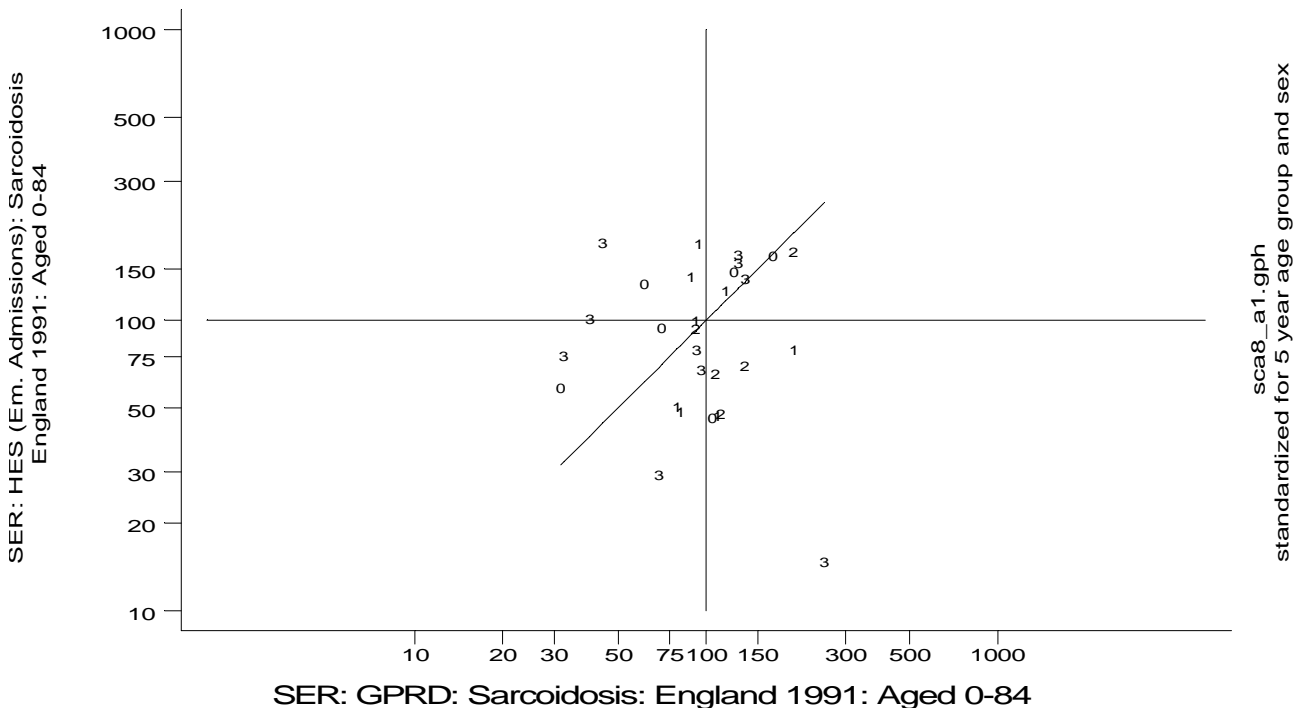


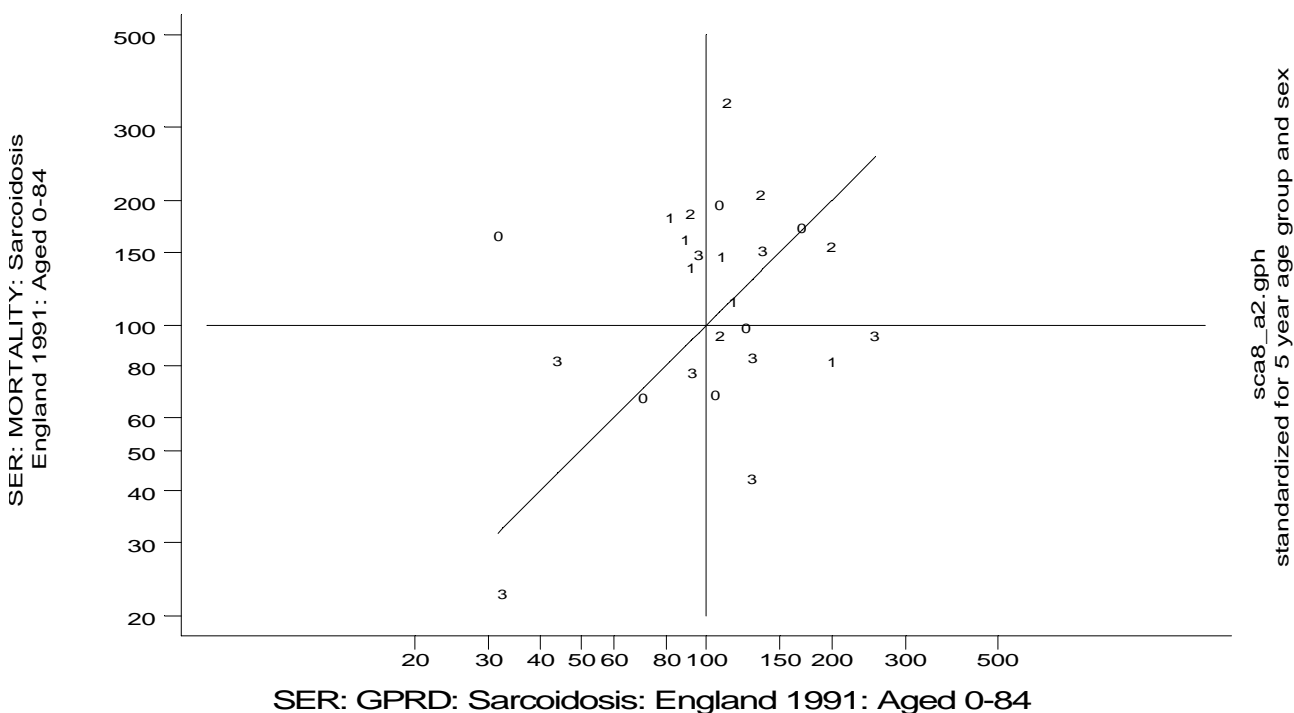
Scatterplots and correlation coefficients (standardised event ratios standardised for age and sex)

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

“HES vs. GPRD”



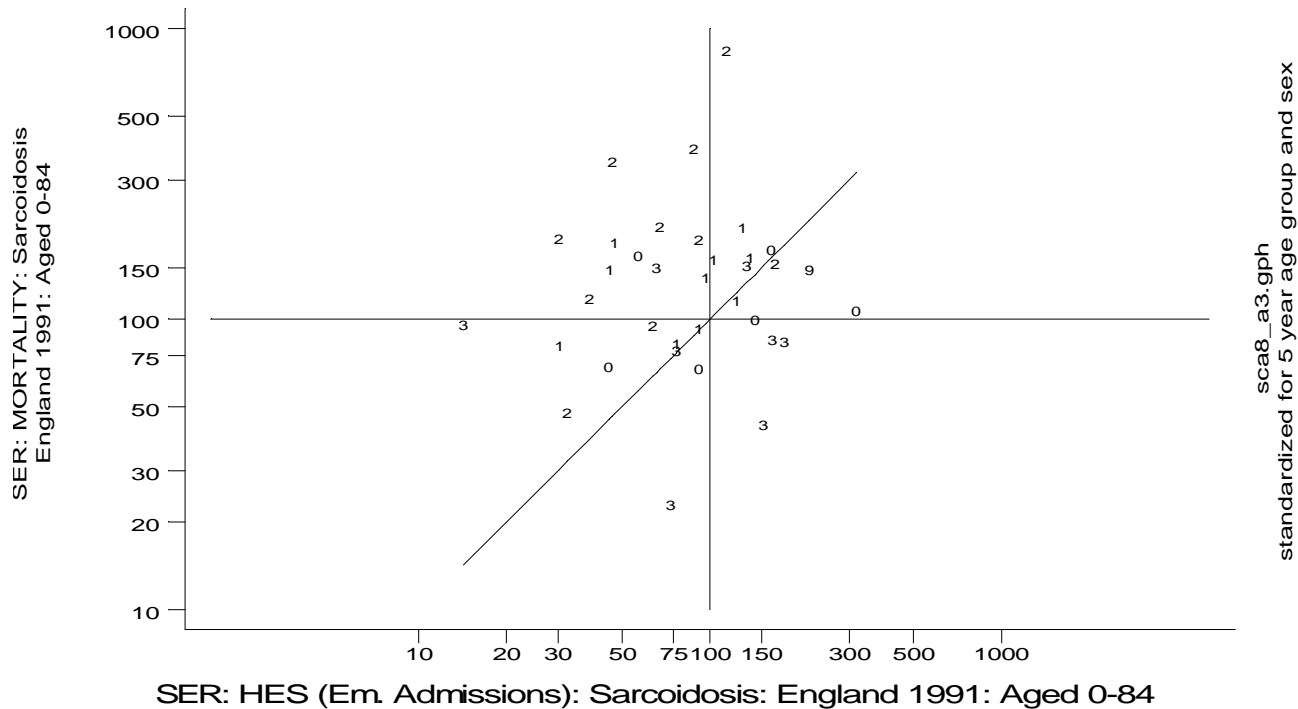
“MORTALITY vs. GPRD”



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”



Sarcoidosis: Spearman Rank Correlation Coefficients: “All Ages vs. All Ages”

	MORTALITY	HES	GPRD
MORTALITY		0.01	0.20
HES	0.01		0.13
GPRD	0.20	0.13	

ALL AGES vs. ALL AGES

a1: HES (0-84) vs. GPRD (0-84)  
 Number of obs = 33  
 Spearman's rho = 0.1324  
 Test of Ho: hsl\_8 and gsal\_8 independent  
 Pr > |t| = 0.4627

a2: MORTALITY (0-84) vs. GPRD (0-84)  
 Number of obs = 33  
 Spearman's rho = 0.2029  
 Test of Ho: msl\_8 and gsal\_8 independent  
 Pr > |t| = 0.2573

a3: MORTALITY (0-84) vs. HES (0-84)  
 Number of obs = 50  
 Spearman's rho = 0.0126  
 Test of Ho: msl\_8 and hsl\_8 independent  
 Pr > |t| = 0.9307

## 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 Sarcoidosis Events,  
England 1991: Aged 0-84

rha	urban	goal_8	hol_8	mol_8
Northern	rural	6	4	1
Northern	mixed	.	3	1
Northern	urban	.	0	0
Northern	conurbat	5	4	3
Yorkshir	rural	.	3	0
Yorkshir	mixed	2	2	0
Yorkshir	urban	.	4	0
Yorkshir	conurbat	1	9	0
Trent	rural	1	3	3
Trent	mixed	0	10	5
Trent	urban	.	1	2
Trent	conurbat	4	2	0
E Anglia	rural	12	11	4
E Anglia	mixed	5	1	1
E Anglia	Indeterm	.	3	0
NW Thame	mixed	9	3	1
NW Thame	urban	6	7	2
NW Thame	conurbat	7	15	5
NE Thame	rural	.	5	0
NE Thame	mixed	.	2	1
NE Thame	urban	1	3	2
NE Thame	conurbat	1	22	3
SE Thame	rural	1	4	0
SE Thame	mixed	.	1	1
SE Thame	urban	0	5	7
SE Thame	conurbat	2	12	1
SW Thame	mixed	7	3	4
SW Thame	urban	1	2	1
SW Thame	conurbat	6	1	2
Wessex	rural	5	0	1
Wessex	mixed	3	8	3
Wessex	urban	.	2	2
Wessex	Indeterm	.	8	2
Oxford	rural	.	10	1
Oxford	mixed	4	9	4
Oxford	urban	.	1	2
S Wester	rural	4	8	2
S Wester	mixed	4	6	2
S Wester	urban	5	3	3
S Wester	Indeterm	.	3	0
W Midlan	rural	2	2	1
W Midlan	mixed	.	2	0
W Midlan	urban	5	2	5
W Midlan	conurbat	24	24	4
Mersey	mixed	5	6	0
Mersey	urban	.	1	0
Mersey	conurbat	4	6	2
N Wester	mixed	.	0	0
N Wester	urban	0	2	1
N Wester	conurbat	3	10	1

## 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 Sarcoidosis Events,  
England 1991: Aged 0-84

rha	urban	gdal_8	hd1_8	mdl_8
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

## 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 Sarcoidosis Events,  
England 1991: Aged 0-84

rha	urban	gral_8	hr1_8	mr1_8
Northern	rural	0.1	6.8	1.3
Northern	mixed	.	6.7	1.7
Northern	urban	.	0.0	0.0
Northern	conurbat	0.1	4.8	2.7
Yorkshir	rural	.	8.2	0.0
Yorkshir	mixed	0.1	3.6	0.0
Yorkshir	urban	.	8.0	0.0
Yorkshir	conurbat	0.0	6.9	0.0
Trent	rural	0.0	4.2	3.2
Trent	mixed	0.0	7.4	2.8
Trent	urban	.	2.2	3.2
Trent	conurbat	0.1	2.1	0.0
E Anglia	rural	0.2	11.9	3.2
E Anglia	mixed	0.1	3.2	2.4
E Anglia	Indeterm	.	10.1	0.0
NW Thame	mixed	0.2	5.5	1.4
NW Thame	urban	0.2	12.0	2.6
NW Thame	conurbat	0.2	9.9	2.5
NE Thame	rural	.	12.0	0.0
NE Thame	mixed	.	9.2	3.4
NE Thame	urban	0.1	6.6	3.3
NE Thame	conurbat	0.1	12.9	1.3
SE Thame	rural	0.1	9.5	0.0
SE Thame	mixed	.	2.3	1.7
SE Thame	urban	0.0	6.3	6.7
SE Thame	conurbat	0.2	11.2	0.7
SW Thame	mixed	0.1	3.5	3.5
SW Thame	urban	0.1	4.7	1.8
SW Thame	conurbat	0.3	1.1	1.6
Wessex	rural	0.1	0.0	4.0
Wessex	mixed	0.1	9.9	2.8
Wessex	urban	.	2.8	2.1
Wessex	Indeterm	.	16.6	3.1
Oxford	rural	.	22.5	1.7
Oxford	mixed	0.1	6.8	2.3
Oxford	urban	.	7.5	11.2
S Wester	rural	0.1	10.6	2.0
S Wester	mixed	0.1	9.1	2.3
S Wester	urban	0.2	4.9	3.7
S Wester	Indeterm	.	7.6	0.0
W Midlan	rural	0.1	3.2	1.2
W Midlan	mixed	.	3.3	0.0
W Midlan	urban	0.1	3.4	6.3
W Midlan	conurbat	0.1	11.6	1.4
Mersey	mixed	0.1	13.2	0.0
Mersey	urban	.	4.1	0.0
Mersey	conurbat	0.1	5.5	1.4
N Wester	mixed	.	0.0	0.0
N Wester	urban	0.0	2.3	0.9
N Wester	conurbat	0.0	5.2	0.4

## 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 Sarcoidosis Events,  
England 1991: Aged 0-84

rha	urban	geal_8	hel_8	mel_8
Northern	rural	8.5	4.4	1.5
Northern	mixed	.	3.3	1.1
Northern	urban	.	2.9	1.0
Northern	conurbat	5.2	6.1	2.1
Yorkshir	rural	.	2.7	1.0
Yorkshir	mixed	2.5	4.1	1.4
Yorkshir	urban	.	3.5	1.2
Yorkshir	conurbat	2.5	9.2	3.0
Trent	rural	3.2	5.3	1.9
Trent	mixed	3.7	9.7	3.2
Trent	urban	.	3.3	1.1
Trent	conurbat	5.8	7.0	2.3
E Anglia	rural	7.1	6.8	2.4
E Anglia	mixed	4.6	2.2	0.7
E Anglia	Indeterm	.	2.2	0.7
NW Thame	mixed	4.5	3.9	1.3
NW Thame	urban	3.0	4.2	1.3
NW Thame	conurbat	5.1	11.2	3.4
NE Thame	rural	.	3.1	1.1
NE Thame	mixed	.	1.5	0.5
NE Thame	urban	1.1	3.3	1.1
NE Thame	conurbat	2.3	12.3	3.7
SE Thame	rural	1.6	3.1	1.1
SE Thame	mixed	.	3.3	1.3
SE Thame	urban	0.6	5.7	1.9
SE Thame	conurbat	1.6	7.9	2.4
SW Thame	mixed	8.6	6.4	2.2
SW Thame	urban	0.9	3.1	1.1
SW Thame	conurbat	2.4	7.0	2.2
Wessex	rural	4.7	1.4	0.5
Wessex	mixed	3.4	5.8	1.9
Wessex	urban	.	5.2	1.7
Wessex	Indeterm	.	3.7	1.4
Oxford	rural	.	3.1	1.0
Oxford	mixed	4.3	9.3	3.0
Oxford	urban	.	0.9	0.2
S Wester	rural	3.2	5.6	2.1
S Wester	mixed	3.4	4.9	1.8
S Wester	urban	3.7	4.5	1.5
S Wester	Indeterm	.	2.9	1.0
W Midlan	rural	1.9	4.5	1.5
W Midlan	mixed	.	4.5	1.5
W Midlan	urban	4.5	4.3	1.5
W Midlan	conurbat	18.6	14.7	4.9
Mersey	mixed	5.3	3.4	1.1
Mersey	urban	.	1.7	0.6
Mersey	conurbat	4.3	7.8	2.7
N Wester	mixed	.	1.3	0.4
N Wester	urban	3.7	6.2	2.2
N Wester	conurbat	9.2	13.7	4.5

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

rha	urban	gsal_8	hs1_8	ms1_8
Northern	rural	70.6	91.2	65.5
Northern	mixed	.	91.2	89.6
Northern	urban	.	0.0	0.0
Northern	conurbat	96.0	65.3	145.5
Yorkshir	rural	.	110.4	0.0
Yorkshir	mixed	79.4	48.8	0.0
Yorkshir	urban	.	113.7	0.0
Yorkshir	conurbat	39.7	97.9	0.0
Trent	rural	31.6	56.6	161.0
Trent	mixed	0.0	103.0	155.2
Trent	urban	.	30.2	183.0
Trent	conurbat	68.9	28.6	0.0
E Anglia	rural	169.7	162.6	168.1
E Anglia	mixed	109.2	45.3	143.5
E Anglia	Indeterm	.	138.7	0.0
NW Thame	mixed	199.9	76.5	79.9
NW Thame	urban	199.4	167.3	150.9
NW Thame	conurbat	136.4	134.3	148.1
NE Thame	rural	.	163.3	0.0
NE Thame	mixed	.	129.1	199.0
NE Thame	urban	91.6	91.1	182.1
NE Thame	conurbat	44.0	179.5	80.6
SE Thame	rural	61.4	129.6	0.0
SE Thame	mixed	.	30.3	78.4
SE Thame	urban	0.0	87.6	373.1
SE Thame	conurbat	128.7	152.8	41.9
SW Thame	mixed	81.6	47.0	178.0
SW Thame	urban	107.6	63.5	92.3
SW Thame	conurbat	253.8	14.3	92.6
Wessex	rural	107.4	0.0	191.4
Wessex	mixed	89.0	137.3	157.5
Wessex	urban	.	38.5	114.6
Wessex	Indeterm	.	218.6	143.4
Oxford	rural	.	318.6	103.4
Oxford	mixed	92.0	96.5	134.6
Oxford	urban	.	113.9	813.9
S Wester	rural	124.7	142.3	96.7
S Wester	mixed	116.3	122.9	111.8
S Wester	urban	135.2	67.3	201.7
S Wester	Indeterm	.	103.0	0.0
W Midlan	rural	105.3	44.9	66.6
W Midlan	mixed	.	44.7	0.0
W Midlan	urban	112.1	46.1	336.2
W Midlan	conurbat	128.9	163.0	82.1
Mersey	mixed	94.4	179.0	0.0
Mersey	urban	.	57.6	0.0
Mersey	conurbat	92.9	76.6	75.3
N Wester	mixed	.	0.0	0.0
N Wester	urban	0.0	32.3	46.3
N Wester	conurbat	32.5	73.1	22.1