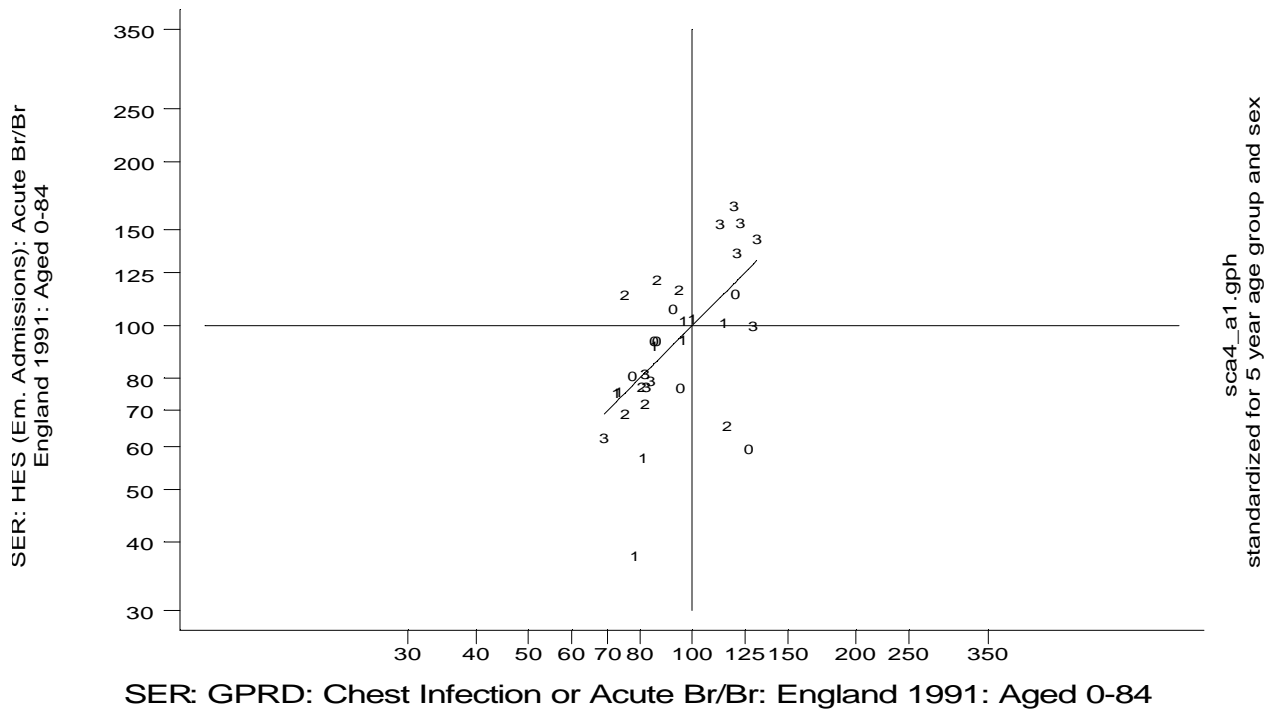


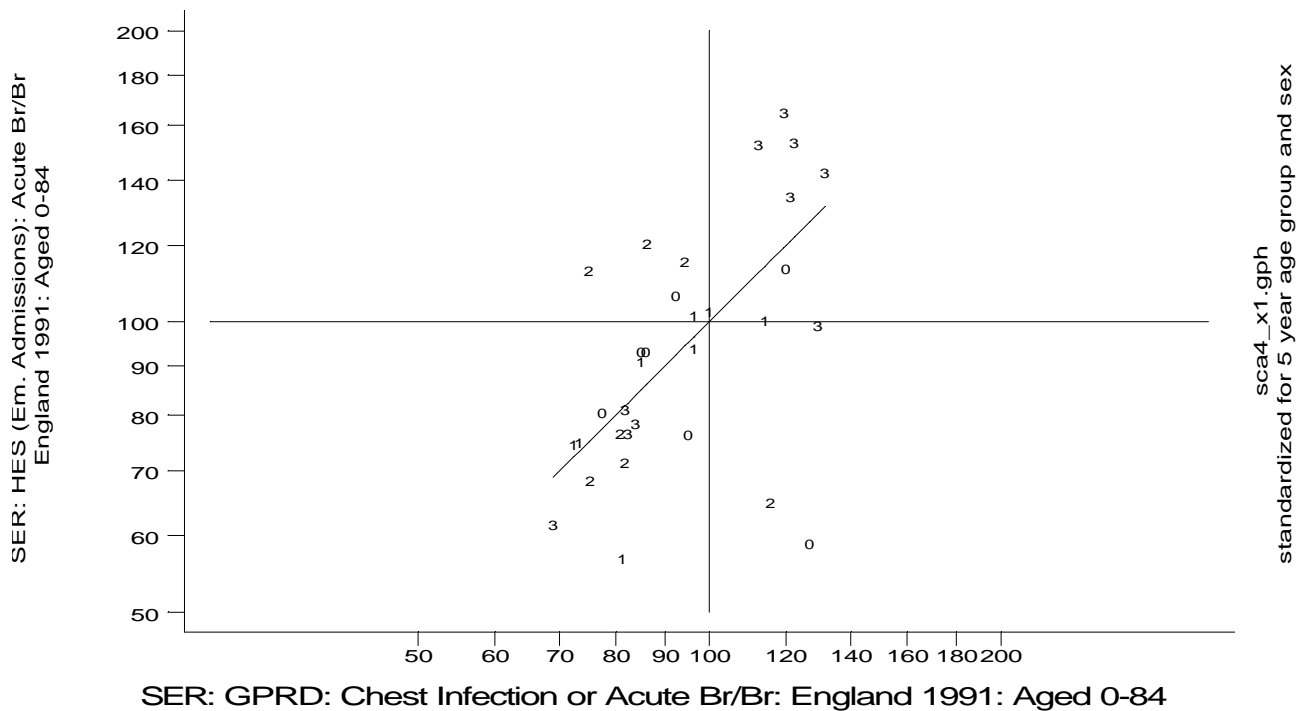
A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 1 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84

“ALL AGES vs. ALL AGES”



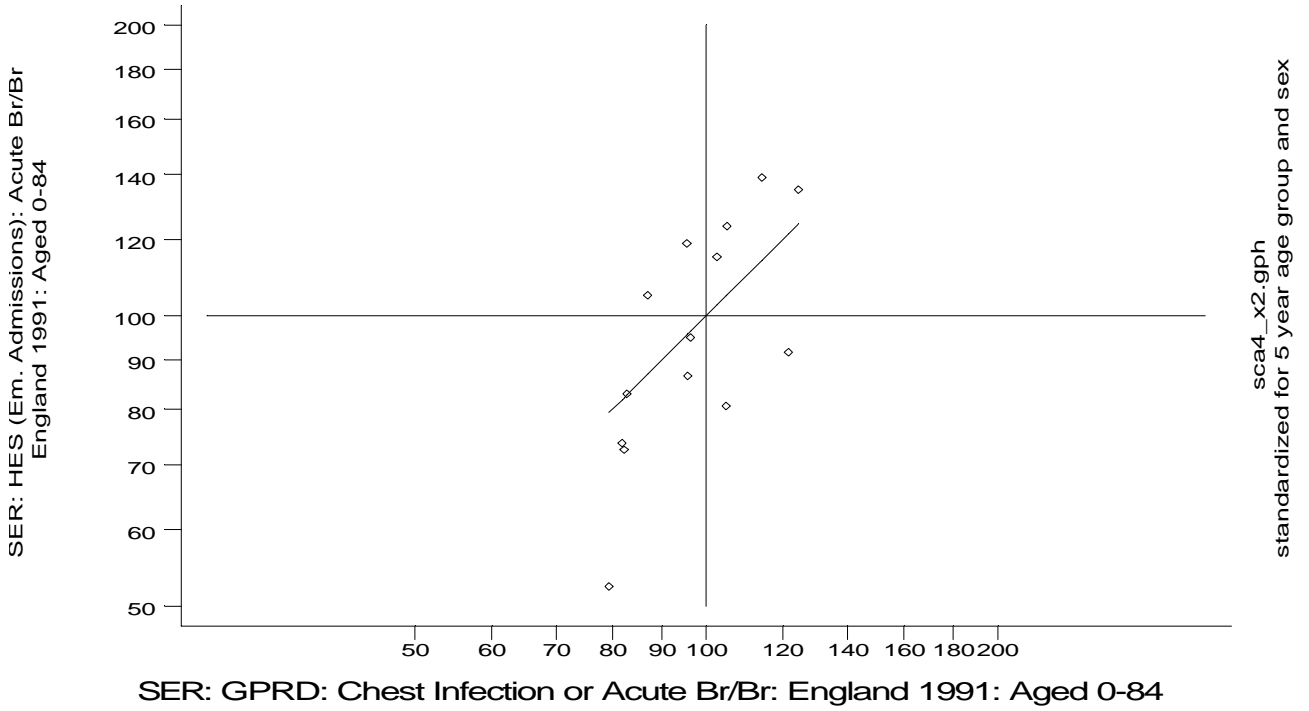
Re-scaling and omitting the outlying point for SW Thames, mixed:



A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 2 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

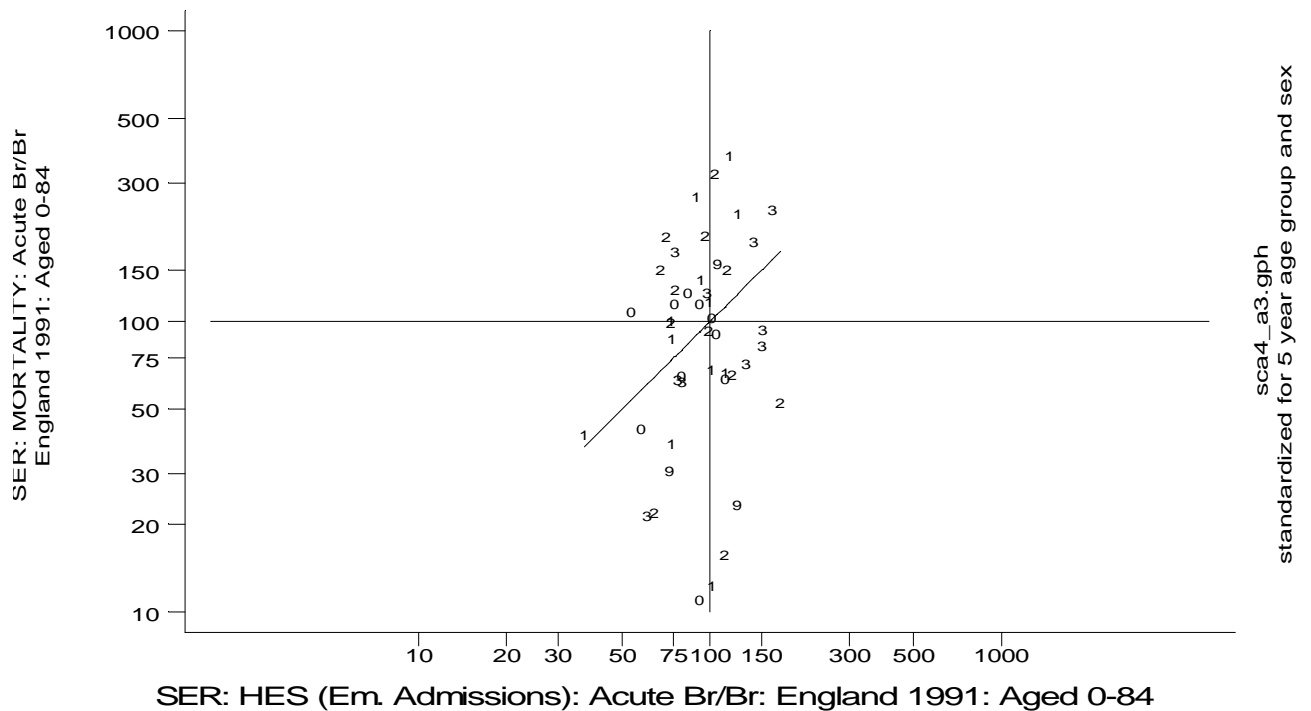
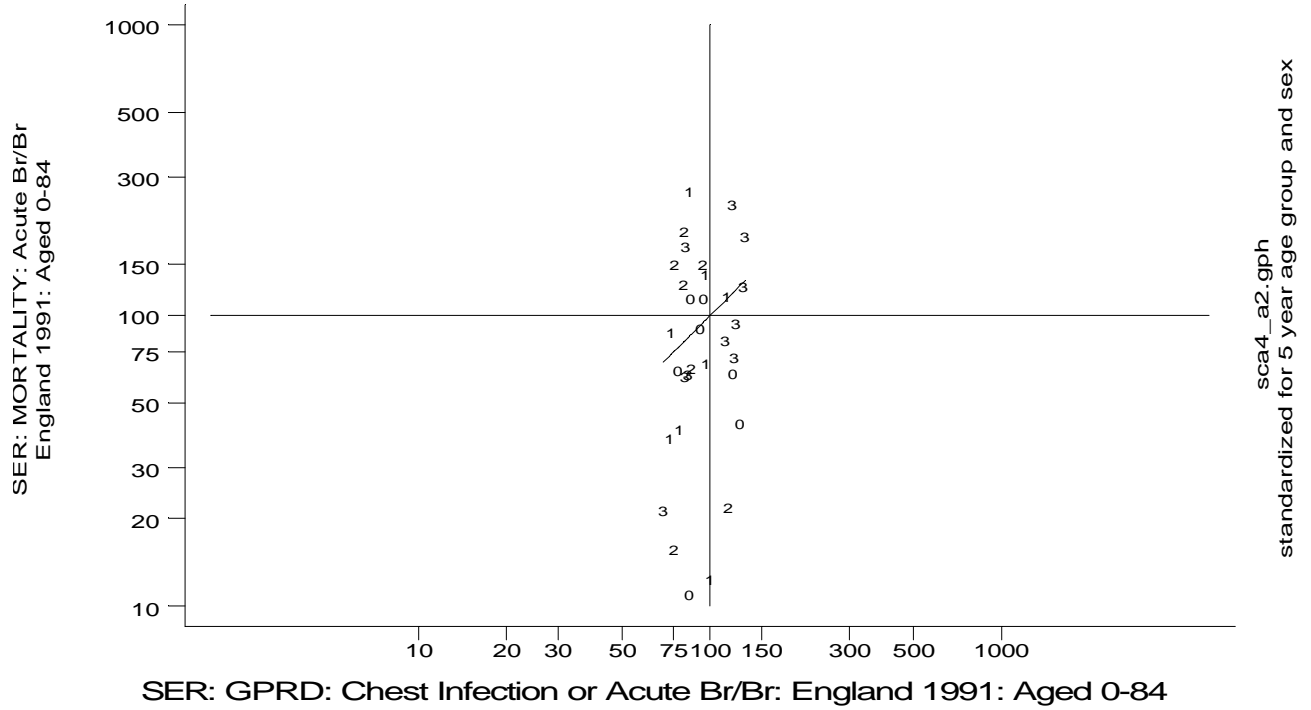
- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

All the data, but this time by region:



A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 3 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

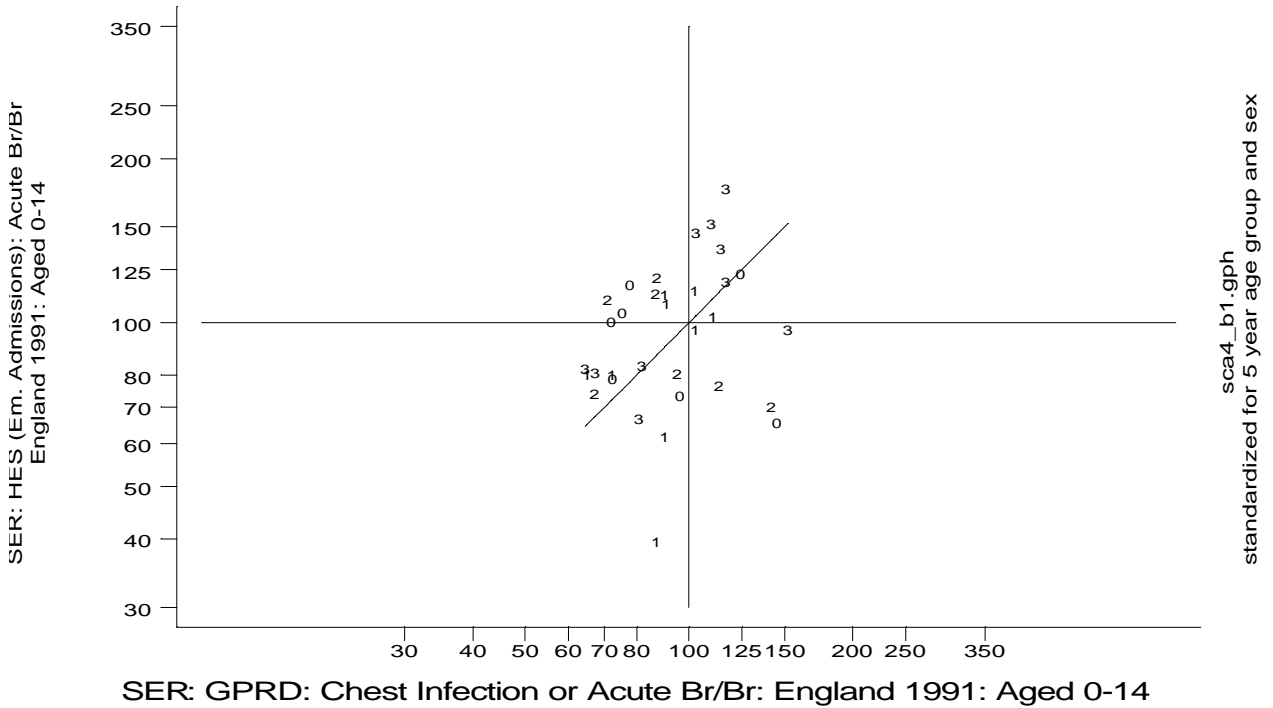
- region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84



A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 4 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84

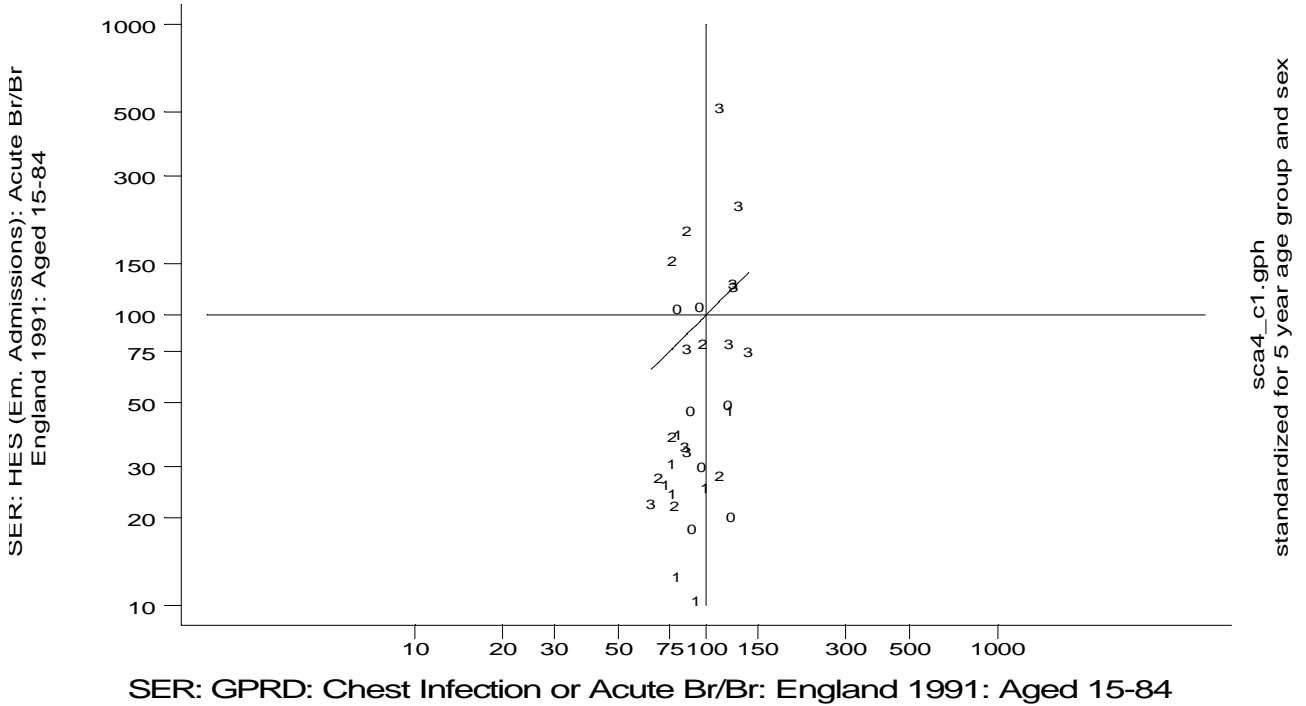
“CHILDREN vs. CHILDREN”



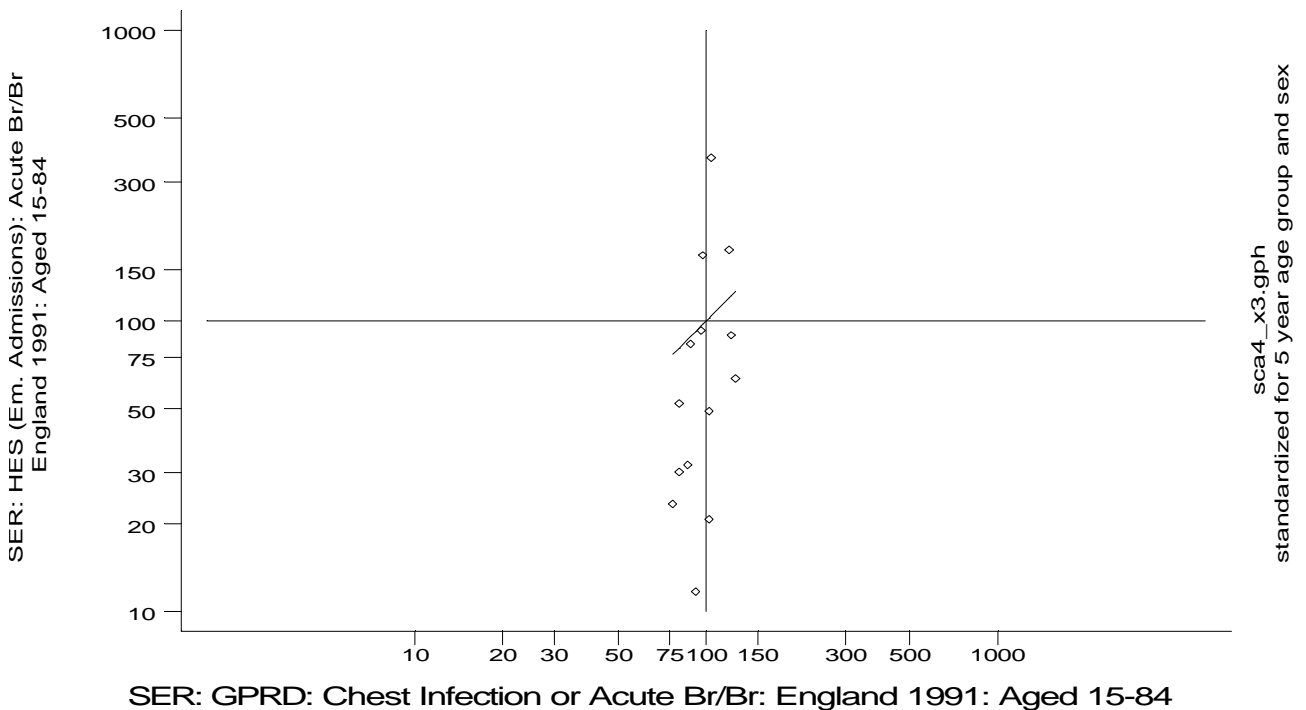
A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 5 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84

“ADULTS vs. ADULTS”



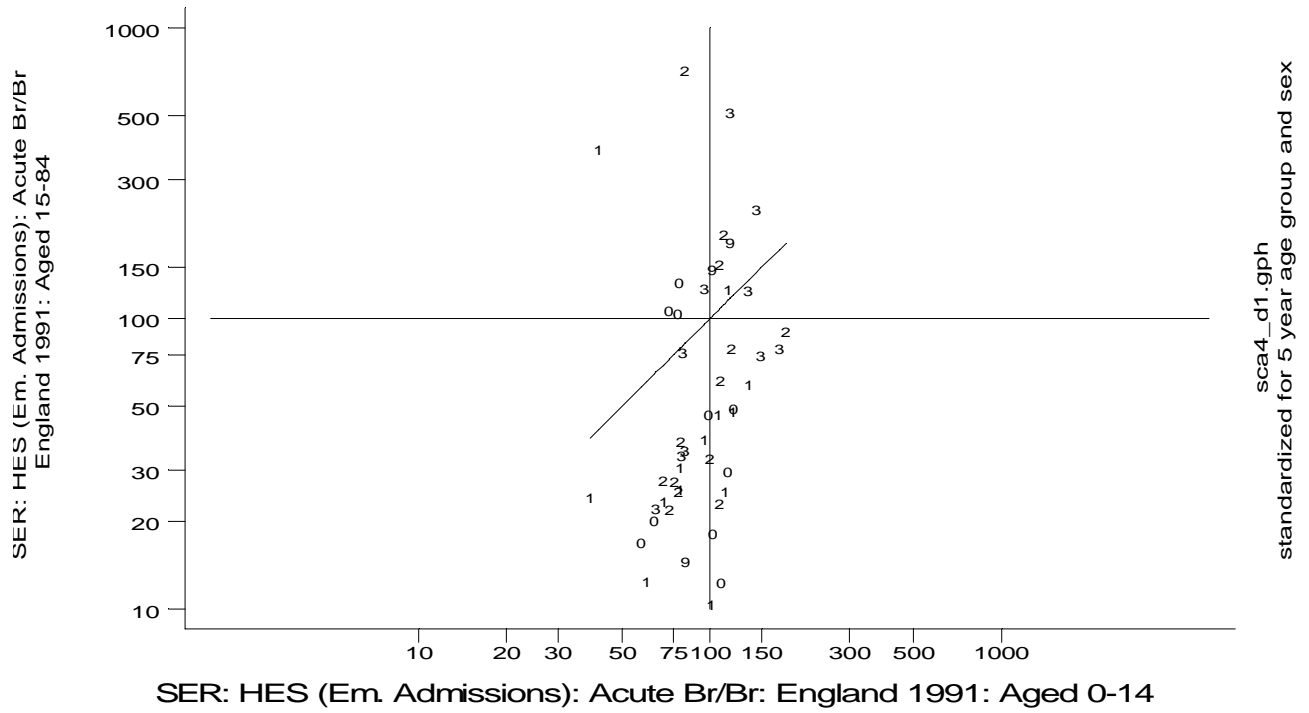
And by the 14 regions:



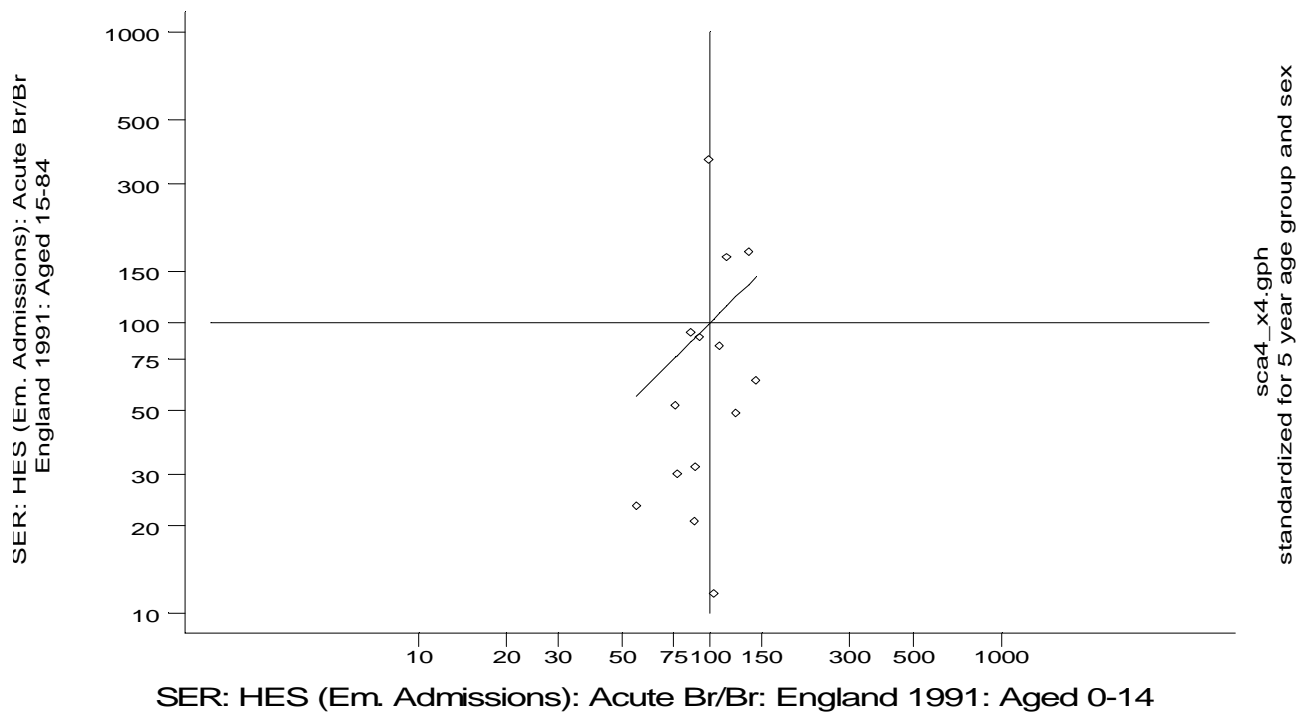
A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 6 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84

“ADULTS vs. CHILDREN”

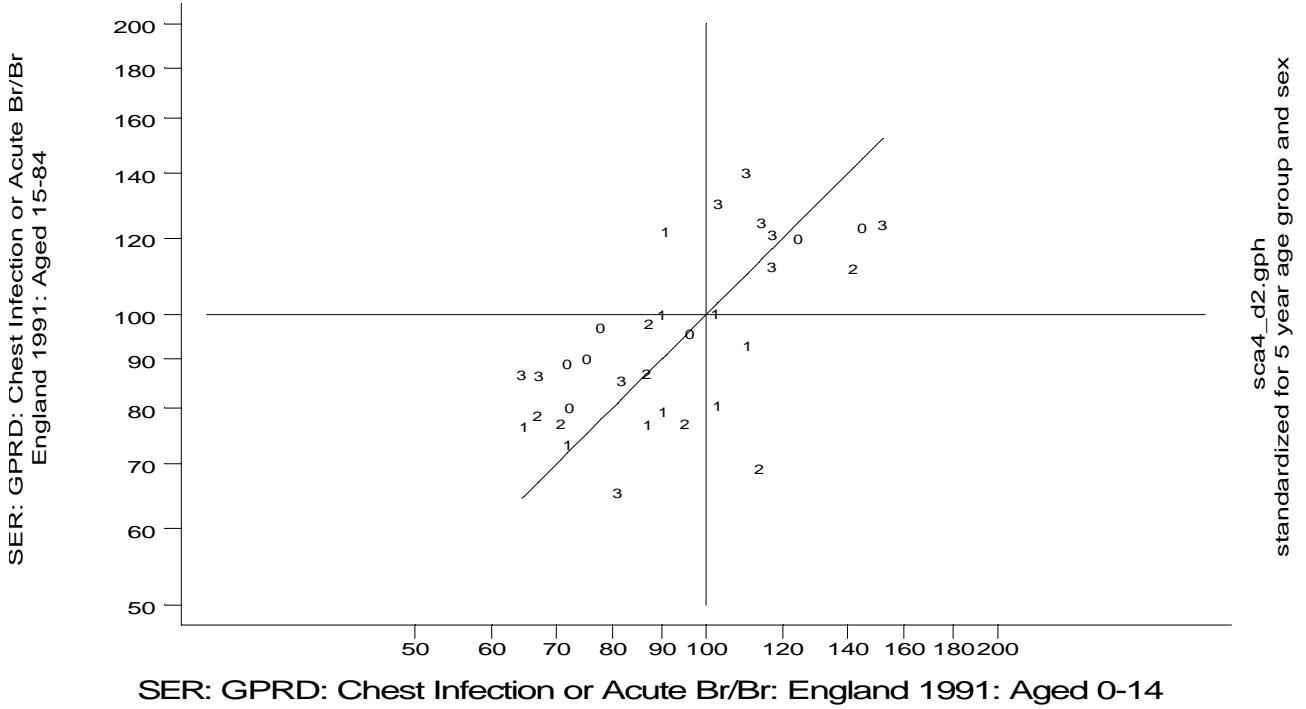


And by the 14 regions:



A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 7 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**



A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 8 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Acute Bronchitis or Bronchiolitis: Spearman Rank Correlation Coefficients: “*All Ages vs. All Ages*”
 (correlation in brackets is between the 14 regions, as opposed to between combinations of region and urban-rural)

	MORTALITY	HES	GPRD
MORTALITY		0.21	0.24
HES	0.21		0.58 (0.73)
GPRD	0.24	0.58 (0.73)	

Acute Bronchitis or Bronchiolitis: Spearman Rank Correlation Coefficients: “*Children vs. Children*”

	MORTALITY	HES	GPRD
MORTALITY			
HES			0.24
GPRD		0.24	

Acute Bronchitis or Bronchiolitis: Spearman Rank Correlation Coefficients: “*Adults vs. Adults*”
 (correlation in brackets is between the 14 regions, as opposed to between combinations of region and urban-rural)

	MORTALITY	HES	GPRD
MORTALITY			
HES			0.36 (0.50)
GPRD		0.36 (0.50)	

Acute Bronchitis or Bronchiolitis: Spearman Rank Correlation Coefficients: “*Adults vs. Children*”
 (correlation in brackets is between the 14 regions, as opposed to between combinations of region and urban-rural)

	MORTALITY	HES	GPRD
MORTALITY			
HES		0.37 (0.40)	
GPRD			0.64

Acute Bronchitis or Bronchiolitis: Spearman Rank Correlation Coefficients: *Adults and Children*
 (correlation in brackets is between the 14 regions, as opposed to between combinations of region and urban-rural)

	HES Aged 0-14	HES Aged 15-84		GPRD Aged 0-14	GPRD Aged 15-84
HES Aged 0-14		0.37 (0.40)		0.24	
HES Aged 15-84	0.37 (0.40)				0.36 (0.50)
GPRD Aged 0-14	0.24				0.64
GPRD Aged 15-84		0.36 (0.50)		0.64	

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 9 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

ALL AGES vs. ALL AGES

a1: HES (0-84) vs. GPRD (0-84)
Number of obs = 33
Spearman's rho = 0.5759
Test of Ho: hsl_4 and gsal_14 independent
Pr > |t| = 0.0005

x2: HES (0-84) vs. GPRD (0-84)
Number of obs = 14
Spearman's rho = 0.7275
Test of Ho: hsl_4 and gsal_14 independent
Pr > |t| = 0.0032

a2: MORTALITY (0-84) vs. GPRD (0-84)
Number of obs = 33
Spearman's rho = 0.2360
Test of Ho: msl_4 and gsal_14 independent
Pr > |t| = 0.1862

a3: MORTALITY (0-84) vs. HES (0-84)
Number of obs = 50
Spearman's rho = 0.2114
Test of Ho: msl_4 and hsl_4 independent
Pr > |t| = 0.1406

CHILDREN vs. CHILDREN

b1: HES (0-14) vs. GPRD (0-14)
Number of obs = 33
Spearman's rho = 0.2356
Test of Ho: hs2_4 and gsa2_14 independent
Pr > |t| = 0.1868

ADULTS vs. ADULTS

c1: HES (15-84) vs. GPRD (15-84)
Number of obs = 33
Spearman's rho = 0.3603
Test of Ho: hs3_4 and gsa3_14 independent
Pr > |t| = 0.0394

x3: HES (15-84) vs. GPRD (15-84)
Number of obs = 14
Spearman's rho = 0.5033
Test of Ho: hs3_4 and gsa3_14 independent
Pr > |t| = 0.0666

ADULTS vs. CHILDREN

d1: HES (15-84) vs. HES (0-14)
Number of obs = 50
Spearman's rho = 0.3738
Test of Ho: hs3_4 and hs2_4 independent
Pr > |t| = 0.0075

x4: HES (15-84) vs. HES (0-14)
Number of obs = 14
Spearman's rho = 0.4022
Test of Ho: hs3_4 and hs2_4 independent
Pr > |t| = 0.1540

d2: GPRD (15-84) vs. GPRD (0-14)
Number of obs = 33
Spearman's rho = 0.6354
Test of Ho: gsa3_14 and gsa2_14 independent
Pr > |t| = 0.0001

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 10 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

ALL AGES

Observed Number of Acute Br/Br Events,
 England 1991: Aged 0-84

rha	urban	goal_14	hol_4	mol_4
Northern	rural	6885	417	4
Northern	mixed	.	329	3
Northern	urban	.	525	2
Northern	conurbat	4615	789	16
Yorkshir	rural	.	194	5
Yorkshir	mixed	1944	352	7
Yorkshir	urban	.	268	5
Yorkshir	conurbat	2120	911	16
Trent	rural	1948	472	7
Trent	mixed	2010	834	36
Trent	urban	.	331	15
Trent	conurbat	4569	1064	24
E Anglia	rural	4456	459	12
E Anglia	mixed	2824	207	2
E Anglia	Indeterm	.	215	5
NW Thame	mixed	2415	209	0
NW Thame	urban	1503	319	7
NW Thame	conurbat	2543	782	9
NE Thame	rural	.	146	5
NE Thame	mixed	.	98	0
NE Thame	urban	613	224	9
NE Thame	conurbat	1167	1007	10
SE Thame	rural	1020	257	6
SE Thame	mixed	.	349	14
SE Thame	urban	322	370	12
SE Thame	conurbat	812	590	18
SW Thame	mixed	4454	207	4
SW Thame	urban	653	174	1
SW Thame	conurbat	1060	386	2
Wessex	rural	4217	67	1
Wessex	mixed	1640	409	3
Wessex	urban	.	481	7
Wessex	Indeterm	.	213	2
Oxford	rural	.	306	4
Oxford	mixed	2647	848	17
Oxford	urban	.	103	2
S Wester	rural	1907	445	1
S Wester	mixed	2448	424	1
S Wester	urban	1731	460	1
S Wester	Indeterm	.	325	1
W Midlan	rural	974	336	4
W Midlan	mixed	.	299	6
W Midlan	urban	2535	459	4
W Midlan	conurbat	13843	2270	17
Mersey	mixed	2481	224	4
Mersey	urban	.	233	0
Mersey	conurbat	3514	1022	8
N Wester	mixed	.	136	7
N Wester	urban	2388	692	14
N Wester	conurbat	7280	2127	18

A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 11 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Denominator for Acute Br/Br Events,
 England 1991: Aged 0-84

rha	urban	gdal_14	hd1_4	mdl_4
Northern	rural	73693.9	782999	782999
Northern	mixed	.	597416	597416
Northern	urban	.	553415	553415
Northern	conurbat	46625.4	1114143	1114143
Yorkshir	rural	.	487087	487087
Yorkshir	mixed	21894.9	739537	739537
Yorkshir	urban	.	663675	663675
Yorkshir	conurbat	21123.7	1732867	1732867
Trent	rural	26873.1	944794	944794
Trent	mixed	31104.1	1805855	1805855
Trent	urban	.	616563	616563
Trent	conurbat	50327.4	1283438	1283438
E Anglia	rural	60878.6	1232209	1232209
E Anglia	mixed	39800.4	418874	418874
E Anglia	Indeterm	.	396166	396166
NW Thame	mixed	39289.2	722017	722017
NW Thame	urban	24596.9	777014	777014
NW Thame	conurbat	41145.8	2029948	2029948
NE Thame	rural	.	553971	553971
NE Thame	mixed	.	290283	290283
NE Thame	urban	9959.2	608426	608426
NE Thame	conurbat	18955.0	2277344	2277344
SE Thame	rural	14831.8	561907	561907
SE Thame	mixed	.	589118	589118
SE Thame	urban	5564.5	1052077	1052077
SE Thame	conurbat	12769.3	1432129	1432129
SW Thame	mixed	73245.9	1156955	1156955
SW Thame	urban	7411.1	562687	562687
SW Thame	conurbat	20236.4	1254634	1254634
Wessex	rural	41099.5	247082	247082
Wessex	mixed	29406.8	1080522	1080522
Wessex	urban	.	952302	952302
Wessex	Indeterm	.	643322	643322
Oxford	rural	.	592824	592824
Oxford	mixed	37103.4	1755566	1755566
Oxford	urban	.	177780	177780
S Wester	rural	27446.6	1004839	1004839
S Wester	mixed	30809.9	879303	879303
S Wester	urban	31243.0	819129	819129
S Wester	Indeterm	.	529621	529621
W Midlan	rural	16603.4	823682	823682
W Midlan	mixed	.	818638	818638
W Midlan	urban	38256.0	787725	787725
W Midlan	conurbat	163850.3	2764012	2764012
Mersey	mixed	44506.4	607659	607659
Mersey	urban	.	326479	326479
Mersey	conurbat	38048.6	1446235	1446235
N Wester	mixed	.	235257	235257
N Wester	urban	32636.9	1142919	1142919
N Wester	conurbat	79551.5	2572495	2572495

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 12 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Crude Rate of Acute Br/Br Events,
 England 1991: Aged 0-84

rha	urban	gral_14	hr1_4	mr1_4
Northern	rural	93.4	532.6	5.1
Northern	mixed	.	550.7	5.0
Northern	urban	.	948.7	3.6
Northern	conurbat	99.0	708.2	14.4
Yorkshir	rural	.	398.3	10.3
Yorkshir	mixed	88.8	476.0	9.5
Yorkshir	urban	.	403.8	7.5
Yorkshir	conurbat	100.4	525.7	9.2
Trent	rural	72.5	499.6	7.4
Trent	mixed	64.6	461.8	19.9
Trent	urban	.	536.8	24.3
Trent	conurbat	90.8	829.0	18.7
E Anglia	rural	73.2	372.5	9.7
E Anglia	mixed	71.0	494.2	4.8
E Anglia	Indeterm	.	542.7	12.6
NW Thame	mixed	61.5	289.5	0.0
NW Thame	urban	61.1	410.5	9.0
NW Thame	conurbat	61.8	385.2	4.4
NE Thame	rural	.	263.6	9.0
NE Thame	mixed	.	337.6	0.0
NE Thame	urban	61.6	368.2	14.8
NE Thame	conurbat	61.6	442.2	4.4
SE Thame	rural	68.8	457.4	10.7
SE Thame	mixed	.	592.4	23.8
SE Thame	urban	57.9	351.7	11.4
SE Thame	conurbat	63.6	412.0	12.6
SW Thame	mixed	60.8	178.9	3.5
SW Thame	urban	88.1	309.2	1.8
SW Thame	conurbat	52.4	307.7	1.6
Wessex	rural	102.6	271.2	4.0
Wessex	mixed	55.8	378.5	2.8
Wessex	urban	.	505.1	7.4
Wessex	Indeterm	.	331.1	3.1
Oxford	rural	.	516.2	6.7
Oxford	mixed	71.3	483.0	9.7
Oxford	urban	.	579.4	11.2
S Wester	rural	69.5	442.9	1.0
S Wester	mixed	79.5	482.2	1.1
S Wester	urban	55.4	561.6	1.2
S Wester	Indeterm	.	613.6	1.9
W Midlan	rural	58.7	407.9	4.9
W Midlan	mixed	.	365.2	7.3
W Midlan	urban	66.3	582.7	5.1
W Midlan	conurbat	84.5	821.3	6.2
Mersey	mixed	55.7	368.6	6.6
Mersey	urban	.	713.7	0.0
Mersey	conurbat	92.4	706.7	5.5
N Wester	mixed	.	578.1	29.8
N Wester	urban	73.2	605.5	12.2
N Wester	conurbat	91.5	826.8	7.0

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 13 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Expected Number of Acute Br/Br Events,
 England 1991: Aged 0-84

rha	urban	geal_14	hel_4	mel_4
Northern	rural	5740.5	371.1	6.5
Northern	mixed	.	292.7	4.7
Northern	urban	.	302.0	3.9
Northern	conurbat	3505.9	558.2	8.8
Yorkshir	rural	.	230.7	4.1
Yorkshir	mixed	1704.5	354.4	6.2
Yorkshir	urban	.	366.2	5.2
Yorkshir	conurbat	1637.1	930.8	13.2
Trent	rural	2109.8	448.2	8.0
Trent	mixed	2367.4	928.1	13.9
Trent	urban	.	318.1	4.8
Trent	conurbat	3831.5	652.4	10.2
E Anglia	rural	4687.1	608.0	10.8
E Anglia	mixed	2930.3	206.4	3.0
E Anglia	Indeterm	.	203.0	3.3
NW Thame	mixed	2972.3	372.1	5.2
NW Thame	urban	1857.8	422.0	5.7
NW Thame	conurbat	3031.9	1009.7	14.8
NE Thame	rural	.	273.7	4.8
NE Thame	mixed	.	150.9	2.1
NE Thame	urban	750.4	317.1	4.8
NE Thame	conurbat	1425.7	1256.1	16.7
SE Thame	rural	1186.9	279.3	5.4
SE Thame	mixed	.	279.9	6.2
SE Thame	urban	428.1	547.1	8.3
SE Thame	conurbat	986.6	780.9	10.7
SW Thame	mixed	5677.3	559.3	10.2
SW Thame	urban	564.1	271.0	4.7
SW Thame	conurbat	1537.5	633.5	9.6
Wessex	rural	3324.9	115.2	2.4
Wessex	mixed	2264.4	554.3	8.2
Wessex	urban	.	487.8	7.8
Wessex	Indeterm	.	294.3	6.7
Oxford	rural	.	302.3	4.0
Oxford	mixed	2749.6	915.0	12.7
Oxford	urban	.	107.3	1.1
S Wester	rural	2242.1	483.6	9.4
S Wester	mixed	2448.9	418.7	8.4
S Wester	urban	2307.0	411.3	6.6
S Wester	Indeterm	.	263.1	4.4
W Midlan	rural	1257.2	421.9	6.4
W Midlan	mixed	.	407.2	6.2
W Midlan	urban	2942.2	385.7	6.3
W Midlan	conurbat	12311.5	1503.1	21.4
Mersey	mixed	3379.7	302.4	4.7
Mersey	urban	.	175.3	2.3
Mersey	conurbat	2900.7	766.4	11.6
N Wester	mixed	.	117.0	1.9
N Wester	urban	2528.6	605.0	9.6
N Wester	conurbat	5948.6	1403.8	19.9

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 14 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

SER's for Acute Br/Br Events, standardized for age5 and sex
 England 1991: Aged 0-84

	rha	urban	gsal_14	hs1_4	ms1_4
Northern	rural		119.9	112.4	61.4
Northern	mixed		.	112.4	64.0
Northern	urban		.	173.8	50.7
Northern	conurbat		131.6	141.3	181.6
Yorkshir	rural		.	84.1	120.8
Yorkshir	mixed		114.1	99.3	112.7
Yorkshir	urban		.	73.2	95.7
Yorkshir	conurbat		129.5	97.9	121.4
Trent	rural		92.3	105.3	87.3
Trent	mixed		84.9	89.9	258.7
Trent	urban		.	104.1	313.1
Trent	conurbat		119.2	163.1	234.2
E Anglia	rural		95.1	75.5	110.9
E Anglia	mixed		96.4	100.3	66.1
E Anglia	Indeterm		.	105.9	153.1
NW Thame	mixed		81.2	56.2	0.0
NW Thame	urban		80.9	75.6	123.9
NW Thame	conurbat		83.9	77.5	60.8
NE Thame	rural		.	53.3	104.5
NE Thame	mixed		.	65.0	0.0
NE Thame	urban		81.7	70.6	188.4
NE Thame	conurbat		81.9	80.2	59.8
SE Thame	rural		85.9	92.0	110.9
SE Thame	mixed		.	124.7	226.9
SE Thame	urban		75.2	67.6	145.3
SE Thame	conurbat		82.3	75.6	167.5
SW Thame	mixed		78.5	37.0	39.2
SW Thame	urban		115.8	64.2	21.3
SW Thame	conurbat		68.9	60.9	20.8
Wessex	rural		126.8	58.2	41.3
Wessex	mixed		72.4	73.8	36.6
Wessex	urban		.	98.6	89.4
Wessex	Indeterm		.	72.4	29.8
Oxford	rural		.	101.2	100.2
Oxford	mixed		96.3	92.7	134.4
Oxford	urban		.	96.0	189.6
S Wester	rural		85.1	92.0	10.7
S Wester	mixed		100.0	101.3	11.9
S Wester	urban		75.0	111.8	15.2
S Wester	Indeterm		.	123.5	22.5
W Midlan	rural		77.5	79.6	62.8
W Midlan	mixed		.	73.4	97.2
W Midlan	urban		86.2	119.0	63.6
W Midlan	conurbat		112.4	151.0	79.6
Mersey	mixed		73.4	74.1	84.2
Mersey	urban		.	132.9	0.0
Mersey	conurbat		121.1	133.3	69.0
N Wester	mixed		.	116.3	359.9
N Wester	urban		94.4	114.4	145.5
N Wester	conurbat		122.4	151.5	90.3

	rha	hs1_4	gsal_14
1. Northern		135.1566	124.3724
2. Yorkshir		91.65048	121.6183
3. Trent		115.0877	102.6272
4. E Anglia		86.59254	95.57096
5. NW Thame		72.6267	82.17942
6. NE Thame		73.83376	81.79871
7. SE Thame		82.98162	82.79521
8. SW Thame		52.39494	79.27934
9. Wessex		80.60233	104.7904
10. Oxford		94.89095	96.2683
11. S Wester		104.8993	86.96852
12. W Midlan		123.7703	105.094
13. Mersey		118.8753	95.45535
14. N Wester		139.0095	114.0476

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 15 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

CHILDREN

Observed Number of Acute Br/Br Events,
 England 1991: Aged 0-14

rha	urban	goa2_14	ho2_4
Northern	rural	1584	397
Northern	mixed	.	315
Northern	urban	.	503
Northern	conurbat	999	748
Yorkshir	rural	.	160
Yorkshir	mixed	342	334
Yorkshir	urban	.	260
Yorkshir	conurbat	567	809
Trent	rural	339	457
Trent	mixed	547	801
Trent	urban	.	313
Trent	conurbat	1092	1014
E Anglia	rural	1027	388
E Anglia	mixed	754	207
E Anglia	Indeterm	.	185
NW Thame	mixed	600	205
NW Thame	urban	428	306
NW Thame	conurbat	516	750
NE Thame	rural	.	141
NE Thame	mixed	.	95
NE Thame	urban	249	216
NE Thame	conurbat	172	930
SE Thame	rural	208	251
SE Thame	mixed	.	327
SE Thame	urban	71	359
SE Thame	conurbat	124	568
SW Thame	mixed	1049	192
SW Thame	urban	135	166
SW Thame	conurbat	323	373
Wessex	rural	1058	64
Wessex	mixed	403	396
Wessex	urban	.	470
Wessex	Indeterm	.	207
Oxford	rural	.	303
Oxford	mixed	710	840
Oxford	urban	.	101
S Wester	rural	307	418
S Wester	mixed	559	411
S Wester	urban	393	398
S Wester	Indeterm	.	275
W Midlan	rural	236	295
W Midlan	mixed	.	152
W Midlan	urban	593	383
W Midlan	conurbat	3620	1600
Mersey	mixed	479	215
Mersey	urban	.	132
Mersey	conurbat	836	934
N Wester	mixed	.	121
N Wester	urban	562	646
N Wester	conurbat	1564	1842

A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 16 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Denominator for Acute Br/Br Events,
 England 1991: Aged 0-14

rha	urban	gda2_14	hd2_4
Northern	rural	13443.4	146018
Northern	mixed	.	114464
Northern	urban	.	119187
Northern	conurbat	9747.0	212942
Yorkshir	rural	.	90405
Yorkshir	mixed	4017.7	136296
Yorkshir	urban	.	135882
Yorkshir	conurbat	3802.9	350160
Trent	rural	4742.6	172811
Trent	mixed	5605.9	354675
Trent	urban	.	116494
Trent	conurbat	9970.5	241588
E Anglia	rural	10988.7	231367
E Anglia	mixed	8897.9	79281
E Anglia	Indeterm	.	77744
NW Thame	mixed	7113.2	142091
NW Thame	urban	4836.4	158924
NW Thame	conurbat	6488.4	363354
NE Thame	rural	.	102605
NE Thame	mixed	.	58504
NE Thame	urban	2198.4	119864
NE Thame	conurbat	2622.0	449704
SE Thame	rural	3042.5	104546
SE Thame	mixed	.	105583
SE Thame	urban	1099.4	202131
SE Thame	conurbat	1992.6	273090
SW Thame	mixed	12908.8	213009
SW Thame	urban	1089.1	102303
SW Thame	conurbat	3878.8	221192
Wessex	rural	7560.0	44385
Wessex	mixed	5720.5	210665
Wessex	urban	.	179073
Wessex	Indeterm	.	108814
Oxford	rural	.	117802
Oxford	mixed	7123.7	351918
Oxford	urban	.	42788
S Wester	rural	4601.2	185876
S Wester	mixed	5781.1	155829
S Wester	urban	5821.4	152631
S Wester	Indeterm	.	99364
W Midlan	rural	3479.9	163040
W Midlan	mixed	.	157573
W Midlan	urban	7257.8	146513
W Midlan	conurbat	32092.7	565178
Mersey	mixed	8040.9	116525
Mersey	urban	.	68734
Mersey	conurbat	7730.9	291849
N Wester	mixed	.	44915
N Wester	urban	6650.4	228258
N Wester	conurbat	16164.0	525812

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 17 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Crude Rate of Acute Br/Br Events,
 England 1991: Aged 0-14

rha	urban	gra2_14	hr2_4
Northern	rural	117.8	2718.8
Northern	mixed	.	2752.0
Northern	urban	.	4220.3
Northern	conurbat	102.5	3512.7
Yorkshir	rural	.	1769.8
Yorkshir	mixed	85.1	2450.5
Yorkshir	urban	.	1913.4
Yorkshir	conurbat	149.1	2310.4
Trent	rural	71.5	2644.5
Trent	mixed	97.6	2258.4
Trent	urban	.	2686.8
Trent	conurbat	109.5	4197.2
E Anglia	rural	93.5	1677.0
E Anglia	mixed	84.7	2611.0
E Anglia	Indeterm	.	2379.6
NW Thame	mixed	84.3	1442.7
NW Thame	urban	88.5	1925.4
NW Thame	conurbat	79.5	2064.1
NE Thame	rural	.	1374.2
NE Thame	mixed	.	1623.8
NE Thame	urban	113.3	1802.0
NE Thame	conurbat	65.6	2068.0
SE Thame	rural	68.4	2400.9
SE Thame	mixed	.	3097.1
SE Thame	urban	64.6	1776.1
SE Thame	conurbat	62.2	2079.9
SW Thame	mixed	81.3	901.4
SW Thame	urban	124.0	1622.6
SW Thame	conurbat	83.3	1686.3
Wessex	rural	139.9	1441.9
Wessex	mixed	70.4	1879.8
Wessex	urban	.	2624.6
Wessex	Indeterm	.	1902.3
Oxford	rural	.	2572.1
Oxford	mixed	99.7	2386.9
Oxford	urban	.	2360.5
S Wester	rural	66.7	2248.8
S Wester	mixed	96.7	2637.5
S Wester	urban	67.5	2607.6
S Wester	Indeterm	.	2767.6
W Midlan	rural	67.8	1809.4
W Midlan	mixed	.	964.6
W Midlan	urban	81.7	2614.1
W Midlan	conurbat	112.8	2831.0
Mersey	mixed	59.6	1845.1
Mersey	urban	.	1920.4
Mersey	conurbat	108.1	3200.3
N Wester	mixed	.	2694.0
N Wester	urban	84.5	2830.1
N Wester	conurbat	96.8	3503.2

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 18 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Expected Number of Acute Br/Br Events,
 England 1991: Aged 0-14

rha	urban	gea2_14	he2_4
Northern	rural	1272.3	329.1
Northern	mixed	.	262.6
Northern	urban	.	276.9
Northern	conurbat	909.0	501.6
Yorkshir	rural	.	204.3
Yorkshir	mixed	376.9	314.7
Yorkshir	urban	.	333.6
Yorkshir	conurbat	372.7	848.1
Trent	rural	436.0	396.2
Trent	mixed	532.6	839.5
Trent	urban	.	287.6
Trent	conurbat	933.3	587.1
E Anglia	rural	1068.2	539.0
E Anglia	mixed	837.6	187.3
E Anglia	Indeterm	.	182.0
NW Thame	mixed	665.1	338.9
NW Thame	urban	450.9	386.4
NW Thame	conurbat	631.8	915.7
NE Thame	rural	.	243.2
NE Thame	mixed	.	137.6
NE Thame	urban	219.7	286.9
NE Thame	conurbat	266.8	1151.6
SE Thame	rural	276.3	245.3
SE Thame	mixed	.	241.6
SE Thame	urban	106.1	495.3
SE Thame	conurbat	184.7	713.5
SW Thame	mixed	1207.0	495.5
SW Thame	urban	95.2	241.2
SW Thame	conurbat	399.2	573.1
Wessex	rural	730.2	99.8
Wessex	mixed	560.2	502.5
Wessex	urban	.	438.3
Wessex	Indeterm	.	251.7
Oxford	rural	.	277.2
Oxford	mixed	643.4	835.2
Oxford	urban	.	101.0
S Wester	rural	427.5	423.8
S Wester	mixed	546.8	365.7
S Wester	urban	556.0	369.6
S Wester	Indeterm	.	234.9
W Midlan	rural	326.4	381.4
W Midlan	mixed	.	367.6
W Midlan	urban	684.0	345.3
W Midlan	conurbat	3094.3	1368.3
Mersey	mixed	739.3	272.1
Mersey	urban	.	160.7
Mersey	conurbat	732.2	693.6
N Wester	mixed	.	104.7
N Wester	urban	644.1	544.8
N Wester	conurbat	1520.6	1279.7

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 19 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

SER's for Acute Br/Br Events, standardized for age5 and sex
 England 1991: Aged 0-14

rha	urban	gsa2_14	hs2_4
Northern	rural	124.5	120.6
Northern	mixed	.	120.0
Northern	urban	.	181.7
Northern	conurbat	109.9	149.1
Yorkshir	rural	.	78.3
Yorkshir	mixed	90.8	106.1
Yorkshir	urban	.	77.9
Yorkshir	conurbat	152.1	95.4
Trent	rural	77.8	115.4
Trent	mixed	102.7	95.4
Trent	urban	.	108.8
Trent	conurbat	117.0	172.7
E Anglia	rural	96.1	72.0
E Anglia	mixed	90.0	110.5
E Anglia	Indeterm	.	101.7
NW Thame	mixed	90.2	60.5
NW Thame	urban	94.9	79.2
NW Thame	conurbat	81.7	81.9
NE Thame	rural	.	58.0
NE Thame	mixed	.	69.1
NE Thame	urban	113.4	75.3
NE Thame	conurbat	64.5	80.8
SE Thame	rural	75.3	102.3
SE Thame	mixed	.	135.4
SE Thame	urban	66.9	72.5
SE Thame	conurbat	67.1	79.6
SW Thame	mixed	86.9	38.8
SW Thame	urban	141.8	68.8
SW Thame	conurbat	80.9	65.1
Wessex	rural	144.9	64.1
Wessex	mixed	71.9	78.8
Wessex	urban	.	107.2
Wessex	Indeterm	.	82.2
Oxford	rural	.	109.3
Oxford	mixed	110.4	100.6
Oxford	urban	.	100.0
S Wester	rural	71.8	98.6
S Wester	mixed	102.2	112.4
S Wester	urban	70.7	107.7
S Wester	Indeterm	.	117.1
W Midlan	rural	72.3	77.4
W Midlan	mixed	.	41.4
W Midlan	urban	86.7	110.9
W Midlan	conurbat	117.0	116.9
Mersey	mixed	64.8	79.0
Mersey	urban	.	82.1
Mersey	conurbat	114.2	134.7
N Wester	mixed	.	115.6
N Wester	urban	87.3	118.6
N Wester	conurbat	102.9	143.9

A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 20 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

ADULTS

Observed Number of Acute Br/Br Events,
 England 1991: Aged 15-84

rha	urban	goa3_14	ho3_4
Northern	rural	5301	20
Northern	mixed	.	14
Northern	urban	.	22
Northern	conurbat	3616	41
Yorkshir	rural	.	34
Yorkshir	mixed	1602	18
Yorkshir	urban	.	8
Yorkshir	conurbat	1553	102
Trent	rural	1609	15
Trent	mixed	1463	33
Trent	urban	.	18
Trent	conurbat	3477	50
E Anglia	rural	3429	71
E Anglia	mixed	2070	0
E Anglia	Indeterm	.	30
NW Thame	mixed	1815	4
NW Thame	urban	1075	13
NW Thame	conurbat	2027	32
NE Thame	rural	.	5
NE Thame	mixed	.	3
NE Thame	urban	364	8
NE Thame	conurbat	995	77
SE Thame	rural	812	6
SE Thame	mixed	.	22
SE Thame	urban	251	11
SE Thame	conurbat	688	22
SW Thame	mixed	3405	15
SW Thame	urban	518	8
SW Thame	conurbat	737	13
Wessex	rural	3159	3
Wessex	mixed	1237	13
Wessex	urban	.	11
Wessex	Indeterm	.	6
Oxford	rural	.	3
Oxford	mixed	1937	8
Oxford	urban	.	2
S Wester	rural	1600	27
S Wester	mixed	1889	13
S Wester	urban	1338	62
S Wester	Indeterm	.	50
W Midlan	rural	738	41
W Midlan	mixed	.	147
W Midlan	urban	1942	76
W Midlan	conurbat	10223	670
Mersey	mixed	2002	9
Mersey	urban	.	101
Mersey	conurbat	2678	88
N Wester	mixed	.	15
N Wester	urban	1826	46
N Wester	conurbat	5716	285

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 21 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Denominator for Acute Br/Br Events,
 England 1991: Aged 15-84

rha	urban	gda3_14	hd3_4
Northern	rural	60250.6	636981
Northern	mixed	.	482952
Northern	urban	.	434228
Northern	conurbat	36878.4	901201
Yorkshir	rural	.	396682
Yorkshir	mixed	17877.2	603241
Yorkshir	urban	.	527793
Yorkshir	conurbat	17320.8	1382707
Trent	rural	22130.5	771983
Trent	mixed	25498.2	1451180
Trent	urban	.	500069
Trent	conurbat	40357.0	1041850
E Anglia	rural	49889.9	1000842
E Anglia	mixed	30902.5	339593
E Anglia	Indeterm	.	318422
NW Thame	mixed	32176.0	579926
NW Thame	urban	19760.5	618090
NW Thame	conurbat	34657.4	1666594
NE Thame	rural	.	451366
NE Thame	mixed	.	231779
NE Thame	urban	7760.8	488562
NE Thame	conurbat	16333.0	1827640
SE Thame	rural	11789.3	457361
SE Thame	mixed	.	483535
SE Thame	urban	4465.1	849946
SE Thame	conurbat	10776.7	1159039
SW Thame	mixed	60337.0	943946
SW Thame	urban	6322.0	460384
SW Thame	conurbat	16357.6	1033442
Wessex	rural	33539.5	202697
Wessex	mixed	23686.3	869857
Wessex	urban	.	773229
Wessex	Indeterm	.	534508
Oxford	rural	.	475022
Oxford	mixed	29979.7	1403648
Oxford	urban	.	134992
S Wester	rural	22845.4	818963
S Wester	mixed	25028.8	723474
S Wester	urban	25421.6	666498
S Wester	Indeterm	.	430257
W Midlan	rural	13123.6	660642
W Midlan	mixed	.	661065
W Midlan	urban	30998.3	641212
W Midlan	conurbat	131757.6	2198834
Mersey	mixed	36465.5	491134
Mersey	urban	.	257745
Mersey	conurbat	30317.7	1154386
N Wester	mixed	.	190342
N Wester	urban	25986.5	914661
N Wester	conurbat	63387.5	2046683

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 22 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Crude Rate of Acute Br/Br Events,
 England 1991: Aged 15-84

rha	urban	gra3_14	hr3_4
Northern	rural	88.0	31.4
Northern	mixed	.	29.0
Northern	urban	.	50.7
Northern	conurbat	98.1	45.5
Yorkshir	rural	.	85.7
Yorkshir	mixed	89.6	29.8
Yorkshir	urban	.	15.2
Yorkshir	conurbat	89.7	73.8
Trent	rural	72.7	19.4
Trent	mixed	57.4	22.7
Trent	urban	.	36.0
Trent	conurbat	86.2	48.0
E Anglia	rural	68.7	70.9
E Anglia	mixed	67.0	0.0
E Anglia	Indeterm	.	94.2
NW Thame	mixed	56.4	6.9
NW Thame	urban	54.4	21.0
NW Thame	conurbat	58.5	19.2
NE Thame	rural	.	11.1
NE Thame	mixed	.	12.9
NE Thame	urban	46.9	16.4
NE Thame	conurbat	60.9	42.1
SE Thame	rural	68.9	13.1
SE Thame	mixed	.	45.5
SE Thame	urban	56.2	12.9
SE Thame	conurbat	63.8	19.0
SW Thame	mixed	56.4	15.9
SW Thame	urban	81.9	17.4
SW Thame	conurbat	45.1	12.6
Wessex	rural	94.2	14.8
Wessex	mixed	52.2	14.9
Wessex	urban	.	14.2
Wessex	Indeterm	.	11.2
Oxford	rural	.	6.3
Oxford	mixed	64.6	5.7
Oxford	urban	.	14.8
S Wester	rural	70.0	33.0
S Wester	mixed	75.5	18.0
S Wester	urban	52.6	93.0
S Wester	Indeterm	.	116.2
W Midlan	rural	56.2	62.1
W Midlan	mixed	.	222.4
W Midlan	urban	62.6	118.5
W Midlan	conurbat	77.6	304.7
Mersey	mixed	54.9	18.3
Mersey	urban	.	391.9
Mersey	conurbat	88.3	76.2
N Wester	mixed	.	78.8
N Wester	urban	70.3	50.3
N Wester	conurbat	90.2	139.2

A10 Acute bronchitis or bronchiolitis standard output graphs **A10/ SCAT91/ Page 23 of 25**
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

Expected Number of Acute Br/Br Events,
 England 1991: Aged 15-84

rha	urban	gea3_14	he3_4
Northern	rural	4468.2	42.0
Northern	mixed	.	30.2
Northern	urban	.	25.2
Northern	conurbat	2596.9	56.6
Yorkshir	rural	.	26.4
Yorkshir	mixed	1327.6	39.7
Yorkshir	urban	.	32.6
Yorkshir	conurbat	1264.5	82.6
Trent	rural	1673.8	52.1
Trent	mixed	1834.9	88.6
Trent	urban	.	30.5
Trent	conurbat	2898.1	65.3
E Anglia	rural	3618.9	68.9
E Anglia	mixed	2092.7	19.2
E Anglia	Indeterm	.	21.0
NW Thame	mixed	2307.2	33.3
NW Thame	urban	1406.9	35.5
NW Thame	conurbat	2400.2	94.0
NE Thame	rural	.	30.5
NE Thame	mixed	.	13.3
NE Thame	urban	530.7	30.2
NE Thame	conurbat	1158.9	104.5
SE Thame	rural	910.6	34.0
SE Thame	mixed	.	38.3
SE Thame	urban	322.0	51.7
SE Thame	conurbat	801.9	67.4
SW Thame	mixed	4470.2	63.9
SW Thame	urban	468.9	29.8
SW Thame	conurbat	1138.3	60.4
Wessex	rural	2594.7	15.4
Wessex	mixed	1704.2	51.8
Wessex	urban	.	49.5
Wessex	Indeterm	.	42.7
Oxford	rural	.	25.1
Oxford	mixed	2106.2	79.9
Oxford	urban	.	6.3
S Wester	rural	1814.5	59.8
S Wester	mixed	1902.1	53.0
S Wester	urban	1751.0	41.7
S Wester	Indeterm	.	28.2
W Midlan	rural	930.9	40.6
W Midlan	mixed	.	39.6
W Midlan	urban	2258.2	40.4
W Midlan	conurbat	9217.3	134.8
Mersey	mixed	2640.4	30.4
Mersey	urban	.	14.6
Mersey	conurbat	2168.5	72.8
N Wester	mixed	.	12.3
N Wester	urban	1884.5	60.2
N Wester	conurbat	4428.0	124.1

A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 24 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

SER's for Acute Br/Br, standardized for age5 and sex
 England 1991: Aged 15-84

rha	urban	gsa3_14	hs3_4
Northern	rural	118.6	47.6
Northern	mixed	.	46.4
Northern	urban	.	87.5
Northern	conurbat	139.2	72.4
Yorkshir	rural	.	128.9
Yorkshir	mixed	120.7	45.3
Yorkshir	urban	.	24.5
Yorkshir	conurbat	122.8	123.4
Trent	rural	96.1	28.8
Trent	mixed	79.7	37.2
Trent	urban	.	58.9
Trent	conurbat	120.0	76.5
E Anglia	rural	94.8	103.0
E Anglia	mixed	98.9	0.0
E Anglia	Indeterm	.	142.7
NW Thame	mixed	78.7	12.0
NW Thame	urban	76.4	36.6
NW Thame	conurbat	84.5	34.1
NE Thame	rural	.	16.4
NE Thame	mixed	.	22.6
NE Thame	urban	68.6	26.5
NE Thame	conurbat	85.9	73.7
SE Thame	rural	89.2	17.7
SE Thame	mixed	.	57.5
SE Thame	urban	78.0	21.3
SE Thame	conurbat	85.8	32.6
SW Thame	mixed	76.2	23.5
SW Thame	urban	110.5	26.8
SW Thame	conurbat	64.7	21.5
Wessex	rural	121.7	19.5
Wessex	mixed	72.6	25.1
Wessex	urban	.	22.2
Wessex	Indeterm	.	14.1
Oxford	rural	.	11.9
Oxford	mixed	92.0	10.0
Oxford	urban	.	31.7
S Wester	rural	88.2	45.1
S Wester	mixed	99.3	24.5
S Wester	urban	76.4	148.5
S Wester	Indeterm	.	177.2
W Midlan	rural	79.3	101.1
W Midlan	mixed	.	371.0
W Midlan	urban	86.0	188.1
W Midlan	conurbat	110.9	497.0
Mersey	mixed	75.8	29.7
Mersey	urban	.	693.1
Mersey	conurbat	123.5	120.8
N Wester	mixed	.	122.0
N Wester	urban	96.9	76.4
N Wester	conurbat	129.1	229.7

A10 Acute bronchitis or bronchiolitis standard output graphs A10/ SCAT91/ Page 25 of 25
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

- **region and urban-rural comparisons between GPRD, HES and Mortality, England 1991, ages 0-84**

SER's for Acute Br/Br Events, standardized for age5 and sex
 England 1991: Aged 15-84

	rha	hs3_4	gsa3_14
1. Northern	63.01005	126.2117	
2. Yorkshir	89.32227	121.7176	
3. Trent	49.02924	102.2194	
4. E Anglia	92.56969	96.27707	
5. NW Thame	30.10477	80.41766	
6. NE Thame	52.09327	80.43269	
7. SE Thame	31.86082	86.06676	
8. SW Thame	23.35958	76.67739	
9. Wessex	20.7228	102.2578	
10. Oxford	11.67575	91.96626	
11. S Wester	83.13818	88.28268	
12. W Midlan	365.7146	104.0031	
13. Mersey	168.1276	97.31967	
14. N Wester	176.031	119.4773	

SER's for Acute Br/Br Events, standardized for age5 and sex
 England 1991: Aged 15-84 and Aged 0-14

	rha	hs3_4	hs2_4
1. Northern	63.01005	143.2623	
2. Yorkshir	89.32227	91.89874	
3. Trent	49.02924	122.4937	
4. E Anglia	92.56969	85.87456	
5. NW Thame	30.10477	76.84435	
6. NE Thame	52.09327	75.96724	
7. SE Thame	31.86082	88.75353	
8. SW Thame	23.35958	55.81134	
9. Wessex	20.7228	87.98089	
10. Oxford	11.67575	102.5272	
11. S Wester	83.13818	107.7535	
12. W Midlan	365.7146	98.67828	
13. Mersey	168.1276	113.7258	
14. N Wester	176.031	135.2375	