

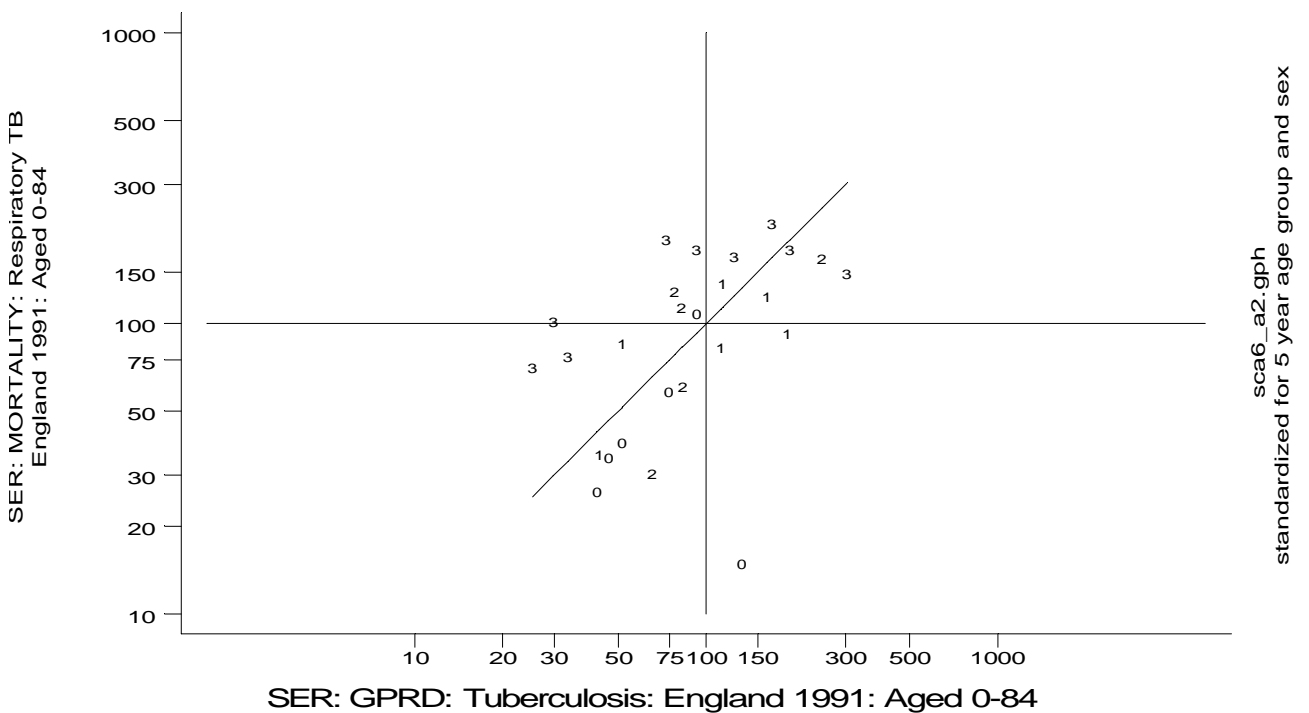
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

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

“HES vs. GPRD”



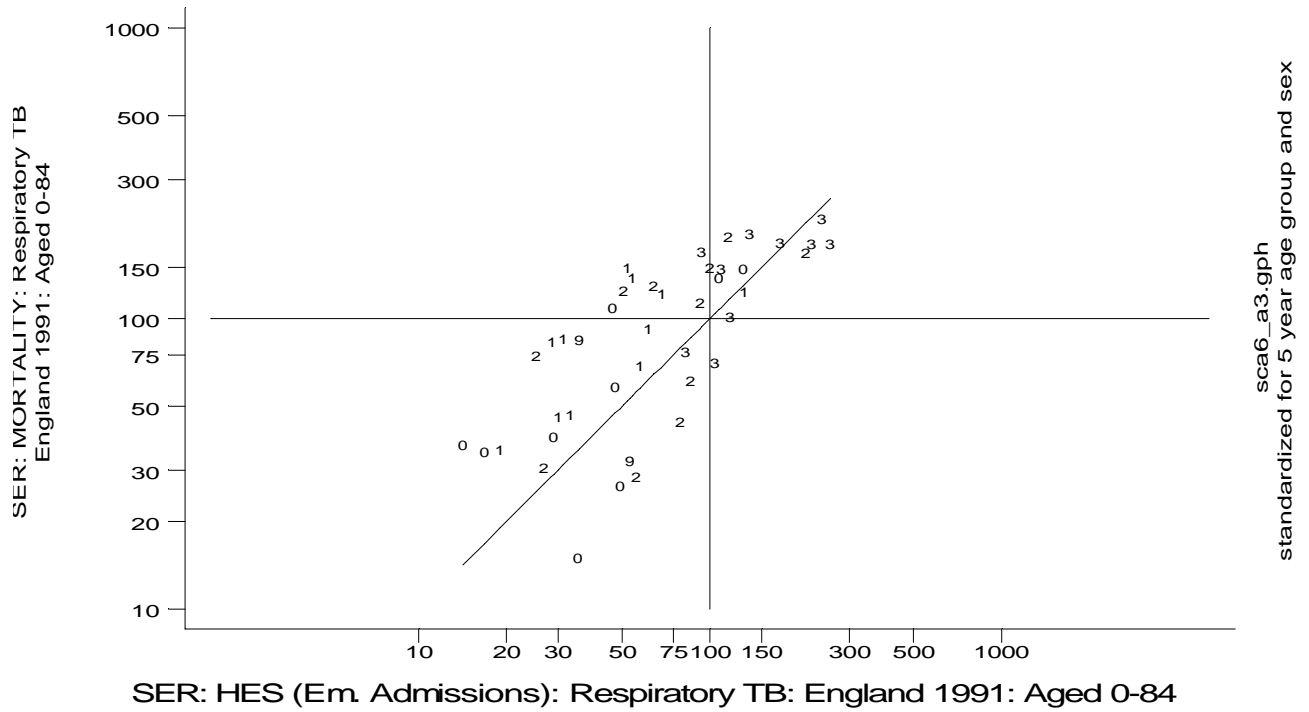
“MORTALITY vs. GPRD”



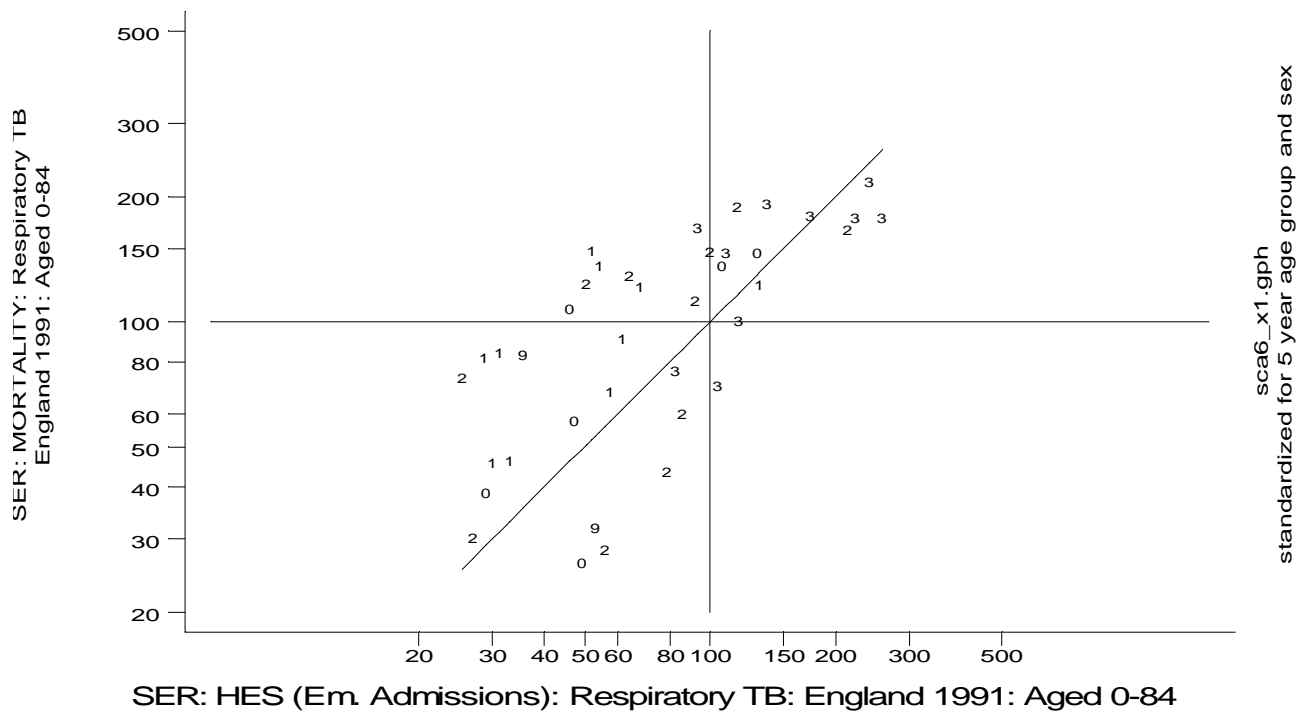
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

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

“MORTALITY vs. HES”



Re-scaling and omitting the 4 most extreme points:



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**

Tuberculosis: Spearman Rank Correlation Coefficients: *“All Ages vs. All Ages”*

	MORTALITY	HES	GPRD
MORTALITY		0.69	0.41
HES	0.69		0.31
GPRD	0.41	0.31	

ALL AGES vs. ALL AGES

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a1: HES (0-84) vs. GPRD (0-84)
Number of obs =      33
Spearman's rho =      0.3134
Test of Ho: hsl_6 and gsal_6 independent
Pr > |t| =      0.0757
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a2: MORTALITY (0-84) vs. GPRD (0-84)
Number of obs =      33
Spearman's rho =      0.4067
Test of Ho: msl_6 and gsal_6 independent
Pr > |t| =      0.0188
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a3: MORTALITY (0-84) vs. HES (0-84)
Number of obs =      50
Spearman's rho =      0.6889
Test of Ho: msl_6 and hsl_6 independent
Pr > |t| =      0.0000
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A11 Tuberculosis standard output graphs

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 Tuberculosis Events,
England 1991: Aged 0-84

rha	urban	goal_6	hol_6	mol_6
Northern	rural	11	9	5
Northern	mixed	.	10	4
Northern	urban	.	10	0
Northern	conurbat	22	30	9
Yorkshir	rural	.	13	4
Yorkshir	mixed	4	10	6
Yorkshir	urban	.	9	1
Yorkshir	conurbat	1	49	9
Trent	rural	2	4	2
Trent	mixed	8	58	12
Trent	urban	.	13	2
Trent	conurbat	2	33	5
E Anglia	rural	5	9	3
E Anglia	mixed	1	2	0
E Anglia	Indeterm	.	9	0
NW Thame	mixed	7	5	3
NW Thame	urban	3	12	5
NW Thame	conurbat	6	111	18
NE Thame	rural	.	18	5
NE Thame	mixed	.	4	1
NE Thame	urban	1	4	1
NE Thame	conurbat	6	143	20
SE Thame	rural	1	7	1
SE Thame	mixed	.	5	2
SE Thame	urban	0	13	7
SE Thame	conurbat	0	61	13
SW Thame	mixed	6	9	6
SW Thame	urban	1	1	2
SW Thame	conurbat	4	29	11
Wessex	rural	5	3	1
Wessex	mixed	2	5	2
Wessex	urban	.	6	4
Wessex	Indeterm	.	6	4
Oxford	rural	.	2	1
Oxford	mixed	11	26	8
Oxford	urban	.	4	1
S Wester	rural	6	9	1
S Wester	mixed	8	10	0
S Wester	urban	0	16	2
S Wester	Indeterm	.	7	1
W Midlan	rural	0	5	0
W Midlan	mixed	.	6	2
W Midlan	urban	5	18	5
W Midlan	conurbat	43	162	32
Mersey	mixed	3	6	0
Mersey	urban	.	9	3
Mersey	conurbat	2	29	6
N Wester	mixed	.	3	2
N Wester	urban	13	60	11
N Wester	conurbat	9	85	26

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 Tuberculosis Events,
England 1991: Aged 0-84

rha	urban	gdal_6	hd1_6	mdl_6
Northern	rural	73693.9	587249	782999
Northern	mixed	.	448062	597416
Northern	urban	.	415061	553415
Northern	conurbat	46625.4	835607	1114143
Yorkshir	rural	.	365315	487087
Yorkshir	mixed	21894.9	554653	739537
Yorkshir	urban	.	497756	663675
Yorkshir	conurbat	21123.7	1299650	1732867
Trent	rural	26873.1	708596	944794
Trent	mixed	31104.1	1354391	1805855
Trent	urban	.	462422	616563
Trent	conurbat	50327.4	962578	1283438
E Anglia	rural	60878.6	924157	1232209
E Anglia	mixed	39800.4	314156	418874
E Anglia	Indeterm	.	297124	396166
NW Thame	mixed	39289.2	541513	722017
NW Thame	urban	24596.9	582760	777014
NW Thame	conurbat	41145.8	1522461	2029948
NE Thame	rural	.	415478	553971
NE Thame	mixed	.	217712	290283
NE Thame	urban	9959.2	456320	608426
NE Thame	conurbat	18955.0	1708008	2277344
SE Thame	rural	14831.8	421430	561907
SE Thame	mixed	.	441838	589118
SE Thame	urban	5564.5	789058	1052077
SE Thame	conurbat	12769.3	1074097	1432129
SW Thame	mixed	73245.9	867716	1156955
SW Thame	urban	7411.1	422015	562687
SW Thame	conurbat	20236.4	940976	1254634
Wessex	rural	41099.5	185312	247082
Wessex	mixed	29406.8	810392	1080522
Wessex	urban	.	714226	952302
Wessex	Indeterm	.	482492	643322
Oxford	rural	.	444618	592824
Oxford	mixed	37103.4	1316674	1755566
Oxford	urban	.	133335	177780
S Wester	rural	27446.6	753629	1004839
S Wester	mixed	30809.9	659477	879303
S Wester	urban	31243.0	614347	819129
S Wester	Indeterm	.	397216	529621
W Midlan	rural	16603.4	617762	823682
W Midlan	mixed	.	613978	818638
W Midlan	urban	38256.0	590794	787725
W Midlan	conurbat	163850.3	2073009	2764012
Mersey	mixed	44506.4	455744	607659
Mersey	urban	.	244859	326479
Mersey	conurbat	38048.6	1084676	1446235
N Wester	mixed	.	176443	235257
N Wester	urban	32636.9	857189	1142919
N Wester	conurbat	79551.5	1929371	2572495

A11 Tuberculosis standard output graphs

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 Tuberculosis Events,
England 1991: Aged 0-84

rha	urban	gral_6	hr1_6	mr1_6
Northern	rural	0.1	15.3	6.4
Northern	mixed	.	22.3	6.7
Northern	urban	.	24.1	0.0
Northern	conurbat	0.5	35.9	8.1
Yorkshir	rural	.	35.6	8.2
Yorkshir	mixed	0.2	18.0	8.1
Yorkshir	urban	.	18.1	1.5
Yorkshir	conurbat	0.0	37.7	5.2
Trent	rural	0.1	5.6	2.1
Trent	mixed	0.3	42.8	6.6
Trent	urban	.	28.1	3.2
Trent	conurbat	0.0	34.3	3.9
E Anglia	rural	0.1	9.7	2.4
E Anglia	mixed	0.0	6.4	0.0
E Anglia	Indeterm	.	30.3	0.0
NW Thame	mixed	0.2	9.2	4.2
NW Thame	urban	0.1	20.6	6.4
NW Thame	conurbat	0.1	72.9	8.9
NE Thame	rural	.	43.3	9.0
NE Thame	mixed	.	18.4	3.4
NE Thame	urban	0.1	8.8	1.6
NE Thame	conurbat	0.3	83.7	8.8
SE Thame	rural	0.1	16.6	1.8
SE Thame	mixed	.	11.3	3.4
SE Thame	urban	0.0	16.5	6.7
SE Thame	conurbat	0.0	56.8	9.1
SW Thame	mixed	0.1	10.4	5.2
SW Thame	urban	0.1	2.4	3.6
SW Thame	conurbat	0.2	30.8	8.8
Wessex	rural	0.1	16.2	4.0
Wessex	mixed	0.1	6.2	1.9
Wessex	urban	.	8.4	4.2
Wessex	Indeterm	.	12.4	6.2
Oxford	rural	.	4.5	1.7
Oxford	mixed	0.3	19.7	4.6
Oxford	urban	.	30.0	5.6
S Wester	rural	0.2	11.9	1.0
S Wester	mixed	0.3	15.2	0.0
S Wester	urban	0.0	26.0	2.4
S Wester	Indeterm	.	17.6	1.9
W Midlan	rural	0.0	8.1	0.0
W Midlan	mixed	.	9.8	2.4
W Midlan	urban	0.1	30.5	6.3
W Midlan	conurbat	0.3	78.1	11.6
Mersey	mixed	0.1	13.2	0.0
Mersey	urban	.	36.8	9.2
Mersey	conurbat	0.1	26.7	4.1
N Wester	mixed	.	17.0	8.5
N Wester	urban	0.4	70.0	9.6
N Wester	conurbat	0.1	44.1	10.1

A11 Tuberculosis standard output graphs

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 Tuberculosis Events,
England 1991: Aged 0-84

rha	urban	geal_6	hel_6	mel_6
Northern	rural	11.9	19.6	4.8
Northern	mixed	.	14.7	3.4
Northern	urban	.	13.2	2.8
Northern	conurbat	7.2	27.5	6.3
Yorkshir	rural	.	12.2	3.0
Yorkshir	mixed	3.5	18.5	4.5
Yorkshir	urban	.	16.1	3.6
Yorkshir	conurbat	3.3	41.9	9.2
Trent	rural	4.3	23.9	6.0
Trent	mixed	5.0	44.2	10.0
Trent	urban	.	15.2	3.4
Trent	conurbat	7.9	31.8	7.3
E Anglia	rural	9.8	31.0	7.9
E Anglia	mixed	6.1	10.1	2.2
E Anglia	Indeterm	.	9.9	2.4
NW Thame	mixed	6.3	17.5	3.7
NW Thame	urban	3.8	18.7	4.0
NW Thame	conurbat	6.5	49.9	10.4
NE Thame	rural	.	13.9	3.5
NE Thame	mixed	.	7.0	1.5
NE Thame	urban	1.5	14.8	3.4
NE Thame	conurbat	3.1	55.3	11.5
SE Thame	rural	2.4	14.3	3.9
SE Thame	mixed	.	15.2	4.4
SE Thame	urban	0.9	25.7	5.8
SE Thame	conurbat	2.1	35.1	7.4
SW Thame	mixed	11.7	28.9	7.3
SW Thame	urban	1.2	14.0	3.4
SW Thame	conurbat	3.2	31.0	6.7
Wessex	rural	6.7	6.4	1.8
Wessex	mixed	4.7	26.3	5.9
Wessex	urban	.	23.6	5.6
Wessex	Indeterm	.	16.9	4.9
Oxford	rural	.	14.1	2.8
Oxford	mixed	5.8	42.2	9.0
Oxford	urban	.	4.0	0.7
S Wester	rural	4.5	25.6	6.9
S Wester	mixed	5.0	22.5	6.1
S Wester	urban	4.9	20.3	4.7
S Wester	Indeterm	.	13.2	3.2
W Midlan	rural	2.6	20.1	4.6
W Midlan	mixed	.	20.0	4.5
W Midlan	urban	6.0	19.5	4.6
W Midlan	conurbat	25.6	67.3	15.0
Mersey	mixed	7.0	14.9	3.4
Mersey	urban	.	7.8	1.6
Mersey	conurbat	6.0	35.2	8.1
N Wester	mixed	.	5.8	1.4
N Wester	urban	5.2	28.1	6.8
N Wester	conurbat	12.3	62.2	13.8

A11 Tuberculosis standard output graphs

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 Tuberculosis Events, standardized for age5 and sex
England 1991: Aged 0-84

rha	urban	gsal_6	hs1_6	ms1_6
Northern	rural	92.7	46.0	104.6
Northern	mixed	.	67.9	118.2
Northern	urban	.	75.7	0.0
Northern	conurbat	303.5	109.1	143.5
Yorkshir	rural	.	107.0	132.7
Yorkshir	mixed	113.6	54.1	132.8
Yorkshir	urban	.	55.9	27.5
Yorkshir	conurbat	29.9	116.9	98.1
Trent	rural	46.0	16.8	33.5
Trent	mixed	161.3	131.1	120.0
Trent	urban	.	85.6	58.6
Trent	conurbat	25.3	103.9	68.2
E Anglia	rural	51.3	29.0	37.8
E Anglia	mixed	16.5	19.7	0.0
E Anglia	Indeterm	.	91.1	0.0
NW Thame	mixed	111.7	28.6	80.1
NW Thame	urban	78.1	64.1	125.3
NW Thame	conurbat	92.5	222.6	173.8
NE Thame	rural	.	129.5	143.1
NE Thame	mixed	.	57.5	66.3
NE Thame	urban	65.1	26.9	29.5
NE Thame	conurbat	193.2	258.5	174.3
SE Thame	rural	42.2	49.1	25.6
SE Thame	mixed	.	33.0	45.3
SE Thame	urban	0.0	50.5	120.2
SE Thame	conurbat	0.0	173.8	175.5
SW Thame	mixed	51.3	31.2	82.3
SW Thame	urban	82.9	7.1	58.6
SW Thame	conurbat	124.8	93.6	164.5
Wessex	rural	74.7	47.2	56.3
Wessex	mixed	42.9	19.0	34.2
Wessex	urban	.	25.4	71.6
Wessex	Indeterm	.	35.5	81.1
Oxford	rural	.	14.2	35.5
Oxford	mixed	189.5	61.6	89.0
Oxford	urban	.	99.8	143.9
S Wester	rural	132.2	35.2	14.5
S Wester	mixed	160.0	44.5	0.0
S Wester	urban	0.0	79.0	42.6
S Wester	Indeterm	.	53.0	31.2
W Midlan	rural	0.0	24.9	0.0
W Midlan	mixed	.	30.0	44.5
W Midlan	urban	82.7	92.1	109.5
W Midlan	conurbat	167.8	240.8	212.6
Mersey	mixed	42.7	40.2	0.0
Mersey	urban	.	115.9	184.2
Mersey	conurbat	33.4	82.4	74.2
N Wester	mixed	.	51.9	144.6
N Wester	urban	250.0	213.3	162.1
N Wester	conurbat	72.9	136.6	188.4