
| Rochford                  | 337.37                         | 423.34 | 378.54                           |
| South Northamptonshire    | 335.12                         | 419.59 | 375.58                           |
| North Norfolk             | 337.37                         | 414.40 | 374.40                           |
| Bridgnorth                | 321.51                         | 429.54 | 372.62                           |
| Gedling                   | 334.97                         | 408.32 | 370.29                           |
| Runnymede                 | 327.53                         | 411.15 | 367.57                           |
| Welwyn Hatfield           | 331.70                         | 401.84 | 365.52                           |
| South Norfolk             | 317.78                         | 386.69 | 350.97                           |
| Broadland                 | 317.96                         | 386.35 | 350.91                           |
| Mid Suffolk               | 311.10                         | 388.81 | 348.34                           |
| Oswestry                  | 289.61                         | 409.39 | 345.66                           |
| Broxtowe                  | 301.91                         | 371.47 | 335.35                           |
| Waveney                   | 292.36                         | 358.43 | 324.14                           |
| Suffolk Coastal           | 280.86                         | 344.80 | 311.61                           |
| Rushcliffe                | 279.12                         | 346.15 | 311.29                           |
| Wokingham UA              | 284.05                         | 339.71 | 310.95                           |
| Kingston upon Thames      | 270.33                         | 322.89 | 295.74                           |

**Head injuries :**  
**Person-based rate per 100 000 population for each Local Authority**  
**sorted from highest to lowest, Males**

| <b>Local authority</b>    | <b>95% Confidence interval</b> |         | <b>indirect rate per 100,000</b> |
|---------------------------|--------------------------------|---------|----------------------------------|
| Liverpool                 | 1098.00                        | 1160.34 | 1128.84                          |
| Knowsley                  | 1060.08                        | 1170.85 | 1114.43                          |
| Halton UA                 | 1018.69                        | 1140.82 | 1078.46                          |
| Lincoln                   | 993.34                         | 1127.15 | 1058.66                          |
| St. Helens                | 943.29                         | 1039.27 | 990.41                           |
| Wansbeck                  | 871.80                         | 1030.54 | 948.69                           |
| Warrington UA             | 897.08                         | 984.95  | 940.24                           |
| Rochdale                  | 890.44                         | 975.21  | 932.10                           |
| Oldham                    | 889.10                         | 971.38  | 929.56                           |
| Salford                   | 887.07                         | 965.30  | 925.57                           |
| Derwentside               | 823.48                         | 951.56  | 885.79                           |
| Wirral                    | 846.35                         | 914.40  | 879.88                           |
| Easington                 | 811.29                         | 932.89  | 870.50                           |
| Hartlepool UA             | 794.98                         | 919.00  | 855.31                           |
| Blackpool UA              | 800.59                         | 898.76  | 848.61                           |
| North Tyneside            | 806.85                         | 890.32  | 847.82                           |
| Poole UA                  | 789.91                         | 886.49  | 837.15                           |
| Burnley                   | 771.14                         | 895.09  | 831.39                           |
| Calderdale                | 788.52                         | 870.20  | 828.61                           |
| Ellesmere Port and Neston | 765.00                         | 894.17  | 827.70                           |
| Sefton                    | 781.65                         | 851.43  | 815.98                           |
| Sunderland                | 782.27                         | 850.36  | 815.78                           |
| Chester-Le-Street         | 725.58                         | 884.24  | 801.98                           |
| Wakefield                 | 768.40                         | 831.62  | 799.54                           |
| Crewe and Nantwich        | 748.19                         | 851.92  | 798.79                           |
| Wigan                     | 762.33                         | 827.37  | 794.35                           |
| Preston                   | 744.00                         | 837.78  | 789.85                           |
| Blackburn with Darwen UA  | 743.24                         | 837.16  | 789.15                           |
| Manchester                | 759.24                         | 806.61  | 782.66                           |
| Hastings                  | 719.63                         | 840.02  | 778.08                           |
| Middlesbrough UA          | 731.51                         | 823.59  | 776.53                           |
| Blyth Valley              | 714.93                         | 841.57  | 776.32                           |
| Chester                   | 719.93                         | 820.92  | 769.18                           |
| Corby                     | 692.90                         | 842.56  | 765.00                           |
| Waltham Forest            | 729.26                         | 801.27  | 764.63                           |
| Tunbridge Wells           | 709.79                         | 817.57  | 762.26                           |
| West Lancashire           | 705.69                         | 812.11  | 757.50                           |
| Darlington UA             | 693.10                         | 803.16  | 746.61                           |
| Southampton UA            | 710.92                         | 778.15  | 743.96                           |
| Stockport                 | 703.17                         | 768.10  | 735.10                           |
| South Tyneside            | 690.00                         | 777.61  | 732.82                           |
| Leeds                     | 714.17                         | 751.49  | 732.65                           |
| Macclesfield              | 686.33                         | 774.92  | 729.62                           |
| Stockton-On-Tees UA       | 688.44                         | 766.61  | 726.73                           |
| Purbeck                   | 647.45                         | 808.32  | 724.56                           |
| Wear Valley               | 654.97                         | 793.83  | 721.91                           |
| Hyndburn                  | 663.86                         | 783.35  | 721.76                           |
| Hammersmith and Fulham    | 673.93                         | 754.66  | 713.44                           |
| Rossendale                | 644.33                         | 776.51  | 708.12                           |
| Boston                    | 640.77                         | 779.55  | 707.62                           |
| Bournemouth UA            | 666.65                         | 745.78  | 705.39                           |
| Barnsley                  | 668.24                         | 739.41  | 703.15                           |
| Torbay UA                 | 651.92                         | 742.56  | 696.13                           |
| Sandwell                  | 662.51                         | 723.76  | 692.63                           |
| Sedgefield                | 636.99                         | 751.75  | 692.59                           |
| Kirklees                  | 665.47                         | 717.15  | 690.95                           |
| Gateshead                 | 649.64                         | 725.62  | 686.84                           |
| Islington                 | 648.39                         | 722.51  | 684.70                           |
| Derby UA                  | 649.15                         | 714.13  | 681.06                           |
| Restormel                 | 627.31                         | 730.23  | 677.31                           |

**Head injuries :**  
**Person-based rate per 100 000 population for each Local Authority**  
**sorted from highest to lowest, Males**

| <b>Local authority</b>         | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|--------------------------------|--------------------------------|--------|----------------------------------|
| Pendle                         | 621.98                         | 731.95 | 675.29                           |
| Bradford                       | 652.85                         | 697.96 | 675.12                           |
| Kingston upon Hull, City of UA | 644.39                         | 706.59 | 674.95                           |
| Brighton and Hove UA           | 640.63                         | 704.04 | 671.77                           |
| Portsmouth UA                  | 635.56                         | 704.96 | 669.58                           |
| Carrick                        | 616.75                         | 724.31 | 668.92                           |
| Bury                           | 630.15                         | 707.06 | 667.77                           |
| North East Lincolnshire UA     | 627.20                         | 709.28 | 667.30                           |
| Chesterfield                   | 613.05                         | 716.31 | 663.18                           |
| Stoke-On-Trent UA              | 630.33                         | 696.44 | 662.77                           |
| Tameside                       | 628.01                         | 698.40 | 662.50                           |
| Coventry                       | 633.17                         | 689.18 | 660.73                           |
| Barrow-In-Furness              | 600.55                         | 723.90 | 660.07                           |
| Birmingham                     | 643.68                         | 674.71 | 659.06                           |
| Plymouth UA                    | 625.82                         | 687.86 | 656.29                           |
| Newham                         | 624.54                         | 687.43 | 655.42                           |
| Salisbury                      | 607.84                         | 702.18 | 653.73                           |
| Ealing                         | 624.42                         | 680.37 | 651.95                           |
| Peterborough UA                | 613.27                         | 690.28 | 650.92                           |
| Bristol, City of UA            | 621.10                         | 667.98 | 644.22                           |
| Kerrier                        | 594.71                         | 695.90 | 643.82                           |
| Durham                         | 592.56                         | 693.13 | 641.37                           |
| Richmondshire                  | 575.92                         | 708.62 | 639.71                           |
| Congleton                      | 584.88                         | 692.33 | 636.91                           |
| Leicester UA                   | 608.78                         | 665.02 | 636.44                           |
| Vale Royal                     | 585.76                         | 675.84 | 629.60                           |
| Redcar and Cleveland UA        | 586.08                         | 672.31 | 628.09                           |
| Gravesham                      | 577.76                         | 679.17 | 626.93                           |
| Exeter                         | 581.20                         | 670.70 | 624.75                           |
| Carlisle                       | 574.57                         | 673.19 | 622.42                           |
| Hambleton                      | 569.15                         | 676.53 | 621.11                           |
| Copeland                       | 562.37                         | 683.34 | 620.65                           |
| Oxford                         | 581.69                         | 658.10 | 619.01                           |
| North Devon                    | 568.13                         | 672.92 | 618.87                           |
| Havant                         | 572.63                         | 664.54 | 617.30                           |
| Newcastle upon Tyne            | 589.34                         | 645.28 | 616.83                           |
| Tonbridge and Malling          | 569.34                         | 661.79 | 614.27                           |
| Barking and Dagenham           | 577.90                         | 650.96 | 613.61                           |
| Stafford                       | 570.46                         | 658.87 | 613.48                           |
| Brent                          | 582.58                         | 643.15 | 612.30                           |
| Trafford                       | 574.64                         | 641.41 | 607.34                           |
| Hounslow                       | 572.57                         | 635.33 | 603.34                           |
| Nuneaton and Bedworth          | 558.71                         | 648.38 | 602.30                           |
| Eastbourne                     | 554.17                         | 652.60 | 601.88                           |
| Lancaster                      | 561.10                         | 642.86 | 600.94                           |
| Taunton Deane                  | 554.33                         | 648.49 | 600.03                           |
| East Staffordshire             | 552.45                         | 647.10 | 598.38                           |
| Dudley                         | 570.74                         | 626.87 | 598.31                           |
| Alnwick                        | 514.97                         | 691.29 | 598.31                           |
| Redbridge                      | 568.20                         | 627.33 | 597.21                           |
| Rotherham                      | 562.85                         | 624.40 | 593.02                           |
| Worcester                      | 540.96                         | 640.95 | 589.37                           |
| Lambeth                        | 559.12                         | 615.28 | 586.70                           |
| Cheltenham                     | 540.36                         | 629.23 | 583.53                           |
| Dartford                       | 534.91                         | 634.89 | 583.30                           |
| Redditch                       | 529.09                         | 639.40 | 582.29                           |
| Hackney                        | 549.26                         | 614.10 | 581.00                           |
| Slough UA                      | 538.62                         | 621.03 | 578.73                           |
| Arun                           | 539.53                         | 617.42 | 577.49                           |
| North Kesteven                 | 529.89                         | 623.84 | 575.43                           |

**Head injuries :**  
**Person-based rate per 100 000 population for each Local Authority**  
**sorted from highest to lowest, Males**

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Chorley                     | 529.06                         | 623.93 | 575.03                           |
| Chichester                  | 530.94                         | 621.68 | 574.97                           |
| Penwith                     | 517.02                         | 636.52 | 574.45                           |
| North Cornwall              | 523.94                         | 627.43 | 573.94                           |
| Kings Lynn and West Norfolk | 533.23                         | 612.94 | 572.05                           |
| Weymouth and Portland       | 514.85                         | 633.84 | 572.04                           |
| Epsom and Ewell             | 513.74                         | 626.86 | 568.20                           |
| Shrewsbury and Atcham       | 519.91                         | 617.49 | 567.13                           |
| Medway UA                   | 537.52                         | 597.29 | 566.81                           |
| Gosport                     | 515.80                         | 621.36 | 566.74                           |
| Scarborough                 | 521.98                         | 614.02 | 566.60                           |
| South Somerset              | 524.23                         | 599.71 | 561.02                           |
| Cherwell                    | 520.61                         | 601.35 | 559.89                           |
| Cannock Chase               | 511.67                         | 610.61 | 559.51                           |
| Castle Morpeth              | 494.31                         | 628.41 | 558.36                           |
| Doncaster                   | 529.77                         | 585.09 | 556.91                           |
| South Ribble                | 509.99                         | 601.61 | 554.38                           |
| Tower Hamlets               | 518.26                         | 576.84 | 546.96                           |
| Wandsworth                  | 518.47                         | 573.89 | 545.65                           |
| Caradon                     | 494.25                         | 598.09 | 544.32                           |
| Teignbridge                 | 502.86                         | 585.69 | 543.09                           |
| Southwark                   | 514.96                         | 568.37 | 541.17                           |
| Camden                      | 511.37                         | 571.49 | 540.80                           |
| Haringey                    | 509.85                         | 571.03 | 539.79                           |
| Worthing                    | 494.89                         | 586.26 | 539.13                           |
| Surrey Heath                | 488.39                         | 592.07 | 538.37                           |
| Maidstone                   | 500.47                         | 576.83 | 537.63                           |
| Lewisham                    | 508.87                         | 565.50 | 536.62                           |
| Thanet                      | 497.06                         | 578.09 | 536.43                           |
| Warwick                     | 497.82                         | 575.76 | 535.73                           |
| North Warwickshire          | 477.48                         | 598.05 | 535.24                           |
| Mole Valley                 | 485.81                         | 588.13 | 535.14                           |
| Rushmoor                    | 488.42                         | 583.80 | 534.52                           |
| Fenland                     | 486.71                         | 584.18 | 533.78                           |
| East Dorset                 | 486.16                         | 584.57 | 533.67                           |
| West Lindsey                | 484.53                         | 583.57 | 532.33                           |
| Hillingdon                  | 504.56                         | 560.84 | 532.15                           |
| Crawley                     | 489.49                         | 577.34 | 532.06                           |
| Havering                    | 500.41                         | 560.75 | 529.94                           |
| Sutton                      | 496.09                         | 562.84 | 528.68                           |
| Mansfield                   | 483.52                         | 576.31 | 528.39                           |
| Kettering                   | 481.14                         | 579.00 | 528.38                           |
| Staffordshire Moorlands     | 481.40                         | 577.81 | 527.96                           |
| Solihull                    | 496.25                         | 560.70 | 527.74                           |
| Telford and Wrekin UA       | 489.86                         | 562.37 | 525.18                           |
| Milton Keynes UA            | 493.81                         | 553.02 | 522.79                           |
| Gloucester                  | 482.11                         | 565.82 | 522.71                           |
| Watford                     | 474.35                         | 573.13 | 522.00                           |
| Wealden                     | 482.37                         | 559.79 | 520.00                           |
| Northampton                 | 486.73                         | 548.75 | 517.04                           |
| Tynedale                    | 457.54                         | 578.68 | 515.46                           |
| Sevenoaks                   | 471.38                         | 558.07 | 513.36                           |
| New Forest                  | 480.27                         | 548.04 | 513.32                           |
| Reigate and Banstead        | 473.50                         | 550.99 | 511.15                           |
| Allerdale                   | 463.43                         | 558.38 | 509.25                           |
| Tamworth                    | 456.92                         | 562.21 | 507.53                           |
| Newcastle-under-Lyme        | 467.92                         | 548.79 | 507.15                           |
| Croydon                     | 482.76                         | 531.07 | 506.48                           |
| North Dorset                | 452.61                         | 563.51 | 505.80                           |
| High Peak                   | 459.64                         | 553.82 | 505.09                           |

**Head injuries :**  
**Person-based rate per 100 000 population for each Local Authority**  
**sorted from highest to lowest, Males**

| <b>Local authority</b>       | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|------------------------------|--------------------------------|--------|----------------------------------|
| Selby                        | 454.45                         | 555.51 | 503.09                           |
| Wellingborough               | 451.69                         | 555.76 | 501.71                           |
| Mid Devon                    | 450.82                         | 555.01 | 500.89                           |
| Bolsover                     | 449.81                         | 555.08 | 500.38                           |
| Mendip                       | 457.63                         | 543.96 | 499.40                           |
| Harlow                       | 451.30                         | 550.40 | 499.02                           |
| Teesdale                     | 411.82                         | 597.77 | 498.38                           |
| Kennet                       | 448.10                         | 546.77 | 495.61                           |
| Adur                         | 440.81                         | 554.84 | 495.38                           |
| Swale                        | 457.57                         | 535.23 | 495.26                           |
| Bassetlaw                    | 453.59                         | 538.19 | 494.54                           |
| Lichfield                    | 450.11                         | 541.66 | 494.31                           |
| Lewes                        | 449.95                         | 540.38 | 493.62                           |
| South Lakeland               | 450.38                         | 538.74 | 493.08                           |
| Bath and North East Somerset | 461.11                         | 525.64 | 492.58                           |
| South Oxfordshire            | 454.59                         | 532.82 | 492.54                           |
| Swindon UA                   | 461.86                         | 524.38 | 492.38                           |
| Barnet                       | 468.48                         | 515.93 | 491.78                           |
| Stevenage                    | 443.38                         | 541.70 | 490.71                           |
| Guildford                    | 454.18                         | 528.75 | 490.41                           |
| Rugby                        | 445.60                         | 537.46 | 489.92                           |
| Luton UA                     | 460.10                         | 520.85 | 489.77                           |
| Rother                       | 443.22                         | 536.94 | 488.41                           |
| Bolton                       | 461.48                         | 515.56 | 487.96                           |
| Fareham                      | 447.66                         | 530.90 | 487.95                           |
| Epping Forest                | 449.10                         | 529.10 | 487.87                           |
| Fylde                        | 438.45                         | 539.79 | 487.16                           |
| Ribble Valley                | 427.71                         | 547.26 | 484.74                           |
| Vale of White Horse          | 443.85                         | 524.20 | 482.77                           |
| Broxbourne                   | 436.44                         | 530.07 | 481.55                           |
| Amber Valley                 | 442.29                         | 523.30 | 481.52                           |
| West Dorset                  | 438.00                         | 527.74 | 481.31                           |
| South Derbyshire             | 436.24                         | 528.12 | 480.54                           |
| Eastleigh                    | 441.57                         | 521.90 | 480.48                           |
| Kensington and Chelsea       | 447.55                         | 514.77 | 480.28                           |
| Southend-On-Sea UA           | 446.53                         | 514.48 | 479.60                           |
| Norwich                      | 444.36                         | 514.66 | 478.54                           |
| West Wiltshire               | 440.56                         | 518.74 | 478.45                           |
| West Oxfordshire             | 436.42                         | 523.12 | 478.30                           |
| Wyre Forest                  | 434.00                         | 523.58 | 477.22                           |
| South Hams                   | 430.00                         | 526.45 | 476.40                           |
| St. Edmundsbury              | 435.03                         | 520.37 | 476.27                           |
| East Devon                   | 438.36                         | 513.40 | 474.77                           |
| Bedford                      | 440.66                         | 509.50 | 474.14                           |
| Wyre                         | 432.71                         | 515.84 | 472.91                           |
| South Holland                | 426.11                         | 521.69 | 472.10                           |
| North Lincolnshire UA        | 437.23                         | 506.19 | 470.76                           |
| Bromsgrove                   | 426.52                         | 517.43 | 470.34                           |
| Mid Sussex                   | 432.90                         | 509.37 | 469.98                           |
| Greenwich                    | 440.80                         | 497.81 | 468.65                           |
| Torridge                     | 416.47                         | 525.23 | 468.50                           |
| Derbyshire Dales             | 418.04                         | 523.03 | 468.34                           |
| West Devon                   | 409.11                         | 531.49 | 467.32                           |
| Nottingham UA                | 442.80                         | 489.98 | 465.95                           |
| East Hampshire               | 424.59                         | 507.06 | 464.46                           |
| Merton                       | 435.22                         | 494.63 | 464.21                           |
| Bromley                      | 439.78                         | 489.06 | 463.93                           |
| Walsall                      | 436.75                         | 490.47 | 463.03                           |
| Herefordshire, County of UA  | 431.39                         | 496.28 | 462.98                           |
| Wolverhampton                | 435.73                         | 490.32 | 462.42                           |

**Head injuries :**  
**Person-based rate per 100 000 population for each Local Authority**  
**sorted from highest to lowest, Males**

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Westminster                 | 436.45                         | 488.62 | 461.98                           |
| North Shropshire            | 408.96                         | 518.77 | 461.43                           |
| Chelmsford                  | 428.78                         | 495.05 | 461.02                           |
| Harrogate                   | 425.22                         | 493.62 | 458.47                           |
| North West Leicestershire   | 414.48                         | 505.74 | 458.42                           |
| Isle of Wight UA            | 422.50                         | 495.09 | 457.72                           |
| East Lindsey                | 422.42                         | 494.86 | 457.57                           |
| Cambridge                   | 422.86                         | 494.32 | 457.54                           |
| West Somerset               | 388.25                         | 533.72 | 456.69                           |
| South Bucks                 | 405.04                         | 511.02 | 455.73                           |
| Stratford-On-Avon           | 416.61                         | 497.17 | 455.56                           |
| Hinckley and Bosworth       | 413.46                         | 498.28 | 454.39                           |
| Basingstoke and Deane       | 421.27                         | 488.78 | 454.09                           |
| South Gloucestershire UA    | 428.09                         | 480.16 | 453.57                           |
| Sheffield                   | 435.88                         | 471.06 | 453.22                           |
| Enfield                     | 428.27                         | 477.74 | 452.50                           |
| Berwick-upon-Tweed          | 371.70                         | 543.19 | 451.43                           |
| Ashfield                    | 412.14                         | 492.00 | 450.75                           |
| Test Valley                 | 410.63                         | 492.39 | 450.12                           |
| Dover                       | 409.85                         | 493.11 | 450.04                           |
| North Somerset UA           | 421.01                         | 479.28 | 449.44                           |
| Waverley                    | 411.47                         | 489.26 | 449.11                           |
| Malvern Hills               | 401.10                         | 499.39 | 448.24                           |
| Hertsmere                   | 407.10                         | 492.30 | 448.19                           |
| North East Derbyshire       | 405.28                         | 491.99 | 447.07                           |
| Hart                        | 402.68                         | 492.36 | 445.84                           |
| Horsham                     | 406.25                         | 481.26 | 442.56                           |
| Maldon                      | 390.54                         | 499.46 | 442.51                           |
| Tandridge                   | 397.02                         | 490.97 | 442.14                           |
| Christchurch                | 384.31                         | 505.43 | 441.78                           |
| York UA                     | 413.22                         | 471.78 | 441.78                           |
| Wycombe                     | 407.94                         | 473.87 | 439.98                           |
| Charnwood                   | 408.02                         | 471.17 | 438.74                           |
| South Shropshire            | 376.00                         | 506.84 | 437.80                           |
| Richmond upon Thames        | 407.63                         | 469.36 | 437.68                           |
| Sedgemoor                   | 397.94                         | 477.54 | 436.38                           |
| Basildon                    | 403.79                         | 467.38 | 434.71                           |
| Newark and Sherwood         | 395.60                         | 475.30 | 434.08                           |
| North Hertfordshire         | 397.39                         | 472.67 | 433.81                           |
| Craven                      | 378.72                         | 493.15 | 433.12                           |
| East Riding of Yorkshire UA | 409.89                         | 455.48 | 432.23                           |
| South Bedfordshire          | 392.73                         | 469.86 | 430.00                           |
| Uttlesford                  | 381.08                         | 477.30 | 427.17                           |
| Shepway                     | 386.45                         | 469.58 | 426.50                           |
| Oadby and Wigston           | 375.25                         | 480.83 | 425.60                           |
| South Staffordshire         | 384.76                         | 466.33 | 424.08                           |
| South Kesteven              | 388.15                         | 460.92 | 423.37                           |
| Wychavon                    | 384.96                         | 461.97 | 422.15                           |
| Great Yarmouth              | 381.14                         | 464.72 | 421.38                           |
| Colchester                  | 391.38                         | 451.73 | 420.75                           |
| Aylesbury Vale              | 390.22                         | 452.99 | 420.73                           |
| Braintree                   | 386.79                         | 456.01 | 420.33                           |
| Forest Heath                | 371.93                         | 473.25 | 420.32                           |
| Erewash                     | 382.23                         | 461.03 | 420.25                           |
| Winchester                  | 382.94                         | 459.64 | 419.98                           |
| Dacorum                     | 385.42                         | 454.40 | 418.85                           |
| Eden                        | 363.05                         | 480.40 | 418.67                           |
| Cotswold                    | 373.20                         | 463.57 | 416.56                           |
| North Wiltshire             | 381.67                         | 453.23 | 416.30                           |
| Harrow                      | 389.19                         | 442.56 | 415.23                           |

**Head injuries :**  
**Person-based rate per 100 000 population for each Local Authority**  
**sorted from highest to lowest, Males**

| <b>Local authority</b>    | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|---------------------------|--------------------------------|--------|----------------------------------|
| Woking                    | 374.01                         | 459.53 | 415.13                           |
| Chiltern                  | 372.31                         | 459.58 | 414.23                           |
| Bracknell Forest UA       | 376.90                         | 453.28 | 413.77                           |
| Tendring                  | 381.00                         | 447.39 | 413.20                           |
| Windsor and Maidenhead UA | 380.01                         | 447.76 | 412.85                           |
| Ipswich                   | 374.03                         | 444.59 | 408.17                           |
| Blaby                     | 366.78                         | 450.65 | 407.10                           |
| South Cambridgeshire      | 372.96                         | 440.35 | 405.61                           |
| Daventry                  | 357.97                         | 449.69 | 401.88                           |
| Castle Point              | 360.23                         | 445.89 | 401.36                           |
| Reading UA                | 369.52                         | 431.81 | 399.75                           |
| Melton                    | 342.92                         | 460.70 | 398.58                           |
| Breckland                 | 363.95                         | 433.64 | 397.65                           |
| Three Rivers              | 355.51                         | 441.59 | 396.81                           |
| East Northamptonshire     | 353.04                         | 440.30 | 394.87                           |
| Bexley                    | 367.58                         | 420.67 | 393.46                           |
| Tewkesbury                | 350.40                         | 439.86 | 393.24                           |
| Thurrock UA               | 358.44                         | 421.70 | 389.11                           |
| Huntingdonshire           | 353.86                         | 415.30 | 383.66                           |
| Stroud                    | 346.38                         | 421.71 | 382.66                           |
| Spelthorne                | 340.69                         | 422.23 | 379.83                           |
| Harborough                | 338.17                         | 425.15 | 379.81                           |
| Ryedale                   | 327.47                         | 436.16 | 378.92                           |
| Brentwood                 | 331.86                         | 422.84 | 375.30                           |
| Forest of Dean            | 332.22                         | 418.48 | 373.50                           |
| Ashford                   | 335.29                         | 407.71 | 370.18                           |
| East Hertfordshire        | 334.54                         | 401.23 | 366.75                           |
| Canterbury                | 336.59                         | 397.58 | 366.14                           |
| St. Albans                | 331.94                         | 397.51 | 363.62                           |
| West Berkshire UA         | 332.02                         | 394.20 | 362.11                           |
| Babergh                   | 319.48                         | 403.08 | 359.47                           |
| Mid Bedfordshire          | 327.19                         | 393.42 | 359.16                           |
| Rochford                  | 316.81                         | 400.36 | 356.77                           |
| South Northamptonshire    | 317.28                         | 399.66 | 356.70                           |
| Bridgnorth                | 306.14                         | 411.97 | 356.14                           |
| Rutland UA                | 297.81                         | 416.75 | 353.58                           |
| East Cambridgeshire       | 313.35                         | 396.31 | 353.01                           |
| Elmbridge                 | 319.96                         | 386.25 | 351.94                           |
| Gedling                   | 316.23                         | 387.69 | 350.60                           |
| North Norfolk             | 306.39                         | 380.21 | 341.81                           |
| Runnymede                 | 293.99                         | 373.59 | 332.01                           |
| Welwyn Hatfield           | 295.01                         | 361.39 | 326.94                           |
| Broxtowe                  | 287.85                         | 355.97 | 320.56                           |
| Mid Suffolk               | 283.72                         | 358.25 | 319.36                           |
| Oswestry                  | 264.13                         | 379.20 | 317.81                           |
| South Norfolk             | 281.61                         | 346.80 | 312.94                           |
| Broadland                 | 277.01                         | 341.23 | 307.87                           |
| Wokingham UA              | 268.21                         | 322.37 | 294.36                           |
| Waveney                   | 261.37                         | 324.14 | 291.49                           |
| Suffolk Coastal           | 260.25                         | 322.03 | 289.92                           |
| Rushcliffe                | 257.04                         | 321.59 | 287.97                           |
| Kingston upon Thames      | 249.41                         | 300.02 | 273.84                           |

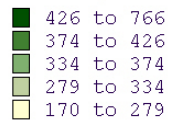
Head injuries: spells: females

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

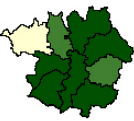
Principal diagnosis on admission or discharge: 2009-2011

All admissions

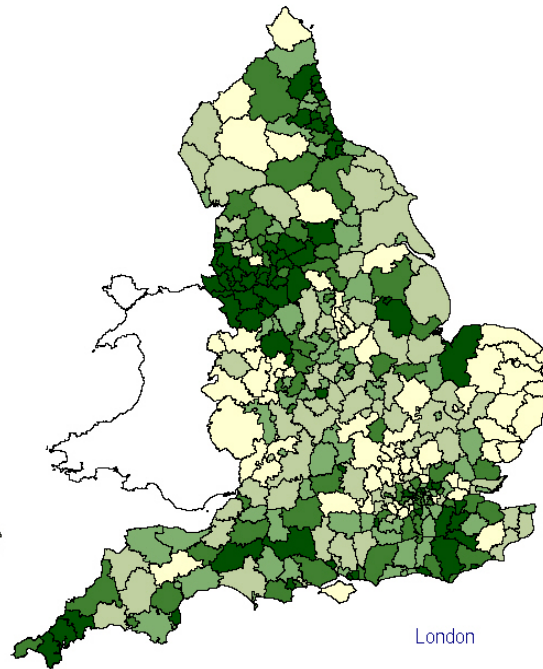
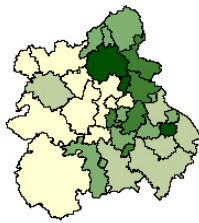
Quintile range of rates



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.*

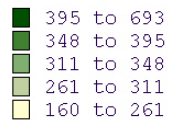
Head injuries: : People (per year per la): females

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

Principal diagnosis on admission or discharge: 2009-2011

All admissions

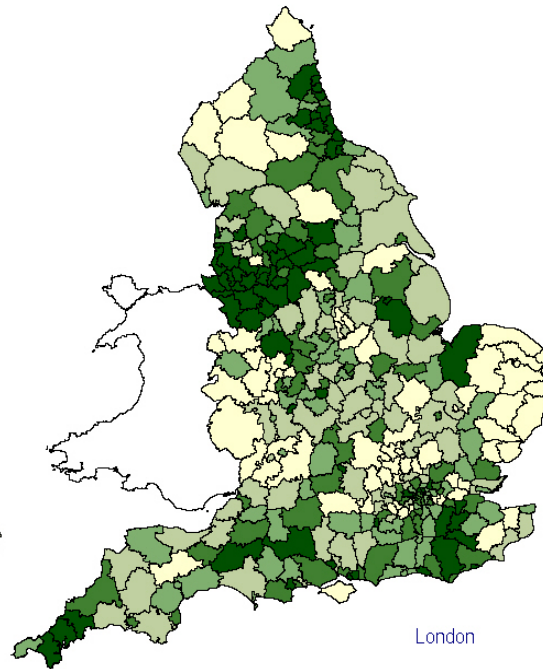
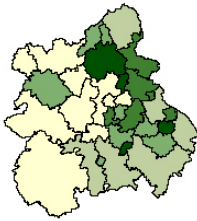
Quintile range of rates



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.*

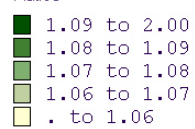
# Head injuries: ratios: females

Number of spells per person: each local authority in England

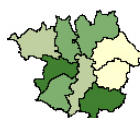
Principal diagnosis on admission or discharge: 2009-2011

All admissions

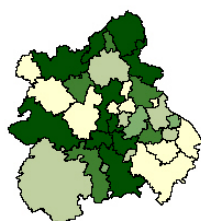
Ratios



Manchester



West Midlands

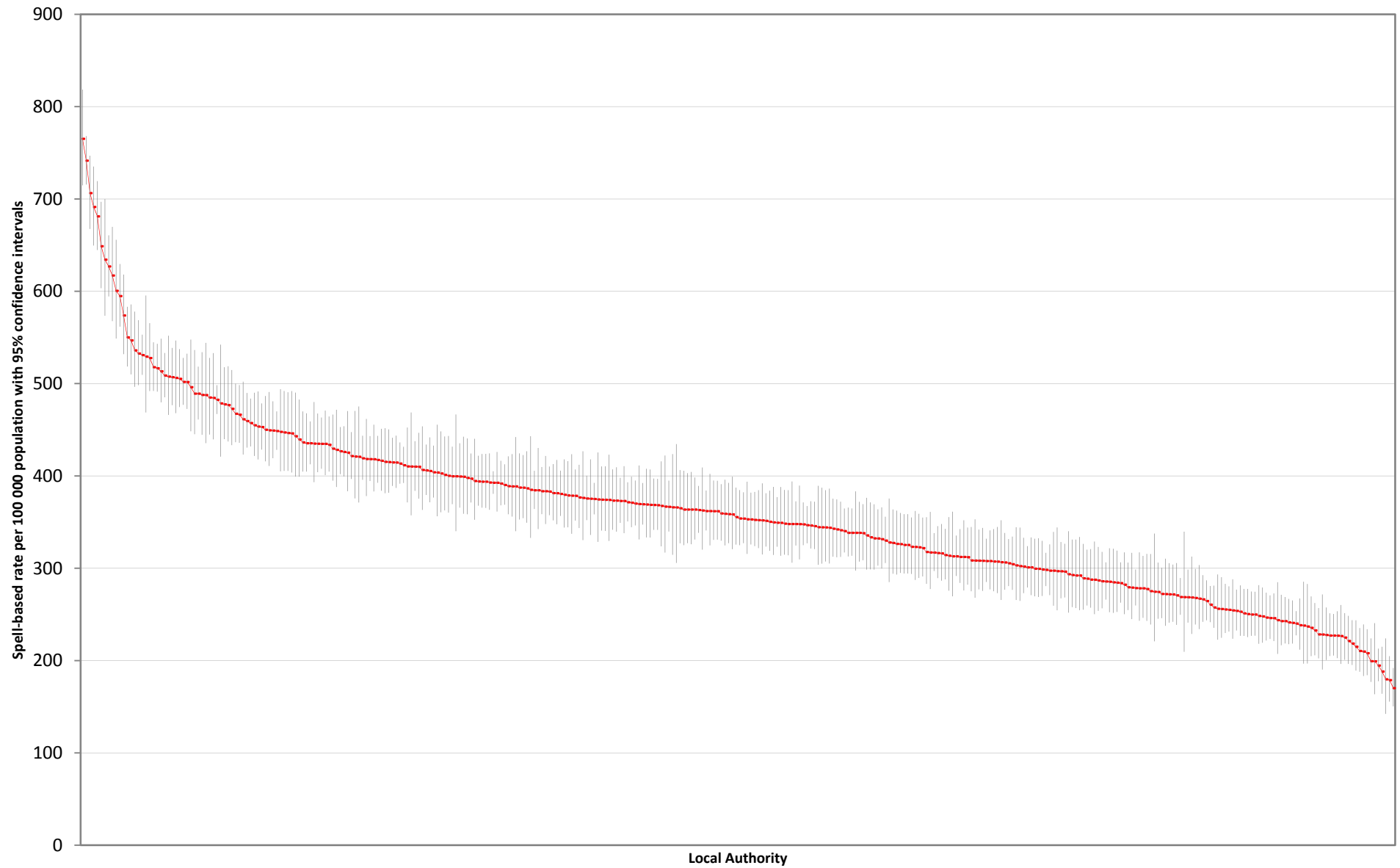


London

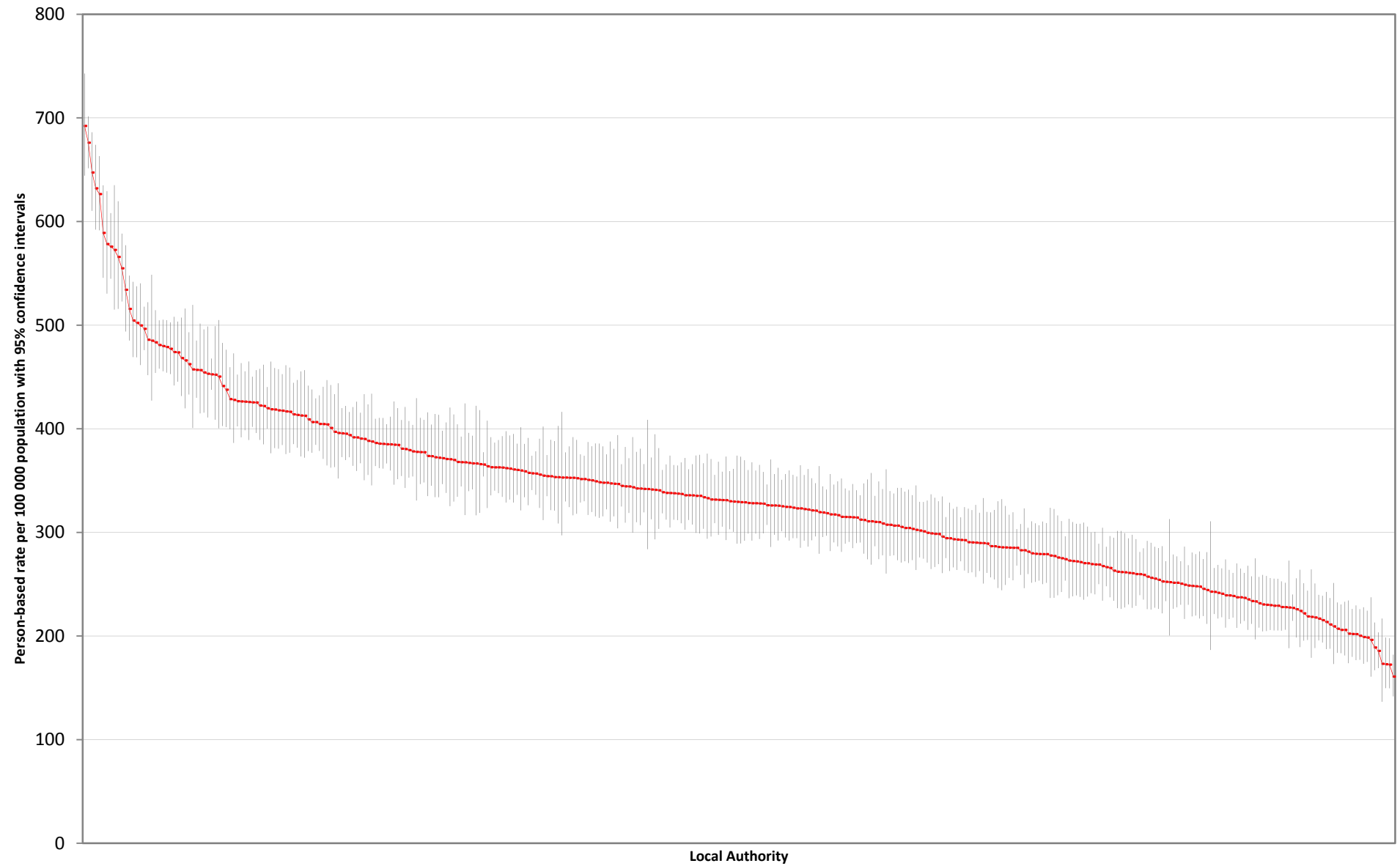


*This work is based on data provided through EDINA UKBORDERS with the support of the ESRC and JISC and uses boundary material which is copyright of the Crown.*

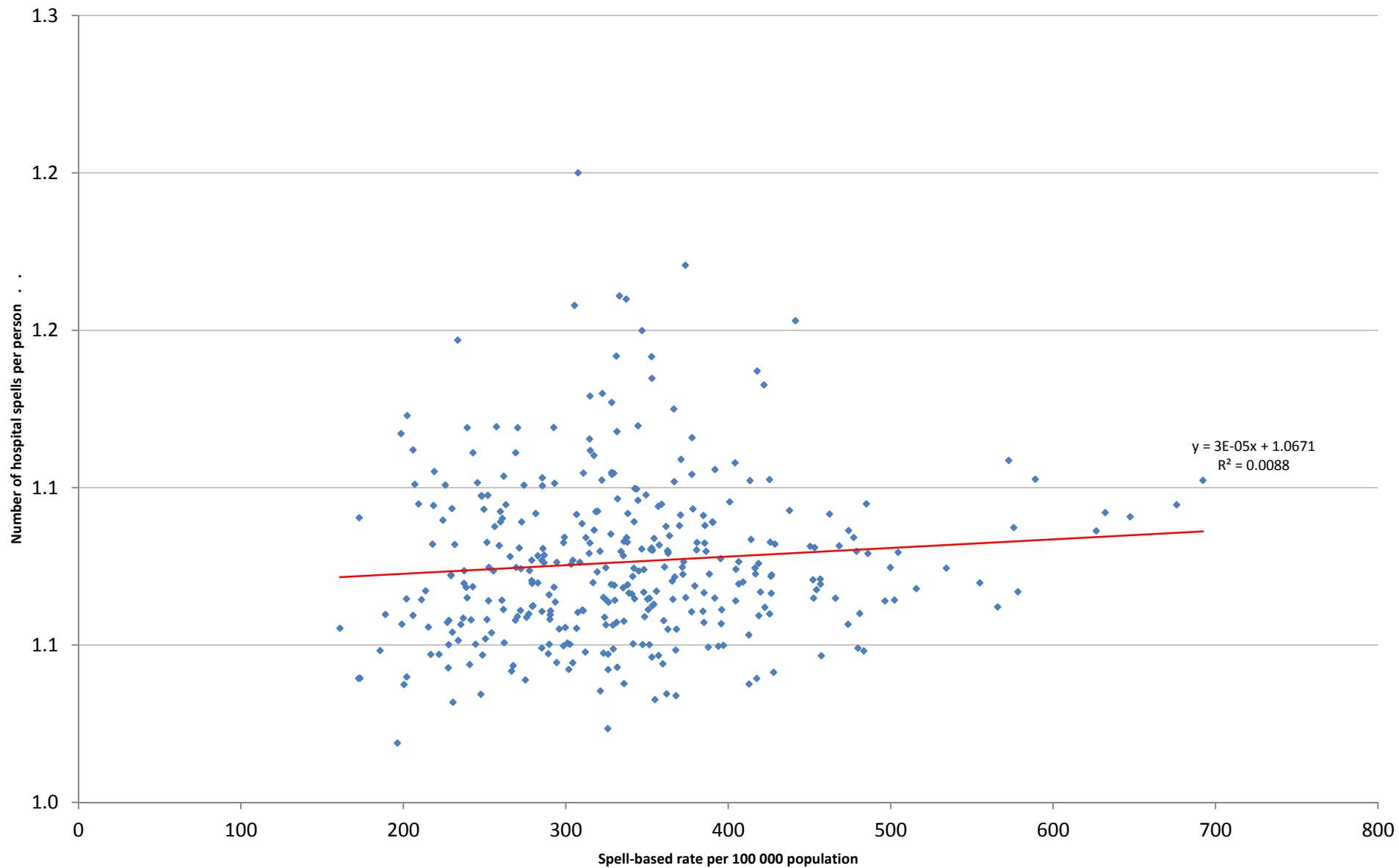
Head injuries : Spell-based rate per 100 000 population for each Local Authority , Females



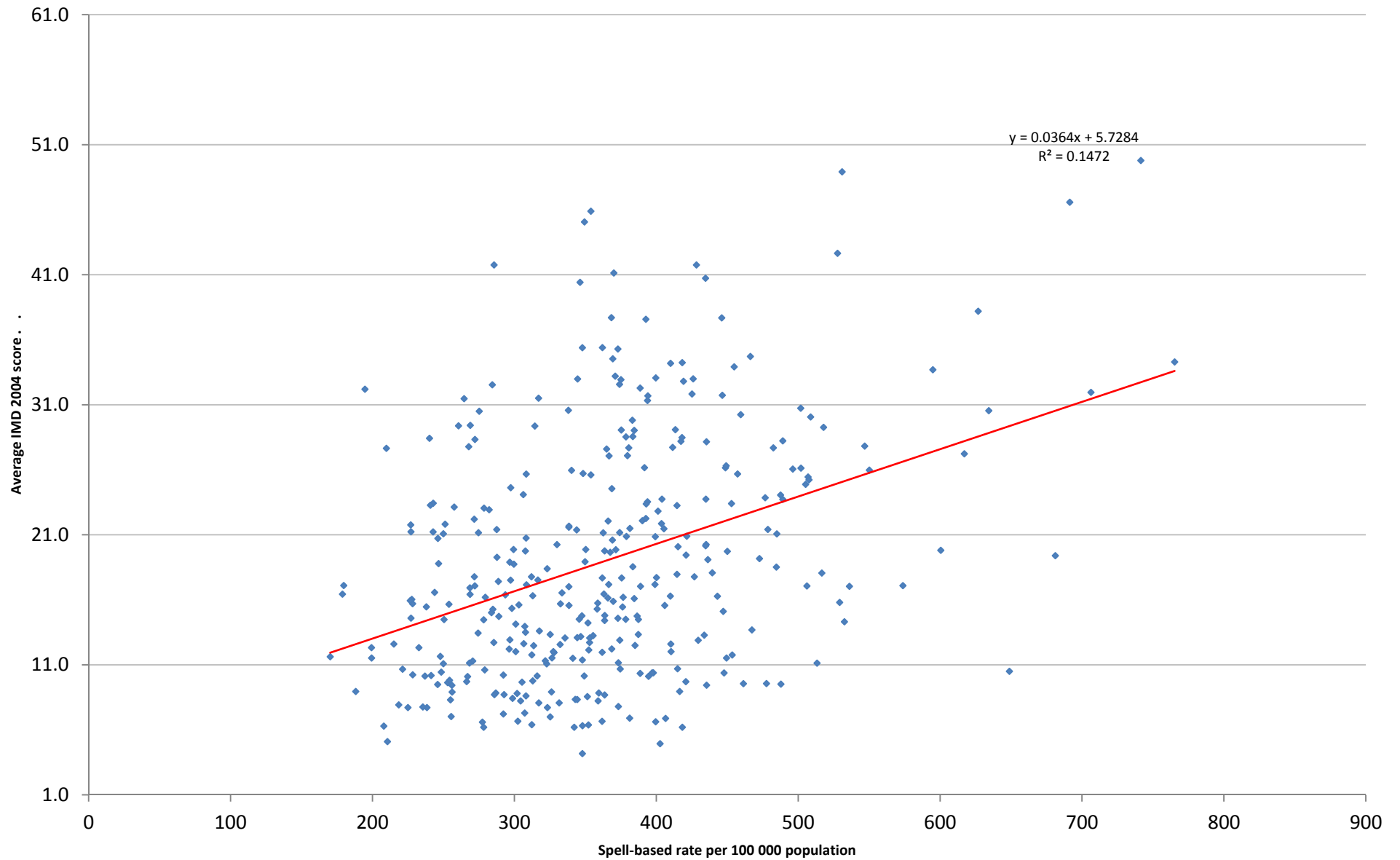
Head injuries : Person-based rate per 100 000 population for each Local Authority , Females



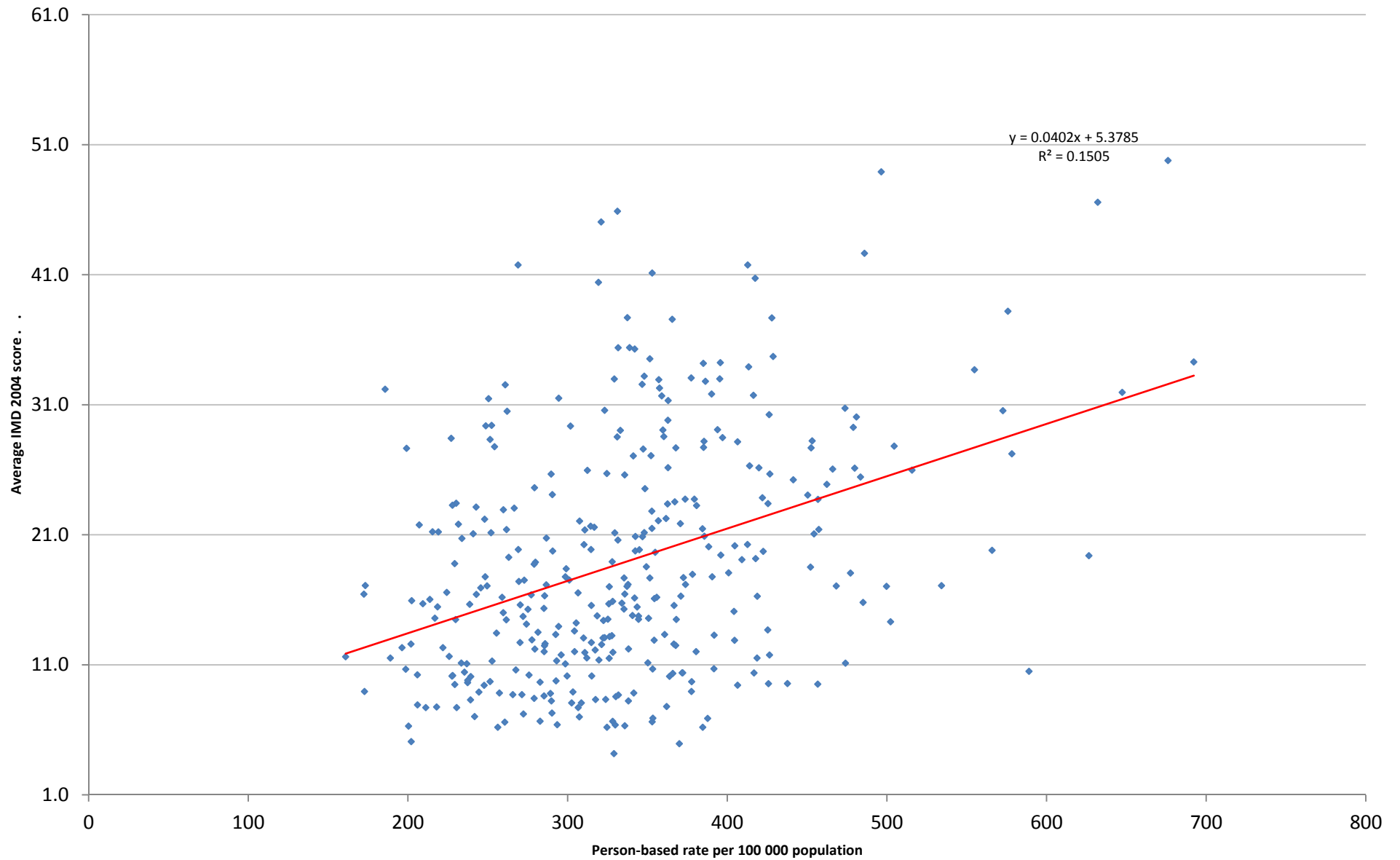
Head injuries : number of spells plotted against the person-based rate for each Local Authority , Females



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



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



| HES data 2009-2011: CIPS file v1Eng |                                 |                            |      |     | Head injuriesall ages, Females |           |                           |                         |        |         |                           |                         |     | Ratio of spells to people |
|-------------------------------------|---------------------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------|-------------------------|--------|---------|---------------------------|-------------------------|-----|---------------------------|
|                                     |                                 |                            |      |     | CIPS                           |           |                           |                         |        | People  |                           |                         |     |                           |
| Label                               | Local authority                 | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |     |                           |
| N/A                                 | ALL ENGLAND                     |                            |      |     | 196604                         | 196604.00 | 372.50                    | 370.85 374.15           | 182928 | #####   | 346.59                    | 345.00 348.18           | 1.1 |                           |
| 45UB                                | Adur                            | 17.0 Q19                   | J    |     | 247                            | 271.88    | 338.41                    | 297.51 383.35           | 237    | 251.89  | 326.10                    | 285.90 370.37           | 1.0 |                           |
| 16UB                                | Allerdale                       | 22.9 Q13                   | B    |     | 281                            | 370.89    | 282.22                    | 250.18 317.22           | 258    | 344.18  | 259.80                    | 229.06 293.52           | 1.1 |                           |
| 35UB                                | Alnwick                         | 16.1 Q09                   | A    |     | 130                            | 132.35    | 365.90                    | 305.70 434.48           | 121    | 122.64  | 341.95                    | 283.73 408.59           | 1.1 |                           |
| 17UB                                | Amber Valley                    | 18.9 Q24                   | E    |     | 374                            | 469.46    | 296.75                    | 267.44 328.41           | 352    | 435.95  | 279.84                    | 251.37 310.66           | 1.1 |                           |
| 45UC                                | Arun                            | 15.6 Q19                   | J    |     | 683                            | 751.70    | 338.45                    | 313.54 364.82           | 631    | 694.56  | 314.87                    | 290.78 340.43           | 1.1 |                           |
| 37UB                                | Ashfield                        | 27.8 Q24                   | E    |     | 313                            | 435.20    | 267.90                    | 239.04 299.29           | 297    | 404.86  | 254.25                    | 226.15 284.87           | 1.1 |                           |
| 29UB                                | Ashford                         | 13.4 Q18                   | J    |     | 321                            | 435.71    | 274.43                    | 245.22 306.15           | 299    | 405.66  | 255.46                    | 227.32 286.12           | 1.1 |                           |
| 11UB                                | Aylesbury Vale                  | 8.3 Q16                    | J    |     | 426                            | 622.29    | 255.00                    | 231.36 280.40           | 400    | 579.53  | 239.22                    | 216.34 263.85           | 1.1 |                           |
| 42UB                                | Babergh                         | 11.3 Q01                   | G    |     | 259                            | 356.50    | 270.62                    | 238.66 305.67           | 241    | 330.51  | 252.72                    | 221.82 286.73           | 1.1 |                           |
| 00AB                                | Barking and Dagenham            | 31.3 Q06                   | H    |     | 709                            | 670.63    | 393.81                    | 365.35 423.90           | 657    | 627.29  | 363.00                    | 335.77 391.85           | 1.1 |                           |
| 00AC                                | Barnet                          | 16.1 Q05                   | H    |     | 1344                           | 1302.10   | 384.48                    | 364.20 405.60           | 1240   | 1212.90 | 354.33                    | 334.88 374.62           | 1.1 |                           |
| 00CC                                | Barnsley                        | 33.0 Q23                   | D    |     | 960                            | 839.43    | 426.00                    | 399.47 453.82           | 891    | 781.21  | 395.29                    | 369.76 422.12           | 1.1 |                           |
| 16UC                                | Barrow-In-Furness               | 33.0 Q13                   | B    |     | 258                            | 278.93    | 344.54                    | 303.78 389.25           | 246    | 258.96  | 329.24                    | 289.38 373.06           | 1.0 |                           |
| 22UB                                | Basildon                        | 20.7 Q03                   | G    |     | 429                            | 649.28    | 246.12                    | 223.38 270.55           | 408    | 604.85  | 233.79                    | 211.65 257.61           | 1.1 |                           |
| 24UB                                | Basingstoke and Deane           | 8.8 Q17                    | J    |     | 542                            | 561.65    | 359.47                    | 329.84 391.04           | 516    | 523.73  | 341.47                    | 312.64 372.25           | 1.1 |                           |
| 37UC                                | Bassetlaw                       | 25.7 Q24                   | E    |     | 389                            | 415.90    | 348.40                    | 314.64 384.81           | 362    | 386.52  | 324.60                    | 292.02 359.82           | 1.1 |                           |
| 00HA                                | Bath and North East Somerset UA | 12.2 Q20                   | K    |     | 690                            | 697.33    | 368.58                    | 341.59 397.14           | 632    | 647.74  | 338.17                    | 312.31 365.59           | 1.1 |                           |
| 09UD                                | Bedford                         | 17.5 Q02                   | G    |     | 498                            | 586.00    | 316.56                    | 289.36 345.63           | 474    | 545.68  | 301.06                    | 274.56 329.42           | 1.1 |                           |
| 35UC                                | Berwick-upon-Tweed              | 21.2 Q09                   | A    |     | 90                             | 122.06    | 274.65                    | 220.85 337.60           | 82     | 112.76  | 252.04                    | 200.45 312.85           | 1.1 |                           |
| 00AD                                | Bexley                          | 15.0 Q07                   | H    |     | 662                            | 868.66    | 283.88                    | 262.66 306.35           | 606    | 808.78  | 259.69                    | 239.42 281.21           | 1.1 |                           |
| 00CN                                | Birmingham                      | 37.6 Q27                   | F    |     | 4019                           | 3812.23   | 392.70                    | 380.65 405.03           | 3755   | 3560.32 | 365.54                    | 353.94 377.42           | 1.1 |                           |
| 31UB                                | Blaby                           | 8.7 Q25                    | E    |     | 341                            | 349.35    | 363.59                    | 326.02 404.31           | 311    | 324.82  | 331.84                    | 295.98 370.85           | 1.1 |                           |
| 00EX                                | Blackburn with Darwen UA        | 32.3 Q13                   | B    |     | 516                            | 494.51    | 388.68                    | 355.87 423.72           | 477    | 462.36  | 357.56                    | 326.18 391.13           | 1.1 |                           |
| 00EY                                | Blackpool UA                    | 33.9 Q13                   | B    |     | 690                            | 564.98    | 454.92                    | 421.61 490.17           | 626    | 524.79  | 413.43                    | 381.67 447.12           | 1.1 |                           |
| 35UD                                | Blyth Valley                    | 26.1 Q09                   | A    |     | 394                            | 295.77    | 496.21                    | 448.41 547.71           | 370    | 275.18  | 466.00                    | 419.72 515.99           | 1.1 |                           |
| 17UC                                | Bolsover                        | 30.5 Q24                   | E    |     | 207                            | 280.16    | 275.22                    | 239.00 315.38           | 197    | 260.48  | 262.13                    | 226.80 301.40           | 1.1 |                           |
| 00BL                                | Bolton                          | 29.4 Q14                   | B    |     | 714                            | 988.88    | 268.95                    | 249.58 289.43           | 671    | 921.37  | 252.41                    | 233.67 272.25           | 1.1 |                           |
| 32UB                                | Boston                          | 21.9 Q24                   | E    |     | 263                            | 242.68    | 403.68                    | 356.36 455.54           | 241    | 225.35  | 370.65                    | 325.33 420.53           | 1.1 |                           |
| 00HN                                | Bournemouth UA                  | 23.7 Q22                   | K    |     | 808                            | 745.05    | 403.97                    | 376.59 432.81           | 756    | 690.56  | 379.43                    | 352.86 407.47           | 1.1 |                           |
| 00MA                                | Bracknell Forest UA             | 8.6 Q16                    | J    |     | 322                            | 389.23    | 308.16                    | 275.41 343.72           | 299    | 363.33  | 285.22                    | 253.81 319.46           | 1.1 |                           |
| 00CX                                | Bradford                        | 32.9 Q12                   | D    |     | 1884                           | 1870.92   | 375.10                    | 358.35 392.43           | 1800   | 1746.98 | 357.10                    | 340.80 373.99           | 1.0 |                           |
| 22UC                                | Braintree                       | 13.2 Q03                   | G    |     | 522                            | 546.96    | 355.49                    | 325.65 387.34           | 481    | 508.67  | 327.73                    | 299.09 358.37           | 1.1 |                           |

| HES data 2009-2011: CIPS file v1Eng |                      |                            |      |     | Head injuriesall ages, Females |           |                           |                         |        |        |         |                           |                         |        |                           |
|-------------------------------------|----------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------|---------------------------|-------------------------|--------|---------------------------|
|                                     |                      |                            |      |     | CIPS                           |           |                           |                         |        | People |         |                           |                         |        |                           |
| Label                               | Local authority      | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect rate per 100,000 | 95% Confidence interval |        | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |        | Ratio of spells to people |
| N/A                                 | ALL ENGLAND          |                            |      |     | 196604                         | 196604.00 | 372.50                    | 370.85                  | 374.15 | 182928 | #####   | 346.59                    | 345.00                  | 348.18 | 1.1                       |
| 33UB                                | Breckland            | 14.5                       | Q01  | G   | 363                            | 539.87    | 250.46                    | 225.35                  | 277.60 | 332    | 500.57  | 229.87                    | 205.81                  | 255.98 | 1.1                       |
| 00AE                                | Brent                | 26.0                       | Q04  | H   | 799                            | 874.54    | 340.32                    | 317.13                  | 364.76 | 737    | 817.64  | 312.40                    | 290.25                  | 335.80 | 1.1                       |
| 22UD                                | Brentwood            | 8.9                        | Q03  | G   | 209                            | 303.95    | 256.13                    | 222.58                  | 293.32 | 199    | 282.13  | 244.47                    | 211.68                  | 280.90 | 1.1                       |
| 39UB                                | Bridgnorth           | 12.3                       | Q26  | F   | 108                            | 201.86    | 199.29                    | 163.48                  | 240.62 | 106    | 187.16  | 196.29                    | 160.71                  | 237.42 | 1.0                       |
| 00ML                                | Brighton and Hove UA | 25.7                       | Q19  | J   | 1216                           | 990.49    | 457.30                    | 431.96                  | 483.75 | 1134   | 921.05  | 426.72                    | 402.24                  | 452.29 | 1.1                       |
| 00HB                                | Bristol, City of UA  | 27.7                       | Q20  | K   | 1713                           | 1550.36   | 411.57                    | 392.31                  | 431.54 | 1606   | 1445.24 | 385.14                    | 366.53                  | 404.45 | 1.1                       |
| 33UC                                | Broadland            | 9.6                        | Q01  | G   | 338                            | 497.60    | 253.02                    | 226.76                  | 281.49 | 316    | 461.36  | 237.39                    | 211.93                  | 265.06 | 1.1                       |
| 00AF                                | Bromley              | 13.2                       | Q07  | H   | 1154                           | 1239.68   | 346.75                    | 327.03                  | 367.35 | 1085   | 1152.46 | 326.30                    | 307.17                  | 346.31 | 1.1                       |
| 47UB                                | Bromsgrove           | 10.1                       | Q28  | F   | 348                            | 371.15    | 349.27                    | 313.53                  | 387.96 | 313    | 344.30  | 315.08                    | 281.13                  | 351.99 | 1.1                       |
| 26UB                                | Broxbourne           | 14.7                       | Q02  | G   | 261                            | 336.30    | 289.09                    | 255.07                  | 326.37 | 246    | 313.32  | 272.11                    | 239.17                  | 308.33 | 1.1                       |
| 37UD                                | Broxtowe             | 16.0                       | Q24  | E   | 254                            | 415.49    | 227.72                    | 200.57                  | 257.51 | 238    | 386.01  | 213.69                    | 187.40                  | 242.64 | 1.1                       |
| 30UD                                | Burnley              | 31.8                       | Q13  | B   | 379                            | 332.00    | 425.22                    | 383.48                  | 470.27 | 348    | 309.08  | 390.22                    | 350.29                  | 433.46 | 1.1                       |
| 00BM                                | Bury                 | 23.5                       | Q14  | B   | 718                            | 679.10    | 393.84                    | 365.55                  | 423.73 | 670    | 632.53  | 367.12                    | 339.84                  | 396.00 | 1.1                       |
| 00CY                                | Calderdale           | 25.4                       | Q12  | D   | 1045                           | 767.84    | 506.95                    | 476.67                  | 538.64 | 997    | 714.73  | 483.46                    | 453.91                  | 514.43 | 1.0                       |
| 12UB                                | Cambridge            | 14.6                       | Q01  | G   | 416                            | 415.51    | 372.94                    | 337.96                  | 410.56 | 392    | 387.37  | 350.73                    | 316.87                  | 387.23 | 1.1                       |
| 00AG                                | Camden               | 34.7                       | Q05  | H   | 870                            | 694.95    | 466.32                    | 435.84                  | 498.37 | 804    | 649.99  | 428.71                    | 399.58                  | 459.40 | 1.1                       |
| 41UB                                | Cannock Chase        | 20.3                       | Q26  | F   | 396                            | 339.03    | 435.09                    | 393.28                  | 480.12 | 376    | 315.79  | 412.67                    | 372.00                  | 456.56 | 1.1                       |
| 29UC                                | Canterbury           | 16.2                       | Q18  | J   | 464                            | 618.39    | 279.50                    | 254.64                  | 306.13 | 429    | 574.05  | 259.01                    | 235.08                  | 284.72 | 1.1                       |
| 15UB                                | Caradon              | 18.4                       | Q21  | K   | 296                            | 341.26    | 323.09                    | 287.33                  | 362.07 | 273    | 316.33  | 299.11                    | 264.68                  | 336.78 | 1.1                       |
| 16UD                                | Carlisle             | 22.2                       | Q13  | B   | 304                            | 416.80    | 271.69                    | 242.00                  | 304.01 | 277    | 387.09  | 248.02                    | 219.67                  | 279.01 | 1.1                       |
| 15UC                                | Carrick              | 19.2                       | Q21  | K   | 531                            | 418.42    | 472.72                    | 433.36                  | 514.69 | 467    | 387.39  | 417.81                    | 380.77                  | 457.48 | 1.1                       |
| 35UE                                | Castle Morpeth       | 15.8                       | Q09  | A   | 277                            | 194.97    | 529.23                    | 468.73                  | 595.37 | 253    | 180.77  | 485.06                    | 427.13                  | 548.67 | 1.1                       |
| 22UE                                | Castle Point         | 12.7                       | Q03  | G   | 269                            | 350.98    | 285.49                    | 252.39                  | 321.72 | 254    | 325.76  | 270.24                    | 238.02                  | 305.60 | 1.1                       |
| 31UC                                | Charnwood            | 12.1                       | Q25  | E   | 564                            | 596.17    | 352.40                    | 323.91                  | 382.72 | 508    | 554.85  | 317.32                    | 290.32                  | 346.15 | 1.1                       |
| 22UF                                | Chelmsford           | 8.6                        | Q03  | G   | 580                            | 614.79    | 351.42                    | 323.40                  | 381.22 | 545    | 572.08  | 330.18                    | 303.04                  | 359.10 | 1.1                       |
| 23UB                                | Cheltenham           | 14.4                       | Q20  | K   | 461                            | 472.33    | 363.56                    | 331.13                  | 398.32 | 408    | 438.47  | 322.50                    | 291.96                  | 355.36 | 1.1                       |
| 38UB                                | Cherwell             | 11.2                       | Q16  | J   | 511                            | 509.88    | 373.31                    | 341.64                  | 407.13 | 480    | 474.89  | 350.32                    | 319.67                  | 383.10 | 1.1                       |
| 13UB                                | Chester              | 17.0                       | Q15  | B   | 677                            | 470.42    | 536.07                    | 496.45                  | 578.02 | 630    | 436.89  | 499.78                    | 461.51                  | 540.37 | 1.1                       |
| 17UD                                | Chesterfield         | 27.1                       | Q24  | E   | 417                            | 409.12    | 379.67                    | 344.10                  | 417.92 | 386    | 379.78  | 352.26                    | 317.99                  | 389.22 | 1.1                       |
| 20UB                                | Chester-Le-Street    | 21.4                       | Q10  | A   | 247                            | 192.22    | 478.66                    | 420.82                  | 542.22 | 236    | 178.85  | 457.34                    | 400.84                  | 519.56 | 1.0                       |
| 45UD                                | Chichester           | 10.7                       | Q19  | J   | 574                            | 515.17    | 415.04                    | 381.77                  | 450.42 | 539    | 476.97  | 391.66                    | 359.29                  | 426.17 | 1.1                       |
| 11UC                                | Chiltern             | 6.2                        | Q16  | J   | 273                            | 365.32    | 278.36                    | 246.32                  | 313.42 | 251    | 339.48  | 256.25                    | 225.53                  | 289.99 | 1.1                       |

| HES data 2009-2011: CIPS file v1Eng |                       |                            |      |     | Head injuriesall ages, Females |           |                           |                         |        |        |         |                           |                         | Ratio of spells to people |
|-------------------------------------|-----------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------|---------------------------|-------------------------|---------------------------|
|                                     |                       |                            |      |     | CIPS                           |           |                           |                         |        | People |         |                           |                         |                           |
| Label                               | Local authority       | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect rate per 100,000 | 95% Confidence interval |        | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |                           |
| N/A                                 | ALL ENGLAND           |                            |      |     | 196604                         | 196604.00 | 372.50                    | 370.85                  | 374.15 | 182928 | #####   | 346.59                    | 345.00                  | 348.18                    |
| 30UE                                | Chorley               | 17.2 Q13                   | B    |     | 311                            | 375.55    | 308.47                    | 275.13                  | 344.73 | 289    | 349.45  | 286.63                    | 254.53                  | 321.65                    |
| 19UC                                | Christchurch          | 12.6 Q22                   | K    |     | 201                            | 244.21    | 306.59                    | 265.67                  | 352.03 | 186    | 225.45  | 285.94                    | 246.32                  | 330.12                    |
| 22UG                                | Colchester            | 14.6 Q03                   | G    |     | 401                            | 657.63    | 227.14                    | 205.45                  | 250.49 | 383    | 612.06  | 216.88                    | 195.70                  | 239.72                    |
| 13UC                                | Congleton             | 9.5 Q15                    | B    |     | 468                            | 357.38    | 487.80                    | 444.60                  | 534.06 | 437    | 331.66  | 456.66                    | 414.84                  | 501.55                    |
| 16UE                                | Copeland              | 25.7 Q13                   | B    |     | 210                            | 253.71    | 308.32                    | 268.02                  | 352.96 | 197    | 235.70  | 289.67                    | 250.63                  | 333.07                    |
| 34UB                                | Corby                 | 27.1 Q25                   | E    |     | 194                            | 197.04    | 366.75                    | 316.95                  | 422.15 | 181    | 183.88  | 341.16                    | 293.26                  | 394.64                    |
| 23UC                                | Cotswold              | 8.8 Q20                    | K    |     | 272                            | 353.18    | 286.88                    | 253.79                  | 323.08 | 243    | 327.29  | 257.32                    | 225.98                  | 291.79                    |
| 00CQ                                | Coventry              | 28.2 Q28                   | F    |     | 1371                           | 1172.98   | 435.38                    | 412.64                  | 459.05 | 1282   | 1093.12 | 406.47                    | 384.52                  | 429.35                    |
| 36UB                                | Craven                | 11.9 Q11                   | D    |     | 209                            | 237.38    | 327.96                    | 285.00                  | 375.57 | 197    | 219.71  | 310.76                    | 268.87                  | 357.32                    |
| 45UE                                | Crawley               | 14.8 Q19                   | J    |     | 393                            | 378.75    | 386.51                    | 349.24                  | 426.68 | 351    | 353.18  | 344.45                    | 309.35                  | 382.44                    |
| 13UD                                | Crewe and Nantwich    | 17.1 Q15                   | B    |     | 693                            | 449.89    | 573.78                    | 531.85                  | 618.14 | 645    | 418.44  | 534.23                    | 493.79                  | 577.10                    |
| 00AH                                | Croydon               | 19.9 Q08                   | H    |     | 1197                           | 1200.24   | 371.49                    | 350.74                  | 393.15 | 1115   | 1120.34 | 344.93                    | 324.98                  | 365.79                    |
| 26UC                                | Dacorum               | 9.5 Q02                    | G    |     | 356                            | 539.24    | 245.92                    | 221.03                  | 272.84 | 332    | 501.75  | 229.33                    | 205.32                  | 255.38                    |
| 00EH                                | Darlington UA         | 24.6 Q10                   | A    |     | 395                            | 399.04    | 368.72                    | 333.25                  | 406.94 | 373    | 370.96  | 348.49                    | 314.01                  | 385.71                    |
| 29UD                                | Dartford              | 17.2 Q18                   | J    |     | 360                            | 336.01    | 399.09                    | 358.92                  | 442.53 | 338    | 313.36  | 373.84                    | 335.04                  | 415.90                    |
| 34UC                                | Daventry              | 10.2 Q25                   | E    |     | 216                            | 275.33    | 292.23                    | 254.55                  | 333.91 | 204    | 256.34  | 275.82                    | 239.26                  | 316.38                    |
| 00FK                                | Derby UA              | 27.7 Q24                   | E    |     | 945                            | 924.86    | 380.61                    | 356.72                  | 405.67 | 914    | 861.25  | 367.81                    | 344.35                  | 392.45                    |
| 17UF                                | Derbyshire Dales      | 12.5 Q24                   | E    |     | 246                            | 292.19    | 313.62                    | 275.64                  | 355.36 | 223    | 270.68  | 285.53                    | 249.28                  | 325.57                    |
| 20UD                                | Derwentside           | 28.2 Q10                   | A    |     | 454                            | 345.71    | 489.17                    | 445.20                  | 536.31 | 420    | 321.22  | 453.17                    | 410.86                  | 498.65                    |
| 00CE                                | Doncaster             | 31.5 Q23                   | D    |     | 931                            | 1093.94   | 317.01                    | 296.97                  | 338.05 | 865    | 1018.09 | 294.47                    | 275.17                  | 314.77                    |
| 29UE                                | Dover                 | 18.7 Q18                   | J    |     | 364                            | 452.54    | 299.62                    | 269.62                  | 332.03 | 338    | 419.81  | 279.05                    | 250.09                  | 310.44                    |
| 00CR                                | Dudley                | 22.1 Q27                   | F    |     | 1233                           | 1177.05   | 390.20                    | 368.72                  | 412.61 | 1127   | 1094.52 | 356.87                    | 336.34                  | 378.33                    |
| 20UE                                | Durham                | 18.5 Q10                   | A    |     | 424                            | 325.91    | 484.61                    | 439.58                  | 533.01 | 396    | 303.51  | 452.20                    | 408.75                  | 499.01                    |
| 00AJ                                | Ealing                | 23.4 Q04                   | H    |     | 1274                           | 1047.60   | 453.00                    | 428.46                  | 478.57 | 1202   | 979.04  | 425.52                    | 401.80                  | 450.27                    |
| 20UF                                | Easington             | 41.8 Q10                   | A    |     | 414                            | 360.04    | 428.33                    | 388.06                  | 471.65 | 399    | 335.00  | 412.80                    | 373.28                  | 455.36                    |
| 12UC                                | East Cambridgeshire   | 10.6 Q01                   | G    |     | 240                            | 320.33    | 279.08                    | 244.88                  | 316.71 | 230    | 297.90  | 267.59                    | 234.12                  | 304.50                    |
| 18UB                                | East Devon            | 12.7 Q21                   | K    |     | 621                            | 655.36    | 352.97                    | 325.75                  | 381.86 | 550    | 605.31  | 314.92                    | 289.14                  | 342.37                    |
| 19UD                                | East Dorset           | 8.2 Q22                    | K    |     | 402                            | 417.10    | 359.01                    | 324.77                  | 395.88 | 376    | 385.46  | 338.08                    | 304.76                  | 374.04                    |
| 24UC                                | East Hampshire        | 8.1 Q17                    | J    |     | 395                            | 443.77    | 331.56                    | 299.66                  | 365.93 | 367    | 412.15  | 308.62                    | 277.85                  | 341.87                    |
| 26UD                                | East Hertfordshire    | 6.3 Q02                    | G    |     | 277                            | 496.07    | 208.00                    | 184.22                  | 233.99 | 267    | 461.85  | 200.36                    | 177.05                  | 225.90                    |
| 32UC                                | East Lindsey          | 24.6 Q24                   | E    |     | 461                            | 577.35    | 297.43                    | 270.89                  | 325.86 | 431    | 534.96  | 279.23                    | 253.49                  | 306.88                    |
| 34UD                                | East Northamptonshire | 11.8 Q25                   | E    |     | 268                            | 319.71    | 312.25                    | 275.98                  | 351.96 | 254    | 297.43  | 295.98                    | 260.69                  | 334.70                    |

| HES data 2009-2011: CIPS file v1Eng |                             |                            |      |     | Head injuriesall ages, Females |           |                                 |                            |        |        |         |                                 |                            |        |                                 |
|-------------------------------------|-----------------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------------|----------------------------|--------|--------|---------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                             |                            |      |     | CIPS                           |           |                                 |                            |        | People |         |                                 |                            |        |                                 |
| Label                               | Local authority             | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND                 |                            |      |     | 196604                         | 196604.00 | 372.50                          | 370.85                     | 374.15 | 182928 | #####   | 346.59                          | 345.00                     | 348.18 | 1.1                             |
| 00FB                                | East Riding of Yorkshire UA | 15.3 Q11                   | D    |     | 1069                           | 1335.06   | 298.26                          | 280.65                     | 316.69 | 1019   | 1238.33 | 285.20                          | 267.95                     | 303.26 | 1.0                             |
| 41UC                                | East Staffordshire          | 18.5 Q26                   | F    |     | 427                            | 414.80    | 383.45                          | 347.94                     | 421.61 | 389    | 385.93  | 349.34                          | 315.48                     | 385.84 | 1.1                             |
| 21UC                                | Eastbourne                  | 21.5 Q19                   | J    |     | 524                            | 481.44    | 405.43                          | 371.45                     | 441.68 | 494    | 445.30  | 384.49                          | 351.33                     | 419.94 | 1.1                             |
| 24UD                                | Eastleigh                   | 8.9 Q17                    | J    |     | 398                            | 454.49    | 326.20                          | 294.93                     | 359.88 | 370    | 422.71  | 303.37                          | 273.24                     | 335.91 | 1.1                             |
| 16UF                                | Eden                        | 15.7 Q13                   | B    |     | 127                            | 207.22    | 228.30                          | 190.32                     | 271.63 | 116    | 192.01  | 209.38                          | 173.01                     | 251.13 | 1.1                             |
| 13UE                                | Ellesmere Port and Neston   | 19.8 Q15                   | B    |     | 496                            | 307.67    | 600.52                          | 548.82                     | 655.77 | 467    | 286.02  | 565.88                          | 515.71                     | 619.61 | 1.1                             |
| 43UB                                | Elmbridge                   | 7.0 Q19                    | J    |     | 365                            | 532.25    | 255.44                          | 229.91                     | 283.04 | 345    | 494.68  | 241.71                          | 216.88                     | 268.61 | 1.1                             |
| 00AK                                | Enfield                     | 23.1 Q05                   | H    |     | 799                            | 1068.28   | 278.60                          | 259.62                     | 298.61 | 767    | 997.28  | 266.56                          | 248.02                     | 286.11 | 1.0                             |
| 22UH                                | Epping Forest               | 13.3 Q03                   | G    |     | 503                            | 483.74    | 387.33                          | 354.21                     | 422.70 | 468    | 449.58  | 360.78                          | 328.83                     | 395.00 | 1.1                             |
| 43UC                                | Epsom and Ewell             | 6.9 Q19                    | J    |     | 319                            | 292.29    | 406.53                          | 363.14                     | 453.68 | 304    | 271.75  | 387.72                          | 345.35                     | 433.85 | 1.0                             |
| 17UG                                | Erewash                     | 19.3 Q24                   | E    |     | 324                            | 419.48    | 287.71                          | 257.23                     | 320.81 | 296    | 389.86  | 263.15                          | 234.02                     | 294.90 | 1.1                             |
| 18UC                                | Exeter                      | 21.6 Q21                   | K    |     | 429                            | 472.28    | 338.36                          | 307.10                     | 371.95 | 401    | 438.84  | 316.70                          | 286.46                     | 349.27 | 1.1                             |
| 24UE                                | Fareham                     | 7.8 Q17                    | J    |     | 450                            | 449.03    | 373.30                          | 339.60                     | 409.44 | 435    | 416.47  | 362.00                          | 328.78                     | 397.68 | 1.0                             |
| 12UD                                | Fenland                     | 19.8 Q01                   | G    |     | 362                            | 370.83    | 363.63                          | 327.13                     | 403.08 | 340    | 344.19  | 342.37                          | 306.94                     | 380.77 | 1.1                             |
| 42UC                                | Forest Heath                | 11.1 Q01                   | G    |     | 164                            | 227.66    | 268.33                          | 228.83                     | 312.69 | 143    | 212.30  | 233.45                          | 196.75                     | 275.00 | 1.1                             |
| 23UD                                | Forest of Dean              | 15.9 Q20                   | K    |     | 201                            | 330.41    | 226.60                          | 196.36                     | 260.19 | 179    | 306.58  | 202.36                          | 173.80                     | 234.27 | 1.1                             |
| 30UF                                | Fylde                       | 13.1 Q13                   | B    |     | 323                            | 340.77    | 353.07                          | 315.61                     | 393.75 | 293    | 315.23  | 322.15                          | 286.31                     | 361.23 | 1.1                             |
| 00CH                                | Gateshead                   | 33.2 Q09                   | A    |     | 719                            | 721.79    | 371.06                          | 344.43                     | 399.20 | 674    | 671.24  | 348.01                          | 322.23                     | 375.30 | 1.1                             |
| 37UE                                | Gedling                     | 16.4 Q24                   | E    |     | 211                            | 439.35    | 178.89                          | 155.57                     | 204.73 | 203    | 408.01  | 172.44                          | 149.53                     | 197.86 | 1.0                             |
| 23UE                                | Gloucester                  | 19.9 Q20                   | K    |     | 350                            | 435.43    | 299.41                          | 268.86                     | 332.48 | 315    | 405.66  | 269.12                          | 240.22                     | 300.55 | 1.1                             |
| 24UF                                | Gosport                     | 16.3 Q17                   | J    |     | 375                            | 315.26    | 443.08                          | 399.36                     | 490.27 | 354    | 292.93  | 418.84                          | 376.34                     | 464.83 | 1.1                             |
| 29UG                                | Gravesham                   | 18.1 Q18                   | J    |     | 436                            | 369.56    | 439.47                          | 399.18                     | 482.72 | 398    | 344.09  | 400.89                          | 362.47                     | 442.28 | 1.1                             |
| 33UD                                | Great Yarmouth              | 27.7 Q01                   | G    |     | 224                            | 397.68    | 209.82                          | 183.23                     | 239.17 | 212    | 369.02  | 199.11                          | 173.21                     | 227.79 | 1.1                             |
| 00AL                                | Greenwich                   | 31.5 Q07                   | H    |     | 587                            | 826.34    | 264.61                          | 243.63                     | 286.91 | 558    | 771.98  | 250.52                          | 230.16                     | 272.19 | 1.1                             |
| 43UD                                | Guildford                   | 8.3 Q19                    | J    |     | 468                            | 508.39    | 342.91                          | 312.54                     | 375.43 | 442    | 472.98  | 323.88                          | 294.39                     | 355.53 | 1.1                             |
| 00AM                                | Hackney                     | 45.1 Q06                   | H    |     | 663                            | 706.84    | 349.39                          | 323.30                     | 377.03 | 614    | 662.85  | 321.04                          | 296.15                     | 347.47 | 1.1                             |
| 00ET                                | Halton UA                   | 34.3 Q15                   | B    |     | 851                            | 414.24    | 765.25                          | 714.69                     | 818.44 | 772    | 386.52  | 692.24                          | 644.26                     | 742.84 | 1.1                             |
| 36UC                                | Hambleton                   | 10.4 Q11                   | D    |     | 370                            | 346.35    | 397.94                          | 358.42                     | 440.62 | 345    | 321.33  | 372.12                          | 333.88                     | 413.53 | 1.1                             |
| 00AN                                | Hammersmith and Fulham      | 27.8 Q04                   | H    |     | 815                            | 555.15    | 546.86                          | 509.95                     | 585.73 | 755    | 518.61  | 504.57                          | 469.21                     | 541.88 | 1.1                             |
| 31UD                                | Harborough                  | 7.2 Q25                    | E    |     | 246                            | 313.57    | 292.23                          | 256.85                     | 331.12 | 229    | 291.40  | 272.37                          | 238.23                     | 310.02 | 1.1                             |
| 00AP                                | Haringey                    | 37.7 Q05                   | H    |     | 696                            | 703.86    | 368.34                          | 341.48                     | 396.75 | 642    | 659.39  | 337.45                          | 311.84                     | 364.59 | 1.1                             |
| 22UJ                                | Harlow                      | 21.4 Q03                   | G    |     | 285                            | 308.73    | 343.87                          | 305.10                     | 386.20 | 258    | 287.74  | 310.76                          | 273.99                     | 351.09 | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                                |                            |      |     | Head injuriesall ages, Females |           |                           |                         |        |         |                           |                         |     | Ratio of spells to people |
|-------------------------------------|--------------------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------|-------------------------|--------|---------|---------------------------|-------------------------|-----|---------------------------|
|                                     |                                |                            |      |     | CIPS                           |           |                           |                         |        | People  |                           |                         |     |                           |
| Label                               | Local authority                | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect rate per 100,000 | 95% Confidence interval | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |     |                           |
| N/A                                 | ALL ENGLAND                    |                            |      |     | 196604                         | 196604.00 | 372.50                    | 370.85 374.15           | 182928 | #####   | 346.59                    | 345.00 348.18           | 1.1 |                           |
| 36UD                                | Harrogate                      | 11.1                       | Q11  | D   | 434                            | 646.77    | 249.96                    | 226.99 274.62           | 410    | 599.93  | 236.86                    | 214.48 260.94           | 1.1 |                           |
| 00AQ                                | Harrow                         | 13.5                       | Q04  | H   | 678                            | 820.35    | 307.86                    | 285.12 331.93           | 621    | 764.65  | 281.47                    | 259.77 304.51           | 1.1 |                           |
| 24UG                                | Hart                           | 4.2                        | Q17  | J   | 300                            | 321.21    | 347.90                    | 309.64 389.58           | 284    | 299.13  | 329.06                    | 291.89 369.64           | 1.1 |                           |
| 00EB                                | Hartlepool UA                  | 37.7                       | Q10  | A   | 403                            | 336.48    | 446.14                    | 403.64 491.90           | 387    | 313.44  | 427.92                    | 386.34 472.75           | 1.0 |                           |
| 21UD                                | Hastings                       | 31.7                       | Q19  | J   | 433                            | 361.20    | 446.54                    | 405.47 490.65           | 403    | 335.41  | 416.43                    | 376.76 459.14           | 1.1 |                           |
| 24UH                                | Havant                         | 20.1                       | Q17  | J   | 547                            | 490.57    | 415.34                    | 381.26 451.65           | 510    | 455.13  | 388.37                    | 355.39 423.59           | 1.1 |                           |
| 00AR                                | Havering                       | 14.8                       | Q06  | H   | 875                            | 937.74    | 347.57                    | 324.92 371.39           | 801    | 871.55  | 318.53                    | 296.85 341.37           | 1.1 |                           |
| 00GA                                | Herefordshire, County of UA    | 15.7                       | Q28  | F   | 516                            | 756.93    | 253.93                    | 232.49 276.82           | 483    | 701.40  | 238.67                    | 217.85 260.93           | 1.1 |                           |
| 26UE                                | Hertsmere                      | 12.0                       | Q02  | G   | 350                            | 398.13    | 327.46                    | 294.05 363.63           | 325    | 370.11  | 304.34                    | 272.15 339.30           | 1.1 |                           |
| 17UH                                | High Peak                      | 15.1                       | Q24  | E   | 421                            | 350.66    | 447.21                    | 405.51 492.04           | 380    | 325.82  | 404.22                    | 364.60 446.98           | 1.1 |                           |
| 00AS                                | Hillingdon                     | 17.7                       | Q04  | H   | 952                            | 944.23    | 375.56                    | 352.08 400.20           | 894    | 881.41  | 351.54                    | 328.87 375.36           | 1.1 |                           |
| 31UE                                | Hinckley and Bosworth          | 11.1                       | Q25  | E   | 341                            | 393.51    | 322.79                    | 289.44 358.94           | 315    | 365.61  | 298.61                    | 266.54 333.48           | 1.1 |                           |
| 45UF                                | Horsham                        | 6.7                        | Q19  | J   | 506                            | 520.96    | 361.80                    | 330.96 394.75           | 458    | 483.64  | 328.21                    | 298.83 359.69           | 1.1 |                           |
| 00AT                                | Hounslow                       | 23.3                       | Q04  | H   | 839                            | 753.85    | 414.57                    | 386.99 443.60           | 775    | 705.41  | 380.78                    | 354.44 408.56           | 1.1 |                           |
| 12UE                                | Huntingdonshire                | 10.2                       | Q01  | G   | 384                            | 592.61    | 241.37                    | 217.83 266.76           | 363    | 551.73  | 228.03                    | 205.17 252.74           | 1.1 |                           |
| 30UG                                | Hyndburn                       | 28.5                       | Q13  | B   | 306                            | 301.07    | 378.60                    | 337.36 423.49           | 268    | 280.54  | 331.09                    | 292.63 373.20           | 1.1 |                           |
| 42UD                                | Ipswich                        | 23.4                       | Q01  | G   | 312                            | 478.63    | 242.82                    | 216.62 271.31           | 296    | 445.63  | 230.21                    | 204.73 257.99           | 1.1 |                           |
| 00MW                                | Isle of Wight UA               | 21.1                       | Q17  | J   | 429                            | 639.31    | 249.96                    | 226.86 274.77           | 411    | 591.42  | 240.86                    | 218.13 265.31           | 1.0 |                           |
| 00AU                                | Islington                      | 42.7                       | Q05  | H   | 805                            | 568.16    | 527.77                    | 491.94 565.53           | 746    | 532.01  | 485.99                    | 451.74 522.16           | 1.1 |                           |
| 46UB                                | Kennet                         | 10.1                       | Q20  | K   | 320                            | 302.14    | 394.52                    | 352.47 440.20           | 295    | 281.00  | 363.86                    | 323.52 407.84           | 1.1 |                           |
| 00AW                                | Kensington and Chelsea         | 21.5                       | Q04  | H   | 615                            | 600.58    | 381.44                    | 351.88 412.82           | 569    | 558.96  | 352.81                    | 324.41 383.03           | 1.1 |                           |
| 15UD                                | Kerrier                        | 25.2                       | Q21  | K   | 550                            | 403.60    | 507.62                    | 466.07 551.87           | 477    | 374.56  | 441.37                    | 402.64 482.82           | 1.2 |                           |
| 34UE                                | Kettering                      | 15.3                       | Q25  | E   | 329                            | 341.98    | 358.35                    | 320.67 399.25           | 308    | 318.36  | 335.31                    | 298.90 374.93           | 1.1 |                           |
| 33UE                                | Kings Lynn and West Norfolk    | 19.1                       | Q01  | G   | 703                            | 600.14    | 436.34                    | 404.68 469.82           | 657    | 556.52  | 409.16                    | 378.47 441.68           | 1.1 |                           |
| 00FA                                | Kingston upon Hull, City of UA | 41.1                       | Q11  | D   | 907                            | 912.94    | 370.07                    | 346.38 394.96           | 867    | 851.31  | 352.97                    | 329.87 377.27           | 1.0 |                           |
| 00AX                                | Kingston upon Thames           | 11.6                       | Q08  | H   | 267                            | 584.25    | 170.23                    | 150.42 191.92           | 253    | 544.78  | 160.96                    | 141.73 182.06           | 1.1 |                           |
| 00CZ                                | Kirklees                       | 26.2                       | Q12  | D   | 1804                           | 1497.57   | 448.72                    | 428.25 469.91           | 1691   | 1395.93 | 419.85                    | 400.07 440.35           | 1.1 |                           |
| 00BX                                | Knowsley                       | 46.6                       | Q15  | B   | 1020                           | 549.57    | 691.35                    | 649.57 735.11           | 934    | 512.13  | 632.09                    | 592.20 673.96           | 1.1 |                           |
| 00AY                                | Lambeth                        | 34.2                       | Q07  | H   | 906                            | 823.04    | 410.04                    | 383.77 437.64           | 857    | 771.39  | 385.05                    | 359.70 411.72           | 1.1 |                           |
| 30UH                                | Lancaster                      | 22.3                       | Q13  | B   | 583                            | 553.03    | 392.69                    | 361.45 425.90           | 536    | 513.70  | 361.63                    | 331.66 393.59           | 1.1 |                           |
| 00DA                                | Leeds                          | 27.7                       | Q12  | D   | 3709                           | 2863.29   | 482.52                    | 467.11 498.30           | 3483   | 2667.53 | 452.54                    | 437.63 467.82           | 1.1 |                           |
| 00FN                                | Leicester UA                   | 32.8                       | Q25  | E   | 1205                           | 1070.87   | 419.15                    | 395.82 443.50           | 1116   | 1001.17 | 386.34                    | 364.00 409.69           | 1.1 |                           |

| HES data 2009-2011: CIPS file v1Eng |                       |                            |      |     | Head injuriesall ages, Females |           |                           |                         |        |        |         |                           |                         |        |                           |
|-------------------------------------|-----------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------|---------------------------|-------------------------|--------|---------------------------|
|                                     |                       |                            |      |     | CIPS                           |           |                           |                         |        | People |         |                           |                         |        |                           |
| Label                               | Local authority       | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect rate per 100,000 | 95% Confidence interval |        | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |        | Ratio of spells to people |
| N/A                                 | ALL ENGLAND           |                            |      |     | 196604                         | 196604.00 | 372.50                    | 370.85                  | 374.15 | 182928 | #####   | 346.59                    | 345.00                  | 348.18 | 1.1                       |
| 21UF                                | Lewes                 | 12.9                       | Q19  | J   | 456                            | 453.79    | 374.31                    | 340.73                  | 410.29 | 429    | 419.78  | 354.20                    | 321.47                  | 389.36 | 1.1                       |
| 00AZ                                | Lewisham              | 28.6                       | Q07  | H   | 879                            | 853.80    | 383.49                    | 358.56                  | 409.71 | 831    | 799.36  | 360.30                    | 336.22                  | 385.66 | 1.1                       |
| 41UD                                | Lichfield             | 12.0                       | Q26  | F   | 404                            | 366.71    | 410.37                    | 371.33                  | 452.41 | 374    | 340.68  | 380.48                    | 342.89                  | 421.07 | 1.1                       |
| 32UD                                | Lincoln               | 27.2                       | Q24  | E   | 574                            | 346.48    | 617.10                    | 567.64                  | 669.71 | 538    | 322.45  | 578.28                    | 530.44                  | 629.27 | 1.1                       |
| 00BY                                | Liverpool             | 49.8                       | Q15  | B   | 3091                           | 1552.84   | 741.47                    | 715.56                  | 768.08 | 2824   | 1447.70 | 676.08                    | 651.37                  | 701.48 | 1.1                       |
| 00KA                                | Luton UA              | 23.3                       | Q02  | G   | 419                            | 647.95    | 240.88                    | 218.36                  | 265.08 | 399    | 606.84  | 227.88                    | 206.07                  | 251.38 | 1.1                       |
| 13UG                                | Macclesfield          | 11.1                       | Q15  | B   | 868                            | 629.88    | 513.31                    | 479.73                  | 548.63 | 799    | 584.13  | 474.08                    | 441.77                  | 508.12 | 1.1                       |
| 29UH                                | Maidstone             | 11.5                       | Q18  | J   | 511                            | 557.86    | 341.21                    | 312.26                  | 372.12 | 488    | 518.76  | 326.03                    | 297.74                  | 356.29 | 1.0                       |
| 22UK                                | Maldon                | 10.7                       | Q03  | G   | 238                            | 236.64    | 374.64                    | 328.55                  | 425.38 | 224    | 219.75  | 353.29                    | 308.54                  | 402.72 | 1.1                       |
| 47UC                                | Malvern Hills         | 13.1                       | Q28  | F   | 295                            | 327.37    | 335.66                    | 298.45                  | 376.24 | 271    | 303.01  | 309.97                    | 274.16                  | 349.16 | 1.1                       |
| 00BN                                | Manchester            | 48.9                       | Q14  | B   | 2311                           | 1621.40   | 530.92                    | 509.50                  | 553.02 | 2172   | 1516.34 | 496.45                    | 475.79                  | 517.78 | 1.1                       |
| 37UF                                | Mansfield             | 32.5                       | Q24  | E   | 290                            | 379.75    | 284.46                    | 252.66                  | 319.16 | 266    | 353.29  | 260.95                    | 230.53                  | 294.27 | 1.1                       |
| 00LC                                | Medway UA             | 18.0                       | Q18  | J   | 985                            | 884.92    | 414.62                    | 389.13                  | 441.35 | 901    | 825.59  | 378.24                    | 353.95                  | 403.77 | 1.1                       |
| 31UG                                | Melton                | 10.1                       | Q25  | E   | 122                            | 191.79    | 236.95                    | 196.77                  | 282.92 | 117    | 178.15  | 227.62                    | 188.25                  | 272.80 | 1.0                       |
| 40UB                                | Mendip                | 14.5                       | Q22  | K   | 460                            | 442.33    | 387.38                    | 352.78                  | 424.45 | 436    | 410.53  | 368.09                    | 334.34                  | 404.32 | 1.1                       |
| 00BA                                | Merton                | 14.5                       | Q08  | H   | 731                            | 719.45    | 378.48                    | 351.53                  | 406.94 | 667    | 671.22  | 344.41                    | 318.76                  | 371.57 | 1.1                       |
| 09UC                                | Mid Bedfordshire      | 7.7                        | Q02  | G   | 292                            | 456.31    | 238.37                    | 211.81                  | 267.34 | 283    | 425.46  | 230.53                    | 204.45                  | 259.02 | 1.0                       |
| 18UD                                | Mid Devon             | 17.1                       | Q21  | K   | 223                            | 305.23    | 272.14                    | 237.59                  | 310.30 | 204    | 283.32  | 249.55                    | 216.48                  | 286.25 | 1.1                       |
| 42UE                                | Mid Suffolk           | 9.8                        | Q01  | G   | 248                            | 363.20    | 254.35                    | 223.67                  | 288.05 | 231    | 337.20  | 237.43                    | 207.79                  | 270.10 | 1.1                       |
| 45UG                                | Mid Sussex            | 6.4                        | Q19  | J   | 496                            | 524.65    | 352.16                    | 321.84                  | 384.56 | 464    | 487.57  | 329.83                    | 300.49                  | 361.25 | 1.1                       |
| 00EC                                | Middlesbrough UA      | 40.7                       | Q10  | A   | 607                            | 520.10    | 434.74                    | 400.83                  | 470.74 | 584    | 484.81  | 417.50                    | 384.32                  | 452.77 | 1.0                       |
| 00MG                                | Milton Keynes UA      | 15.6                       | Q16  | J   | 865                            | 793.67    | 405.98                    | 379.37                  | 433.96 | 785    | 741.90  | 366.72                    | 341.51                  | 393.30 | 1.1                       |
| 43UE                                | Mole Valley           | 6.2                        | Q19  | J   | 395                            | 351.66    | 418.40                    | 378.15                  | 461.77 | 362    | 326.18  | 384.65                    | 346.04                  | 426.38 | 1.1                       |
| 24UJ                                | New Forest            | 10.4                       | Q17  | J   | 877                            | 822.63    | 397.11                    | 371.26                  | 424.29 | 816    | 760.84  | 371.71                    | 346.64                  | 398.12 | 1.1                       |
| 37UG                                | Newark and Sherwood   | 19.8                       | Q24  | E   | 366                            | 442.92    | 307.80                    | 277.07                  | 341.01 | 345    | 411.45  | 290.61                    | 260.75                  | 322.96 | 1.1                       |
| 00CJ                                | Newcastle upon Tyne   | 34.5                       | Q09  | A   | 1048                           | 1057.01   | 369.32                    | 347.29                  | 392.38 | 998    | 984.07  | 351.49                    | 330.02                  | 373.99 | 1.1                       |
| 41UE                                | Newcastle-under-Lyme  | 19.9                       | Q26  | F   | 454                            | 482.72    | 350.34                    | 318.85                  | 384.10 | 407    | 448.34  | 314.63                    | 284.80                  | 346.73 | 1.1                       |
| 00BB                                | Newham                | 40.4                       | Q06  | H   | 718                            | 772.32    | 346.30                    | 321.43                  | 372.58 | 669    | 726.15  | 319.31                    | 295.56                  | 344.45 | 1.1                       |
| 15UE                                | North Cornwall        | 22.8                       | Q21  | K   | 395                            | 366.74    | 401.20                    | 362.61                  | 442.79 | 346    | 339.97  | 352.74                    | 316.54                  | 391.94 | 1.1                       |
| 18UE                                | North Devon           | 20.6                       | Q21  | K   | 389                            | 392.54    | 369.13                    | 333.36                  | 407.70 | 348    | 363.84  | 331.49                    | 297.57                  | 368.22 | 1.1                       |
| 19UE                                | North Dorset          | 11.4                       | Q22  | K   | 248                            | 265.51    | 347.92                    | 305.96                  | 394.03 | 227    | 246.17  | 319.59                    | 279.36                  | 363.98 | 1.1                       |
| 17UJ                                | North East Derbyshire | 18.9                       | Q24  | E   | 355                            | 378.04    | 349.80                    | 314.35                  | 388.15 | 332    | 350.85  | 327.96                    | 293.63                  | 365.21 | 1.1                       |

| HES data 2009-2011: CIPS file v1Eng |                            |                            |      |     | Head injuriesall ages, Females |           |                                 |                            |        |        |        |                                 |                            |        |                                 |
|-------------------------------------|----------------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------------|----------------------------|--------|--------|--------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                            |                            |      |     | CIPS                           |           |                                 |                            |        | People |        |                                 |                            |        |                                 |
| Label                               | Local authority            | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Obs.   | Exp.   | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND                |                            |      |     | 196604                         | 196604.00 | 372.50                          | 370.85                     | 374.15 | 182928 | #####  | 346.59                          | 345.00                     | 348.18 | 1.1                             |
| 00FC                                | North East Lincolnshire UA | 29.4                       | Q11  | D   | 518                            | 613.75    | 314.39                          | 287.89                     | 342.66 | 497    | 570.74 | 301.81                          | 275.85                     | 329.55 | 1.0                             |
| 26UF                                | North Hertfordshire        | 10.1                       | Q02  | G   | 418                            | 492.61    | 316.08                          | 286.50                     | 347.88 | 396    | 457.93 | 299.71                          | 270.92                     | 330.74 | 1.1                             |
| 32UE                                | North Kesteven             | 11.5                       | Q24  | E   | 496                            | 411.04    | 449.49                          | 410.80                     | 490.85 | 461    | 381.64 | 418.66                          | 381.31                     | 458.68 | 1.1                             |
| 00FD                                | North Lincolnshire UA      | 21.2                       | Q11  | D   | 379                            | 621.45    | 227.17                          | 204.87                     | 251.23 | 359    | 577.59 | 215.42                          | 193.71                     | 238.90 | 1.1                             |
| 33UF                                | North Norfolk              | 16.9                       | Q01  | G   | 347                            | 481.12    | 268.66                          | 241.13                     | 298.47 | 315    | 444.48 | 245.62                          | 219.24                     | 274.30 | 1.1                             |
| 39UC                                | North Shropshire           | 16.6                       | Q26  | F   | 158                            | 241.41    | 243.80                          | 207.26                     | 284.92 | 145    | 224.05 | 224.30                          | 189.27                     | 263.92 | 1.1                             |
| 00HC                                | North Somerset UA          | 14.1                       | Q20  | K   | 710                            | 878.85    | 300.93                          | 279.20                     | 323.90 | 645    | 815.08 | 274.26                          | 253.50                     | 296.27 | 1.1                             |
| 00CK                                | North Tyneside             | 26.0                       | Q09  | A   | 1132                           | 766.44    | 550.16                          | 518.58                     | 583.17 | 1060   | 712.31 | 515.76                          | 485.17                     | 547.77 | 1.1                             |
| 44UB                                | North Warwickshire         | 16.4                       | Q28  | F   | 177                            | 224.56    | 293.61                          | 251.94                     | 340.20 | 167    | 208.78 | 277.23                          | 236.78                     | 322.62 | 1.1                             |
| 31UH                                | North West Leicestershire  | 15.9                       | Q25  | E   | 337                            | 339.58    | 369.67                          | 331.25                     | 411.33 | 299    | 315.73 | 328.22                          | 292.07                     | 367.61 | 1.1                             |
| 46UC                                | North Wiltshire            | 8.4                        | Q20  | K   | 395                            | 492.58    | 298.70                          | 269.97                     | 329.66 | 369    | 458.32 | 279.04                          | 251.29                     | 309.02 | 1.1                             |
| 34UF                                | Northampton                | 20.2                       | Q25  | E   | 677                            | 764.11    | 330.03                          | 305.63                     | 355.85 | 638    | 712.69 | 310.26                          | 286.65                     | 335.30 | 1.1                             |
| 33UG                                | Norwich                    | 28.3                       | Q01  | G   | 393                            | 537.78    | 272.21                          | 245.96                     | 300.51 | 363    | 500.30 | 251.47                          | 226.26                     | 278.72 | 1.1                             |
| 00FY                                | Nottingham UA              | 41.8                       | Q24  | E   | 786                            | 1024.72   | 285.72                          | 266.09                     | 306.41 | 743    | 957.30 | 269.00                          | 250.00                     | 289.06 | 1.1                             |
| 44UC                                | Nuneaton and Bedworth      | 21.2                       | Q28  | F   | 450                            | 447.96    | 374.19                          | 340.41                     | 410.41 | 419    | 417.24 | 348.05                          | 315.51                     | 383.02 | 1.1                             |
| 31UJ                                | Oadby and Wigston          | 9.7                        | Q25  | E   | 260                            | 230.14    | 420.82                          | 371.22                     | 475.21 | 233    | 213.78 | 377.75                          | 330.80                     | 429.50 | 1.1                             |
| 00BP                                | Oldham                     | 30.7                       | Q14  | B   | 1101                           | 817.28    | 501.81                          | 472.60                     | 532.35 | 1042   | 762.27 | 473.77                          | 445.44                     | 503.44 | 1.1                             |
| 39UD                                | Oswestry                   | 17.1                       | Q26  | F   | 79                             | 163.68    | 179.78                          | 142.33                     | 224.06 | 76     | 152.00 | 173.29                          | 136.53                     | 216.90 | 1.0                             |
| 38UC                                | Oxford                     | 19.7                       | Q16  | J   | 634                            | 524.73    | 450.07                          | 415.71                     | 486.51 | 597    | 489.71 | 422.52                          | 389.30                     | 457.81 | 1.1                             |
| 30UJ                                | Pendle                     | 27.6                       | Q13  | B   | 335                            | 341.85    | 365.03                          | 326.98                     | 406.29 | 319    | 318.29 | 347.36                          | 310.28                     | 387.65 | 1.1                             |
| 15UF                                | Penwith                    | 29.0                       | Q21  | K   | 303                            | 293.56    | 384.48                          | 342.40                     | 430.30 | 261    | 271.62 | 333.03                          | 293.85                     | 375.99 | 1.2                             |
| 00JA                                | Peterborough UA            | 23.4                       | Q01  | G   | 648                            | 614.29    | 392.94                          | 363.26                     | 424.40 | 600    | 573.43 | 362.64                          | 334.20                     | 392.86 | 1.1                             |
| 00HG                                | Plymouth UA                | 26.2                       | Q21  | K   | 1030                           | 979.48    | 391.71                          | 368.15                     | 416.38 | 954    | 911.19 | 362.87                          | 340.21                     | 386.65 | 1.1                             |
| 00HP                                | Poole UA                   | 14.3                       | Q22  | K   | 894                            | 625.24    | 532.62                          | 498.27                     | 568.71 | 840    | 579.58 | 502.32                          | 468.92                     | 537.47 | 1.1                             |
| 00MR                                | Portsmouth UA              | 24.9                       | Q17  | J   | 1013                           | 746.82    | 505.26                          | 474.62                     | 537.36 | 928    | 695.60 | 462.38                          | 433.11                     | 493.11 | 1.1                             |
| 30UK                                | Preston                    | 28.5                       | Q13  | B   | 526                            | 468.58    | 418.14                          | 383.16                     | 455.45 | 501    | 437.30 | 397.07                          | 363.06                     | 433.41 | 1.0                             |
| 19UG                                | Purbeck                    | 12.6                       | Q22  | K   | 216                            | 196.12    | 410.26                          | 357.37                     | 468.78 | 192    | 181.54 | 366.55                          | 316.53                     | 422.23 | 1.1                             |
| 00MC                                | Reading UA                 | 18.8                       | Q16  | J   | 357                            | 539.27    | 246.59                          | 221.67                     | 273.55 | 333    | 503.35 | 229.29                          | 205.32                     | 255.29 | 1.1                             |
| 00BC                                | Redbridge                  | 17.8                       | Q06  | H   | 1089                           | 950.39    | 426.82                          | 401.85                     | 452.95 | 1000   | 887.37 | 390.58                          | 366.74                     | 415.56 | 1.1                             |
| 00EE                                | Redcar and Cleveland UA    | 30.6                       | Q10  | A   | 486                            | 535.56    | 338.03                          | 308.64                     | 369.46 | 464    | 497.57 | 323.20                          | 294.46                     | 353.99 | 1.0                             |
| 47UD                                | Redditch                   | 19.4                       | Q28  | F   | 312                            | 276.03    | 421.03                          | 375.60                     | 470.44 | 294    | 257.35 | 395.95                          | 351.97                     | 443.89 | 1.1                             |
| 43UF                                | Reigate and Banstead       | 9.0                        | Q19  | J   | 604                            | 540.21    | 416.48                          | 383.93                     | 451.06 | 547    | 502.12 | 377.56                          | 346.58                     | 410.57 | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                       |                            |      |     | Head injuriesall ages, Females |           |                           |                         |        |        |         |                           |                         | Ratio of spells to people |
|-------------------------------------|-----------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------|---------------------------|-------------------------|---------------------------|
|                                     |                       |                            |      |     | CIPS                           |           |                           |                         |        | People |         |                           |                         |                           |
| Label                               | Local authority       | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect rate per 100,000 | 95% Confidence interval |        | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |                           |
| N/A                                 | ALL ENGLAND           |                            |      |     | 196604                         | 196604.00 | 372.50                    | 370.85                  | 374.15 | 182928 | #####   | 346.59                    | 345.00                  | 348.18                    |
| 15UG                                | Restormel             | 23.9                       | Q21  | K   | 538                            | 420.35    | 476.75                    | 437.31                  | 518.80 | 475    | 390.08  | 422.04                    | 384.93                  | 461.76                    |
| 30UL                                | Ribble Valley         | 10.3                       | Q13  | B   | 231                            | 221.40    | 388.65                    | 340.14                  | 442.13 | 217    | 205.53  | 365.93                    | 318.86                  | 418.00                    |
| 00BD                                | Richmond upon Thames  | 9.7                        | Q08  | H   | 564                            | 687.97    | 305.38                    | 280.69                  | 331.65 | 523    | 641.04  | 282.77                    | 259.05                  | 308.07                    |
| 36UE                                | Richmondshire         | 12.5                       | Q11  | D   | 195                            | 188.66    | 385.02                    | 332.87                  | 443.02 | 186    | 175.32  | 367.70                    | 316.75                  | 424.51                    |
| 00BQ                                | Rochdale              | 33.7                       | Q14  | B   | 1196                           | 748.91    | 594.87                    | 561.63                  | 629.57 | 1118   | 698.36  | 554.85                    | 522.80                  | 588.35                    |
| 22UL                                | Rochford              | 8.7                        | Q03  | G   | 254                            | 323.19    | 292.75                    | 257.85                  | 331.06 | 235    | 300.15  | 271.35                    | 237.76                  | 308.36                    |
| 30UM                                | Rossendale            | 24.1                       | Q13  | B   | 319                            | 243.71    | 487.58                    | 435.54                  | 544.13 | 295    | 226.99  | 450.42                    | 400.48                  | 504.87                    |
| 21UG                                | Rother                | 16.2                       | Q19  | J   | 477                            | 471.71    | 376.68                    | 343.63                  | 412.05 | 447    | 435.43  | 355.80                    | 323.57                  | 390.36                    |
| 00CF                                | Rotherham             | 28.2                       | Q23  | D   | 1051                           | 937.94    | 417.40                    | 392.54                  | 443.41 | 971    | 873.10  | 385.45                    | 361.58                  | 410.47                    |
| 44UD                                | Rugby                 | 13.6                       | Q28  | F   | 306                            | 358.84    | 317.64                    | 283.05                  | 355.30 | 293    | 333.71  | 304.31                    | 270.46                  | 341.22                    |
| 43UG                                | Runnymede             | 7.8                        | Q19  | J   | 211                            | 333.74    | 235.50                    | 204.79                  | 269.52 | 195    | 310.11  | 217.94                    | 188.42                  | 250.77                    |
| 37UJ                                | Rushcliffe            | 9.0                        | Q24  | E   | 217                            | 429.47    | 188.21                    | 164.00                  | 214.99 | 199    | 399.12  | 172.81                    | 149.63                  | 198.56                    |
| 24UL                                | Rushmoor              | 10.4                       | Q17  | J   | 399                            | 331.94    | 447.75                    | 404.88                  | 493.91 | 372    | 309.33  | 416.80                    | 375.51                  | 461.38                    |
| 00FP                                | Rutland UA            | 6.6                        | Q25  | E   | 160                            | 149.15    | 399.61                    | 340.08                  | 466.55 | 141    | 138.44  | 352.99                    | 297.13                  | 416.30                    |
| 36UF                                | Ryedale               | 12.9                       | Q11  | D   | 175                            | 219.58    | 296.86                    | 254.51                  | 344.26 | 163    | 203.45  | 277.67                    | 236.68                  | 323.73                    |
| 00BR                                | Salford               | 38.2                       | Q14  | B   | 1395                           | 828.92    | 626.88                    | 594.41                  | 660.66 | 1283   | 772.27  | 575.80                    | 544.72                  | 608.19                    |
| 46UD                                | Salisbury             | 11.8                       | Q20  | K   | 594                            | 487.88    | 453.52                    | 417.77                  | 491.50 | 557    | 452.65  | 426.48                    | 391.79                  | 463.42                    |
| 00CS                                | Sandwell              | 35.4                       | Q27  | F   | 1090                           | 1121.54   | 362.02                    | 340.85                  | 384.17 | 1022   | 1045.33 | 338.85                    | 318.39                  | 360.28                    |
| 36UG                                | Scarborough           | 24.1                       | Q11  | D   | 391                            | 475.53    | 306.28                    | 276.67                  | 338.20 | 369    | 440.37  | 290.41                    | 261.53                  | 321.61                    |
| 20UG                                | Sedgefield            | 29.1                       | Q10  | A   | 332                            | 329.50    | 375.32                    | 336.02                  | 417.94 | 318    | 306.39  | 359.72                    | 321.27                  | 401.52                    |
| 40UC                                | Sedgemoor             | 17.4                       | Q22  | K   | 360                            | 464.47    | 288.71                    | 259.65                  | 320.13 | 335    | 430.89  | 269.46                    | 241.37                  | 299.91                    |
| 00CA                                | Sefton                | 26.1                       | Q15  | B   | 1519                           | 1127.29   | 501.93                    | 477.00                  | 527.82 | 1448   | 1045.84 | 479.86                    | 455.46                  | 505.23                    |
| 36UH                                | Selby                 | 13.1                       | Q11  | D   | 278                            | 300.73    | 344.35                    | 305.05                  | 387.30 | 261    | 279.91  | 323.17                    | 285.15                  | 364.85                    |
| 29UK                                | Sevenoaks             | 9.6                        | Q18  | J   | 589                            | 459.37    | 477.61                    | 439.81                  | 517.79 | 539    | 426.75  | 437.75                    | 401.56                  | 476.31                    |
| 00CG                                | Sheffield             | 28.4                       | Q23  | D   | 1312                           | 2034.80   | 240.18                    | 227.36                  | 253.54 | 1241   | 1893.96 | 227.10                    | 214.64                  | 240.09                    |
| 29UL                                | Shepway               | 20.8                       | Q18  | J   | 357                            | 431.37    | 308.28                    | 277.12                  | 341.97 | 331    | 400.09  | 286.73                    | 256.67                  | 319.35                    |
| 39UE                                | Shrewsbury and Atcham | 15.7                       | Q26  | F   | 349                            | 390.99    | 332.49                    | 298.52                  | 369.27 | 341    | 362.74  | 325.81                    | 292.14                  | 362.30                    |
| 00MD                                | Slough UA             | 20.9                       | Q16  | J   | 441                            | 433.50    | 378.94                    | 344.40                  | 416.02 | 401    | 405.78  | 342.50                    | 309.79                  | 377.72                    |
| 00CT                                | Solihull              | 16.4                       | Q27  | F   | 797                            | 817.64    | 363.09                    | 338.32                  | 389.20 | 736    | 759.54  | 335.84                    | 312.02                  | 361.01                    |
| 09UE                                | South Bedfordshire    | 12.3                       | Q02  | G   | 267                            | 427.39    | 232.71                    | 205.63                  | 262.36 | 255    | 398.23  | 221.93                    | 195.52                  | 250.91                    |
| 11UE                                | South Bucks           | 8.1                        | Q16  | J   | 230                            | 270.10    | 317.20                    | 277.52                  | 360.95 | 219    | 250.88  | 302.55                    | 263.80                  | 345.38                    |
| 12UG                                | South Cambridgeshire  | 6.4                        | Q01  | G   | 451                            | 537.96    | 312.28                    | 284.12                  | 342.48 | 424    | 500.67  | 293.51                    | 266.23                  | 322.82                    |

| HES data 2009-2011: CIPS file v1Eng |                          |                               |      |     | Head injuriesall ages, Females |           |                                 |                            |        |        |         |                                 |                            |        |                                 |
|-------------------------------------|--------------------------|-------------------------------|------|-----|--------------------------------|-----------|---------------------------------|----------------------------|--------|--------|---------|---------------------------------|----------------------------|--------|---------------------------------|
|                                     |                          |                               |      |     | CIPS                           |           |                                 |                            |        | People |         |                                 |                            |        |                                 |
| Label                               | Local authority          | IMD 2004:<br>Average<br>Score | StHA | GOR | Obs.                           | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval |        | Ratio of<br>spells to<br>people |
| N/A                                 | ALL ENGLAND              |                               |      |     | 196604                         | 196604.00 | 372.50                          | 370.85                     | 374.15 | 182928 | #####   | 346.59                          | 345.00                     | 348.18 | 1.1                             |
| 17UK                                | South Derbyshire         | 14.8                          | Q24  | E   | 322                            | 329.82    | 363.67                          | 325.02                     | 405.64 | 302    | 307.25  | 340.66                          | 303.32                     | 381.33 | 1.1                             |
| 00HD                                | South Gloucestershire UA | 9.8                           | Q20  | K   | 797                            | 948.65    | 312.95                          | 291.60                     | 335.45 | 746    | 883.09  | 292.78                          | 272.14                     | 314.57 | 1.1                             |
| 18UG                                | South Hams               | 14.2                          | Q21  | K   | 330                            | 349.37    | 351.85                          | 314.90                     | 391.93 | 285    | 323.47  | 305.36                          | 270.93                     | 342.95 | 1.2                             |
| 32UF                                | South Holland            | 15.3                          | Q24  | E   | 267                            | 349.16    | 284.85                          | 251.70                     | 321.15 | 257    | 323.73  | 275.14                          | 242.53                     | 310.92 | 1.0                             |
| 32UG                                | South Kesteven           | 12.2                          | Q24  | E   | 409                            | 514.02    | 296.39                          | 268.36                     | 326.56 | 385    | 477.47  | 279.46                          | 252.24                     | 308.82 | 1.1                             |
| 16UG                                | South Lakeland           | 12.0                          | Q13  | B   | 367                            | 454.29    | 300.92                          | 270.92                     | 333.34 | 346    | 420.31  | 285.31                          | 256.03                     | 317.01 | 1.1                             |
| 33UH                                | South Norfolk            | 10.7                          | Q01  | G   | 286                            | 481.55    | 221.23                          | 196.33                     | 248.41 | 256    | 446.79  | 198.59                          | 175.00                     | 224.46 | 1.1                             |
| 34UG                                | South Northamptonshire   | 6.6                           | Q25  | E   | 232                            | 311.42    | 277.50                          | 242.94                     | 315.60 | 218    | 289.87  | 260.65                          | 227.20                     | 297.65 | 1.1                             |
| 38UD                                | South Oxfordshire        | 7.7                           | Q16  | J   | 439                            | 505.79    | 323.31                          | 293.77                     | 355.02 | 416    | 470.20  | 306.63                          | 277.87                     | 337.56 | 1.1                             |
| 30UN                                | South Ribble             | 14.0                          | Q13  | B   | 329                            | 398.74    | 307.35                          | 275.03                     | 342.42 | 315    | 370.88  | 294.37                          | 262.75                     | 328.74 | 1.0                             |
| 39UF                                | South Shropshire         | 15.5                          | Q26  | F   | 116                            | 181.59    | 237.95                          | 196.62                     | 285.40 | 106    | 168.10  | 218.55                          | 178.92                     | 264.33 | 1.1                             |
| 40UD                                | South Somerset           | 13.7                          | Q22  | K   | 849                            | 676.66    | 467.37                          | 436.46                     | 499.90 | 770    | 627.33  | 425.41                          | 395.88                     | 456.55 | 1.1                             |
| 41UF                                | South Staffordshire      | 11.7                          | Q26  | F   | 273                            | 410.27    | 247.87                          | 219.33                     | 279.08 | 248    | 380.60  | 225.84                          | 198.60                     | 255.77 | 1.1                             |
| 00CL                                | South Tyneside           | 33.1                          | Q09  | A   | 648                            | 603.99    | 399.64                          | 369.46                     | 431.63 | 611    | 561.02  | 377.46                          | 348.12                     | 408.62 | 1.1                             |
| 00MS                                | Southampton UA           | 23.7                          | Q17  | J   | 1141                           | 868.96    | 489.11                          | 461.14                     | 518.34 | 1067   | 809.48  | 456.84                          | 429.84                     | 485.10 | 1.1                             |
| 00KF                                | Southend-On-Sea UA       | 21.7                          | Q03  | G   | 641                            | 705.44    | 338.47                          | 312.77                     | 365.72 | 594    | 654.77  | 314.42                          | 289.64                     | 340.75 | 1.1                             |
| 00BE                                | Southwark                | 35.4                          | Q07  | H   | 826                            | 884.37    | 347.91                          | 324.59                     | 372.47 | 792    | 827.65  | 331.66                          | 308.96                     | 355.58 | 1.0                             |
| 43UH                                | Spelthorne               | 10.4                          | Q19  | J   | 243                            | 364.33    | 248.44                          | 218.19                     | 281.73 | 230    | 338.64  | 235.40                          | 205.96                     | 267.87 | 1.1                             |
| 26UG                                | St. Albans               | 7.7                           | Q02  | G   | 314                            | 519.78    | 225.03                          | 200.82                     | 251.35 | 295    | 484.21  | 211.15                          | 187.74                     | 236.68 | 1.1                             |
| 42UF                                | St. Edmundsbury          | 11.5                          | Q01  | G   | 351                            | 400.51    | 326.45                          | 293.19                     | 362.45 | 335    | 372.11  | 312.02                          | 279.50                     | 347.29 | 1.0                             |
| 00BZ                                | St. Helens               | 32.0                          | Q15  | B   | 1238                           | 652.89    | 706.32                          | 667.52                     | 746.79 | 1135   | 607.64  | 647.38                          | 610.26                     | 686.17 | 1.1                             |
| 41UG                                | Stafford                 | 12.9                          | Q26  | F   | 565                            | 489.98    | 429.53                          | 394.83                     | 466.45 | 531    | 454.87  | 404.59                          | 370.91                     | 440.52 | 1.1                             |
| 41UH                                | Staffordshire Moorlands  | 16.5                          | Q26  | F   | 334                            | 372.96    | 333.58                          | 298.76                     | 371.35 | 306    | 345.94  | 306.58                          | 273.18                     | 342.92 | 1.1                             |
| 26UH                                | Stevenage                | 15.6                          | Q02  | G   | 235                            | 288.74    | 303.17                          | 265.64                     | 344.51 | 210    | 269.19  | 270.37                          | 235.04                     | 309.52 | 1.1                             |
| 00BS                                | Stockport                | 18.1                          | Q14  | B   | 1546                           | 1114.60   | 516.67                          | 491.23                     | 543.08 | 1426   | 1035.65 | 477.22                          | 452.77                     | 502.64 | 1.1                             |
| 00EF                                | Stockton-On-Tees UA      | 26.3                          | Q10  | A   | 830                            | 688.21    | 449.24                          | 419.20                     | 480.88 | 766    | 641.23  | 414.02                          | 385.22                     | 444.41 | 1.1                             |
| 00GL                                | Stoke-On-Trent UA        | 35.3                          | Q26  | F   | 916                            | 914.87    | 372.96                          | 349.19                     | 397.91 | 841    | 852.17  | 342.04                          | 319.31                     | 365.96 | 1.1                             |
| 44UE                                | Stratford-On-Avon        | 8.8                           | Q28  | F   | 399                            | 492.26    | 301.93                          | 273.02                     | 333.06 | 381    | 456.53  | 289.24                          | 260.92                     | 319.80 | 1.0                             |
| 23UF                                | Stroud                   | 10.2                          | Q20  | K   | 278                            | 453.45    | 228.37                          | 202.31                     | 256.85 | 250    | 420.72  | 205.95                          | 181.20                     | 233.12 | 1.1                             |
| 42UG                                | Suffolk Coastal          | 11.5                          | Q01  | G   | 284                            | 530.51    | 199.41                          | 176.89                     | 224.00 | 268    | 491.52  | 188.97                          | 167.02                     | 213.01 | 1.1                             |
| 00CM                                | Sunderland               | 34.2                          | Q09  | A   | 1154                           | 1027.73   | 418.26                          | 394.47                     | 443.11 | 1092   | 956.46  | 395.70                          | 372.57                     | 419.88 | 1.1                             |
| 43UJ                                | Surrey Heath             | 4.9                           | Q19  | J   | 334                            | 308.96    | 402.69                          | 360.65                     | 448.27 | 307    | 287.59  | 369.97                          | 329.74                     | 413.76 | 1.1                             |

| HES data 2009-2011: CIPS file v1Eng |                       |                            |      |     | Head injuriesall ages, Females |           |                                 |                            |        |         |                                 |                            |                                 |  |
|-------------------------------------|-----------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------------|----------------------------|--------|---------|---------------------------------|----------------------------|---------------------------------|--|
|                                     |                       |                            |      |     | CIPS                           |           |                                 |                            |        | People  |                                 |                            |                                 |  |
| Label                               | Local authority       | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Obs.   | Exp.    | indirect<br>rate per<br>100,000 | 95% Confidence<br>interval | Ratio of<br>spells to<br>people |  |
| N/A                                 | ALL ENGLAND           |                            |      |     | 196604                         | 196604.00 | 372.50                          | 370.85 374.15              | 182928 | #####   | 346.59                          | 345.00 348.18              | 1.1                             |  |
| 00BF                                | Sutton                | 13.3                       | Q08  | H   | 826                            | 709.26    | 433.80                          | 404.72 464.43              | 747    | 660.76  | 391.82                          | 364.22 420.96              | 1.1                             |  |
| 29UM                                | Swale                 | 20.9                       | Q18  | J   | 514                            | 479.44    | 399.35                          | 365.56 435.41              | 447    | 446.55  | 346.94                          | 315.52 380.64              | 1.1                             |  |
| 00HX                                | Swindon UA            | 17.2                       | Q20  | K   | 694                            | 705.34    | 366.51                          | 339.74 394.82              | 641    | 657.60  | 337.84                          | 312.19 365.04              | 1.1                             |  |
| 00BT                                | Tameside              | 29.8                       | Q14  | B   | 825                            | 802.05    | 383.16                          | 357.45 410.22              | 782    | 747.00  | 362.83                          | 337.84 389.17              | 1.1                             |  |
| 41UK                                | Tamworth              | 19.7                       | Q26  | F   | 253                            | 256.39    | 367.57                          | 323.67 415.77              | 245    | 239.30  | 354.85                          | 311.80 402.18              | 1.0                             |  |
| 43UK                                | Tandridge             | 8.3                        | Q19  | J   | 314                            | 339.71    | 344.30                          | 307.27 384.57              | 289    | 315.49  | 317.48                          | 281.93 356.28              | 1.1                             |  |
| 40UE                                | Taunton Deane         | 16.3                       | Q22  | K   | 519                            | 471.63    | 409.91                          | 375.40 446.74              | 468    | 437.31  | 370.91                          | 338.06 406.09              | 1.1                             |  |
| 20UH                                | Teesdale              | 16.4                       | Q10  | A   | 70                             | 97.02     | 268.76                          | 209.50 339.56              | 63     | 89.92   | 242.83                          | 186.59 310.69              | 1.1                             |  |
| 18UH                                | Teignbridge           | 17.0                       | Q21  | K   | 602                            | 576.58    | 388.92                          | 358.46 421.26              | 519    | 533.45  | 337.20                          | 308.81 367.50              | 1.2                             |  |
| 00GF                                | Telford and Wrekin UA | 21.8                       | Q26  | F   | 383                            | 567.95    | 251.19                          | 226.66 277.66              | 354    | 529.74  | 231.61                          | 208.10 257.04              | 1.1                             |  |
| 22UN                                | Tendring              | 23.1                       | Q03  | G   | 499                            | 721.57    | 257.60                          | 235.49 281.22              | 467    | 666.94  | 242.68                          | 221.17 265.72              | 1.1                             |  |
| 24UN                                | Test Valley           | 8.7                        | Q17  | J   | 345                            | 449.42    | 285.95                          | 256.57 317.77              | 320    | 417.43  | 265.69                          | 237.37 296.46              | 1.1                             |  |
| 23UG                                | Tewkesbury            | 10.1                       | Q20  | K   | 235                            | 327.77    | 267.07                          | 234.01 303.49              | 210    | 304.13  | 239.32                          | 208.04 273.97              | 1.1                             |  |
| 29UN                                | Thanet                | 25.6                       | Q18  | J   | 551                            | 579.98    | 353.89                          | 324.95 384.71              | 521    | 537.82  | 335.74                          | 307.53 365.85              | 1.1                             |  |
| 26UJ                                | Three Rivers          | 9.4                        | Q02  | G   | 241                            | 350.75    | 255.94                          | 224.65 290.38              | 233    | 325.97  | 247.73                          | 216.94 281.67              | 1.0                             |  |
| 00KG                                | Thurrock UA           | 21.2                       | Q03  | G   | 368                            | 564.69    | 242.75                          | 218.58 268.86              | 333    | 526.94  | 219.02                          | 196.13 243.86              | 1.1                             |  |
| 29UP                                | Tonbridge and Malling | 9.6                        | Q18  | J   | 537                            | 433.56    | 461.37                          | 423.17 502.10              | 496    | 403.71  | 425.82                          | 389.16 465.00              | 1.1                             |  |
| 00HH                                | Torbay UA             | 23.7                       | Q21  | K   | 734                            | 628.61    | 434.95                          | 404.05 467.59              | 627    | 581.61  | 373.64                          | 344.96 404.06              | 1.2                             |  |
| 18UK                                | Torridge              | 21.4                       | Q21  | K   | 213                            | 275.88    | 287.59                          | 250.26 328.92              | 193    | 255.52  | 261.78                          | 226.15 301.43              | 1.1                             |  |
| 00BG                                | Tower Hamlets         | 45.9                       | Q06  | H   | 647                            | 681.04    | 353.88                          | 327.13 382.23              | 612    | 640.33  | 331.25                          | 305.52 358.57              | 1.1                             |  |
| 00BU                                | Trafford              | 20.2                       | Q14  | B   | 957                            | 819.88    | 434.79                          | 407.68 463.24              | 891    | 762.97  | 404.74                          | 378.60 432.22              | 1.1                             |  |
| 29UQ                                | Tunbridge Wells       | 10.5                       | Q18  | J   | 752                            | 431.72    | 648.85                          | 603.29 696.93              | 682    | 401.28  | 589.04                          | 545.65 634.96              | 1.1                             |  |
| 35UF                                | Tynedale              | 15.5                       | Q09  | A   | 243                            | 240.56    | 376.28                          | 330.45 426.69              | 221    | 222.94  | 343.56                          | 299.76 391.97              | 1.1                             |  |
| 22UQ                                | Uttlesford            | 6.7                        | Q03  | G   | 230                            | 283.30    | 302.42                          | 264.59 344.13              | 215    | 263.53  | 282.76                          | 246.23 323.20              | 1.1                             |  |
| 38UE                                | Vale of White Horse   | 6.9                        | Q16  | J   | 472                            | 461.11    | 381.29                          | 347.66 417.29              | 437    | 428.54  | 353.43                          | 321.06 388.17              | 1.1                             |  |
| 13UH                                | Vale Royal            | 17.1                       | Q15  | B   | 650                            | 478.34    | 506.17                          | 468.00 546.63              | 601    | 444.80  | 468.30                          | 431.60 507.28              | 1.1                             |  |
| 00DB                                | Wakefield             | 29.1                       | Q12  | D   | 1333                           | 1200.93   | 413.46                          | 391.56 436.27              | 1270   | 1117.43 | 393.91                          | 372.54 416.18              | 1.0                             |  |
| 00CU                                | Walsall               | 29.4                       | Q27  | F   | 693                            | 990.53    | 260.61                          | 241.56 280.75              | 662    | 922.44  | 248.73                          | 230.14 268.42              | 1.0                             |  |
| 00BH                                | Waltham Forest        | 30.2                       | Q06  | H   | 940                            | 761.96    | 459.53                          | 430.62 489.88              | 877    | 713.08  | 426.26                          | 398.51 455.43              | 1.1                             |  |
| 00BJ                                | Wandsworth            | 20.9                       | Q08  | H   | 1076                           | 950.88    | 421.51                          | 396.70 447.47              | 989    | 888.71  | 385.70                          | 362.03 410.50              | 1.1                             |  |
| 35UG                                | Wansbeck              | 30.5                       | Q09  | A   | 398                            | 233.72    | 634.31                          | 573.52 699.80              | 359    | 217.26  | 572.68                          | 514.97 635.10              | 1.1                             |  |
| 00EU                                | Warrington UA         | 19.4                       | Q15  | B   | 1297                           | 709.22    | 681.21                          | 644.64 719.32              | 1194   | 660.49  | 626.54                          | 591.50 663.11              | 1.1                             |  |

| HES data 2009-2011: CIPS file v1Eng |                           |                            |      |     | Head injuriesall ages, Females |           |                           |                         |        |        |         |                           |                         | Ratio of spells to people |
|-------------------------------------|---------------------------|----------------------------|------|-----|--------------------------------|-----------|---------------------------|-------------------------|--------|--------|---------|---------------------------|-------------------------|---------------------------|
|                                     |                           |                            |      |     | CIPS                           |           |                           |                         |        | People |         |                           |                         |                           |
| Label                               | Local authority           | IMD 2004:<br>Average Score | StHA | GOR | Obs.                           | Exp.      | indirect rate per 100,000 | 95% Confidence interval |        | Obs.   | Exp.    | indirect rate per 100,000 | 95% Confidence interval |                           |
| N/A                                 | ALL ENGLAND               |                            |      |     | 196604                         | 196604.00 | 372.50                    | 370.85                  | 374.15 | 182928 | #####   | 346.59                    | 345.00                  | 348.18                    |
| 44UF                                | Warwick                   | 12.6                       | Q28  | F   | 468                            | 524.69    | 332.25                    | 302.82                  | 363.76 | 452    | 487.61  | 321.27                    | 292.33                  | 352.30                    |
| 26UK                                | Watford                   | 14.5                       | Q02  | G   | 225                            | 301.09    | 278.37                    | 243.18                  | 317.21 | 212    | 280.90  | 261.57                    | 227.54                  | 299.26                    |
| 42UH                                | Waveney                   | 21.8                       | Q01  | G   | 316                            | 518.61    | 226.97                    | 202.63                  | 253.43 | 287    | 480.42  | 207.05                    | 183.78                  | 232.44                    |
| 43UL                                | Waverley                  | 6.2                        | Q19  | J   | 468                            | 509.49    | 342.16                    | 311.86                  | 374.61 | 443    | 472.89  | 324.68                    | 295.14                  | 356.37                    |
| 21UH                                | Wealden                   | 9.4                        | Q19  | J   | 746                            | 638.19    | 435.42                    | 404.73                  | 467.82 | 693    | 590.89  | 406.48                    | 376.77                  | 437.90                    |
| 20UJ                                | Wear Valley               | 32.6                       | Q10  | A   | 255                            | 253.90    | 374.11                    | 329.59                  | 422.96 | 236    | 235.90  | 346.73                    | 303.90                  | 393.90                    |
| 34UH                                | Wellingborough            | 17.5                       | Q25  | E   | 220                            | 275.57    | 297.38                    | 259.38                  | 339.38 | 202    | 256.62  | 272.82                    | 236.49                  | 313.15                    |
| 26UL                                | Welwyn Hatfield           | 12.6                       | Q02  | G   | 247                            | 427.77    | 215.08                    | 189.09                  | 243.65 | 232    | 398.28  | 201.89                    | 176.74                  | 229.61                    |
| 00MB                                | West Berkshire UA         | 7.9                        | Q16  | J   | 321                            | 547.19    | 218.52                    | 195.26                  | 243.78 | 303    | 509.86  | 205.97                    | 183.43                  | 230.52                    |
| 18UL                                | West Devon                | 16.3                       | Q21  | K   | 186                            | 221.39    | 312.96                    | 269.59                  | 361.31 | 169    | 205.09  | 285.60                    | 244.16                  | 332.06                    |
| 19UH                                | West Dorset               | 13.3                       | Q22  | K   | 404                            | 462.67    | 325.26                    | 294.31                  | 358.58 | 361    | 427.66  | 292.56                    | 263.16                  | 324.36                    |
| 30UP                                | West Lancashire           | 21.1                       | Q13  | B   | 537                            | 412.45    | 484.98                    | 444.82                  | 527.79 | 503    | 383.66  | 454.39                    | 415.54                  | 495.89                    |
| 32UH                                | West Lindsey              | 17.7                       | Q24  | E   | 366                            | 340.70    | 400.15                    | 360.20                  | 443.32 | 340    | 316.31  | 372.54                    | 333.99                  | 414.33                    |
| 38UF                                | West Oxfordshire          | 6.3                        | Q16  | J   | 385                            | 412.14    | 347.97                    | 314.07                  | 384.52 | 371    | 382.85  | 335.86                    | 302.55                  | 371.83                    |
| 40UF                                | West Somerset             | 22.1                       | Q22  | K   | 180                            | 183.14    | 366.10                    | 314.57                  | 423.67 | 150    | 169.05  | 307.53                    | 260.29                  | 360.88                    |
| 46UF                                | West Wiltshire            | 12.0                       | Q20  | K   | 498                            | 512.65    | 361.85                    | 330.76                  | 395.07 | 451    | 475.99  | 328.39                    | 298.78                  | 360.14                    |
| 00BK                                | Westminster               | 31.7                       | Q04  | H   | 832                            | 786.38    | 394.10                    | 367.78                  | 421.82 | 760    | 733.81  | 358.96                    | 333.88                  | 385.41                    |
| 19UJ                                | Weymouth and Portland     | 21.2                       | Q22  | K   | 264                            | 271.20    | 362.60                    | 320.18                  | 409.09 | 239    | 251.34  | 329.56                    | 289.10                  | 374.10                    |
| 00BW                                | Wigan                     | 29.3                       | Q14  | B   | 1502                           | 1080.41   | 517.85                    | 491.99                  | 544.72 | 1391   | 1006.57 | 478.96                    | 454.11                  | 504.80                    |
| 24UP                                | Winchester                | 7.0                        | Q17  | J   | 404                            | 462.66    | 325.27                    | 294.32                  | 358.59 | 381    | 429.57  | 307.40                    | 277.30                  | 339.87                    |
| 00ME                                | Windsor and Maidenhead UA | 8.2                        | Q16  | J   | 439                            | 537.20    | 304.40                    | 276.59                  | 334.25 | 418    | 499.87  | 289.82                    | 262.70                  | 318.98                    |
| 00CB                                | Wirral                    | 30.1                       | Q15  | B   | 1749                           | 1280.53   | 508.77                    | 485.20                  | 533.19 | 1650   | 1189.15 | 480.90                    | 457.97                  | 504.68                    |
| 43UM                                | Woking                    | 7.3                        | Q19  | J   | 291                            | 352.76    | 307.28                    | 272.99                  | 344.69 | 275    | 328.44  | 290.20                    | 256.91                  | 326.60                    |
| 00MF                                | Wokingham UA              | 5.1                        | Q16  | J   | 313                            | 553.84    | 210.51                    | 187.84                  | 235.18 | 301    | 516.34  | 202.04                    | 179.86                  | 226.21                    |
| 00CW                                | Wolverhampton             | 32.2                       | Q27  | F   | 478                            | 914.42    | 194.72                    | 177.65                  | 212.98 | 456    | 851.23  | 185.66                    | 169.01                  | 203.51                    |
| 47UE                                | Worcester                 | 17.7                       | Q28  | F   | 344                            | 354.01    | 361.97                    | 324.72                  | 402.31 | 319    | 329.67  | 335.37                    | 299.57                  | 374.26                    |
| 45UH                                | Worthing                  | 15.7                       | Q19  | J   | 474                            | 492.21    | 358.72                    | 327.15                  | 392.52 | 439    | 455.52  | 334.01                    | 303.49                  | 366.77                    |
| 47UF                                | Wychavon                  | 11.3                       | Q28  | F   | 402                            | 465.30    | 321.82                    | 291.13                  | 354.88 | 365    | 431.61  | 293.10                    | 263.80                  | 324.77                    |
| 11UF                                | Wycombe                   | 9.7                        | Q16  | J   | 437                            | 611.14    | 266.36                    | 241.96                  | 292.54 | 413    | 569.24  | 251.46                    | 227.79                  | 276.92                    |
| 30UQ                                | Wyre                      | 17.8                       | Q13  | B   | 401                            | 478.72    | 312.02                    | 282.23                  | 344.11 | 382    | 443.39  | 298.60                    | 269.40                  | 330.10                    |
| 47UG                                | Wyre Forest               | 17.8                       | Q28  | F   | 282                            | 386.43    | 271.83                    | 241.03                  | 305.48 | 257    | 358.63  | 248.37                    | 218.93                  | 280.67                    |
| 00FF                                | York UA                   | 14.5                       | Q11  | D   | 713                            | 768.26    | 345.70                    | 320.79                  | 372.04 | 670    | 713.99  | 325.23                    | 301.07                  | 350.82                    |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Halton UA                   | 714.69                         | 818.44 | 765.25                           |
| Liverpool                   | 715.56                         | 768.08 | 741.47                           |
| St. Helens                  | 667.52                         | 746.79 | 706.32                           |
| Knowsley                    | 649.57                         | 735.11 | 691.35                           |
| Warrington UA               | 644.64                         | 719.32 | 681.21                           |
| Tunbridge Wells             | 603.29                         | 696.93 | 648.85                           |
| Wansbeck                    | 573.52                         | 699.80 | 634.31                           |
| Salford                     | 594.41                         | 660.66 | 626.88                           |
| Lincoln                     | 567.64                         | 669.71 | 617.10                           |
| Ellesmere Port and Neston   | 548.82                         | 655.77 | 600.52                           |
| Rochdale                    | 561.63                         | 629.57 | 594.87                           |
| Crewe and Nantwich          | 531.85                         | 618.14 | 573.78                           |
| North Tyneside              | 518.58                         | 583.17 | 550.16                           |
| Hammersmith and Fulham      | 509.95                         | 585.73 | 546.86                           |
| Chester                     | 496.45                         | 578.02 | 536.07                           |
| Poole UA                    | 498.27                         | 568.71 | 532.62                           |
| Manchester                  | 509.50                         | 553.02 | 530.92                           |
| Castle Morpeth              | 468.73                         | 595.37 | 529.23                           |
| Islington                   | 491.94                         | 565.53 | 527.77                           |
| Wigan                       | 491.99                         | 544.72 | 517.85                           |
| Stockport                   | 491.23                         | 543.08 | 516.67                           |
| Macclesfield                | 479.73                         | 548.63 | 513.31                           |
| Wirral                      | 485.20                         | 533.19 | 508.77                           |
| Kerrier                     | 466.07                         | 551.87 | 507.62                           |
| Calderdale                  | 476.67                         | 538.64 | 506.95                           |
| Vale Royal                  | 468.00                         | 546.63 | 506.17                           |
| Portsmouth UA               | 474.62                         | 537.36 | 505.26                           |
| Sefton                      | 477.00                         | 527.82 | 501.93                           |
| Oldham                      | 472.60                         | 532.35 | 501.81                           |
| Blyth Valley                | 448.41                         | 547.71 | 496.21                           |
| Derwentside                 | 445.20                         | 536.31 | 489.17                           |
| Southampton UA              | 461.14                         | 518.34 | 489.11                           |
| Congleton                   | 444.60                         | 534.06 | 487.80                           |
| Rossendale                  | 435.54                         | 544.13 | 487.58                           |
| West Lancashire             | 444.82                         | 527.79 | 484.98                           |
| Durham                      | 439.58                         | 533.01 | 484.61                           |
| Leeds                       | 467.11                         | 498.30 | 482.52                           |
| Chester-Le-Street           | 420.82                         | 542.22 | 478.66                           |
| Sevenoaks                   | 439.81                         | 517.79 | 477.61                           |
| Restormel                   | 437.31                         | 518.80 | 476.75                           |
| Carrick                     | 433.36                         | 514.69 | 472.72                           |
| South Somerset              | 436.46                         | 499.90 | 467.37                           |
| Camden                      | 435.84                         | 498.37 | 466.32                           |
| Tonbridge and Malling       | 423.17                         | 502.10 | 461.37                           |
| Waltham Forest              | 430.62                         | 489.88 | 459.53                           |
| Brighton and Hove UA        | 431.96                         | 483.75 | 457.30                           |
| Blackpool UA                | 421.61                         | 490.17 | 454.92                           |
| Salisbury                   | 417.77                         | 491.50 | 453.52                           |
| Ealing                      | 428.46                         | 478.57 | 453.00                           |
| Oxford                      | 415.71                         | 486.51 | 450.07                           |
| North Kesteven              | 410.80                         | 490.85 | 449.49                           |
| Stockton-On-Tees UA         | 419.20                         | 480.88 | 449.24                           |
| Kirklees                    | 428.25                         | 469.91 | 448.72                           |
| Rushmoor                    | 404.88                         | 493.91 | 447.75                           |
| High Peak                   | 405.51                         | 492.04 | 447.21                           |
| Hastings                    | 405.47                         | 490.65 | 446.54                           |
| Hartlepool UA               | 403.64                         | 491.90 | 446.14                           |
| Gosport                     | 399.36                         | 490.27 | 443.08                           |
| Gravesham                   | 399.18                         | 482.72 | 439.47                           |
| Kings Lynn and West Norfolk | 404.68                         | 469.82 | 436.34                           |

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

| <b>Local authority</b>   | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|--------------------------|--------------------------------|--------|----------------------------------|
| Wealden                  | 404.73                         | 467.82 | 435.42                           |
| Coventry                 | 412.64                         | 459.05 | 435.38                           |
| Cannock Chase            | 393.28                         | 480.12 | 435.09                           |
| Torbay UA                | 404.05                         | 467.59 | 434.95                           |
| Trafford                 | 407.68                         | 463.24 | 434.79                           |
| Middlesborough UA        | 400.83                         | 470.74 | 434.74                           |
| Sutton                   | 404.72                         | 464.43 | 433.80                           |
| Stafford                 | 394.83                         | 466.45 | 429.53                           |
| Easington                | 388.06                         | 471.65 | 428.33                           |
| Redbridge                | 401.85                         | 452.95 | 426.82                           |
| Barnsley                 | 399.47                         | 453.82 | 426.00                           |
| Burnley                  | 383.48                         | 470.27 | 425.22                           |
| Wandsworth               | 396.70                         | 447.47 | 421.51                           |
| Redditch                 | 375.60                         | 470.44 | 421.03                           |
| Oadby and Wigston        | 371.22                         | 475.21 | 420.82                           |
| Leicester UA             | 395.82                         | 443.50 | 419.15                           |
| Mole Valley              | 378.15                         | 461.77 | 418.40                           |
| Sunderland               | 394.47                         | 443.11 | 418.26                           |
| Preston                  | 383.16                         | 455.45 | 418.14                           |
| Rotherham                | 392.54                         | 443.41 | 417.40                           |
| Reigate and Banstead     | 383.93                         | 451.06 | 416.48                           |
| Havant                   | 381.26                         | 451.65 | 415.34                           |
| Chichester               | 381.77                         | 450.42 | 415.04                           |
| Medway UA                | 389.13                         | 441.35 | 414.62                           |
| Hounslow                 | 386.99                         | 443.60 | 414.57                           |
| Wakefield                | 391.56                         | 436.27 | 413.46                           |
| Bristol, City of UA      | 392.31                         | 431.54 | 411.57                           |
| Lichfield                | 371.33                         | 452.41 | 410.37                           |
| Purbeck                  | 357.37                         | 468.78 | 410.26                           |
| Lambeth                  | 383.77                         | 437.64 | 410.04                           |
| Taunton Deane            | 375.40                         | 446.74 | 409.91                           |
| Epsom and Ewell          | 363.14                         | 453.68 | 406.53                           |
| Milton Keynes UA         | 379.37                         | 433.96 | 405.98                           |
| Eastbourne               | 371.45                         | 441.68 | 405.43                           |
| Bournemouth UA           | 376.59                         | 432.81 | 403.97                           |
| Boston                   | 356.36                         | 455.54 | 403.68                           |
| Surrey Heath             | 360.65                         | 448.27 | 402.69                           |
| North Cornwall           | 362.61                         | 442.79 | 401.20                           |
| West Lindsey             | 360.20                         | 443.32 | 400.15                           |
| South Tyneside           | 369.46                         | 431.63 | 399.64                           |
| Rutland UA               | 340.08                         | 466.55 | 399.61                           |
| Swale                    | 365.56                         | 435.41 | 399.35                           |
| Dartford                 | 358.92                         | 442.53 | 399.09                           |
| Hambleton                | 358.42                         | 440.62 | 397.94                           |
| New Forest               | 371.26                         | 424.29 | 397.11                           |
| Kennet                   | 352.47                         | 440.20 | 394.52                           |
| Westminster              | 367.78                         | 421.82 | 394.10                           |
| Bury                     | 365.55                         | 423.73 | 393.84                           |
| Barking and Dagenham     | 365.35                         | 423.90 | 393.81                           |
| Peterborough UA          | 363.26                         | 424.40 | 392.94                           |
| Birmingham               | 380.65                         | 405.03 | 392.70                           |
| Lancaster                | 361.45                         | 425.90 | 392.69                           |
| Plymouth UA              | 368.15                         | 416.38 | 391.71                           |
| Dudley                   | 368.72                         | 412.61 | 390.20                           |
| Teignbridge              | 358.46                         | 421.26 | 388.92                           |
| Blackburn with Darwen UA | 355.87                         | 423.72 | 388.68                           |
| Ribble Valley            | 340.14                         | 442.13 | 388.65                           |
| Mendip                   | 352.78                         | 424.45 | 387.38                           |
| Epping Forest            | 354.21                         | 422.70 | 387.33                           |
| Crawley                  | 349.24                         | 426.68 | 386.51                           |

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

| <b>Local authority</b>         | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|--------------------------------|--------------------------------|--------|----------------------------------|
| Richmondshire                  | 332.87                         | 443.02 | 385.02                           |
| Barnet                         | 364.20                         | 405.60 | 384.48                           |
| Penwith                        | 342.40                         | 430.30 | 384.48                           |
| Lewisham                       | 358.56                         | 409.71 | 383.49                           |
| East Staffordshire             | 347.94                         | 421.61 | 383.45                           |
| Tameside                       | 357.45                         | 410.22 | 383.16                           |
| Kensington and Chelsea         | 351.88                         | 412.82 | 381.44                           |
| Vale of White Horse            | 347.66                         | 417.29 | 381.29                           |
| Derby UA                       | 356.72                         | 405.67 | 380.61                           |
| Chesterfield                   | 344.10                         | 417.92 | 379.67                           |
| Slough UA                      | 344.40                         | 416.02 | 378.94                           |
| Hyndburn                       | 337.36                         | 423.49 | 378.60                           |
| Merton                         | 351.53                         | 406.94 | 378.48                           |
| Rother                         | 343.63                         | 412.05 | 376.68                           |
| Tynedale                       | 330.45                         | 426.69 | 376.28                           |
| Hillingdon                     | 352.08                         | 400.20 | 375.56                           |
| Sedgefield                     | 336.02                         | 417.94 | 375.32                           |
| Bradford                       | 358.35                         | 392.43 | 375.10                           |
| Maldon                         | 328.55                         | 425.38 | 374.64                           |
| Lewes                          | 340.73                         | 410.29 | 374.31                           |
| Nuneaton and Bedworth          | 340.41                         | 410.41 | 374.19                           |
| Wear Valley                    | 329.59                         | 422.96 | 374.11                           |
| Cherwell                       | 341.64                         | 407.13 | 373.31                           |
| Fareham                        | 339.60                         | 409.44 | 373.30                           |
| Stoke-On-Trent UA              | 349.19                         | 397.91 | 372.96                           |
| Cambridge                      | 337.96                         | 410.56 | 372.94                           |
| Croydon                        | 350.74                         | 393.15 | 371.49                           |
| Gateshead                      | 344.43                         | 399.20 | 371.06                           |
| Kingston upon Hull, City of UA | 346.38                         | 394.96 | 370.07                           |
| North West Leicestershire      | 331.25                         | 411.33 | 369.67                           |
| Newcastle upon Tyne            | 347.29                         | 392.38 | 369.32                           |
| North Devon                    | 333.36                         | 407.70 | 369.13                           |
| Darlington UA                  | 333.25                         | 406.94 | 368.72                           |
| Bath and North East Somerset   | 341.59                         | 397.14 | 368.58                           |
| Haringey                       | 341.48                         | 396.75 | 368.34                           |
| Tamworth                       | 323.67                         | 415.77 | 367.57                           |
| Corby                          | 316.95                         | 422.15 | 366.75                           |
| Swindon UA                     | 339.74                         | 394.82 | 366.51                           |
| West Somerset                  | 314.57                         | 423.67 | 366.10                           |
| Alnwick                        | 305.70                         | 434.48 | 365.90                           |
| Pendle                         | 326.98                         | 406.29 | 365.03                           |
| South Derbyshire               | 325.02                         | 405.64 | 363.67                           |
| Fenland                        | 327.13                         | 403.08 | 363.63                           |
| Blaby                          | 326.02                         | 404.31 | 363.59                           |
| Cheltenham                     | 331.13                         | 398.32 | 363.56                           |
| Solihull                       | 338.32                         | 389.20 | 363.09                           |
| Weymouth and Portland          | 320.18                         | 409.09 | 362.60                           |
| Sandwell                       | 340.85                         | 384.17 | 362.02                           |
| Worcester                      | 324.72                         | 402.31 | 361.97                           |
| West Wiltshire                 | 330.76                         | 395.07 | 361.85                           |
| Horsham                        | 330.96                         | 394.75 | 361.80                           |
| Basingstoke and Deane          | 329.84                         | 391.04 | 359.47                           |
| East Dorset                    | 324.77                         | 395.88 | 359.01                           |
| Worthing                       | 327.15                         | 392.52 | 358.72                           |
| Kettering                      | 320.67                         | 399.25 | 358.35                           |
| Braintree                      | 325.65                         | 387.34 | 355.49                           |
| Thanet                         | 324.95                         | 384.71 | 353.89                           |
| Tower Hamlets                  | 327.13                         | 382.23 | 353.88                           |
| Fylde                          | 315.61                         | 393.75 | 353.07                           |
| East Devon                     | 325.75                         | 381.86 | 352.97                           |

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

| <b>Local authority</b>     | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|----------------------------|--------------------------------|--------|----------------------------------|
| Charnwood                  | 323.91                         | 382.72 | 352.40                           |
| Mid Sussex                 | 321.84                         | 384.56 | 352.16                           |
| South Hams                 | 314.90                         | 391.93 | 351.85                           |
| Chelmsford                 | 323.40                         | 381.22 | 351.42                           |
| Newcastle-under-Lyme       | 318.85                         | 384.10 | 350.34                           |
| North East Derbyshire      | 314.35                         | 388.15 | 349.80                           |
| Hackney                    | 323.30                         | 377.03 | 349.39                           |
| Bromsgrove                 | 313.53                         | 387.96 | 349.27                           |
| Bassetlaw                  | 314.64                         | 384.81 | 348.40                           |
| West Oxfordshire           | 314.07                         | 384.52 | 347.97                           |
| North Dorset               | 305.96                         | 394.03 | 347.92                           |
| Southwark                  | 324.59                         | 372.47 | 347.91                           |
| Hart                       | 309.64                         | 389.58 | 347.90                           |
| Havering                   | 324.92                         | 371.39 | 347.57                           |
| Bromley                    | 327.03                         | 367.35 | 346.75                           |
| Newham                     | 321.43                         | 372.58 | 346.30                           |
| York UA                    | 320.79                         | 372.04 | 345.70                           |
| Barrow-In-Furness          | 303.78                         | 389.25 | 344.54                           |
| Selby                      | 305.05                         | 387.30 | 344.35                           |
| Tandridge                  | 307.27                         | 384.57 | 344.30                           |
| Harlow                     | 305.10                         | 386.20 | 343.87                           |
| Guildford                  | 312.54                         | 375.43 | 342.91                           |
| Waverley                   | 311.86                         | 374.61 | 342.16                           |
| Maidstone                  | 312.26                         | 372.12 | 341.21                           |
| Brent                      | 317.13                         | 364.76 | 340.32                           |
| Southend-On-Sea UA         | 312.77                         | 365.72 | 338.47                           |
| Arun                       | 313.54                         | 364.82 | 338.45                           |
| Adur                       | 297.51                         | 383.35 | 338.41                           |
| Exeter                     | 307.10                         | 371.95 | 338.36                           |
| Redcar and Cleveland UA    | 308.64                         | 369.46 | 338.03                           |
| Malvern Hills              | 298.45                         | 376.24 | 335.66                           |
| Staffordshire Moorlands    | 298.76                         | 371.35 | 333.58                           |
| Shrewsbury and Atcham      | 298.52                         | 369.27 | 332.49                           |
| Warwick                    | 302.82                         | 363.76 | 332.25                           |
| East Hampshire             | 299.66                         | 365.93 | 331.56                           |
| Northampton                | 305.63                         | 355.85 | 330.03                           |
| Craven                     | 285.00                         | 375.57 | 327.96                           |
| Hertsmere                  | 294.05                         | 363.63 | 327.46                           |
| St. Edmundsbury            | 293.19                         | 362.45 | 326.45                           |
| Eastleigh                  | 294.93                         | 359.88 | 326.20                           |
| Winchester                 | 294.32                         | 358.59 | 325.27                           |
| West Dorset                | 294.31                         | 358.58 | 325.26                           |
| South Oxfordshire          | 293.77                         | 355.02 | 323.31                           |
| Caradon                    | 287.33                         | 362.07 | 323.09                           |
| Hinckley and Bosworth      | 289.44                         | 358.94 | 322.79                           |
| Wychavon                   | 291.13                         | 354.88 | 321.82                           |
| Rugby                      | 283.05                         | 355.30 | 317.64                           |
| South Bucks                | 277.52                         | 360.95 | 317.20                           |
| Doncaster                  | 296.97                         | 338.05 | 317.01                           |
| Bedford                    | 289.36                         | 345.63 | 316.56                           |
| North Hertfordshire        | 286.50                         | 347.88 | 316.08                           |
| North East Lincolnshire UA | 287.89                         | 342.66 | 314.39                           |
| Derbyshire Dales           | 275.64                         | 355.36 | 313.62                           |
| West Devon                 | 269.59                         | 361.31 | 312.96                           |
| South Gloucestershire UA   | 291.60                         | 335.45 | 312.95                           |
| South Cambridgeshire       | 284.12                         | 342.48 | 312.28                           |
| East Northamptonshire      | 275.98                         | 351.96 | 312.25                           |
| Wyre                       | 282.23                         | 344.11 | 312.02                           |
| Chorley                    | 275.13                         | 344.73 | 308.47                           |
| Copeland                   | 268.02                         | 352.96 | 308.32                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Shepway                     | 277.12                         | 341.97 | 308.28                           |
| Bracknell Forest UA         | 275.41                         | 343.72 | 308.16                           |
| Harrow                      | 285.12                         | 331.93 | 307.86                           |
| Newark and Sherwood         | 277.07                         | 341.01 | 307.80                           |
| South Ribble                | 275.03                         | 342.42 | 307.35                           |
| Woking                      | 272.99                         | 344.69 | 307.28                           |
| Christchurch                | 265.67                         | 352.03 | 306.59                           |
| Scarborough                 | 276.67                         | 338.20 | 306.28                           |
| Richmond upon Thames        | 280.69                         | 331.65 | 305.38                           |
| Windsor and Maidenhead UA   | 276.59                         | 334.25 | 304.40                           |
| Stevenage                   | 265.64                         | 344.51 | 303.17                           |
| Uttlesford                  | 264.59                         | 344.13 | 302.42                           |
| Stratford-On-Avon           | 273.02                         | 333.06 | 301.93                           |
| North Somerset UA           | 279.20                         | 323.90 | 300.93                           |
| South Lakeland              | 270.92                         | 333.34 | 300.92                           |
| Dover                       | 269.62                         | 332.03 | 299.62                           |
| Gloucester                  | 268.86                         | 332.48 | 299.41                           |
| North Wiltshire             | 269.97                         | 329.66 | 298.70                           |
| East Riding of Yorkshire UA | 280.65                         | 316.69 | 298.26                           |
| East Lindsey                | 270.89                         | 325.86 | 297.43                           |
| Wellingborough              | 259.38                         | 339.38 | 297.38                           |
| Ryedale                     | 254.51                         | 344.26 | 296.86                           |
| Amber Valley                | 267.44                         | 328.41 | 296.75                           |
| South Kesteven              | 268.36                         | 326.56 | 296.39                           |
| North Warwickshire          | 251.94                         | 340.20 | 293.61                           |
| Rochford                    | 257.85                         | 331.06 | 292.75                           |
| Harborough                  | 256.85                         | 331.12 | 292.23                           |
| Daventry                    | 254.55                         | 333.91 | 292.23                           |
| Broxbourne                  | 255.07                         | 326.37 | 289.09                           |
| Sedgemoor                   | 259.65                         | 320.13 | 288.71                           |
| Erewash                     | 257.23                         | 320.81 | 287.71                           |
| Torridge                    | 250.26                         | 328.92 | 287.59                           |
| Cotswold                    | 253.79                         | 323.08 | 286.88                           |
| Test Valley                 | 256.57                         | 317.77 | 285.95                           |
| Nottingham UA               | 266.09                         | 306.41 | 285.72                           |
| Castle Point                | 252.39                         | 321.72 | 285.49                           |
| South Holland               | 251.70                         | 321.15 | 284.85                           |
| Mansfield                   | 252.66                         | 319.16 | 284.46                           |
| Bexley                      | 262.66                         | 306.35 | 283.88                           |
| Allerdale                   | 250.18                         | 317.22 | 282.22                           |
| Canterbury                  | 254.64                         | 306.13 | 279.50                           |
| East Cambridgeshire         | 244.88                         | 316.71 | 279.08                           |
| Enfield                     | 259.62                         | 298.61 | 278.60                           |
| Watford                     | 243.18                         | 317.21 | 278.37                           |
| Chiltern                    | 246.32                         | 313.42 | 278.36                           |
| South Northamptonshire      | 242.94                         | 315.60 | 277.50                           |
| Bolsover                    | 239.00                         | 315.38 | 275.22                           |
| Berwick-upon-Tweed          | 220.85                         | 337.60 | 274.65                           |
| Ashford                     | 245.22                         | 306.15 | 274.43                           |
| Norwich                     | 245.96                         | 300.51 | 272.21                           |
| Mid Devon                   | 237.59                         | 310.30 | 272.14                           |
| Wyre Forest                 | 241.03                         | 305.48 | 271.83                           |
| Carlisle                    | 242.00                         | 304.01 | 271.69                           |
| Babergh                     | 238.66                         | 305.67 | 270.62                           |
| Bolton                      | 249.58                         | 289.43 | 268.95                           |
| Teesdale                    | 209.50                         | 339.56 | 268.76                           |
| North Norfolk               | 241.13                         | 298.47 | 268.66                           |
| Forest Heath                | 228.83                         | 312.69 | 268.33                           |
| Ashfield                    | 239.04                         | 299.29 | 267.90                           |
| Tewkesbury                  | 234.01                         | 303.49 | 267.07                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Wycombe                     | 241.96                         | 292.54 | 266.36                           |
| Greenwich                   | 243.63                         | 286.91 | 264.61                           |
| Walsall                     | 241.56                         | 280.75 | 260.61                           |
| Tendring                    | 235.49                         | 281.22 | 257.60                           |
| Brentwood                   | 222.58                         | 293.32 | 256.13                           |
| Three Rivers                | 224.65                         | 290.38 | 255.94                           |
| Elmbridge                   | 229.91                         | 283.04 | 255.44                           |
| Aylesbury Vale              | 231.36                         | 280.40 | 255.00                           |
| Mid Suffolk                 | 223.67                         | 288.05 | 254.35                           |
| Herefordshire, County of UA | 232.49                         | 276.82 | 253.93                           |
| Broadland                   | 226.76                         | 281.49 | 253.02                           |
| Telford and Wrekin UA       | 226.66                         | 277.66 | 251.19                           |
| Breckland                   | 225.35                         | 277.60 | 250.46                           |
| Isle of Wight UA            | 226.86                         | 274.77 | 249.96                           |
| Harrogate                   | 226.99                         | 274.62 | 249.96                           |
| Spelthorne                  | 218.19                         | 281.73 | 248.44                           |
| South Staffordshire         | 219.33                         | 279.08 | 247.87                           |
| Reading UA                  | 221.67                         | 273.55 | 246.59                           |
| Basildon                    | 223.38                         | 270.55 | 246.12                           |
| Dacorum                     | 221.03                         | 272.84 | 245.92                           |
| North Shropshire            | 207.26                         | 284.92 | 243.80                           |
| Ipswich                     | 216.62                         | 271.31 | 242.82                           |
| Thurrock UA                 | 218.58                         | 268.86 | 242.75                           |
| Huntingdonshire             | 217.83                         | 266.76 | 241.37                           |
| Luton UA                    | 218.36                         | 265.08 | 240.88                           |
| Sheffield                   | 227.36                         | 253.54 | 240.18                           |
| Mid Bedfordshire            | 211.81                         | 267.34 | 238.37                           |
| South Shropshire            | 196.62                         | 285.40 | 237.95                           |
| Melton                      | 196.77                         | 282.92 | 236.95                           |
| Runnymede                   | 204.79                         | 269.52 | 235.50                           |
| South Bedfordshire          | 205.63                         | 262.36 | 232.71                           |
| Stroud                      | 202.31                         | 256.85 | 228.37                           |
| Eden                        | 190.32                         | 271.63 | 228.30                           |
| Broxtowe                    | 200.57                         | 257.51 | 227.72                           |
| North Lincolnshire UA       | 204.87                         | 251.23 | 227.17                           |
| Colchester                  | 205.45                         | 250.49 | 227.14                           |
| Waveney                     | 202.63                         | 253.43 | 226.97                           |
| Forest of Dean              | 196.36                         | 260.19 | 226.60                           |
| St. Albans                  | 200.82                         | 251.35 | 225.03                           |
| South Norfolk               | 196.33                         | 248.41 | 221.23                           |
| West Berkshire UA           | 195.26                         | 243.78 | 218.52                           |
| Welwyn Hatfield             | 189.09                         | 243.65 | 215.08                           |
| Wokingham UA                | 187.84                         | 235.18 | 210.51                           |
| Great Yarmouth              | 183.23                         | 239.17 | 209.82                           |
| East Hertfordshire          | 184.22                         | 233.99 | 208.00                           |
| Suffolk Coastal             | 176.89                         | 224.00 | 199.41                           |
| Bridgnorth                  | 163.48                         | 240.62 | 199.29                           |
| Wolverhampton               | 177.65                         | 212.98 | 194.72                           |
| Rushcliffe                  | 164.00                         | 214.99 | 188.21                           |
| Oswestry                    | 142.33                         | 224.06 | 179.78                           |
| Gedling                     | 155.57                         | 204.73 | 178.89                           |
| Kingston upon Thames        | 150.42                         | 191.92 | 170.23                           |

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

| <b>Local authority</b>    | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|---------------------------|--------------------------------|--------|----------------------------------|
| Halton UA                 | 644.26                         | 742.84 | 692.24                           |
| Liverpool                 | 651.37                         | 701.48 | 676.08                           |
| St. Helens                | 610.26                         | 686.17 | 647.38                           |
| Knowsley                  | 592.20                         | 673.96 | 632.09                           |
| Warrington UA             | 591.50                         | 663.11 | 626.54                           |
| Tunbridge Wells           | 545.65                         | 634.96 | 589.04                           |
| Lincoln                   | 530.44                         | 629.27 | 578.28                           |
| Salford                   | 544.72                         | 608.19 | 575.80                           |
| Wansbeck                  | 514.97                         | 635.10 | 572.68                           |
| Ellesmere Port and Neston | 515.71                         | 619.61 | 565.88                           |
| Rochdale                  | 522.80                         | 588.35 | 554.85                           |
| Crewe and Nantwich        | 493.79                         | 577.10 | 534.23                           |
| North Tyneside            | 485.17                         | 547.77 | 515.76                           |
| Hammersmith and Fulham    | 469.21                         | 541.88 | 504.57                           |
| Poole UA                  | 468.92                         | 537.47 | 502.32                           |
| Chester                   | 461.51                         | 540.37 | 499.78                           |
| Manchester                | 475.79                         | 517.78 | 496.45                           |
| Islington                 | 451.74                         | 522.16 | 485.99                           |
| Castle Morpeth            | 427.13                         | 548.67 | 485.06                           |
| Calderdale                | 453.91                         | 514.43 | 483.46                           |
| Wirral                    | 457.97                         | 504.68 | 480.90                           |
| Sefton                    | 455.46                         | 505.23 | 479.86                           |
| Wigan                     | 454.11                         | 504.80 | 478.96                           |
| Stockport                 | 452.77                         | 502.64 | 477.22                           |
| Macclesfield              | 441.77                         | 508.12 | 474.08                           |
| Oldham                    | 445.44                         | 503.44 | 473.77                           |
| Vale Royal                | 431.60                         | 507.28 | 468.30                           |
| Blyth Valley              | 419.72                         | 515.99 | 466.00                           |
| Portsmouth UA             | 433.11                         | 493.11 | 462.38                           |
| Chester-Le-Street         | 400.84                         | 519.56 | 457.34                           |
| Southampton UA            | 429.84                         | 485.10 | 456.84                           |
| Congleton                 | 414.84                         | 501.55 | 456.66                           |
| West Lancashire           | 415.54                         | 495.89 | 454.39                           |
| Derwentside               | 410.86                         | 498.65 | 453.17                           |
| Leeds                     | 437.63                         | 467.82 | 452.54                           |
| Durham                    | 408.75                         | 499.01 | 452.20                           |
| Rossendale                | 400.48                         | 504.87 | 450.42                           |
| Kerrier                   | 402.64                         | 482.82 | 441.37                           |
| Sevenoaks                 | 401.56                         | 476.31 | 437.75                           |
| Camden                    | 399.58                         | 459.40 | 428.71                           |
| Hartlepool UA             | 386.34                         | 472.75 | 427.92                           |
| Brighton and Hove UA      | 402.24                         | 452.29 | 426.72                           |
| Salisbury                 | 391.79                         | 463.42 | 426.48                           |
| Waltham Forest            | 398.51                         | 455.43 | 426.26                           |
| Tonbridge and Malling     | 389.16                         | 465.00 | 425.82                           |
| Ealing                    | 401.80                         | 450.27 | 425.52                           |
| South Somerset            | 395.88                         | 456.55 | 425.41                           |
| Oxford                    | 389.30                         | 457.81 | 422.52                           |
| Restormel                 | 384.93                         | 461.76 | 422.04                           |
| Kirklees                  | 400.07                         | 440.35 | 419.85                           |
| Gosport                   | 376.34                         | 464.83 | 418.84                           |
| North Kesteven            | 381.31                         | 458.68 | 418.66                           |
| Carrick                   | 380.77                         | 457.48 | 417.81                           |
| Middlesborough UA         | 384.32                         | 452.77 | 417.50                           |
| Rushmoor                  | 375.51                         | 461.38 | 416.80                           |
| Hastings                  | 376.76                         | 459.14 | 416.43                           |
| Stockton-On-Tees UA       | 385.22                         | 444.41 | 414.02                           |
| Blackpool UA              | 381.67                         | 447.12 | 413.43                           |
| Easington                 | 373.28                         | 455.36 | 412.80                           |
| Cannock Chase             | 372.00                         | 456.56 | 412.67                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Kings Lynn and West Norfolk | 378.47                         | 441.68 | 409.16                           |
| Wealden                     | 376.77                         | 437.90 | 406.48                           |
| Coventry                    | 384.52                         | 429.35 | 406.47                           |
| Trafford                    | 378.60                         | 432.22 | 404.74                           |
| Stafford                    | 370.91                         | 440.52 | 404.59                           |
| High Peak                   | 364.60                         | 446.98 | 404.22                           |
| Gravesham                   | 362.47                         | 442.28 | 400.89                           |
| Preston                     | 363.06                         | 433.41 | 397.07                           |
| Redditch                    | 351.97                         | 443.89 | 395.95                           |
| Sunderland                  | 372.57                         | 419.88 | 395.70                           |
| Barnsley                    | 369.76                         | 422.12 | 395.29                           |
| Wakefield                   | 372.54                         | 416.18 | 393.91                           |
| Sutton                      | 364.22                         | 420.96 | 391.82                           |
| Chichester                  | 359.29                         | 426.17 | 391.66                           |
| Redbridge                   | 366.74                         | 415.56 | 390.58                           |
| Burnley                     | 350.29                         | 433.46 | 390.22                           |
| Havant                      | 355.39                         | 423.59 | 388.37                           |
| Epsom and Ewell             | 345.35                         | 433.85 | 387.72                           |
| Leicester UA                | 364.00                         | 409.69 | 386.34                           |
| Wandsworth                  | 362.03                         | 410.50 | 385.70                           |
| Rotherham                   | 361.58                         | 410.47 | 385.45                           |
| Bristol, City of UA         | 366.53                         | 404.45 | 385.14                           |
| Lambeth                     | 359.70                         | 411.72 | 385.05                           |
| Mole Valley                 | 346.04                         | 426.38 | 384.65                           |
| Eastbourne                  | 351.33                         | 419.94 | 384.49                           |
| Hounslow                    | 354.44                         | 408.56 | 380.78                           |
| Lichfield                   | 342.89                         | 421.07 | 380.48                           |
| Bournemouth UA              | 352.86                         | 407.47 | 379.43                           |
| Medway UA                   | 353.95                         | 403.77 | 378.24                           |
| Oadby and Wigston           | 330.80                         | 429.50 | 377.75                           |
| Reigate and Banstead        | 346.58                         | 410.57 | 377.56                           |
| South Tyneside              | 348.12                         | 408.62 | 377.46                           |
| Dartford                    | 335.04                         | 415.90 | 373.84                           |
| Torbay UA                   | 344.96                         | 404.06 | 373.64                           |
| West Lindsey                | 333.99                         | 414.33 | 372.54                           |
| Hambleton                   | 333.88                         | 413.53 | 372.12                           |
| New Forest                  | 346.64                         | 398.12 | 371.71                           |
| Taunton Deane               | 338.06                         | 406.09 | 370.91                           |
| Boston                      | 325.33                         | 420.53 | 370.65                           |
| Surrey Heath                | 329.74                         | 413.76 | 369.97                           |
| Mendip                      | 334.34                         | 404.32 | 368.09                           |
| Derby UA                    | 344.35                         | 392.45 | 367.81                           |
| Richmondshire               | 316.75                         | 424.51 | 367.70                           |
| Bury                        | 339.84                         | 396.00 | 367.12                           |
| Milton Keynes UA            | 341.51                         | 393.30 | 366.72                           |
| Purbeck                     | 316.53                         | 422.23 | 366.55                           |
| Ribble Valley               | 318.86                         | 418.00 | 365.93                           |
| Birmingham                  | 353.94                         | 377.42 | 365.54                           |
| Kennet                      | 323.52                         | 407.84 | 363.86                           |
| Barking and Dagenham        | 335.77                         | 391.85 | 363.00                           |
| Plymouth UA                 | 340.21                         | 386.65 | 362.87                           |
| Tameside                    | 337.84                         | 389.17 | 362.83                           |
| Peterborough UA             | 334.20                         | 392.86 | 362.64                           |
| Fareham                     | 328.78                         | 397.68 | 362.00                           |
| Lancaster                   | 331.66                         | 393.59 | 361.63                           |
| Epping Forest               | 328.83                         | 395.00 | 360.78                           |
| Lewisham                    | 336.22                         | 385.66 | 360.30                           |
| Sedgefield                  | 321.27                         | 401.52 | 359.72                           |
| Westminster                 | 333.88                         | 385.41 | 358.96                           |
| Blackburn with Darwen UA    | 326.18                         | 391.13 | 357.56                           |

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

| <b>Local authority</b>         | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|--------------------------------|--------------------------------|--------|----------------------------------|
| Bradford                       | 340.80                         | 373.99 | 357.10                           |
| Dudley                         | 336.34                         | 378.33 | 356.87                           |
| Rother                         | 323.57                         | 390.36 | 355.80                           |
| Tamworth                       | 311.80                         | 402.18 | 354.85                           |
| Barnet                         | 334.88                         | 374.62 | 354.33                           |
| Lewes                          | 321.47                         | 389.36 | 354.20                           |
| Vale of White Horse            | 321.06                         | 388.17 | 353.43                           |
| Maldon                         | 308.54                         | 402.72 | 353.29                           |
| Rutland UA                     | 297.13                         | 416.30 | 352.99                           |
| Kingston upon Hull, City of UA | 329.87                         | 377.27 | 352.97                           |
| Kensington and Chelsea         | 324.41                         | 383.03 | 352.81                           |
| North Cornwall                 | 316.54                         | 391.94 | 352.74                           |
| Chesterfield                   | 317.99                         | 389.22 | 352.26                           |
| Hillingdon                     | 328.87                         | 375.36 | 351.54                           |
| Newcastle upon Tyne            | 330.02                         | 373.99 | 351.49                           |
| Cambridge                      | 316.87                         | 387.23 | 350.73                           |
| Cherwell                       | 319.67                         | 383.10 | 350.32                           |
| East Staffordshire             | 315.48                         | 385.84 | 349.34                           |
| Darlington UA                  | 314.01                         | 385.71 | 348.49                           |
| Nuneaton and Bedworth          | 315.51                         | 383.02 | 348.05                           |
| Gateshead                      | 322.23                         | 375.30 | 348.01                           |
| Pendle                         | 310.28                         | 387.65 | 347.36                           |
| Swale                          | 315.52                         | 380.64 | 346.94                           |
| Wear Valley                    | 303.90                         | 393.90 | 346.73                           |
| Croydon                        | 324.98                         | 365.79 | 344.93                           |
| Crawley                        | 309.35                         | 382.44 | 344.45                           |
| Merton                         | 318.76                         | 371.57 | 344.41                           |
| Tynedale                       | 299.76                         | 391.97 | 343.56                           |
| Slough UA                      | 309.79                         | 377.72 | 342.50                           |
| Fenland                        | 306.94                         | 380.77 | 342.37                           |
| Stoke-On-Trent UA              | 319.31                         | 365.96 | 342.04                           |
| Alnwick                        | 283.73                         | 408.59 | 341.95                           |
| Basingstoke and Deane          | 312.64                         | 372.25 | 341.47                           |
| Corby                          | 293.26                         | 394.64 | 341.16                           |
| South Derbyshire               | 303.32                         | 381.33 | 340.66                           |
| Sandwell                       | 318.39                         | 360.28 | 338.85                           |
| Bath and North East Somerset   | 312.31                         | 365.59 | 338.17                           |
| East Dorset                    | 304.76                         | 374.04 | 338.08                           |
| Swindon UA                     | 312.19                         | 365.04 | 337.84                           |
| Haringey                       | 311.84                         | 364.59 | 337.45                           |
| Teignbridge                    | 308.81                         | 367.50 | 337.20                           |
| West Oxfordshire               | 302.55                         | 371.83 | 335.86                           |
| Solihull                       | 312.02                         | 361.01 | 335.84                           |
| Thanet                         | 307.53                         | 365.85 | 335.74                           |
| Worcester                      | 299.57                         | 374.26 | 335.37                           |
| Kettering                      | 298.90                         | 374.93 | 335.31                           |
| Worthing                       | 303.49                         | 366.77 | 334.01                           |
| Penwith                        | 293.85                         | 375.99 | 333.03                           |
| Blaby                          | 295.98                         | 370.85 | 331.84                           |
| Southwark                      | 308.96                         | 355.58 | 331.66                           |
| North Devon                    | 297.57                         | 368.22 | 331.49                           |
| Tower Hamlets                  | 305.52                         | 358.57 | 331.25                           |
| Hyndburn                       | 292.63                         | 373.20 | 331.09                           |
| Chelmsford                     | 303.04                         | 359.10 | 330.18                           |
| Mid Sussex                     | 300.49                         | 361.25 | 329.83                           |
| Weymouth and Portland          | 289.10                         | 374.10 | 329.56                           |
| Barrow-In-Furness              | 289.38                         | 373.06 | 329.24                           |
| Hart                           | 291.89                         | 369.64 | 329.06                           |
| West Wiltshire                 | 298.78                         | 360.14 | 328.39                           |
| North West Leicestershire      | 292.07                         | 367.61 | 328.22                           |

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

| <b>Local authority</b>     | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|----------------------------|--------------------------------|--------|----------------------------------|
| Horsham                    | 298.83                         | 359.69 | 328.21                           |
| North East Derbyshire      | 293.63                         | 365.21 | 327.96                           |
| Braintree                  | 299.09                         | 358.37 | 327.73                           |
| Bromley                    | 307.17                         | 346.31 | 326.30                           |
| Adur                       | 285.90                         | 370.37 | 326.10                           |
| Maidstone                  | 297.74                         | 356.29 | 326.03                           |
| Shrewsbury and Atcham      | 292.14                         | 362.30 | 325.81                           |
| York UA                    | 301.07                         | 350.82 | 325.23                           |
| Waverley                   | 295.14                         | 356.37 | 324.68                           |
| Bassetlaw                  | 292.02                         | 359.82 | 324.60                           |
| Guildford                  | 294.39                         | 355.53 | 323.88                           |
| Redcar and Cleveland UA    | 294.46                         | 353.99 | 323.20                           |
| Selby                      | 285.15                         | 364.85 | 323.17                           |
| Cheltenham                 | 291.96                         | 355.36 | 322.50                           |
| Fylde                      | 286.31                         | 361.23 | 322.15                           |
| Warwick                    | 292.33                         | 352.30 | 321.27                           |
| Hackney                    | 296.15                         | 347.47 | 321.04                           |
| North Dorset               | 279.36                         | 363.98 | 319.59                           |
| Newham                     | 295.56                         | 344.45 | 319.31                           |
| Havering                   | 296.85                         | 341.37 | 318.53                           |
| Tandridge                  | 281.93                         | 356.28 | 317.48                           |
| Charnwood                  | 290.32                         | 346.15 | 317.32                           |
| Exeter                     | 286.46                         | 349.27 | 316.70                           |
| Bromsgrove                 | 281.13                         | 351.99 | 315.08                           |
| East Devon                 | 289.14                         | 342.37 | 314.92                           |
| Arun                       | 290.78                         | 340.43 | 314.87                           |
| Newcastle-under-Lyme       | 284.80                         | 346.73 | 314.63                           |
| Southend-On-Sea UA         | 289.64                         | 340.75 | 314.42                           |
| Brent                      | 290.25                         | 335.80 | 312.40                           |
| St. Edmundsbury            | 279.50                         | 347.29 | 312.02                           |
| Harlow                     | 273.99                         | 351.09 | 310.76                           |
| Craven                     | 268.87                         | 357.32 | 310.76                           |
| Northampton                | 286.65                         | 335.30 | 310.26                           |
| Malvern Hills              | 274.16                         | 349.16 | 309.97                           |
| East Hampshire             | 277.85                         | 341.87 | 308.62                           |
| West Somerset              | 260.29                         | 360.88 | 307.53                           |
| Winchester                 | 277.30                         | 339.87 | 307.40                           |
| South Oxfordshire          | 277.87                         | 337.56 | 306.63                           |
| Staffordshire Moorlands    | 273.18                         | 342.92 | 306.58                           |
| South Hams                 | 270.93                         | 342.95 | 305.36                           |
| Hertsmere                  | 272.15                         | 339.30 | 304.34                           |
| Rugby                      | 270.46                         | 341.22 | 304.31                           |
| Eastleigh                  | 273.24                         | 335.91 | 303.37                           |
| South Bucks                | 263.80                         | 345.38 | 302.55                           |
| North East Lincolnshire UA | 275.85                         | 329.55 | 301.81                           |
| Bedford                    | 274.56                         | 329.42 | 301.06                           |
| North Hertfordshire        | 270.92                         | 330.74 | 299.71                           |
| Caradon                    | 264.68                         | 336.78 | 299.11                           |
| Hinckley and Bosworth      | 266.54                         | 333.48 | 298.61                           |
| Wyre                       | 269.40                         | 330.10 | 298.60                           |
| East Northamptonshire      | 260.69                         | 334.70 | 295.98                           |
| Doncaster                  | 275.17                         | 314.77 | 294.47                           |
| South Ribble               | 262.75                         | 328.74 | 294.37                           |
| South Cambridgeshire       | 266.23                         | 322.82 | 293.51                           |
| Wychavon                   | 263.80                         | 324.77 | 293.10                           |
| South Gloucestershire UA   | 272.14                         | 314.57 | 292.78                           |
| West Dorset                | 263.16                         | 324.36 | 292.56                           |
| Newark and Sherwood        | 260.75                         | 322.96 | 290.61                           |
| Scarborough                | 261.53                         | 321.61 | 290.41                           |
| Woking                     | 256.91                         | 326.60 | 290.20                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| Windsor and Maidenhead UA   | 262.70                         | 318.98 | 289.82                           |
| Copeland                    | 250.63                         | 333.07 | 289.67                           |
| Stratford-On-Avon           | 260.92                         | 319.80 | 289.24                           |
| Shepway                     | 256.67                         | 319.35 | 286.73                           |
| Chorley                     | 254.53                         | 321.65 | 286.63                           |
| Christchurch                | 246.32                         | 330.12 | 285.94                           |
| West Devon                  | 244.16                         | 332.06 | 285.60                           |
| Derbyshire Dales            | 249.28                         | 325.57 | 285.53                           |
| South Lakeland              | 256.03                         | 317.01 | 285.31                           |
| Bracknell Forest UA         | 253.81                         | 319.46 | 285.22                           |
| East Riding of Yorkshire UA | 267.95                         | 303.26 | 285.20                           |
| Richmond upon Thames        | 259.05                         | 308.07 | 282.77                           |
| Uttlesford                  | 246.23                         | 323.20 | 282.76                           |
| Harrow                      | 259.77                         | 304.51 | 281.47                           |
| Amber Valley                | 251.37                         | 310.66 | 279.84                           |
| South Kesteven              | 252.24                         | 308.82 | 279.46                           |
| East Lindsey                | 253.49                         | 306.88 | 279.23                           |
| Dover                       | 250.09                         | 310.44 | 279.05                           |
| North Wiltshire             | 251.29                         | 309.02 | 279.04                           |
| Ryedale                     | 236.68                         | 323.73 | 277.67                           |
| North Warwickshire          | 236.78                         | 322.62 | 277.23                           |
| Daventry                    | 239.26                         | 316.38 | 275.82                           |
| South Holland               | 242.53                         | 310.92 | 275.14                           |
| North Somerset UA           | 253.50                         | 296.27 | 274.26                           |
| Wellingborough              | 236.49                         | 313.15 | 272.82                           |
| Harborough                  | 238.23                         | 310.02 | 272.37                           |
| Broxbourne                  | 239.17                         | 308.33 | 272.11                           |
| Rochford                    | 237.76                         | 308.36 | 271.35                           |
| Stevenage                   | 235.04                         | 309.52 | 270.37                           |
| Castle Point                | 238.02                         | 305.60 | 270.24                           |
| Sedgemoor                   | 241.37                         | 299.91 | 269.46                           |
| Gloucester                  | 240.22                         | 300.55 | 269.12                           |
| Nottingham UA               | 250.00                         | 289.06 | 269.00                           |
| East Cambridgeshire         | 234.12                         | 304.50 | 267.59                           |
| Enfield                     | 248.02                         | 286.11 | 266.56                           |
| Test Valley                 | 237.37                         | 296.46 | 265.69                           |
| Erewash                     | 234.02                         | 294.90 | 263.15                           |
| Bolsover                    | 226.80                         | 301.40 | 262.13                           |
| Torridge                    | 226.15                         | 301.43 | 261.78                           |
| Watford                     | 227.54                         | 299.26 | 261.57                           |
| Mansfield                   | 230.53                         | 294.27 | 260.95                           |
| South Northamptonshire      | 227.20                         | 297.65 | 260.65                           |
| Allerdale                   | 229.06                         | 293.52 | 259.80                           |
| Bexley                      | 239.42                         | 281.21 | 259.69                           |
| Canterbury                  | 235.08                         | 284.72 | 259.01                           |
| Cotswold                    | 225.98                         | 291.79 | 257.32                           |
| Chiltern                    | 225.53                         | 289.99 | 256.25                           |
| Ashford                     | 227.32                         | 286.12 | 255.46                           |
| Ashfield                    | 226.15                         | 284.87 | 254.25                           |
| Babergh                     | 221.82                         | 286.73 | 252.72                           |
| Bolton                      | 233.67                         | 272.25 | 252.41                           |
| Berwick-upon-Tweed          | 200.45                         | 312.85 | 252.04                           |
| Norwich                     | 226.26                         | 278.72 | 251.47                           |
| Wycombe                     | 227.79                         | 276.92 | 251.46                           |
| Greenwich                   | 230.16                         | 272.19 | 250.52                           |
| Mid Devon                   | 216.48                         | 286.25 | 249.55                           |
| Walsall                     | 230.14                         | 268.42 | 248.73                           |
| Wyre Forest                 | 218.93                         | 280.67 | 248.37                           |
| Carlisle                    | 219.67                         | 279.01 | 248.02                           |
| Three Rivers                | 216.94                         | 281.67 | 247.73                           |

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

| <b>Local authority</b>      | <b>95% Confidence interval</b> |        | <b>indirect rate per 100,000</b> |
|-----------------------------|--------------------------------|--------|----------------------------------|
| North Norfolk               | 219.24                         | 274.30 | 245.62                           |
| Brentwood                   | 211.68                         | 280.90 | 244.47                           |
| Teesdale                    | 186.59                         | 310.69 | 242.83                           |
| Tendring                    | 221.17                         | 265.72 | 242.68                           |
| Elmbridge                   | 216.88                         | 268.61 | 241.71                           |
| Isle of Wight UA            | 218.13                         | 265.31 | 240.86                           |
| Tewkesbury                  | 208.04                         | 273.97 | 239.32                           |
| Aylesbury Vale              | 216.34                         | 263.85 | 239.22                           |
| Herefordshire, County of UA | 217.85                         | 260.93 | 238.67                           |
| Mid Suffolk                 | 207.79                         | 270.10 | 237.43                           |
| Broadland                   | 211.93                         | 265.06 | 237.39                           |
| Harrogate                   | 214.48                         | 260.94 | 236.86                           |
| Spelthorne                  | 205.96                         | 267.87 | 235.40                           |
| Basildon                    | 211.65                         | 257.61 | 233.79                           |
| Forest Heath                | 196.75                         | 275.00 | 233.45                           |
| Telford and Wrekin UA       | 208.10                         | 257.04 | 231.61                           |
| Mid Bedfordshire            | 204.45                         | 259.02 | 230.53                           |
| Ipswich                     | 204.73                         | 257.99 | 230.21                           |
| Breckland                   | 205.81                         | 255.98 | 229.87                           |
| Dacorum                     | 205.32                         | 255.38 | 229.33                           |
| Reading UA                  | 205.32                         | 255.29 | 229.29                           |
| Huntingdonshire             | 205.17                         | 252.74 | 228.03                           |
| Luton UA                    | 206.07                         | 251.38 | 227.88                           |
| Melton                      | 188.25                         | 272.80 | 227.62                           |
| Sheffield                   | 214.64                         | 240.09 | 227.10                           |
| South Staffordshire         | 198.60                         | 255.77 | 225.84                           |
| North Shropshire            | 189.27                         | 263.92 | 224.30                           |
| South Bedfordshire          | 195.52                         | 250.91 | 221.93                           |
| Thurrock UA                 | 196.13                         | 243.86 | 219.02                           |
| South Shropshire            | 178.92                         | 264.33 | 218.55                           |
| Runnymede                   | 188.42                         | 250.77 | 217.94                           |
| Colchester                  | 195.70                         | 239.72 | 216.88                           |
| North Lincolnshire UA       | 193.71                         | 238.90 | 215.42                           |
| Broxtowe                    | 187.40                         | 242.64 | 213.69                           |
| St. Albans                  | 187.74                         | 236.68 | 211.15                           |
| Eden                        | 173.01                         | 251.13 | 209.38                           |
| Waveney                     | 183.78                         | 232.44 | 207.05                           |
| West Berkshire UA           | 183.43                         | 230.52 | 205.97                           |
| Stroud                      | 181.20                         | 233.12 | 205.95                           |
| Forest of Dean              | 173.80                         | 234.27 | 202.36                           |
| Wokingham UA                | 179.86                         | 226.21 | 202.04                           |
| Welwyn Hatfield             | 176.74                         | 229.61 | 201.89                           |
| East Hertfordshire          | 177.05                         | 225.90 | 200.36                           |
| Great Yarmouth              | 173.21                         | 227.79 | 199.11                           |
| South Norfolk               | 175.00                         | 224.46 | 198.59                           |
| Bridgnorth                  | 160.71                         | 237.42 | 196.29                           |
| Suffolk Coastal             | 167.02                         | 213.01 | 188.97                           |
| Wolverhampton               | 169.01                         | 203.51 | 185.66                           |
| Oswestry                    | 136.53                         | 216.90 | 173.29                           |
| Rushcliffe                  | 149.63                         | 198.56 | 172.81                           |
| Gedling                     | 149.53                         | 197.86 | 172.44                           |
| Kingston upon Thames        | 141.73                         | 182.06 | 160.96                           |