



**A8 Hayfever 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 Hayfever Events,  
England 1991: Aged 0-84

rha	urban	goc1_2	hol_5
Northern	rural	1887	1
Northern	mixed	.	0
Northern	urban	.	1
Northern	conurbat	1270	1
Yorkshir	rural	.	0
Yorkshir	mixed	582	2
Yorkshir	urban	.	0
Yorkshir	conurbat	589	4
Trent	rural	842	1
Trent	mixed	962	2
Trent	urban	.	0
Trent	conurbat	1657	4
E Anglia	rural	1746	4
E Anglia	mixed	1431	0
E Anglia	Indeterm	.	2
NW Thame	mixed	1324	0
NW Thame	urban	930	2
NW Thame	conurbat	1053	2
NE Thame	rural	.	0
NE Thame	mixed	.	0
NE Thame	urban	289	2
NE Thame	conurbat	399	3
SE Thame	rural	375	2
SE Thame	mixed	.	0
SE Thame	urban	131	3
SE Thame	conurbat	539	2
SW Thame	mixed	2133	0
SW Thame	urban	269	0
SW Thame	conurbat	607	1
Wessex	rural	1116	1
Wessex	mixed	858	0
Wessex	urban	.	2
Wessex	Indeterm	.	1
Oxford	rural	.	1
Oxford	mixed	1220	3
Oxford	urban	.	0
S Wester	rural	584	1
S Wester	mixed	1017	0
S Wester	urban	1083	2
S Wester	Indeterm	.	0
W Midlan	rural	510	1
W Midlan	mixed	.	0
W Midlan	urban	1488	1
W Midlan	conurbat	4831	5
Mersey	mixed	1376	1
Mersey	urban	.	1
Mersey	conurbat	1184	4
N Wester	mixed	.	1
N Wester	urban	1053	1
N Wester	conurbat	2706	6

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

Denominator for Hayfever Events,  
England 1991: Aged 0-84

rha	urban	gdcl_2	hdl_5
Northern	rural	73693.9	782999
Northern	mixed	.	597416
Northern	urban	.	553415
Northern	conurbat	46625.4	1114143
Yorkshir	rural	.	487087
Yorkshir	mixed	21894.9	739537
Yorkshir	urban	.	663675
Yorkshir	conurbat	21123.7	1732867
Trent	rural	26873.1	944794
Trent	mixed	31104.1	1805855
Trent	urban	.	616563
Trent	conurbat	50327.4	1283438
E Anglia	rural	60878.6	1232209
E Anglia	mixed	39800.4	418874
E Anglia	Indeterm	.	396166
NW Thame	mixed	39289.2	722017
NW Thame	urban	24596.9	777014
NW Thame	conurbat	41145.8	2029948
NE Thame	rural	.	553971
NE Thame	mixed	.	290283
NE Thame	urban	9959.2	608426
NE Thame	conurbat	18955.0	2277344
SE Thame	rural	14831.8	561907
SE Thame	mixed	.	589118
SE Thame	urban	5564.5	1052077
SE Thame	conurbat	12769.3	1432129
SW Thame	mixed	73245.9	1156955
SW Thame	urban	7411.1	562687
SW Thame	conurbat	20236.4	1254634
Wessex	rural	41099.5	247082
Wessex	mixed	29406.8	1080522
Wessex	urban	.	952302
Wessex	Indeterm	.	643322
Oxford	rural	.	592824
Oxford	mixed	37103.4	1755566
Oxford	urban	.	177780
S Wester	rural	27446.6	1004839
S Wester	mixed	30809.9	879303
S Wester	urban	31243.0	819129
S Wester	Indeterm	.	529621
W Midlan	rural	16603.4	823682
W Midlan	mixed	.	818638
W Midlan	urban	38256.0	787725
W Midlan	conurbat	163850.3	2764012
Mersey	mixed	44506.4	607659
Mersey	urban	.	326479
Mersey	conurbat	38048.6	1446235
N Wester	mixed	.	235257
N Wester	urban	32636.9	1142919
N Wester	conurbat	79551.5	2572495

**A8 Hayfever 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 Hayfever Events,  
England 1991: Aged 0-84

rha	urban	grcl_2	hrl_5
Northern	rural	25.6	1.3
Northern	mixed	.	0.0
Northern	urban	.	1.8
Northern	conurbat	27.2	0.9
Yorkshir	rural	.	0.0
Yorkshir	mixed	26.6	2.7
Yorkshir	urban	.	0.0
Yorkshir	conurbat	27.9	2.3
Trent	rural	31.3	1.1
Trent	mixed	30.9	1.1
Trent	urban	.	0.0
Trent	conurbat	32.9	3.1
E Anglia	rural	28.7	3.2
E Anglia	mixed	36.0	0.0
E Anglia	Indeterm	.	5.0
NW Thame	mixed	33.7	0.0
NW Thame	urban	37.8	2.6
NW Thame	conurbat	25.6	1.0
NE Thame	rural	.	0.0
NE Thame	mixed	.	0.0
NE Thame	urban	29.0	3.3
NE Thame	conurbat	21.0	1.3
SE Thame	rural	25.3	3.6
SE Thame	mixed	.	0.0
SE Thame	urban	23.5	2.9
SE Thame	conurbat	42.2	1.4
SW Thame	mixed	29.1	0.0
SW Thame	urban	36.3	0.0
SW Thame	conurbat	30.0	0.8
Wessex	rural	27.2	4.0
Wessex	mixed	29.2	0.0
Wessex	urban	.	2.1
Wessex	Indeterm	.	1.6
Oxford	rural	.	1.7
Oxford	mixed	32.9	1.7
Oxford	urban	.	0.0
S Wester	rural	21.3	1.0
S Wester	mixed	33.0	0.0
S Wester	urban	34.7	2.4
S Wester	Indeterm	.	0.0
W Midlan	rural	30.7	1.2
W Midlan	mixed	.	0.0
W Midlan	urban	38.9	1.3
W Midlan	conurbat	29.5	1.8
Mersey	mixed	30.9	1.6
Mersey	urban	.	3.1
Mersey	conurbat	31.1	2.8
N Wester	mixed	.	4.3
N Wester	urban	32.3	0.9
N Wester	conurbat	34.0	2.3

**A8 Hayfever 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 Hayfever Events,  
England 1991: Aged 0-84

rha	urban	gecl_2	hel_5
Northern	rural	2206.1	1.1
Northern	mixed	.	0.9
Northern	urban	.	0.9
Northern	conurbat	1463.5	1.7
Yorkshir	rural	.	0.7
Yorkshir	mixed	658.0	1.1
Yorkshir	urban	.	1.0
Yorkshir	conurbat	634.1	2.7
Trent	rural	796.1	1.3
Trent	mixed	930.8	2.7
Trent	urban	.	0.9
Trent	conurbat	1544.2	1.9
E Anglia	rural	1829.9	1.8
E Anglia	mixed	1262.9	0.6
E Anglia	Indeterm	.	0.6
NW Thame	mixed	1206.9	1.1
NW Thame	urban	742.7	1.2
NW Thame	conurbat	1262.4	3.0
NE Thame	rural	.	0.8
NE Thame	mixed	.	0.4
NE Thame	urban	309.5	0.9
NE Thame	conurbat	571.8	3.6
SE Thame	rural	450.2	0.8
SE Thame	mixed	.	0.8
SE Thame	urban	169.2	1.6
SE Thame	conurbat	379.6	2.2
SW Thame	mixed	2185.5	1.7
SW Thame	urban	218.0	0.8
SW Thame	conurbat	613.9	1.8
Wessex	rural	1206.1	0.3
Wessex	mixed	889.7	1.6
Wessex	urban	.	1.4
Wessex	Indeterm	.	0.9
Oxford	rural	.	0.9
Oxford	mixed	1155.0	2.7
Oxford	urban	.	0.3
S Wester	rural	791.1	1.4
S Wester	mixed	916.7	1.2
S Wester	urban	969.0	1.2
S Wester	Indeterm	.	0.8
W Midlan	rural	511.5	1.2
W Midlan	mixed	.	1.2
W Midlan	urban	1153.0	1.1
W Midlan	conurbat	5055.2	4.3
Mersey	mixed	1347.4	0.9
Mersey	urban	.	0.5
Mersey	conurbat	1167.7	2.2
N Wester	mixed	.	0.3
N Wester	urban	986.5	1.7
N Wester	conurbat	2456.5	4.0

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

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

rha	urban	gscl_2	hsl_5
Northern	rural	85.5	89.4
Northern	mixed	.	0.0
Northern	urban	.	113.7
Northern	conurbat	86.8	60.2
Yorkshir	rural	.	0.0
Yorkshir	mixed	88.5	188.9
Yorkshir	urban	.	0.0
Yorkshir	conurbat	92.9	148.7
Trent	rural	105.8	74.8
Trent	mixed	103.3	73.5
Trent	urban	.	0.0
Trent	conurbat	107.3	209.9
E Anglia	rural	95.4	224.9
E Anglia	mixed	113.3	0.0
E Anglia	Indeterm	.	338.4
NW Thame	mixed	109.7	0.0
NW Thame	urban	125.2	165.8
NW Thame	conurbat	83.4	66.3
NE Thame	rural	.	0.0
NE Thame	mixed	.	0.0
NE Thame	urban	93.4	217.6
NE Thame	conurbat	69.8	83.8
SE Thame	rural	83.3	249.2
SE Thame	mixed	.	0.0
SE Thame	urban	77.4	190.1
SE Thame	conurbat	142.0	90.3
SW Thame	mixed	97.6	0.0
SW Thame	urban	123.4	0.0
SW Thame	conurbat	98.9	54.2
Wessex	rural	92.5	293.6
Wessex	mixed	96.4	0.0
Wessex	urban	.	141.7
Wessex	Indeterm	.	115.8
Oxford	rural	.	110.6
Oxford	mixed	105.6	111.6
Oxford	urban	.	0.0
S Wester	rural	73.8	70.9
S Wester	mixed	110.9	0.0
S Wester	urban	111.8	165.6
S Wester	Indeterm	.	0.0
W Midlan	rural	99.7	81.2
W Midlan	mixed	.	0.0
W Midlan	urban	129.0	87.6
W Midlan	conurbat	95.6	115.9
Mersey	mixed	102.1	112.1
Mersey	urban	.	195.9
Mersey	conurbat	101.4	180.0
N Wester	mixed	.	288.1
N Wester	urban	106.7	58.0
N Wester	conurbat	110.2	149.7