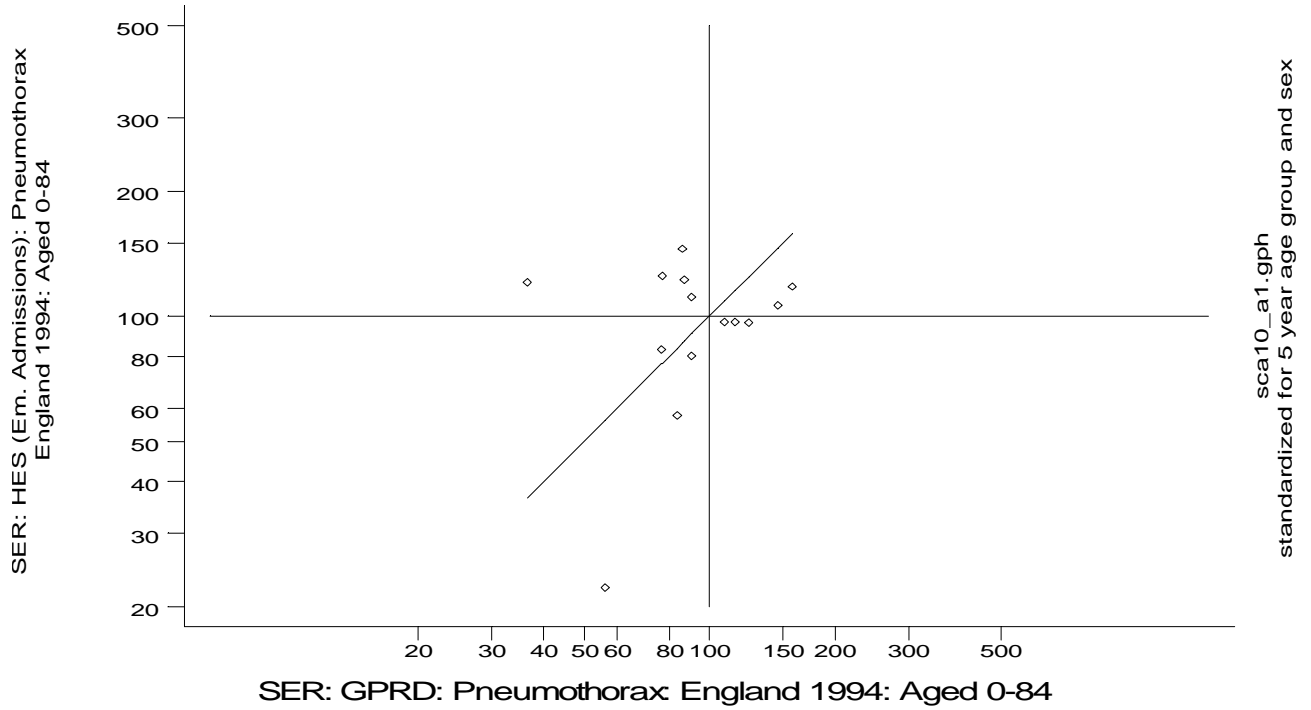


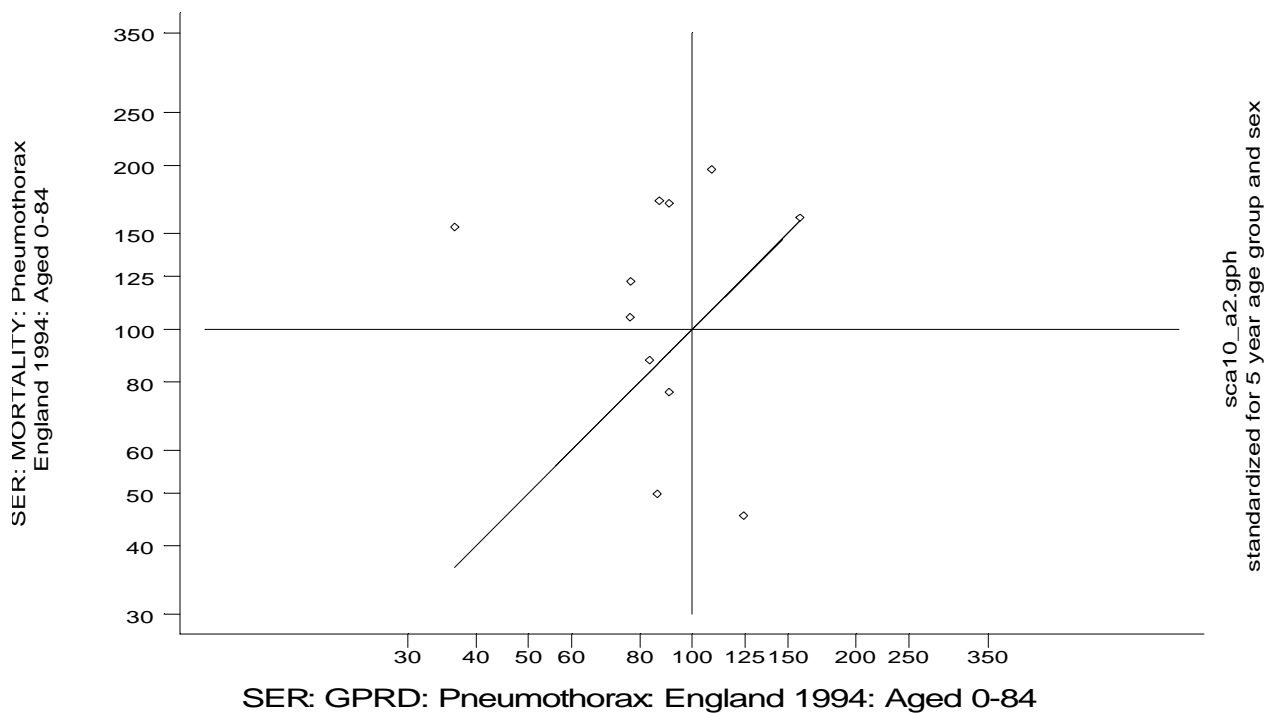
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- regional comparisons between GPRD, HES and Mortality, England 1994, ages 0-84

“HES vs. GPRD”



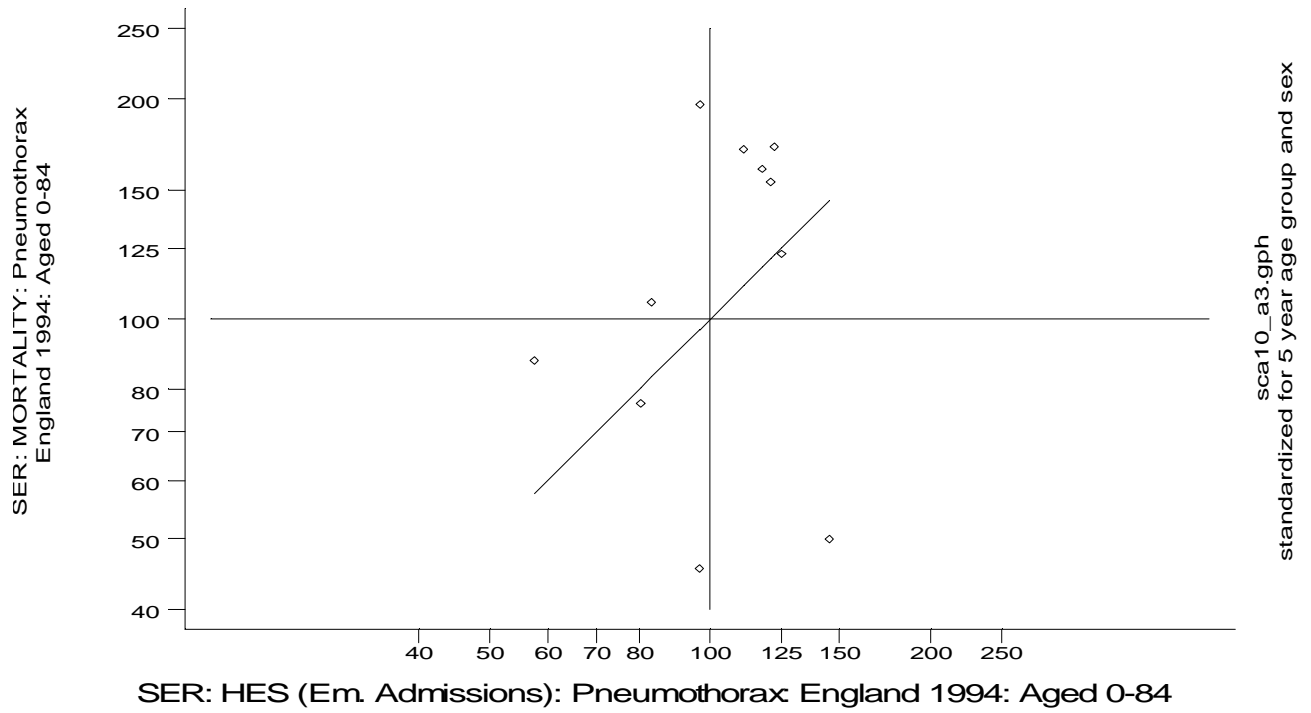
“MORTALITY vs. GPRD”



Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- regional comparisons between GPRD, HES and Mortality, England 1994, ages 0-84

“MORTALITY vs. HES”



A15 Pneumothorax standard output graphs**Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)**

- regional comparisons between GPRD, HES and Mortality, England 1994, ages 0-84

Pneumothorax: Spearman Rank Correlation Coefficients

| | MORTALITY | HES | GPRD |
|-----------|-----------|------|-------|
| MORTALITY | | 0.37 | -0.05 |
| HES | 0.37 | | 0.06 |
| GPRD | -0.05 | 0.06 | |

ALL AGES vs. ALL AGES

a1: HES (0-84) vs. GPRD (0-84)
Number of obs = 14
Spearman's rho = 0.0593
Test of Ho: hsl_10 and gsal_10 independent
Pr > |t| = 0.8403

a2: MORTALITY (0-84) vs. GPRD (0-84)
Number of obs = 14
Spearman's rho = -0.0508
Test of Ho: msl_10 and gsal_10 independent
Pr > |t| = 0.8631

a3: MORTALITY (0-84) vs. HES (0-84)
Number of obs = 14
Spearman's rho = 0.3687
Test of Ho: msl_10 and hsl_10 independent
Pr > |t| = 0.1946

A15 Pneumothorax standard output graphs

Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- regional comparisons between GPRD, HES and Mortality, England 1994, ages 0-84

ALL AGES

Observed Number of Pneumothorax Events,
England 1994: Aged 0-84

| rha | goal_10 | hol_10 | mol_10 |
|----------|---------|--------|--------|
| Northern | 13 | 370 | 3 |
| Yorkshir | 13 | 443 | 5 |
| Trent | 21 | 474 | 8 |
| E Anglia | 15 | 156 | 2 |
| NW Thame | 17 | 340 | 4 |
| NE Thame | 6 | 375 | 0 |
| SE Thame | 2 | 456 | 5 |
| SW Thame | 17 | 245 | 2 |
| Wessex | 9 | 271 | 3 |
| Oxford | 4 | 58 | 0 |
| S Wester | 23 | 365 | 0 |
| W Midlan | 47 | 518 | 2 |
| Mersey | 12 | 350 | 1 |
| N Wester | 14 | 516 | 6 |

Denominator for Pneumothorax Events,
England 1994: Aged 0-84

| rha | gdal_10 | hdl_10 | mdl_10 |
|----------|----------|---------|---------|
| Northern | 104729.2 | 2881981 | 2881981 |
| Yorkshir | 52152.7 | 3654624 | 3654624 |
| Trent | 120996.0 | 4701828 | 4701828 |
| E Anglia | 113740.5 | 2600991 | 2600991 |
| NW Thame | 116975.6 | 2953265 | 2953265 |
| NE Thame | 31761.7 | 3766006 | 3766006 |
| SE Thame | 33977.9 | 3654042 | 3654042 |
| SW Thame | 117694.8 | 2950819 | 2950819 |
| Wessex | 73779.6 | 3110430 | 3110430 |
| Oxford | 45680.5 | 2574069 | 2574069 |
| S Wester | 96438.4 | 3277999 | 3277999 |
| W Midlan | 229739.0 | 5213324 | 5213324 |
| Mersey | 87252.9 | 2369834 | 2369834 |
| N Wester | 102013.9 | 4133922 | 4133922 |

Crude Rate of Pneumothorax Events,
England 1994: Aged 0-84

| rha | gral_10 | hrl_10 | mrl_10 |
|----------|---------|--------|--------|
| Northern | 0.1 | 128.4 | 1.0 |
| Yorkshir | 0.2 | 121.2 | 1.4 |
| Trent | 0.2 | 100.8 | 1.7 |
| E Anglia | 0.1 | 60.0 | 0.8 |
| NW Thame | 0.1 | 115.1 | 1.4 |
| NE Thame | 0.2 | 99.6 | 0.0 |
| SE Thame | 0.1 | 124.8 | 1.4 |
| SW Thame | 0.1 | 83.0 | 0.7 |
| Wessex | 0.1 | 87.1 | 1.0 |
| Oxford | 0.1 | 22.5 | 0.0 |
| S Wester | 0.2 | 111.3 | 0.0 |
| W Midlan | 0.2 | 99.4 | 0.4 |
| Mersey | 0.1 | 147.7 | 0.4 |
| N Wester | 0.1 | 124.8 | 1.5 |

Expected Number of Pneumothorax Events,
England 1994: Aged 0-84

| rha | geal_10 | he1_10 | me1_10 |
|----------|---------|--------|--------|
| Northern | 16.9 | 295.4 | 2.4 |
| Yorkshir | 8.2 | 376.3 | 3.1 |
| Trent | 19.3 | 489.8 | 4.1 |
| E Anglia | 18.0 | 271.1 | 2.3 |
| NW Thame | 18.7 | 305.9 | 2.3 |
| NE Thame | 5.2 | 386.9 | 3.1 |
| SE Thame | 5.5 | 377.2 | 3.2 |
| SW Thame | 18.8 | 305.0 | 2.6 |
| Wessex | 11.7 | 325.6 | 2.9 |
| Oxford | 7.1 | 261.5 | 2.0 |
| S Wester | 15.7 | 344.1 | 3.1 |
| W Midlan | 37.8 | 535.5 | 4.4 |
| Mersey | 13.9 | 240.8 | 2.0 |
| N Wester | 16.1 | 422.0 | 3.5 |

SER's for Pneumothorax Events, standardized for age5 and sex
England 1994: Aged 0-84

| rha | gsal_10 | hs1_10 | ms1_10 |
|----------|---------|--------|--------|
| Northern | 77.1 | 125.3 | 122.6 |
| Yorkshir | 158.0 | 117.7 | 160.6 |
| Trent | 108.6 | 96.8 | 196.8 |
| E Anglia | 83.5 | 57.5 | 87.8 |
| NW Thame | 90.7 | 111.1 | 170.7 |
| NE Thame | 115.0 | 96.9 | 0.0 |
| SE Thame | 36.5 | 120.9 | 154.0 |
| SW Thame | 90.6 | 80.3 | 76.6 |
| Wessex | 76.9 | 83.2 | 105.3 |
| Oxford | 56.1 | 22.2 | 0.0 |
| S Wester | 146.1 | 106.1 | 0.0 |
| W Midlan | 124.3 | 96.7 | 45.5 |
| Mersey | 86.2 | 145.4 | 49.8 |
| N Wester | 87.0 | 122.3 | 172.2 |