

**PM_{2.5} AND DAILY HOSPITAL ADMISSIONS
IN THE
WEST MIDLANDS CONURBATION, UK

REPORT**

**COMMISSIONED BY THE DEPARTMENT OF HEALTH ON
BEHALF OF THE EXPERT PANEL ON AIR QUALITY
STANDARDS (EPAQS) – AUGUST 1999**

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ANNEX

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- .1 PM₁₀
- .2 PM_{2.5}
- .3 PM_{2.5-10}
- .4 PM₁₀*
- .5 Black Smoke
- .6 SO₄
- .7 Primary Fraction
- .8 Secondary Fraction

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Data descriptions and correlations

Table 1 presents summary statistics for the outcome variables and Table 2 for the pollutant and meteorological variables in the study. The distribution of daily counts for each of the 7 outcomes and their age subgroups is given. The pollutants are described for the available days of data for both measurements at individual locations and the calculated study average. PM_{10} , $PM_{2.5}$ and black smoke were measured. The coarse fraction was estimated by subtracting $PM_{2.5}$ from PM_{10} (the few negative values resultant were set to missing). The primary and secondary fractions and the sulphate were estimated data. The gases were each measured. The temperature and humidity data were obtained from Birmingham University though data from Birmingham Airport was used to fill in the few gaps that were present.

Tables 3 and 4 show the Pearson correlation coefficients between sites measuring the same pollutants for particulates and gases respectively. The averaging method for the data is indicated in the footnote. Tables 5 and 6 show the Pearson correlations between pollutant summaries for particles and gases respectively. Table 7 displays the correlations between particulate measures and gases while table 8 shows the correlations between each of the pollutant summaries and both temperature and humidity. It should be recognised that the correlations between $PM_{2.5}$, $PM_{2.5-10}$ and each of the other variables are based on series of a maximum length of 700 days.

Table 1. Descriptive statistics for outcome variables

	season	mean	std.dev	min.	10 th	med.	90 th	max.	
All Cardiovascular	All-Year	70.8	14.6	33	50	72	89	112	
	All Ages	Cool	73.2	14.7	37	53	74	91	112
		Warm	67.8	14.0	33	48	69	85	103
		All-Year	50.4	10.7	24	36	51	64	87
	Cardiac Disease	Cool	51.8	10.7	27	37	53	66	87
		Warm	48.6	10.6	24	35	48	63	72
		All-Year	33.2	7.9	12	23	33	44	59
	65+	Cool	34.2	7.8	15	24	34	44	59
		Warm	32.0	7.9	12	21	32	43	54
All-Year		9.9	3.4	0	6	10	14	22	
Ischaemic Heart Disease	Cool	10.4	3.5	0	6	10	15	22	
	Warm	9.3	3.2	2	6	9	14	21	
	All-Year	13.8	4.1	3	9	13	19	29	
Ages 0 – 64	Cool	14.3	4.2	3	9	14	20	29	
	Warm	13.2	4.0	3	8	13	19	26	
	All-Year	9.7	3.6	1	5	9	14	24	
Stroke Ages 65+	Cool	10.4	3.6	1	6	10	15	20	
	Warm	8.8	3.3	2	5	8	13	24	
	All-Year	66.2	22.5	18	42	63	99	152	
All Respiratory	Cool	75.9	23.6	36	49	70	109	152	
	Warm	54.1	13.3	18	37	54	71	87	
	All Ages	All-Year	26.9	12.7	3	13	24	44	81
		Cool	32.3	13.2	8	18	29	53	81
		Warm	20.3	8.3	3	10	20	31	47
	0 – 14	All-Year	16.1	5.3	1	10	16	23	38
		Cool	17.4	5.4	3	11	17	25	38
		Warm	14.5	4.7	1	9	14	21	29
	15 – 64	All-Year	23.1	9.2	6	13	22	35	63
Cool		26.1	10.2	6	16	24	41	63	
Warm		19.3	5.8	6	12	19	27	35	
65+	All-Year	7.7	4.3	0	3	7	13	34	
	Cool	8.1	3.6	0	4	8	13	20	
	Warm	7.2	5.1	0	2	6	14	34	
Asthma	All-Year	5.0	2.6	0	2	5	9	14	
	Cool	5.5	2.7	0	3	5	9	14	
	Warm	4.4	2.3	0	2	4	8	12	
15 – 64	All-Year	8.1	4.0	0	4	7	14	29	
	Cool	8.8	4.6	1	4	8	15	29	
	Warm	7.2	3.0	0	3	7	11	17	
COPD Ages 65+									

Table 2. Descriptive statistics for environmental variables.

	N	mean	std.	min.	10 th	50 th	90 th	max.
Pollutants								
<i>PM₁₀ (ng/m³), Daily 24 hr.</i>								
Birmingham Central	798	24.1	13.6	5	12	20	40	113
Birmingham East	795	22.8	13.4	4	11	19	38	112
Hodge Hill	687	23.3	12.8	2.4	10.7	20	38.8	107
Study Average	823	23.3	12.9	4	11.4	20	38.3	102.3
Study Average (700 day series)	700	23.6	12.9	4	11.8	20.3	38.4	102.3
<i>Black Smoke (ng/m³), Daily 24 hr.</i>								
Sedgley 5	817	18.0	9.6	1	7	17	29	75
Walsall 18	781	11.0	9.2	1	4	9	21	74
Wednesbury 2	612	8.8	9.8	1	2	6	19	107
Study Average	823	13.2	9.0	1.8	5.1	10.9	23.6	71.9
<i>PM_{2.5} (ng/m³), Daily 24 hr.</i>								
Hodge Hill	675	14.5	9.7	2.1	6	11.7	25.8	82.8
<i>PM_{2.5-10} (ng/m³), Daily 24 hr</i>								
Hodge Hill	665	9	4.6	1	4.1	8.0	15.2	35.4
<i>Primary Fraction (ng/m³), Daily 24 hr.</i>								
	804	7.0	6.5	0.6	2.1	5.3	13.7	63.5
<i>Secondary Fraction (ng/m³), Daily 24 hr.</i>								
	814	8.9	7.4	1.2	3.2	6.5	18.5	54.4
<i>SO₄ (ng/m³), Daily 24 hr.</i>								
Stoke Ferry+ High Muffles	814	3.7	3.1	0.5	1.3	2.7	7.7	22.6
<i>NO₂ (ppb), Daily 1 hr</i>								
Birmingham Central	815	39.1	16.9	8	22	37	56	177
Birmingham East	789	36.4	16.7	9	21	34	52	189
Hodge Hill	746	38.3	16.9	7	23	36	53	257
Walsall Alumwell	684	34.4	15.0	8.3	20	32.3	49.8	156.5
Study Average	823	37.2	15.1	10.7	22.9	34.9	51.7	176.1
<i>O₃ (ppb), Daily 8 hr.</i>								
Birmingham Central	802	22.7	13.0	0.9	6	22.35	36.6	85.8
Birmingham East	803	25.2	14.7	1	7	25.1	39.3	94.1
Study Average	823	24.0	13.8	0.4	6.7	24	37.5	89.9
<i>SO₂ (ppb) Daily 24 hr.</i>								
Birmingham Central	805	7.4	6.5	1	2	5	14	72
Birmingham East	786	5.1	4.8	0	1	4	10	59
Sedgley 5	817	8.9	3.9	2	4	9	14	45
Walsall 18	762	6.3	5.9	2	2	4	13	74
Hodge Hill	656	8.5	6.3	0.6	2.7	6.8	16.4	65
Study Average	823	7.2	4.7	1.9	3.3	5.8	12.3	59.8
<i>CO (ppm) Daily 8 hr.</i>								
Birmingham Central	778	0.9	0.6	0.2	0.4	0.7	1.4	9.7
Birmingham East	796	0.7	0.9	0.1	0.2	0.4	1.3	10.2
Study Average	821	0.8	0.7	0.2	0.3	0.6	1.3	10
Meteorological								
<i>Temperature (°C)</i>								
	823	9.3	5.2	-3.4	2.4	9.3	16.1	22.6
<i>Relative Humidity (%)</i>								
	823	78.7	10.0	51	65.5	79.5	91.5	99

Table 3 Inter-site correlations for individual pollutants: particulates

Particulate	Site	BC	BE	WE	WA
**PM ₁₀	BE	0.95			
	HH	0.89	0.99		
**BS	WA			0.78	
	SE			0.56	0.72

Table 4 Inter-site correlations for individual pollutants: gases

Gas	Site	BC	BE	WA	HH
*NO ₂	BE	0.86			
	WA	0.73	0.84		
	HH	0.76	0.83	0.70	
†O ₃	BE	0.93			
†CO	BE	0.83			
**SO ₂	BE	0.90			
	WA	0.91	0.61		
	HH	0.82	0.91	0.55	
	SE	0.71	0.67	0.48	0.61

Table 5 Correlations between individual pollutants and fractions: particulates

Particulate	‡SO ₄	**BS	**PM ₁₀	**PM _{2.5}	‡PFR	‡SFR
**BS	0.30					
**PM ₁₀	0.64	0.64				
**PM _{2.5}	0.64	0.67	0.92			
‡PFR	0.30	0.85	0.60	0.59		
‡SFR	1.00	0.30	0.64	0.64	0.29	
‡‡PM _{2.5-10}	0.10	0.18	0.56	0.34	0.18	0.10

Key to sites: BC = Birmingham Central, BE = Birmingham East, WA = Walsall, HH = Hodge Hill,
WE = Wednesbury, SE = Sedgley

Key to pollutant measures: ** 24hr average
* 1hr maximum
† 8hr maximum moving average
‡ Estimated
‡‡ Calculated

Table 6 Correlations between individual pollutant summaries: gases

Gas	*NO ₂	†O ₃	†CO
†O ₃	0.08		
†CO	0.73	-0.29	
**SO ₂	0.52	-0.22	0.49

Table 7 Correlations between particulates and gases

Particulate	*NO ₂	†O ₃	†CO	**SO ₂
‡SO ₄	0.30	0.00	0.17	0.19
**BS	0.65	-0.35	0.77	0.50
**PM ₁₀	0.62	-0.06	0.55	0.55
**PM _{2.5}	0.61	-0.11	0.54	0.52
‡PFR	0.60	-0.31	0.68	0.46
‡SFR	0.30	0.00	0.17	0.19
‡‡PM _{2.5-10}	0.25	0.19	0.10	0.31

Table 8 Correlations between pollutants and meteorology

The correlation between temperature and humidity is -0.35

Pollutants	**Temperature	**Humidity
‡SO ₄	-0.08	0.10
**BS	-0.24	0.18
**PM ₁₀	-0.06	-0.06
**PM _{2.5}	-0.15	0.08
‡PFR	-0.21	0.12
‡SFR	-0.08	0.10
‡‡PM _{2.5-10}	0.21	-0.32
*NO ₂	-0.06	-0.09
†O ₃	0.44	-0.59
†CO	-0.19	-0.19
**SO ₂	-0.13	-0.13

Key to sites: BC = Birmingham Central, BE = Birmingham East, WA = Walsall, HH = Hodge Hill,
WE = Wednesbury, SE = Sedgley

Key to pollutant measures: ** 24hr average
* 1hr maximum
† 8hr maximum moving average
‡ Estimated
‡‡ Calculated

Key to tables of full results

Tables 9-60 present the results of all of the analyses carried out. For each outcome and age group (13 in all), all of the pollutants were explored as single and cumulative lag measures both all-year and seasonally (cool and warm seasons).

Tables 9-34 present the all-year results. The odd numbered tables are for single-day lags and the even numbered tables present the cumulative lag results. The column headings in these tables have the following meaning:

Poll&Lag: The pollutant and lag fitted to the core model

Cent1090: The 10th to the 90th intercentile range of the pollutant

Est.: The estimated coefficient of the pollutant

Se(Est.): The estimated standard error of the pollutant coefficient

%RR1090: The percentage change in relative risk of outcome (90th centile relative to 10th)

LCL1090: The lower limit of the 95% confidence interval around %RR1090

UCL1090: The upper limit of the 95% confidence interval around %RR1090

%RR10: The percentage change in relative risk for a 10 unit increase in the pollutant (100 ppb for CO)

LCL10: The lower limit of the 95% confidence interval around %RR10

UCL10: The upper limit of the 95% confidence interval around %RR10

Pvalue: Test of slope of pollutant coefficient

The formulae used to calculate %RR1090 and their confidence limits are:

$$\%RR1090 = 100 * (\exp(\text{Cent1090} * \text{Est.}) - 1)$$

$$95\% \text{ Confidence Interval} = 100 * (\exp(\text{Cent1090} * (\text{Est.} \pm 1.96 * \text{Se}(\text{Est.}))) - 1)$$

In the case of %RR10, Cent1090 is replaced by 10 except where CO is the pollutant and Cent1090 is replaced by 0.1

Additionally, tables 35-60 present the seasonal results. Again, the odd numbered tables give the single lag results and the even numbered tables give the cumulative lags. The above quantities appear twice in separate blocks. The left-hand block has *.w* suffixes, referring to cool (winter) season results. The right-hand block has *.s* suffixes, referring to the warm season (summer) results (April to September inclusive). The right-most column *Pvalue.sw* is the P-value obtained from testing the coefficient of the interaction between the season dummy variable and the pollutant.

The single-lag results are presented for the current day, the previous day, two days and three days previously, denoted by the suffixes *0*, *1*, *2* and *3* on the pollutant name. Cumulative lags are the mean of the current and the previous day, the mean of the current and two preceding days and the mean of the current and three preceding days. For particle measures the mean of the current and previous four and five days are reported as well. These are denoted by the suffixes *01*, *02*, *03*, *04* and *05*.

The pollutants are abbreviated as follows:

no2mx = NO₂ 1 hr maximum (ppb)

o3m8 = O₃ 8 hr maximum moving average (ppb)

so2av = SO₂ 24 hr average (ppb)

so4av = SO₄ 24 hr average (μg/m³)

com8 = CO 8hr maximum moving average (ppm)

pm10av = PM₁₀ 24 hr average (μg/m³)

smkav = Black Smoke 24hr average (μg/m³)

pfrav = Primary particulate fraction 24hr average (μg/m³)

sfrav = Secondary particulate fraction 24hr average (μg/m³)

pmcoarse = PM₁₀ – PM_{2.5} 24hr average (μg/m³)

pm25av = PM_{2.5} 24hr average (μg/m³)

*pm10av** = PM₁₀ 24hr average (μg/m³) (700 day series)

NB that the PM_{2.5} and thus the PM_{2.5-10} coefficient estimates were obtained from time series starting on 1/11/94 and finishing on 30/9/96. Thus, separate core models were constructed. The original coarse fraction (modelled) had 8% of days with measures below zero and 7% of days missing. This measure was disregarded for the purposes of this study. PM₁₀ was also fitted in these 700-day models to allow comparison with the results for PM₁₀ in the 823-day models and to enable direct comparison with the measures of PM_{2.5} and PM_{2.5-10}. These results are denoted by *pm10av**

More emphasis should be placed on findings significant at the 1% level and beyond, given the multitude of significance tests reported in these tables. Furthermore, consistency of results in terms of size and direction of effect across lags gives more credibility to findings.

Table 9: All Cardiovascular All Ages Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	-0.000020	0.000306	-0.06	-1.77	1.68	-0.02	-0.62	0.58	0.9480
no2mxl1	28.8	0.000214	0.000307	0.62	-1.11	2.38	0.21	-0.39	0.82	0.4860
no2mxl2	28.8	-0.000045	0.000314	-0.13	-1.89	1.66	-0.05	-0.66	0.57	0.8860
no2mxl3	28.8	0.000116	0.000307	0.33	-1.39	2.08	0.12	-0.48	0.72	0.7060
o3m8l0	30.8	-0.000178	0.000436	-0.55	-3.13	2.10	-0.18	-1.03	0.68	0.6820
o3m8l1	30.8	0.000283	0.000465	0.87	-1.92	3.75	0.28	-0.63	1.20	0.5440
o3m8l2	30.8	0.000328	0.000456	1.02	-1.73	3.83	0.33	-0.56	1.23	0.4720
o3m8l3	30.8	-0.000291	0.000416	-0.89	-3.35	1.63	-0.29	-1.10	0.53	0.4850
so2avl0	9.0	-0.000450	0.000976	-0.40	-2.10	1.33	-0.45	-2.33	1.47	0.6450
so2avl1	9.0	-0.000211	0.000996	-0.19	-1.93	1.58	-0.21	-2.14	1.76	0.8320
so2avl2	9.0	-0.000411	0.000995	-0.37	-2.10	1.40	-0.41	-2.33	1.55	0.6800
so2avl3	9.0	0.000649	0.000984	0.59	-1.15	2.35	0.65	-1.27	2.61	0.5100
so4avl0	6.4	0.000376	0.001503	0.24	-1.63	2.15	0.38	-2.54	3.38	0.8030
so4avl1	6.4	0.000541	0.001503	0.35	-1.53	2.26	0.54	-2.38	3.55	0.7190
so4avl2	6.4	-0.000668	0.001496	-0.43	-2.28	1.46	-0.67	-3.54	2.29	0.6550
so4avl3	6.4	-0.002061	0.001490	-1.31	-3.14	0.55	-2.04	-4.86	0.86	0.1670
com8l0	1.0	-0.001126	0.006463	-0.11	-1.37	1.16	-0.01	-0.14	0.12	0.8620
com8l1	1.0	0.006692	0.006287	0.67	-0.56	1.92	0.07	-0.06	0.19	0.2870
com8l2	1.0	-0.003980	0.006760	-0.40	-1.71	0.93	-0.04	-0.17	0.09	0.5560
com8l3	1.0	-0.002801	0.006709	-0.28	-1.58	1.04	-0.03	-0.16	0.10	0.6760
pm10avl0	26.9	-0.000387	0.000359	-1.04	-2.89	0.85	-0.39	-1.08	0.32	0.2810
pm10avl1	26.9	-0.000021	0.000355	-0.06	-1.91	1.83	-0.02	-0.71	0.68	0.9520
pm10avl2	26.9	-0.000621	0.000355	-1.66	-3.48	0.20	-0.62	-1.31	0.07	0.0806
pm10avl3	26.9	-0.000483	0.000354	-1.29	-3.12	0.57	-0.48	-1.17	0.21	0.1720
smkavl0	18.5	0.000225	0.000543	0.42	-1.54	2.41	0.23	-0.84	1.30	0.6790
smkavl1	18.5	0.000711	0.000538	1.32	-0.63	3.32	0.71	-0.34	1.78	0.1870
smkavl2	18.5	-0.000516	0.000547	-0.95	-2.90	1.04	-0.51	-1.58	0.56	0.3460
smkavl3	18.5	-0.000369	0.000550	-0.68	-2.64	1.32	-0.37	-1.44	0.71	0.5020
pfravl0	11.6	0.000830	0.000722	0.97	-0.68	2.64	0.83	-0.58	2.27	0.2500
pfravl1	11.6	0.000972	0.000712	1.13	-0.49	2.78	0.98	-0.42	2.40	0.1730
pfravl2	11.6	-0.000389	0.000735	-0.45	-2.10	1.23	-0.39	-1.81	1.06	0.5970
pfravl3	11.6	-0.000387	0.000746	-0.45	-2.12	1.26	-0.39	-1.83	1.08	0.6040
sfravl0	15.3	0.000169	0.000623	0.26	-1.60	2.15	0.17	-1.05	1.40	0.7860
sfravl1	15.3	0.000207	0.000624	0.32	-1.54	2.21	0.21	-1.01	1.44	0.7400
sfravl2	15.3	-0.000300	0.000621	-0.46	-2.30	1.41	-0.30	-1.51	0.92	0.6290
sfravl3	15.3	-0.000855	0.000618	-1.30	-3.11	0.55	-0.85	-2.05	0.36	0.1670
pm25avl0	19.8	-0.000292	0.000550	-0.58	-2.68	1.57	-0.29	-1.36	0.79	0.5960
pm25avl1	19.8	-0.000087	0.000546	-0.17	-2.26	1.96	-0.09	-1.15	0.99	0.8730
pm25avl2	19.8	-0.000742	0.000536	-1.46	-3.49	0.61	-0.74	-1.78	0.31	0.1670
pm25avl3	19.8	-0.000527	0.000539	-1.04	-3.09	1.06	-0.53	-1.57	0.53	0.3290
pmcoarse	11.1	-0.001419	0.001404	-1.56	-4.52	1.49	-2.68	-4.90	-0.41	0.0214
pmcoarse1	11.1	0.000870	0.001402	0.97	-2.06	4.09	0.64	-1.68	3.00	0.5930
pmcoarse2	11.1	-0.004795	0.001419	-5.18	-8.06	-2.21	-3.59	-5.83	-1.29	0.0024
pmcoarse3	11.1	-0.002668	0.001399	-2.91	-5.82	0.08	-3.15	-5.35	-0.89	0.0067
pm10avl0*	26.6	-0.000563	0.000404	-1.49	-3.54	0.61	-0.56	-1.35	0.23	0.1640
pm10avl1*	26.6	0.000015	0.000402	0.04	-2.04	2.16	0.01	-0.77	0.81	0.9710
pm10avl2*	26.6	-0.000788	0.000400	-2.07	-4.09	-0.01	-0.78	-1.56	0	0.0492
pm10avl3*	26.6	-0.000586	0.000400	-1.55	-3.58	0.53	-0.58	-1.36	0.2	0.1440

Table 10 All Cardiovascular All Ages Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000122	0.000344	0.31	-1.40	2.05	0.12	-0.55	0.80	0.7240
no2mxl02	23.5	0.000078	0.000383	0.18	-1.57	1.97	0.08	-0.67	0.83	0.8380
no2mxl03	21.8	0.000123	0.000417	0.27	-1.50	2.07	0.12	-0.69	0.94	0.7680
o3m8l01	28.6	0.000044	0.000502	0.13	-2.65	2.98	0.04	-0.93	1.03	0.9300
o3m8l02	27.9	0.000199	0.000555	0.56	-2.45	3.66	0.20	-0.88	1.30	0.7190
o3m8l03	26.8	0.000021	0.000584	0.06	-2.97	3.18	0.02	-1.12	1.17	0.9710
so2avl01	8.5	-0.000437	0.001126	-0.37	-2.22	1.52	-0.44	-2.61	1.79	0.6980
so2avl02	7.8	-0.000584	0.001256	-0.45	-2.35	1.48	-0.58	-3.00	1.90	0.6420
so2avl03	7.2	-0.000193	0.001366	-0.14	-2.05	1.80	-0.19	-2.83	2.51	0.8870
so4avl01	5.8	0.000527	0.001598	0.31	-1.50	2.14	0.53	-2.57	3.73	0.7420
so4avl02	5.2	0.000099	0.001671	0.05	-1.64	1.77	0.10	-3.13	3.43	0.9530
so4avl03	4.8	-0.000547	0.001733	-0.26	-1.88	1.38	-0.55	-3.87	2.89	0.7520
so4avl04	4.7	-0.001771	0.001793	-0.83	-2.45	0.82	-1.76	-5.15	1.76	0.3240
so4avl05	4.7	-0.003191	0.001837	-1.49	-3.14	0.19	-3.14	-6.57	0.41	0.0827
com8l01	1.0	0.003817	0.007277	0.36	-0.99	1.73	0.04	-0.10	0.18	0.6000
com8l02	0.9	0.001376	0.008317	0.12	-1.33	1.60	0.01	-0.15	0.18	0.8690
com8l03	0.9	0.000030	0.009274	0.00	-1.57	1.60	0.00	-0.18	0.18	0.9970
pm10avl01	24.4	-0.000256	0.000398	-0.62	-2.50	1.29	-0.26	-1.03	0.53	0.5210
pm10avl02	24.2	-0.000513	0.000431	-1.23	-3.23	0.81	-0.51	-1.35	0.33	0.2340
pm10avl03	23.0	-0.000652	0.000460	-1.49	-3.51	0.57	-0.65	-1.54	0.25	0.1560
pm10avl04	21.9	-0.000718	0.000488	-1.56	-3.60	0.52	-0.72	-1.66	0.24	0.1410
pm10avl05	21.2	-0.000883	0.000515	-1.85	-3.93	0.27	-0.88	-1.87	0.13	0.0867
smkavl01	16.7	0.000622	0.000620	1.04	-0.98	3.12	0.62	-0.59	1.85	0.3150
smkavl02	14.8	0.000231	0.000686	0.34	-1.63	2.36	0.23	-1.11	1.59	0.7360
smkavl03	14.2	0.000032	0.000750	0.05	-2.02	2.16	0.03	-1.43	1.51	0.9660
smkavl04	13.8	0.000081	0.000808	0.11	-2.05	2.32	0.08	-1.49	1.68	0.9200
smkavl05	13.1	-0.000240	0.000865	-0.31	-2.50	1.93	-0.24	-1.92	1.47	0.7810
pfravl01	10.6	0.001144	0.000828	1.22	-0.51	2.98	1.15	-0.48	2.80	0.1680
pfravl02	9.9	0.000632	0.000914	0.63	-1.14	2.43	0.63	-1.15	2.45	0.4890
pfravl03	9.8	0.000307	0.001000	0.30	-1.61	2.25	0.31	-1.64	2.29	0.7590
pfravl04	9.6	0.000284	0.001072	0.27	-1.73	2.32	0.28	-1.80	2.41	0.7910
pfravl05	9.4	-0.000042	0.001139	-0.04	-2.12	2.08	-0.04	-2.25	2.21	0.9710
sfravl01	13.9	0.000211	0.000663	0.29	-1.50	2.12	0.21	-1.08	1.52	0.7500
sfravl02	12.5	0.000044	0.000693	0.05	-1.63	1.77	0.04	-1.31	1.41	0.9500
sfravl03	11.5	-0.000222	0.000719	-0.25	-1.86	1.37	-0.22	-1.62	1.19	0.7580
sfravl04	11.2	-0.000738	0.000762	-0.82	-2.47	0.85	-0.74	-2.21	0.76	0.3330
sfravl05	10.5	-0.001219	0.000795	-1.27	-2.87	0.36	-1.21	-2.74	0.34	0.1250
pm25avl01	17.7	-0.000295	0.000602	-0.52	-2.58	1.58	-0.30	-1.47	0.89	0.6240
pm25avl02	17.4	-0.000701	0.000642	-1.21	-3.35	0.97	-0.70	-1.94	0.56	0.2750
pm25avl03	16.7	-0.000787	0.000686	-1.31	-3.50	0.93	-0.78	-2.11	0.56	0.2520
pm25avl04	16.0	-0.000765	0.000730	-1.22	-3.45	1.07	-0.76	-2.17	0.67	0.2950
pm25avl05	15.7	-0.000921	0.000775	-1.44	-3.76	0.94	-0.92	-2.41	0.60	0.2350
pmcoarsem01	9.6	-0.000773	0.001610	-0.73	-3.70	2.31	-1.72	-4.30	0.94	0.2040
pmcoarsem02	9.2	-0.003050	0.001797	-2.76	-5.86	0.43	-3.26	-6.09	-0.34	0.0292
pmcoarsem03	8.8	-0.003979	0.001947	-3.44	-6.62	-0.14	-4.53	-7.55	-1.41	0.0048
pmcoarsem04	8.5	-0.004866	0.002101	-4.05	-7.35	-0.63	-5.11	-8.34	-1.76	0.0032
pmcoarsem05	8.1	-0.005526	0.002242	-4.37	-7.72	-0.91	-5.36	-8.80	-1.78	0.0037
pm10avl01*	24.7	-0.000340	0.000449	-0.84	-2.97	1.34	-0.34	-1.21	0.54	0.4490
pm10avl02*	24.7	-0.000656	0.000485	-1.61	-3.89	0.73	-0.65	-1.59	0.29	0.1760
pm10avl03*	23.1	-0.000812	0.000517	-1.86	-4.13	0.47	-0.81	-1.81	0.2	0.1170
pm10avl04*	21.9	-0.000870	0.000551	-1.89	-4.18	0.46	-0.87	-1.93	0.21	0.1150
pm10avl05*	21.0	-0.001057	0.000583	-2.19	-4.51	0.18	-1.05	-2.18	0.09	0.0706

Table 11 Cardiac Disease All Ages Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.000479	0.000333	1.39	-0.50	3.31	0.48	-0.17	1.14	0.1510
no2mxl1	28.8	0.000232	0.000340	0.67	-1.24	2.62	0.23	-0.43	0.90	0.4940
no2mxl2	28.8	-0.000036	0.000347	-0.10	-2.04	1.87	-0.04	-0.71	0.65	0.9170
no2mxl3	28.8	0.000388	0.000336	1.12	-0.77	3.06	0.39	-0.27	1.05	0.2480
o3m8l0	30.8	0.000055	0.000499	0.17	-2.80	3.23	0.05	-0.92	1.04	0.9130
o3m8l1	30.8	0.000910	0.000516	2.84	-0.31	6.10	0.91	-0.10	1.94	0.0782
o3m8l2	30.8	0.000116	0.000521	0.36	-2.75	3.56	0.12	-0.90	1.14	0.8240
o3m8l3	30.8	-0.000298	0.000466	-0.91	-3.66	1.92	-0.30	-1.20	0.62	0.5230
so2avl0	9.0	0.001063	0.001057	0.96	-0.90	2.86	1.07	-1.00	3.19	0.3150
so2avl1	9.0	0.000176	0.001092	0.16	-1.75	2.11	0.18	-1.94	2.34	0.8720
so2avl2	9.0	-0.000574	0.001096	-0.52	-2.42	1.43	-0.57	-2.69	1.59	0.6010
so2avl3	9.0	0.001665	0.001069	1.51	-0.39	3.44	1.68	-0.43	3.83	0.1200
so4avl0	6.4	0.001404	0.001676	0.90	-1.20	3.05	1.41	-1.86	4.80	0.4030
so4avl1	6.4	0.001134	0.001680	0.73	-1.37	2.87	1.14	-2.13	4.53	0.5000
so4avl2	6.4	0.000254	0.001676	0.16	-1.92	2.29	0.25	-2.99	3.60	0.8800
so4avl3	6.4	-0.001531	0.001658	-0.98	-3.01	1.11	-1.52	-4.67	1.73	0.3560
com8l0	1.0	0.006421	0.007120	0.64	-0.75	2.06	0.06	-0.08	0.20	0.3670
com8l1	1.0	0.008491	0.006941	0.85	-0.51	2.23	0.08	-0.05	0.22	0.2220
com8l2	1.0	-0.007524	0.007465	-0.75	-2.19	0.71	-0.08	-0.22	0.07	0.3140
com8l3	1.0	0.003930	0.007263	0.39	-1.03	1.83	0.04	-0.10	0.18	0.5890
pm10avl0	26.9	0.000086	0.000393	0.23	-1.82	2.33	0.09	-0.68	0.86	0.8260
pm10avl1	26.9	0.000075	0.000393	0.20	-1.85	2.30	0.08	-0.69	0.85	0.8480
pm10avl2	26.9	-0.000857	0.000397	-2.28	-4.30	-0.21	-0.85	-1.62	-0.08	0.0313
pm10avl3	26.9	-0.000287	0.000394	-0.77	-2.81	1.31	-0.29	-1.05	0.49	0.4660
smkavl0	18.5	0.000566	0.000595	1.05	-1.10	3.25	0.57	-0.60	1.75	0.3420
smkavl1	18.5	0.000938	0.000598	1.75	-0.43	3.98	0.94	-0.23	2.13	0.1170
smkavl2	18.5	-0.000604	0.000607	-1.11	-3.26	1.09	-0.60	-1.78	0.59	0.3200
smkavl3	18.5	0.000202	0.000601	0.37	-1.79	2.58	0.20	-0.97	1.39	0.7370
pfravl0	11.6	0.001428	0.000791	1.67	-0.14	3.51	1.44	-0.12	3.02	0.0712
pfravl1	11.6	0.000802	0.000797	0.94	-0.88	2.78	0.81	-0.76	2.39	0.3140
pfravl2	11.6	-0.000489	0.000810	-0.57	-2.38	1.28	-0.49	-2.06	1.11	0.5470
pfravl3	11.6	0.000012	0.000812	0.01	-1.82	1.88	0.01	-1.57	1.62	0.9880
sfravl0	15.3	0.000597	0.000695	0.92	-1.16	3.04	0.60	-0.76	1.98	0.3910
sfravl1	15.3	0.000443	0.000697	0.68	-1.40	2.81	0.44	-0.92	1.83	0.5250
sfravl2	15.3	0.000093	0.000696	0.14	-1.93	2.25	0.09	-1.26	1.47	0.8940
sfravl3	15.3	-0.000642	0.000688	-0.98	-3.00	1.09	-0.64	-1.97	0.71	0.3510
pm25avl0	19.8	-0.000155	0.000654	-0.31	-2.80	2.25	-0.15	-1.43	1.13	0.8120
pm25avl1	19.8	-0.000098	0.000647	-0.19	-2.67	2.34	-0.10	-1.36	1.18	0.8800
pm25avl2	19.8	-0.000939	0.000637	-1.84	-4.24	0.62	-0.93	-2.16	0.31	0.1410
pm25avl3	19.8	-0.000699	0.000641	-1.38	-3.80	1.11	-0.70	-1.94	0.56	0.2760
pmcoarse	11.1	-0.001419	0.001404	-1.56	-4.52	1.49	-1.41	-4.08	1.34	0.3120
pmcoarse1	11.1	0.000870	0.001402	0.97	-2.06	4.09	0.87	-1.86	3.68	0.5350
pmcoarse2	11.1	-0.004795	0.001419	-5.18	-8.06	-2.21	-4.68	-7.30	-1.99	0.0008
pmcoarse3	11.1	-0.002668	0.001399	-2.91	-5.82	0.08	-2.63	-5.27	0.07	0.0568
pm10avl0*	26.6	-0.000384	0.000480	-1.02	-3.46	1.49	-0.38	-1.32	0.56	0.4240
pm10avl1*	26.6	0.000001	0.000477	0	-2.46	2.52	0	-0.93	0.94	0.9990
pm10avl2*	26.6	-0.000959	0.000475	-2.52	-4.9	-0.07	-0.95	-1.87	-0.03	0.0438
pm10avl3*	26.6	-0.000599	0.000474	-1.58	-3.98	0.88	-0.6	-1.52	0.33	0.2070

Table 12 Cardiac Disease All Ages Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000428	0.000376	1.10	-0.79	3.01	0.43	-0.31	1.17	0.2560
no2mxl02	23.5	0.000345	0.000420	0.81	-1.12	2.78	0.35	-0.48	1.18	0.4120
no2mxl03	21.8	0.000491	0.000458	1.08	-0.88	3.07	0.49	-0.41	1.40	0.2840
o3m8l01	28.6	0.000570	0.000564	1.64	-1.52	4.91	0.57	-0.53	1.69	0.3130
o3m8l02	27.9	0.000513	0.000617	1.44	-1.92	4.92	0.51	-0.69	1.74	0.4050
o3m8l03	26.8	0.000290	0.000650	0.78	-2.61	4.28	0.29	-0.98	1.58	0.6560
so2avl01	8.5	0.000834	0.001232	0.71	-1.33	2.80	0.84	-1.57	3.30	0.4980
so2avl02	7.8	0.000435	0.001376	0.34	-1.75	2.47	0.44	-2.24	3.18	0.7520
so2avl03	7.2	0.001213	0.001496	0.88	-1.23	3.03	1.22	-1.71	4.23	0.4180
so4avl01	5.8	0.001462	0.001786	0.85	-1.18	2.92	1.47	-2.02	5.09	0.4130
so4avl02	5.2	0.001186	0.001870	0.62	-1.28	2.55	1.19	-2.45	4.97	0.5260
so4avl03	4.8	0.000518	0.001940	0.25	-1.56	2.10	0.52	-3.23	4.42	0.7890
so4avl04	4.7	-0.000865	0.002006	-0.41	-2.23	1.45	-0.86	-4.68	3.11	0.6660
so4avl05	4.7	-0.002494	0.002051	-1.17	-3.01	0.72	-2.46	-6.31	1.54	0.2240
com8l01	1.0	0.009668	0.007966	0.92	-0.56	2.43	0.10	-0.06	0.25	0.2250
com8l02	0.9	0.004331	0.009125	0.39	-1.21	2.02	0.04	-0.14	0.22	0.6350
com8l03	0.9	0.006250	0.010127	0.55	-1.18	2.30	0.06	-0.14	0.26	0.5370
pm10avl01	24.4	0.000101	0.000439	0.25	-1.84	2.38	0.10	-0.76	0.97	0.8180
pm10avl02	24.2	-0.000343	0.000479	-0.83	-3.05	1.45	-0.34	-1.27	0.60	0.4750
pm10avl03	23.0	-0.000421	0.000513	-0.96	-3.23	1.35	-0.42	-1.42	0.59	0.4120
pm10avl04	21.9	-0.000487	0.000544	-1.06	-3.34	1.28	-0.49	-1.54	0.58	0.3710
pm10avl05	21.2	-0.000653	0.000573	-1.37	-3.70	1.00	-0.65	-1.76	0.47	0.2550
smkavl01	16.7	0.000978	0.000681	1.65	-0.59	3.94	0.98	-0.36	2.34	0.1510
smkavl02	14.8	0.000478	0.000757	0.71	-1.48	2.95	0.48	-1.00	1.98	0.5270
smkavl03	14.2	0.000528	0.000825	0.75	-1.53	3.09	0.53	-1.08	2.17	0.5220
smkavl04	13.8	0.000801	0.000885	1.11	-1.28	3.56	0.80	-0.93	2.57	0.3660
smkavl05	13.1	0.000492	0.000946	0.65	-1.77	3.12	0.49	-1.35	2.37	0.6030
pfravl01	10.6	0.001404	0.000914	1.50	-0.41	3.44	1.41	-0.39	3.25	0.1250
pfravl02	9.9	0.000804	0.001008	0.80	-1.15	2.79	0.81	-1.17	2.82	0.4260
pfravl03	9.8	0.000661	0.001098	0.65	-1.45	2.79	0.66	-1.48	2.85	0.5470
pfravl04	9.6	0.000857	0.001171	0.83	-1.37	3.07	0.86	-1.43	3.20	0.4640
pfravl05	9.4	0.000639	0.001244	0.60	-1.68	2.94	0.64	-1.78	3.13	0.6080
sfravl01	13.9	0.000596	0.000741	0.83	-1.18	2.89	0.60	-0.85	2.07	0.4220
sfravl02	12.5	0.000497	0.000775	0.62	-1.27	2.55	0.50	-1.02	2.04	0.5220
sfravl03	11.5	0.000218	0.000805	0.25	-1.55	2.09	0.22	-1.35	1.81	0.7860
sfravl04	11.2	-0.000372	0.000853	-0.42	-2.26	1.47	-0.37	-2.02	1.31	0.6630
sfravl05	10.5	-0.000840	0.000888	-0.88	-2.67	0.95	-0.84	-2.55	0.90	0.3450
pm25avl01	17.7	-0.000197	0.000716	-0.35	-2.79	2.16	-0.20	-1.59	1.21	0.7840
pm25avl02	17.4	-0.000794	0.000764	-1.37	-3.91	1.23	-0.79	-2.27	0.71	0.2990
pm25avl03	16.7	-0.000915	0.000819	-1.52	-4.12	1.16	-0.91	-2.49	0.69	0.2650
pm25avl04	16.0	-0.000848	0.000873	-1.35	-4.01	1.39	-0.84	-2.53	0.87	0.3310
pm25avl05	15.7	-0.000950	0.000923	-1.48	-4.24	1.36	-0.95	-2.72	0.86	0.3040
pmcoarsem01	9.6	-0.000773	0.001610	-0.73	-3.70	2.31	-0.77	-3.85	2.41	0.6310
pmcoarsem02	9.2	-0.003050	0.001797	-2.76	-5.86	0.43	-3.00	-6.36	0.47	0.0900
pmcoarsem03	8.8	-0.003979	0.001947	-3.44	-6.62	-0.14	-3.90	-7.50	-0.16	0.0414
pmcoarsem04	8.5	-0.004866	0.002101	-4.05	-7.35	-0.63	-4.75	-8.59	-0.75	0.0208
pmcoarsem05	8.1	-0.005526	0.002242	-4.37	-7.72	-0.91	-5.38	-9.44	-1.13	0.0140
pm10avl01*	24.7	-0.00024	0.000533	-0.58	-3.12	2.01	-0.24	-1.27	0.81	0.657
pm10avl02*	24.7	-0.00066	0.000576	-1.61	-4.32	1.17	-0.66	-1.77	0.47	0.254
pm10avl03*	23.1	-0.00082	0.000616	-1.88	-4.58	0.9	-0.82	-2.01	0.39	0.183
pm10avl04*	21.9	-0.00091	0.000656	-1.98	-4.7	0.82	-0.91	-2.17	0.37	0.165
pm10avl05*	21	-0.00107	0.000693	-2.22	-4.97	0.61	-1.06	-2.4	0.29	0.124

Table 13 Cardiac Disease Ages 65+ Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.000616	0.000439	1.79	-0.70	4.34	0.62	-0.24	1.49	0.1610
no2mxl1	28.8	0.000465	0.000450	1.35	-1.19	3.95	0.47	-0.42	1.36	0.3020
no2mxl2	28.8	-0.000035	0.000458	-0.10	-2.65	2.52	-0.03	-0.93	0.87	0.9400
no2mxl3	28.8	0.000241	0.000444	0.70	-1.80	3.25	0.24	-0.63	1.12	0.5870
o3m8l0	30.8	-0.000862	0.000623	-2.62	-6.21	1.11	-0.86	-2.06	0.36	0.1670
o3m8l1	30.8	-0.000242	0.000659	-0.74	-4.61	3.28	-0.24	-1.52	1.05	0.7140
o3m8l2	30.8	-0.000883	0.000658	-2.68	-6.48	1.26	-0.88	-2.15	0.41	0.1800
o3m8l3	30.8	-0.000789	0.000604	-2.40	-5.89	1.22	-0.79	-1.95	0.40	0.1920
so2avl0	9.0	0.002623	0.001413	2.39	-0.13	4.97	2.66	-0.15	5.54	0.0637
so2avl1	9.0	0.002298	0.001432	2.09	-0.46	4.70	2.32	-0.51	5.24	0.1090
so2avl2	9.0	-0.000390	0.001447	-0.35	-2.86	2.23	-0.39	-3.17	2.48	0.7880
so2avl3	9.0	0.001042	0.001429	0.94	-1.57	3.52	1.05	-1.74	3.92	0.4660
so4avl0	6.4	0.002386	0.002154	1.54	-1.17	4.32	2.42	-1.82	6.83	0.2680
so4avl1	6.4	0.001887	0.002161	1.22	-1.49	4.00	1.91	-2.32	6.31	0.3830
so4avl2	6.4	0.001143	0.002153	0.73	-1.95	3.49	1.15	-3.03	5.51	0.5960
so4avl3	6.4	-0.001056	0.002151	-0.67	-3.32	2.04	-1.05	-5.14	3.21	0.6240
com8l0	1.0	0.009301	0.009257	0.93	-0.88	2.78	0.09	-0.09	0.27	0.3150
com8l1	1.0	0.018817	0.009041	1.90	0.11	3.72	0.19	0.01	0.37	0.0377
com8l2	1.0	-0.004379	0.009935	-0.44	-2.36	1.52	-0.04	-0.24	0.15	0.6590
com8l3	1.0	0.001024	0.009689	0.10	-1.78	2.02	0.01	-0.18	0.20	0.9160
pm10avl0	26.9	0.000562	0.000518	1.52	-1.21	4.33	0.56	-0.45	1.59	0.2780
pm10avl1	26.9	0.000731	0.000515	1.99	-0.74	4.79	0.73	-0.28	1.76	0.1560
pm10avl2	26.9	-0.000543	0.000518	-1.45	-4.10	1.28	-0.54	-1.55	0.47	0.2950
pm10avl3	26.9	-0.000347	0.000513	-0.93	-3.57	1.78	-0.35	-1.34	0.66	0.4980
smkavl0	18.5	0.001216	0.000785	2.27	-0.60	5.23	1.22	-0.32	2.79	0.1220
smkavl1	18.5	0.001724	0.000787	3.24	0.34	6.23	1.74	0.18	3.32	0.0287
smkavl2	18.5	-0.000101	0.000803	-0.19	-3.05	2.76	-0.10	-1.66	1.48	0.9000
smkavl3	18.5	0.000122	0.000797	0.23	-2.63	3.17	0.12	-1.43	1.70	0.8780
pfravl0	11.6	0.001365	0.001053	1.60	-0.81	4.06	1.37	-0.70	3.49	0.1950
pfravl1	11.6	0.001895	0.001043	2.22	-0.17	4.67	1.91	-0.15	4.02	0.0695
pfravl2	11.6	0.000112	0.001075	0.13	-2.29	2.61	0.11	-1.97	2.24	0.9170
pfravl3	11.6	-0.000046	0.001083	-0.05	-2.48	2.44	-0.05	-2.14	2.10	0.9660
sfravl0	15.3	0.000998	0.000893	1.54	-1.14	4.30	1.00	-0.75	2.79	0.2640
sfravl1	15.3	0.000763	0.000897	1.17	-1.51	3.93	0.77	-0.99	2.55	0.3950
sfravl2	15.3	0.000459	0.000894	0.70	-1.96	3.44	0.46	-1.28	2.24	0.6080
sfravl3	15.3	-0.000441	0.000892	-0.67	-3.29	2.02	-0.44	-2.17	1.32	0.6220
pm25avl0	19.8	0.000503	0.000755	1.00	-1.92	4.00	0.50	-0.97	2.00	0.5060
pm25avl1	19.8	0.000500	0.000751	0.99	-1.91	3.98	0.50	-0.97	1.99	0.5060
pm25avl2	19.8	-0.000283	0.000740	-0.56	-3.38	2.34	-0.28	-1.72	1.18	0.7030
pm25avl3	19.8	-0.000296	0.000742	-0.58	-3.41	2.32	-0.30	-1.73	1.16	0.6900
pmcoarse	11.1	0.001799	0.001616	2.01	-1.5	5.66	1.82	-1.36	5.09	0.2660
pmcoarse1	11.1	0.003340	0.001600	3.77	0.22	7.45	3.40	0.20	6.69	0.0372
pmcoarse2	11.1	-0.004208	0.001660	-4.56	-7.94	-1.05	-4.12	-7.19	-0.95	0.0115
pmcoarse3	11.1	-0.001263	0.001616	-1.39	-4.79	2.13	-1.26	-4.33	1.92	0.4340
pm10avl0*	26.6	0.000337	0.000551	0.9	-1.96	3.84	0.34	-0.74	1.43	0.5410
pm10avl1*	26.6	0.000630	0.000551	1.69	-1.19	4.65	0.63	-0.45	1.72	0.2530
pm10avl2*	26.6	-0.000582	0.000552	-1.54	-4.33	1.34	-0.58	-1.65	0.5	0.2920
pm10avl3*	26.6	-0.000340	0.000548	-0.9	-3.69	1.97	-0.34	-1.4	0.74	0.5350

Table 14 Cardiac Disease Ages 65+ Hospital Admissions: cumulative day lags

<i>Poll&Laa</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000687	0.000499	1.77	-0.74	4.34	0.69	-0.29	1.68	0.1690
no2mxl02	23.5	0.000552	0.000559	1.31	-1.27	3.95	0.55	-0.54	1.66	0.3230
no2mxl03	21.8	0.000603	0.000607	1.32	-1.27	3.99	0.60	-0.59	1.81	0.3210
o3m8l01	28.6	-0.000722	0.000719	-2.04	-5.91	1.98	-0.72	-2.11	0.69	0.3150
o3m8l02	27.9	-0.001033	0.000796	-2.84	-6.98	1.48	-1.03	-2.56	0.53	0.1950
o3m8l03	26.8	-0.001249	0.000836	-3.29	-7.45	1.05	-1.24	-2.85	0.39	0.1360
so2avl01	8.5	0.003240	0.001628	2.79	0.04	5.62	3.29	0.05	6.64	0.0469
so2avl02	7.8	0.002481	0.001823	1.95	-0.85	4.84	2.51	-1.09	6.24	0.1740
so2avl03	7.2	0.002715	0.001983	1.97	-0.84	4.87	2.75	-1.16	6.82	0.1710
so4avl01	5.8	0.002484	0.002293	1.45	-1.16	4.13	2.52	-1.99	7.23	0.2790
so4avl02	5.2	0.002288	0.002397	1.20	-1.25	3.70	2.31	-2.38	7.24	0.3400
so4avl03	4.8	0.001541	0.002487	0.74	-1.59	3.13	1.55	-3.28	6.63	0.5360
so4avl04	4.7	-0.000247	0.002581	-0.12	-2.46	2.29	-0.25	-5.17	4.93	0.9240
so4avl05	4.7	-0.002067	0.002652	-0.97	-3.36	1.48	-2.05	-7.01	3.18	0.4360
com8l01	1.0	0.018766	0.010452	1.80	-0.16	3.80	0.19	-0.02	0.39	0.0730
com8l02	0.9	0.014321	0.012122	1.30	-0.85	3.49	0.14	-0.09	0.38	0.2380
com8l03	0.9	0.014028	0.013515	1.23	-1.08	3.59	0.14	-0.12	0.41	0.3000
pm10avl01	24.4	0.000816	0.000577	2.01	-0.77	4.86	0.82	-0.32	1.97	0.1580
pm10avl02	24.2	0.000370	0.000628	0.90	-2.06	3.95	0.37	-0.86	1.61	0.5550
pm10avl03	23.0	0.000164	0.000668	0.38	-2.60	3.45	0.16	-1.14	1.48	0.8070
pm10avl04	21.9	-0.000139	0.000708	-0.30	-3.29	2.77	-0.14	-1.51	1.26	0.8450
pm10avl05	21.2	-0.000336	0.000745	-0.71	-3.74	2.41	-0.34	-1.78	1.13	0.6520
smkavl01	16.7	0.001961	0.000903	3.33	0.32	6.43	1.98	0.19	3.80	0.0301
smkavl02	14.8	0.001568	0.001008	2.35	-0.60	5.38	1.58	-0.41	3.61	0.1200
smkavl03	14.2	0.001466	0.001102	2.10	-0.98	5.28	1.48	-0.69	3.69	0.1840
smkavl04	13.8	0.001195	0.001186	1.66	-1.55	4.98	1.20	-1.12	3.58	0.3140
smkavl05	13.1	0.000668	0.001270	0.88	-2.36	4.22	0.67	-1.80	3.21	0.5990
pfravl01	10.6	0.002108	0.001214	2.26	-0.29	4.87	2.13	-0.27	4.59	0.0828
pfravl02	9.9	0.001754	0.001343	1.75	-0.87	4.44	1.77	-0.87	4.48	0.1920
pfravl03	9.8	0.001491	0.001466	1.47	-1.35	4.37	1.50	-1.37	4.46	0.3100
pfravl04	9.6	0.001443	0.001568	1.39	-1.55	4.43	1.45	-1.62	4.62	0.3580
pfravl05	9.4	0.001119	0.001664	1.06	-1.99	4.20	1.12	-2.12	4.48	0.5020
sfravl01	13.9	0.001020	0.000951	1.43	-1.17	4.09	1.03	-0.84	2.93	0.2840
sfravl02	12.5	0.000952	0.000994	1.20	-1.24	3.69	0.96	-0.99	2.94	0.3390
sfravl03	11.5	0.000643	0.001031	0.74	-1.57	3.11	0.64	-1.37	2.70	0.5330
sfravl04	11.2	-0.000047	0.001095	-0.05	-2.43	2.38	-0.05	-2.17	2.12	0.9660
sfravl05	10.5	-0.000504	0.001140	-0.53	-2.84	1.83	-0.50	-2.70	1.75	0.6590
pm25avl01	17.7	0.000534	0.000828	0.95	-1.91	3.89	0.54	-1.08	2.18	0.5190
pm25avl02	17.4	0.000105	0.000883	0.18	-2.79	3.25	0.11	-1.61	1.85	0.9050
pm25avl03	16.7	0.000001	0.000945	0.00	-3.04	3.14	0.00	-1.83	1.87	0.9990
pm25avl04	16.0	-0.000278	0.001003	-0.44	-3.53	2.74	-0.28	-2.22	1.70	0.7810
pm25avl05	15.7	-0.000470	0.001060	-0.73	-3.92	2.56	-0.47	-2.52	1.62	0.6580
pmcoarsem01	9.6	0.003032	0.001842	2.95	-0.55	6.58	3.08	-0.58	6.87	0.1000
pmcoarsem02	9.2	0.000231	0.002078	0.21	-3.47	4.03	0.23	-3.77	4.40	0.9120
pmcoarsem03	8.8	-0.000327	0.002254	-0.28	-4.08	3.66	-0.33	-4.63	4.18	0.8850
pmcoarsem04	8.5	-0.001704	0.002431	-1.43	-5.35	2.63	-1.69	-6.26	3.11	0.4830
pmcoarsem05	8.1	-0.003061	0.002597	-2.44	-6.38	1.65	-3.01	-7.83	2.05	0.2390
pm10avl01*	24.7	0.000599	0.000612	1.49	-1.47	4.54	0.6	-0.6	1.82	0.328
pm10avl02*	24.7	0.000185	0.000665	0.46	-2.72	3.74	0.18	-1.11	1.5	0.781
pm10avl03*	23.1	0.000012	0.00071	0.03	-3.14	3.3	0.01	-1.37	1.41	0.986
pm10avl04*	21.9	-0.00024	0.000755	-0.52	-3.69	2.76	-0.24	-1.7	1.25	0.754
pm10avl05*	21	-0.00046	0.000797	-0.96	-4.15	2.35	-0.46	-2	1.11	0.566

Table 15 IHD 0-64 Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.000400	0.000755	1.16	-3.06	5.56	0.40	-1.08	1.90	0.5970
no2mxl1	28.8	-0.000261	0.000784	-0.75	-5.04	3.74	-0.26	-1.78	1.28	0.7400
no2mxl2	28.8	0.000224	0.000787	0.65	-3.73	5.22	0.22	-1.31	1.78	0.7760
no2mxl3	28.8	0.000749	0.000752	2.18	-2.06	6.61	0.75	-0.72	2.25	0.3190
o3m8l0	30.8	0.001023	0.001026	3.20	-3.00	9.79	1.03	-0.98	3.08	0.3190
o3m8l1	30.8	0.002388	0.001115	7.63	0.63	15.13	2.42	0.20	4.68	0.0324
o3m8l2	30.8	0.001577	0.001014	4.98	-1.26	11.61	1.59	-0.41	3.63	0.1200
o3m8l3	30.8	0.000095	0.000987	0.29	-5.51	6.45	0.10	-1.82	2.05	0.9230
so2avl0	9.0	-0.002761	0.002481	-2.45	-6.63	1.91	-2.72	-7.34	2.12	0.2660
so2avl1	9.0	-0.004505	0.002580	-3.97	-8.25	0.50	-4.40	-9.12	0.55	0.0812
so2avl2	9.0	-0.001029	0.002490	-0.92	-5.18	3.53	-1.02	-5.74	3.93	0.6800
so2avl3	9.0	0.000818	0.002415	0.74	-3.46	5.12	0.82	-3.84	5.71	0.7350
so4avl0	6.4	-0.001687	0.003851	-1.07	-5.74	3.82	-1.67	-8.82	6.04	0.6610
so4avl1	6.4	-0.005245	0.003912	-3.30	-7.93	1.56	-5.11	-12.11	2.45	0.1800
so4avl2	6.4	-0.006431	0.003845	-4.03	-8.55	0.71	-6.23	-13.04	1.11	0.0948
so4avl3	6.4	-0.006795	0.003819	-4.26	-8.73	0.44	-6.57	-13.31	0.69	0.0756
com8l0	1.0	0.018642	0.015074	1.88	-1.08	4.94	0.19	-0.11	0.48	0.2170
com8l1	1.0	0.000298	0.015913	0.03	-3.04	3.20	0.00	-0.31	0.32	0.9850
com8l2	1.0	-0.012174	0.017211	-1.21	-4.49	2.18	-0.12	-0.46	0.22	0.4800
com8l3	1.0	0.023043	0.015653	2.33	-0.76	5.52	0.23	-0.08	0.54	0.1410
pm10avl0	26.9	-0.001316	0.000906	-3.48	-7.98	1.25	-1.31	-3.04	0.46	0.1470
pm10avl1	26.9	-0.002284	0.000912	-5.96	-10.37	-1.33	-2.26	-3.99	-0.50	0.0124
pm10avl2	26.9	-0.002355	0.000907	-6.14	-10.52	-1.54	-2.33	-4.05	-0.58	0.0096
pm10avl3	26.9	-0.001638	0.000893	-4.31	-8.71	0.30	-1.62	-3.33	0.11	0.0670
smkavl0	18.5	0.000579	0.001316	1.08	-3.63	6.02	0.58	-1.98	3.21	0.6600
smkavl1	18.5	-0.000332	0.001341	-0.61	-5.33	4.34	-0.33	-2.92	2.32	0.8040
smkavl2	18.5	-0.002988	0.001399	-5.38	-10.06	-0.45	-2.94	-5.57	-0.25	0.0330
smkavl3	18.5	0.000439	0.001341	0.82	-3.97	5.84	0.44	-2.16	3.11	0.7430
pfravl0	11.6	0.003562	0.001724	4.22	0.21	8.38	3.63	0.18	7.19	0.0392
pfravl1	11.6	-0.000850	0.001827	-0.98	-5.01	3.22	-0.85	-4.33	2.77	0.6420
pfravl2	11.6	-0.002876	0.001906	-3.28	-7.38	1.00	-2.83	-6.40	0.86	0.1320
pfravl3	11.6	0.000609	0.001818	0.71	-3.37	4.96	0.61	-2.91	4.26	0.7380
sfravl0	15.3	-0.000679	0.001597	-1.03	-5.66	3.82	-0.68	-3.74	2.48	0.6710
sfravl1	15.3	-0.002220	0.001623	-3.34	-7.93	1.48	-2.20	-5.26	0.97	0.1720
sfravl2	15.3	-0.002695	0.001596	-4.04	-8.52	0.66	-2.66	-5.66	0.43	0.0916
sfravl3	15.3	-0.002805	0.001584	-4.20	-8.65	0.46	-2.77	-5.74	0.30	0.0770
pm25avl0	19.8	-0.001343	0.001340	-2.62	-7.56	2.57	-1.33	-3.89	1.29	0.3160
pm25avl1	19.8	-0.002588	0.001339	-4.99	-9.81	0.07	-2.55	-5.08	0.04	0.0537
pm25avl2	19.8	-0.002826	0.001331	-5.44	-10.20	-0.43	-2.79	-5.29	-0.22	0.0340
pm25avl3	19.8	-0.002693	0.001345	-5.19	-10.02	-0.11	-2.66	-5.19	-0.06	0.0457
pmcoarse	11.1	-0.006009	0.002931	-6.45	-12.23	-0.29	-5.83	-11.09	-0.26	0.0407
pmcoarse1	11.1	-0.006226	0.002929	-6.67	-12.43	-0.53	-6.04	-11.28	-0.48	0.0339
pmcoarse2	11.1	-0.006636	0.002906	-7.10	-12.79	-1.03	-6.42	-11.60	-0.94	0.0227
pmcoarse3	11.1	-0.007128	0.002874	-7.60	-13.20	-1.64	-6.88	-11.98	-1.48	0.0134
pm10avl0*	26.6	-0.001634	0.000995	-4.25	-9.1	0.84	-1.62	-3.52	0.32	0.1010
pm10avl1*	26.6	-0.002400	0.000998	-6.18	-10.94	-1.17	-2.37	-4.26	-0.44	0.0165
pm10avl2*	26.6	-0.002410	0.000991	-6.21	-10.93	-1.23	-2.38	-4.26	-0.47	0.0153
pm10avl3*	26.6	-0.002051	0.000990	-5.31	-10.07	-0.29	-2.03	-3.91	-0.11	0.0386

Table 16 IHD 0-64 Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000101	0.000868	0.26	-4.00	4.70	0.10	-1.59	1.82	0.9080
no2mxl02	23.5	0.000198	0.000971	0.47	-3.93	5.06	0.20	-1.69	2.12	0.8380
no2mxl03	21.8	0.000541	0.001052	1.19	-3.26	5.84	0.54	-1.51	2.64	0.6070
o3m8l01	28.6	0.002051	0.001179	6.04	-0.74	13.29	2.07	-0.26	4.46	0.0823
o3m8l02	27.9	0.002402	0.001253	6.93	-0.15	14.52	2.43	-0.05	4.98	0.0556
o3m8l03	26.8	0.002034	0.001308	5.60	-1.41	13.11	2.05	-0.53	4.70	0.1200
so2avl01	8.5	-0.004735	0.002891	-3.95	-8.46	0.80	-4.62	-9.88	0.94	0.1020
so2avl02	7.8	-0.004481	0.003207	-3.43	-8.05	1.42	-4.38	-10.21	1.82	0.1630
so2avl03	7.2	-0.003516	0.003455	-2.50	-7.14	2.37	-3.46	-9.78	3.31	0.3090
so4avl01	5.8	-0.004127	0.004153	-2.37	-6.87	2.36	-4.04	-11.55	4.10	0.3210
so4avl02	5.2	-0.005836	0.004348	-2.99	-7.19	1.41	-5.67	-13.38	2.72	0.1800
so4avl03	4.8	-0.007109	0.004497	-3.35	-7.36	0.82	-6.86	-14.72	1.72	0.1140
so4avl04	4.7	-0.008806	0.004657	-4.05	-8.08	0.15	-8.43	-16.42	0.32	0.0590
so4avl05	4.7	-0.010979	0.004766	-5.03	-9.11	-0.77	-10.40	-18.39	-1.62	0.0215
com8l01	1.0	0.012961	0.017640	1.24	-2.03	4.62	0.13	-0.22	0.48	0.4630
com8l02	0.9	0.006232	0.020522	0.56	-3.01	4.27	0.06	-0.34	0.47	0.7610
com8l03	0.9	0.018389	0.022575	1.61	-2.22	5.60	0.18	-0.26	0.63	0.4160
pm10avl01	24.4	-0.002275	0.001017	-5.40	-9.89	-0.69	-2.25	-4.18	-0.28	0.0255
pm10avl02	24.2	-0.002989	0.001103	-6.98	-11.72	-1.98	-2.94	-5.02	-0.82	0.0069
pm10avl03	23.0	-0.003284	0.001174	-7.28	-12.06	-2.24	-3.23	-5.43	-0.98	0.0053
pm10avl04	21.9	-0.003528	0.001239	-7.43	-12.23	-2.38	-3.47	-5.78	-1.09	0.0045
pm10avl05	21.2	-0.003618	0.001302	-7.38	-12.26	-2.23	-3.55	-5.98	-1.06	0.0056
smkavl01	16.7	0.000170	0.001519	0.28	-4.58	5.40	0.17	-2.77	3.20	0.9110
smkavl02	14.8	-0.001423	0.001710	-2.08	-6.82	2.90	-1.41	-4.66	1.95	0.4060
smkavl03	14.2	-0.001059	0.001859	-1.49	-6.46	3.74	-1.05	-4.59	2.62	0.5690
smkavl04	13.8	-0.000854	0.001992	-1.17	-6.35	4.30	-0.85	-4.65	3.10	0.6680
smkavl05	13.1	-0.000777	0.002117	-1.01	-6.25	4.52	-0.77	-4.81	3.43	0.7140
pfravl01	10.6	0.001936	0.002044	2.07	-2.17	6.50	1.95	-2.05	6.12	0.3440
pfravl02	9.9	-0.000083	0.002306	-0.08	-4.45	4.49	-0.08	-4.50	4.54	0.9710
pfravl03	9.8	0.000155	0.002499	0.15	-4.54	5.08	0.15	-4.63	5.18	0.9510
pfravl04	9.6	-0.000391	0.002669	-0.37	-5.25	4.76	-0.39	-5.47	4.96	0.8840
pfravl05	9.4	-0.000450	0.002826	-0.42	-5.47	4.90	-0.45	-5.81	5.22	0.8730
sfravl01	13.9	-0.001723	0.001723	-2.37	-6.84	2.33	-1.71	-4.97	1.67	0.3180
sfravl02	12.5	-0.002406	0.001803	-2.96	-7.16	1.42	-2.38	-5.77	1.13	0.1820
sfravl03	11.5	-0.002935	0.001865	-3.32	-7.30	0.83	-2.89	-6.38	0.72	0.1160
sfravl04	11.2	-0.003864	0.001980	-4.24	-8.31	0.02	-3.79	-7.45	0.02	0.0514
sfravl05	10.5	-0.004219	0.002057	-4.33	-8.30	-0.20	-4.13	-7.92	-0.19	0.0406
pm25avl01	17.7	-0.002368	0.001469	-4.10	-8.87	0.91	-2.34	-5.11	0.51	0.1080
pm25avl02	17.4	-0.003560	0.001579	-6.01	-10.94	-0.80	-3.50	-6.44	-0.46	0.0245
pm25avl03	16.7	-0.004294	0.001697	-6.92	-11.95	-1.60	-4.20	-7.34	-0.96	0.0116
pm25avl04	16.0	-0.004124	0.001806	-6.39	-11.54	-0.93	-4.04	-7.38	-0.58	0.0227
pm25avl05	15.7	-0.004018	0.001909	-6.11	-11.47	-0.43	-3.94	-7.47	-0.28	0.0357
pmcoarsem01	9.6	-0.008225	0.003364	-7.59	-13.26	-1.55	-7.90	-13.77	-1.62	0.0147
pmcoarsem02	9.2	-0.009616	0.003714	-8.46	-14.39	-2.12	-9.17	-15.54	-2.31	0.0098
pmcoarsem03	8.8	-0.012022	0.004006	-10.03	-16.04	-3.60	-11.33	-18.02	-4.09	0.0028
pmcoarsem04	8.5	-0.013426	0.004297	-10.78	-16.94	-4.16	-12.56	-19.63	-4.88	0.0019
pmcoarsem05	8.1	-0.013621	0.004561	-10.44	-16.70	-3.72	-12.73	-20.20	-4.57	0.0029
pm10avl01*	24.7	-0.00251	0.001107	-6.01	-10.91	-0.84	-2.48	-4.57	-0.34	0.0236
pm10avl02*	24.7	-0.00316	0.001197	-7.51	-12.72	-2	-3.11	-5.36	-0.81	0.0084
pm10avl03*	23.1	-0.0036	0.001279	-7.99	-13.17	-2.5	-3.54	-5.93	-1.09	0.0050
pm10avl04*	21.9	-0.00395	0.00136	-8.28	-13.48	-2.77	-3.87	-6.4	-1.28	0.0038
pm10avl05*	21	-0.00405	0.001434	-8.16	-13.42	-2.58	-3.97	-6.63	-1.24	0.0048

Table 17 IHD Ages 65+ Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.000491	0.000650	1.42	-2.23	5.22	0.49	-0.78	1.78	0.4500
no2mxl1	28.8	0.000912	0.000665	2.66	-1.12	6.59	0.92	-0.39	2.24	0.1710
no2mxl2	28.8	0.000157	0.000668	0.45	-3.26	4.31	0.16	-1.15	1.48	0.8140
no2mxl3	28.8	0.000934	0.000636	2.73	-0.90	6.48	0.94	-0.31	2.21	0.1430
o3m8l0	30.8	-0.000295	0.000865	-0.91	-5.95	4.41	-0.29	-1.97	1.41	0.7330
o3m8l1	30.8	0.000873	0.000948	2.72	-2.99	8.78	0.88	-0.98	2.77	0.3580
o3m8l2	30.8	0.000118	0.000970	0.36	-5.35	6.42	0.12	-1.77	2.04	0.9030
o3m8l3	30.8	-0.000613	0.000891	-1.87	-7.01	3.55	-0.61	-2.33	1.14	0.4920
so2avl0	9.0	0.000864	0.002072	0.78	-2.84	4.53	0.87	-3.15	5.05	0.6770
so2avl1	9.0	0.001821	0.002096	1.65	-2.04	5.48	1.84	-2.26	6.11	0.3850
so2avl2	9.0	-0.000780	0.002109	-0.70	-4.33	3.06	-0.78	-4.79	3.41	0.7120
so2avl3	9.0	0.002123	0.002050	1.93	-1.69	5.68	2.15	-1.88	6.33	0.3010
so4avl0	6.4	0.003383	0.003179	2.19	-1.81	6.35	3.44	-2.81	10.09	0.2880
so4avl1	6.4	0.002727	0.003199	1.76	-2.24	5.93	2.76	-3.48	9.41	0.3940
so4avl2	6.4	0.001966	0.003211	1.27	-2.73	5.43	1.99	-4.23	8.61	0.5400
so4avl3	6.4	-0.001313	0.003219	-0.84	-4.76	3.25	-1.30	-7.34	5.12	0.6830
com8l0	1.0	0.006507	0.013555	0.65	-1.99	3.36	0.07	-0.20	0.33	0.6310
com8l1	1.0	0.023789	0.013252	2.41	-0.22	5.10	0.24	-0.02	0.50	0.0730
com8l2	1.0	0.003508	0.014140	0.35	-2.39	3.17	0.04	-0.24	0.31	0.8040
com8l3	1.0	0.019345	0.013491	1.95	-0.71	4.69	0.19	-0.07	0.46	0.1520
pm10avl0	26.9	0.000355	0.000760	0.96	-3.01	5.09	0.36	-1.13	1.86	0.6410
pm10avl1	26.9	0.000982	0.000756	2.68	-1.34	6.86	0.99	-0.50	2.50	0.1940
pm10avl2	26.9	-0.000352	0.000757	-0.94	-4.82	3.09	-0.35	-1.82	1.14	0.6410
pm10avl3	26.9	0.000089	0.000748	0.24	-3.63	4.27	0.09	-1.37	1.57	0.9050
smkavl0	18.5	0.000349	0.001143	0.65	-3.44	4.91	0.35	-1.87	2.62	0.7600
smkavl1	18.5	0.001433	0.001140	2.69	-1.47	7.02	1.44	-0.80	3.73	0.2090
smkavl2	18.5	0.000004	0.001152	0.01	-4.08	4.27	0.00	-2.23	2.29	0.9970
smkavl3	18.5	0.001017	0.001141	1.90	-2.23	6.20	1.02	-1.21	3.31	0.3730
pfravl0	11.6	-0.000086	0.001543	-0.10	-3.54	3.47	-0.09	-3.06	2.98	0.9550
pfravl1	11.6	0.002114	0.001512	2.48	-0.98	6.07	2.14	-0.85	5.21	0.1620
pfravl2	11.6	0.001245	0.001525	1.45	-2.00	5.03	1.25	-1.73	4.33	0.4150
pfravl3	11.6	0.000109	0.001560	0.13	-3.36	3.74	0.11	-2.91	3.22	0.9440
sfravl0	15.3	0.001437	0.001318	2.22	-1.74	6.34	1.45	-1.14	4.10	0.2760
sfravl1	15.3	0.001104	0.001328	1.70	-2.27	5.83	1.11	-1.49	3.78	0.4060
sfravl2	15.3	0.000775	0.001333	1.19	-2.77	5.32	0.78	-1.82	3.45	0.5610
sfravl3	15.3	-0.000558	0.001335	-0.85	-4.74	3.20	-0.56	-3.13	2.08	0.6760
pm25avl0	19.8	0.000610	0.001124	1.22	-3.11	5.73	0.61	-1.58	2.85	0.5870
pm25avl1	19.8	-0.000468	0.001141	-0.92	-5.21	3.57	-0.47	-2.67	1.79	0.6820
pm25avl2	19.8	-0.000464	0.001120	-0.91	-5.13	3.49	-0.46	-2.62	1.75	0.6790
pm25avl3	19.8	-0.000584	0.001121	-1.15	-5.36	3.24	-0.58	-2.74	1.63	0.6020
pmcoarse	11.1	-0.000954	0.002476	-1.05	-6.24	4.42	-0.95	-5.64	3.98	0.7000
pmcoarse1	11.1	0.002423	0.002420	2.72	-2.54	8.27	2.45	-2.29	7.43	0.3170
pmcoarse2	11.1	-0.005178	0.002488	-5.58	-10.56	-0.33	-5.05	-9.57	-0.30	0.0378
pmcoarse3	11.1	-0.003904	0.002429	-4.24	-9.16	0.95	-3.83	-8.30	0.86	0.1090
pm10avl0*	26.6	0.000039	0.000833	0.11	-4.15	4.55	0.04	-1.58	1.69	0.9620
pm10avl1*	26.6	0.000351	0.000830	0.94	-3.34	5.4	0.35	-1.27	2	0.6730
pm10avl2*	26.6	-0.000839	0.000836	-2.21	-6.38	2.15	-0.84	-2.45	0.8	0.3160
pm10avl3*	26.6	-0.000358	0.000829	-0.95	-5.13	3.43	-0.36	-1.96	1.27	0.6660

Table 18 IHD Ages 65+ Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000888	0.000742	2.29	-1.43	6.16	0.89	-0.56	2.37	0.2320
no2mxl02	23.5	0.000813	0.000828	1.93	-1.88	5.89	0.82	-0.81	2.46	0.3260
no2mxl03	21.8	0.001175	0.000894	2.60	-1.25	6.59	1.18	-0.58	2.97	0.1890
o3m8l01	28.6	0.000287	0.001002	0.82	-4.68	6.65	0.29	-1.66	2.28	0.7740
o3m8l02	27.9	0.000292	0.001121	0.82	-5.17	7.19	0.29	-1.89	2.52	0.7950
o3m8l03	26.8	-0.000027	0.001190	-0.07	-6.13	6.37	-0.03	-2.33	2.33	0.9820
so2avl01	8.5	0.001750	0.002386	1.50	-2.46	5.61	1.77	-2.88	6.64	0.4630
so2avl02	7.8	0.001030	0.002668	0.81	-3.22	5.00	1.04	-4.11	6.46	0.7000
so2avl03	7.2	0.001958	0.002891	1.42	-2.64	5.64	1.98	-3.64	7.92	0.4990
so4avl01	5.8	0.003593	0.003394	2.11	-1.76	6.12	3.66	-3.01	10.79	0.2900
so4avl02	5.2	0.003419	0.003564	1.79	-1.84	5.56	3.48	-3.50	10.96	0.3380
so4avl03	4.8	0.002330	0.003715	1.12	-2.35	4.72	2.36	-4.83	10.09	0.5310
so4avl04	4.7	0.000151	0.003870	0.07	-3.43	3.70	0.15	-7.16	8.04	0.9690
so4avl05	4.7	-0.002197	0.003976	-1.03	-4.59	2.67	-2.17	-9.51	5.76	0.5810
com8l01	1.0	0.019943	0.015357	1.91	-0.96	4.87	0.20	-0.10	0.50	0.1940
com8l02	0.9	0.018763	0.017638	1.70	-1.41	4.92	0.19	-0.16	0.53	0.2880
com8l03	0.9	0.026855	0.019449	2.36	-0.98	5.82	0.27	-0.11	0.65	0.1680
pm10avl01	24.4	0.000841	0.000851	2.07	-2.00	6.31	0.84	-0.82	2.54	0.3230
pm10avl02	24.2	0.000482	0.000925	1.17	-3.17	5.71	0.48	-1.32	2.32	0.6030
pm10avl03	23.0	0.000448	0.000985	1.04	-3.35	5.62	0.45	-1.47	2.41	0.6490
pm10avl04	21.9	0.000297	0.001044	0.65	-3.76	5.26	0.30	-1.73	2.37	0.7760
pm10avl05	21.2	0.000015	0.001101	0.03	-4.44	4.71	0.01	-2.12	2.20	0.9890
smkavl01	16.7	0.001169	0.001309	1.97	-2.31	6.43	1.18	-1.39	3.80	0.3720
smkavl02	14.8	0.000956	0.001451	1.42	-2.76	5.79	0.96	-1.87	3.87	0.5100
smkavl03	14.2	0.001327	0.001573	1.90	-2.46	6.46	1.34	-1.74	4.51	0.3990
smkavl04	13.8	0.001204	0.001694	1.67	-2.88	6.44	1.21	-2.09	4.63	0.4770
smkavl05	13.1	0.000819	0.001818	1.08	-3.53	5.91	0.82	-2.71	4.48	0.6530
pfravl01	10.6	0.001207	0.001772	1.29	-2.37	5.09	1.21	-2.24	4.79	0.4960
pfravl02	9.9	0.001576	0.001941	1.57	-2.18	5.47	1.59	-2.20	5.53	0.4170
pfravl03	9.8	0.001422	0.002108	1.40	-2.62	5.59	1.43	-2.67	5.71	0.5000
pfravl04	9.6	0.001389	0.002260	1.34	-2.88	5.74	1.40	-2.99	5.99	0.5390
pfravl05	9.4	0.000987	0.002408	0.93	-3.45	5.51	0.99	-3.66	5.87	0.6820
sfravl01	13.9	0.001483	0.001408	2.08	-1.76	6.08	1.49	-1.27	4.33	0.2920
sfravl02	12.5	0.001423	0.001478	1.79	-1.83	5.55	1.43	-1.46	4.41	0.3360
sfravl03	11.5	0.000973	0.001541	1.13	-2.33	4.70	0.98	-2.03	4.07	0.5280
sfravl04	11.2	0.000126	0.001641	0.14	-3.40	3.82	0.13	-3.04	3.40	0.9390
sfravl05	10.5	-0.000232	0.001708	-0.24	-3.69	3.33	-0.23	-3.52	3.16	0.8920
pm25avl01	17.7	-0.000142	0.001247	-0.25	-4.47	4.16	-0.14	-2.55	2.33	0.9100
pm25avl02	17.4	-0.000251	0.001331	-0.44	-4.86	4.19	-0.25	-2.82	2.39	0.8500
pm25avl03	16.7	-0.000325	0.001428	-0.54	-5.08	4.22	-0.32	-3.08	2.50	0.8200
pm25avl04	16.0	-0.000500	0.001519	-0.80	-5.41	4.04	-0.50	-3.42	2.51	0.7420
pm25avl05	15.7	-0.000809	0.001607	-1.26	-6.03	3.74	-0.81	-3.88	2.37	0.6150
pmcoarsem01	9.6	0.001133	0.002820	1.09	-4.13	6.60	1.14	-4.30	6.89	0.6880
pmcoarsem02	9.2	-0.001518	0.003150	-1.38	-6.83	4.37	-1.51	-7.40	4.77	0.6300
pmcoarsem03	8.8	-0.003465	0.003406	-3.00	-8.53	2.86	-3.41	-9.64	3.26	0.3090
pmcoarsem04	8.5	-0.006079	0.003660	-5.03	-10.65	0.93	-5.90	-12.41	1.10	0.0972
pmcoarsem05	8.1	-0.007855	0.003897	-6.16	-11.79	-0.17	-7.55	-14.35	-0.22	0.0442
pm10avl01*	24.7	0.000241	0.000925	0.6	-3.81	5.2	0.24	-1.56	2.08	0.7940
pm10avl02*	24.7	-0.00022	0.001004	-0.53	-5.25	4.42	-0.22	-2.16	1.77	0.8300
pm10avl03*	23.1	-0.00034	0.001074	-0.78	-5.49	4.17	-0.34	-2.41	1.78	0.7540
pm10avl04*	21.9	-0.00055	0.00114	-1.19	-5.91	3.76	-0.55	-2.75	1.7	0.6300
pm10avl05*	21	-0.00096	0.001204	-1.99	-6.73	2.99	-0.95	-3.26	1.41	0.4270

Table 19 Stroke Ages 65+ Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	-0.000686	0.000777	-1.96	-6.17	2.44	-0.68	-2.19	0.84	0.3780
no2mxl1	28.8	0.000185	0.000771	0.53	-3.75	5.00	0.18	-1.32	1.71	0.8110
no2mxl2	28.8	-0.000445	0.000794	-1.27	-5.60	3.25	-0.44	-1.98	1.12	0.5750
no2mxl3	28.8	-0.000564	0.000777	-1.61	-5.83	2.80	-0.56	-2.06	0.96	0.4680
o3m8l0	30.8	0.000413	0.000973	1.28	-4.50	7.41	0.41	-1.48	2.35	0.6710
o3m8l1	30.8	-0.000766	0.001025	-2.33	-8.19	3.90	-0.76	-2.74	1.25	0.4550
o3m8l2	30.8	0.000399	0.001150	1.24	-5.55	8.51	0.40	-1.84	2.69	0.7290
o3m8l3	30.8	-0.001339	0.001051	-4.04	-9.94	2.25	-1.33	-3.34	0.72	0.2030
so2avl0	9.0	-0.006789	0.002573	-5.93	-10.10	-1.56	-6.56	-11.16	-1.73	0.0085
so2avl1	9.0	-0.002693	0.002558	-2.39	-6.70	2.11	-2.66	-7.42	2.35	0.2930
so2avl2	9.0	0.000078	0.002530	0.07	-4.30	4.64	0.08	-4.76	5.17	0.9750
so2avl3	9.0	-0.000471	0.002515	-0.42	-4.74	4.09	-0.47	-5.26	4.56	0.8520
so4avl0	6.4	0.003321	0.003732	2.15	-2.52	7.04	3.38	-3.92	11.22	0.3740
so4avl1	6.4	0.002635	0.003738	1.70	-2.96	6.58	2.67	-4.58	10.47	0.4810
so4avl2	6.4	0.000838	0.003759	0.54	-4.09	5.39	0.84	-6.32	8.55	0.8240
so4avl3	6.4	0.002180	0.003729	1.41	-3.23	6.26	2.20	-5.00	9.95	0.5590
com8l0	1.0	-0.014787	0.016456	-1.47	-4.60	1.76	-0.15	-0.47	0.17	0.3690
com8l1	1.0	-0.011225	0.016215	-1.12	-4.21	2.08	-0.11	-0.43	0.21	0.4890
com8l2	1.0	-0.005637	0.016590	-0.56	-3.74	2.72	-0.06	-0.38	0.27	0.7340
com8l3	1.0	-0.012997	0.016828	-1.29	-4.49	2.02	-0.13	-0.46	0.20	0.4400
pm10avl0	26.9	-0.001411	0.000906	-3.73	-8.22	0.98	-1.40	-3.14	0.36	0.1200
pm10avl1	26.9	-0.000821	0.000902	-2.18	-6.73	2.58	-0.82	-2.56	0.95	0.3640
pm10avl2	26.9	-0.000673	0.000900	-1.79	-6.35	2.98	-0.67	-2.41	1.10	0.4550
pm10avl3	26.9	-0.000414	0.000893	-1.11	-5.65	3.66	-0.41	-2.14	1.34	0.6430
smkavl0	18.5	-0.000766	0.001367	-1.41	-6.17	3.60	-0.76	-3.39	1.93	0.5750
smkavl1	18.5	-0.001746	0.001376	-3.18	-7.89	1.77	-1.73	-4.35	0.95	0.2050
smkavl2	18.5	-0.001318	0.001375	-2.41	-7.16	2.58	-1.31	-3.93	1.39	0.3380
smkavl3	18.5	-0.001686	0.001402	-3.07	-7.87	1.98	-1.67	-4.34	1.07	0.2290
pfravl0	11.6	-0.000132	0.001859	-0.15	-4.28	4.16	-0.13	-3.70	3.57	0.9440
pfravl1	11.6	-0.001769	0.001866	-2.03	-6.10	2.21	-1.75	-5.28	1.91	0.3430
pfravl2	11.6	-0.001472	0.001882	-1.69	-5.81	2.60	-1.46	-5.03	2.24	0.4340
pfravl3	11.6	-0.000845	0.001910	-0.98	-5.18	3.42	-0.84	-4.49	2.94	0.6580
sfravl0	15.3	0.001361	0.001548	2.10	-2.53	6.96	1.37	-1.66	4.49	0.3790
sfravl1	15.3	0.001107	0.001551	1.71	-2.91	6.55	1.11	-1.91	4.23	0.4750
sfravl2	15.3	0.000331	0.001561	0.51	-4.09	5.32	0.33	-2.69	3.45	0.8320
sfravl3	15.3	0.000918	0.001547	1.41	-3.18	6.23	0.92	-2.09	4.03	0.5530
pm25avl0	19.8	-0.000792	0.001370	-1.56	-6.66	3.82	-0.79	-3.42	1.91	0.5630
pm25avl1	19.8	-0.000577	0.001362	-1.14	-6.23	4.23	-0.58	-3.20	2.12	0.6720
pm25avl2	19.8	-0.000740	0.001356	-1.45	-6.51	3.87	-0.74	-3.34	1.94	0.5860
pm25avl3	19.8	-0.000368	0.001347	-0.73	-5.78	4.60	-0.37	-2.96	2.30	0.7850
pmcoarse	11.1	-0.009323	0.002937	-9.83	-15.41	-3.88	-8.90	-14.00	-3.50	0.0016
pmcoarse1	11.1	-0.003904	0.002951	-4.24	-10.19	2.10	-3.83	-9.23	1.90	0.1860
pmcoarse2	11.1	-0.003303	0.002964	-3.59	-9.62	2.82	-3.25	-8.71	2.54	0.2660
pmcoarse3	11.1	-0.004222	0.002908	-4.57	-10.42	1.65	-4.13	-9.44	1.49	0.1470
pm10avl0*	26.6	-0.001383	0.001005	-3.61	-8.53	1.57	-1.37	-3.3	0.59	0.1690
pm10avl1*	26.6	-0.000612	0.001004	-1.61	-6.63	3.67	-0.61	-2.55	1.37	0.5420
pm10avl2*	26.6	-0.000820	0.001004	-2.16	-7.15	3.1	-0.82	-2.75	1.15	0.4140
pm10avl3*	26.6	-0.000858	0.000998	-2.26	-7.21	2.96	-0.85	-2.77	1.1	0.3900

Table 20 Stroke Ages 65+ Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	-0.000318	0.000870	-0.81	-5.03	3.60	-0.32	-2.00	1.40	0.7150
no2mxl02	23.5	-0.000486	0.000970	-1.14	-5.46	3.38	-0.48	-2.36	1.43	0.6160
no2mxl03	21.8	-0.000698	0.001059	-1.51	-5.87	3.05	-0.70	-2.74	1.39	0.5100
o3m8l01	28.6	-0.000179	0.001091	-0.51	-6.41	5.76	-0.18	-2.29	1.98	0.8700
o3m8l02	27.9	0.000002	0.001224	0.01	-6.47	6.93	0.00	-2.37	2.43	0.9980
o3m8l03	26.8	-0.000528	0.001308	-1.41	-7.95	5.61	-0.53	-3.05	2.06	0.6870
so2avl01	8.5	-0.006198	0.002925	-5.13	-9.64	-0.40	-6.01	-11.25	-0.47	0.0344
so2avl02	7.8	-0.005083	0.003241	-3.89	-8.53	0.99	-4.96	-10.81	1.28	0.1170
so2avl03	7.2	-0.004710	0.003511	-3.33	-8.01	1.58	-4.60	-10.95	2.20	0.1800
so4avl01	5.8	0.003440	0.003967	2.02	-2.48	6.72	3.50	-4.24	11.87	0.3860
so4avl02	5.2	0.003092	0.004153	1.62	-2.59	6.01	3.14	-4.92	11.89	0.4570
so4avl03	4.8	0.003394	0.004303	1.64	-2.39	5.84	3.45	-4.91	12.56	0.4300
so4avl04	4.7	0.002863	0.004453	1.35	-2.72	5.60	2.90	-5.70	12.29	0.5200
so4avl05	4.7	0.002762	0.004552	1.31	-2.85	5.64	2.80	-5.97	12.39	0.5440
com8l01	1.0	-0.017176	0.018650	-1.62	-4.98	1.86	-0.17	-0.54	0.19	0.3570
com8l02	0.9	-0.017690	0.020963	-1.58	-5.15	2.13	-0.18	-0.59	0.23	0.3990
com8l03	0.9	-0.022775	0.023278	-1.96	-5.78	2.01	-0.23	-0.68	0.23	0.3280
pm10avl01	24.4	-0.001393	0.001007	-3.34	-7.89	1.43	-1.38	-3.31	0.58	0.1670
pm10avl02	24.2	-0.001431	0.001091	-3.40	-8.28	1.73	-1.42	-3.51	0.71	0.1900
pm10avl03	23.0	-0.001397	0.001161	-3.16	-8.10	2.04	-1.39	-3.61	0.88	0.2290
pm10avl04	21.9	-0.001493	0.001228	-3.22	-8.19	2.02	-1.48	-3.83	0.92	0.2250
pm10avl05	21.2	-0.001511	0.001292	-3.15	-8.22	2.19	-1.50	-3.96	1.03	0.2430
smkavl01	16.7	-0.001648	0.001567	-2.71	-7.58	2.40	-1.63	-4.61	1.43	0.2930
smkavl02	14.8	-0.002048	0.001729	-2.98	-7.73	2.01	-2.03	-5.29	1.35	0.2370
smkavl03	14.2	-0.002620	0.001889	-3.65	-8.59	1.55	-2.59	-6.13	1.09	0.1660
smkavl04	13.8	-0.002867	0.002032	-3.88	-9.02	1.55	-2.83	-6.62	1.12	0.1590
smkavl05	13.1	-0.002422	0.002164	-3.12	-8.36	2.41	-2.39	-6.45	1.84	0.2630
pfravl01	10.6	-0.001260	0.002138	-1.33	-5.61	3.16	-1.25	-5.30	2.97	0.5560
pfravl02	9.9	-0.001894	0.002351	-1.86	-6.23	2.72	-1.88	-6.29	2.75	0.4210
pfravl03	9.8	-0.002060	0.002555	-2.00	-6.69	2.93	-2.04	-6.82	2.99	0.4200
pfravl04	9.6	-0.002655	0.002739	-2.52	-7.41	2.64	-2.62	-7.71	2.75	0.3330
pfravl05	9.4	-0.002292	0.002895	-2.13	-7.22	3.23	-2.27	-7.66	3.44	0.4290
sfravl01	13.9	0.001427	0.001646	2.00	-2.47	6.68	1.44	-1.78	4.76	0.3860
sfravl02	12.5	0.001265	0.001723	1.59	-2.60	5.97	1.27	-2.09	4.75	0.4630
sfravl03	11.5	0.001397	0.001785	1.62	-2.39	5.79	1.41	-2.08	5.02	0.4340
sfravl04	11.2	0.001197	0.001891	1.35	-2.77	5.65	1.20	-2.48	5.03	0.5270
sfravl05	10.5	0.001169	0.001966	1.23	-2.78	5.42	1.18	-2.65	5.15	0.5520
pm25avl01	17.7	-0.000936	0.001496	-1.64	-6.62	3.60	-0.93	-3.79	2.02	0.5320
pm25avl02	17.4	-0.001009	0.001598	-1.74	-6.95	3.76	-1.00	-4.06	2.15	0.5280
pm25avl03	16.7	-0.000906	0.001708	-1.50	-6.86	4.16	-0.90	-4.17	2.47	0.5960
pm25avl04	16.0	-0.001272	0.001819	-2.01	-7.45	3.74	-1.26	-4.72	2.32	0.4850
pm25avl05	15.7	-0.001135	0.001922	-1.77	-7.41	4.22	-1.13	-4.78	2.67	0.5550
pmcoarsem01	9.6	-0.008928	0.003369	-8.21	-13.85	-2.20	-8.54	-14.39	-2.30	0.0082
pmcoarsem02	9.2	-0.008820	0.003739	-7.79	-13.80	-1.36	-8.44	-14.91	-1.48	0.0186
pmcoarsem03	8.8	-0.010514	0.004029	-8.83	-14.95	-2.27	-9.98	-16.82	-2.58	0.0093
pmcoarsem04	8.5	-0.010993	0.004317	-8.92	-15.24	-2.12	-10.41	-17.68	-2.50	0.0111
pmcoarsem05	8.1	-0.010892	0.004594	-8.44	-14.88	-1.51	-10.32	-18.04	-1.87	0.0180
pm10avl01*	24.7	-0.00123	0.001114	-2.99	-8.09	2.38	-1.22	-3.36	0.96	0.2700
pm10avl02*	24.7	-0.00136	0.001204	-3.29	-8.77	2.51	-1.35	-3.65	1.01	0.2600
pm10avl03*	23.1	-0.00152	0.001285	-3.44	-8.9	2.34	-1.51	-3.96	1.01	0.2380
pm10avl04*	21.9	-0.00178	0.001365	-3.81	-9.29	1.99	-1.76	-4.35	0.9	0.1940
pm10avl05*	21	-0.00169	0.001439	-3.49	-9.04	2.4	-1.68	-4.41	1.14	0.2410

Table 21 All Respiratory All Ages Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.000776	0.000337	2.26	0.33	4.22	0.78	0.12	1.45	0.0216
no2mxl1	28.8	0.000204	0.000341	0.59	-1.33	2.55	0.20	-0.46	0.88	0.5500
no2mxl2	28.8	0.000124	0.000347	0.36	-1.59	2.34	0.12	-0.55	0.81	0.7210
no2mxl3	28.8	0.000062	0.000330	0.18	-1.67	2.06	0.06	-0.58	0.71	0.8500
o3m8l0	30.8	-0.001126	0.000470	-3.41	-6.11	-0.63	-1.12	-2.03	-0.20	0.0169
o3m8l1	30.8	-0.000113	0.000513	-0.35	-3.39	2.79	-0.11	-1.11	0.90	0.8260
o3m8l2	30.8	0.000166	0.000522	0.51	-2.61	3.73	0.17	-0.85	1.20	0.7510
o3m8l3	30.8	-0.000681	0.000482	-2.08	-4.89	0.82	-0.68	-1.61	0.26	0.1580
so2avl0	9.0	0.001625	0.001031	1.47	-0.36	3.34	1.64	-0.39	3.71	0.1150
so2avl1	9.0	0.000679	0.001054	0.61	-1.24	2.50	0.68	-1.38	2.78	0.5190
so2avl2	9.0	-0.000058	0.001055	-0.05	-1.90	1.83	-0.06	-2.10	2.03	0.9560
so2avl3	9.0	0.000493	0.001034	0.44	-1.37	2.29	0.49	-1.52	2.55	0.6340
so4avl0	6.4	0.001660	0.001689	1.07	-1.05	3.23	1.67	-1.64	5.10	0.3260
so4avl1	6.4	0.000443	0.001706	0.28	-1.84	2.45	0.44	-2.86	3.86	0.7950
so4avl2	6.4	0.002147	0.001682	1.38	-0.73	3.54	2.17	-1.14	5.59	0.2020
so4avl3	6.4	-0.001447	0.001690	-0.92	-3.00	1.20	-1.44	-4.65	1.88	0.3920
com8l0	1.0	0.008422	0.006544	0.85	-0.44	2.15	0.08	-0.04	0.21	0.1980
com8l1	1.0	-0.004852	0.006610	-0.48	-1.76	0.81	-0.05	-0.18	0.08	0.4630
com8l2	1.0	0.002692	0.006906	0.27	-1.08	1.64	0.03	-0.11	0.16	0.6970
com8l3	1.0	0.002011	0.006778	0.20	-1.12	1.54	0.02	-0.11	0.15	0.7670
pm10avl0	26.9	0.000568	0.000395	1.54	-0.55	3.68	0.57	-0.21	1.35	0.1510
pm10avl1	26.9	0.000335	0.000393	0.91	-1.16	3.02	0.34	-0.43	1.11	0.3940
pm10avl2	26.9	-0.000123	0.000390	-0.33	-2.36	1.74	-0.12	-0.88	0.64	0.7530
pm10avl3	26.9	-0.000063	0.000387	-0.17	-2.19	1.89	-0.06	-0.82	0.70	0.8700
smkavl0	18.5	0.001461	0.000563	2.74	0.66	4.86	1.47	0.36	2.60	0.0097
smkavl1	18.5	0.000300	0.000567	0.56	-1.49	2.65	0.30	-0.81	1.42	0.5970
smkavl2	18.5	0.000109	0.000572	0.20	-1.86	2.30	0.11	-1.01	1.24	0.8490
smkavl3	18.5	-0.000181	0.000572	-0.33	-2.38	1.76	-0.18	-1.29	0.95	0.7520
pfravl0	11.6	0.001962	0.000749	2.30	0.57	4.06	1.98	0.49	3.49	0.0090
pfravl1	11.6	0.000391	0.000749	0.45	-1.24	2.18	0.39	-1.07	1.88	0.6020
pfravl2	11.6	0.000101	0.000769	0.12	-1.62	1.88	0.10	-1.40	1.62	0.8960
pfravl3	11.6	0.000777	0.000763	0.91	-0.83	2.67	0.78	-0.71	2.30	0.3080
sfravl0	15.3	0.000692	0.000701	1.06	-1.04	3.21	0.69	-0.68	2.09	0.3240
sfravl1	15.3	0.000160	0.000708	0.25	-1.86	2.40	0.16	-1.22	1.56	0.8210
sfravl2	15.3	0.000849	0.000698	1.31	-0.79	3.45	0.85	-0.52	2.24	0.2250
sfravl3	15.3	-0.000595	0.000701	-0.91	-2.97	1.20	-0.59	-1.95	0.78	0.3960
pm25avl0	19.8	0.000673	0.000563	1.34	-0.85	3.58	0.68	-0.43	1.79	0.2320
pm25avl1	19.8	0.000313	0.000566	0.62	-1.57	2.86	0.31	-0.79	1.43	0.5810
pm25avl2	19.8	-0.000172	0.000553	-0.34	-2.46	1.82	-0.17	-1.25	0.92	0.7550
pm25avl3	19.8	-0.000530	0.000558	-1.04	-3.16	1.12	-0.53	-1.61	0.57	0.3430
pmcoarse	11.1	-0.000145	0.001274	-0.16	-2.89	2.64	-0.14	-2.61	2.38	0.9090
pmcoarse1	11.1	0.000857	0.001290	0.95	-1.83	3.82	0.86	-1.66	3.44	0.5070
pmcoarse2	11.1	-0.000128	0.001288	-0.14	-2.9	2.69	-0.13	-2.62	2.43	0.9210
pmcoarse3	11.1	-0.001690	0.001266	-1.85	-4.52	0.88	-1.68	-4.08	0.79	0.1820
pm10avl0*	26.6	0.000516	0.000421	1.38	-0.82	3.63	0.52	-0.31	1.35	0.2210
pm10avl1*	26.6	0.000359	0.000425	0.96	-1.25	3.22	0.36	-0.47	1.2	0.3990
pm10avl2*	26.6	-0.000054	0.000418	-0.14	-2.3	2.06	-0.05	-0.87	0.77	0.8970
pm10avl3*	26.6	-0.000247	0.000420	-0.65	-2.8	1.54	-0.25	-1.06	0.58	0.5570

Table 22 All Respiratory All Ages Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000661	0.000384	1.70	-0.23	3.67	0.66	-0.09	1.42	0.0855
no2mxl02	23.5	0.000601	0.000427	1.42	-0.55	3.43	0.60	-0.24	1.45	0.1600
no2mxl03	21.8	0.000567	0.000465	1.24	-0.75	3.27	0.57	-0.34	1.49	0.2230
o3m8l01	28.6	-0.000852	0.000545	-2.41	-5.34	0.62	-0.85	-1.90	0.22	0.1180
o3m8l02	27.9	-0.000658	0.000607	-1.82	-5.02	1.49	-0.66	-1.83	0.53	0.2780
o3m8l03	26.8	-0.000969	0.000646	-2.56	-5.82	0.80	-0.96	-2.21	0.30	0.1340
so2avl01	8.5	0.001536	0.001192	1.31	-0.68	3.35	1.55	-0.80	3.95	0.1980
so2avl02	7.8	0.001244	0.001336	0.98	-1.07	3.06	1.25	-1.36	3.94	0.3520
so2avl03	7.2	0.001365	0.001450	0.99	-1.06	3.08	1.37	-1.47	4.30	0.3470
so4avl01	5.8	0.001382	0.001809	0.81	-1.25	2.90	1.39	-2.14	5.05	0.4450
so4avl02	5.2	0.002058	0.001882	1.08	-0.84	3.03	2.08	-1.62	5.91	0.2740
so4avl03	4.8	0.001063	0.001963	0.51	-1.33	2.39	1.07	-2.75	5.03	0.5880
so4avl04	4.7	-0.000382	0.002039	-0.18	-2.04	1.71	-0.38	-4.28	3.68	0.8510
so4avl05	4.7	-0.001861	0.002090	-0.87	-2.76	1.06	-1.84	-5.78	2.26	0.3740
com8l01	1.0	0.003274	0.007546	0.31	-1.09	1.73	0.03	-0.12	0.18	0.6650
com8l02	0.9	0.004158	0.008538	0.37	-1.13	1.90	0.04	-0.13	0.21	0.6260
com8l03	0.9	0.005079	0.009503	0.44	-1.17	2.08	0.05	-0.14	0.24	0.5930
pm10avl01	24.4	0.000589	0.000443	1.45	-0.68	3.62	0.59	-0.28	1.47	0.1840
pm10avl02	24.2	0.000408	0.000481	0.99	-1.28	3.32	0.41	-0.53	1.36	0.3960
pm10avl03	23.0	0.000323	0.000514	0.75	-1.56	3.11	0.32	-0.68	1.34	0.5300
pm10avl04	21.9	0.000223	0.000545	0.49	-1.83	2.87	0.22	-0.84	1.30	0.6820
pm10avl05	21.2	0.000285	0.000573	0.61	-1.76	3.03	0.29	-0.83	1.42	0.6190
smkavl01	16.7	0.001213	0.000647	2.05	-0.09	4.23	1.22	-0.05	2.51	0.0612
smkavl02	14.8	0.001055	0.000716	1.57	-0.51	3.71	1.06	-0.35	2.49	0.1410
smkavl03	14.2	0.000844	0.000784	1.21	-0.98	3.44	0.85	-0.69	2.41	0.2820
smkavl04	13.8	0.000739	0.000846	1.03	-1.26	3.36	0.74	-0.91	2.43	0.3820
smkavl05	13.1	0.001218	0.000900	1.61	-0.71	3.99	1.23	-0.55	3.03	0.1760
pfravl01	10.6	0.001536	0.000865	1.64	-0.17	3.48	1.55	-0.16	3.28	0.0760
pfravl02	9.9	0.001332	0.000956	1.33	-0.54	3.23	1.34	-0.54	3.26	0.1640
pfravl03	9.8	0.001487	0.001042	1.47	-0.54	3.52	1.50	-0.55	3.59	0.1540
pfravl04	9.6	0.001332	0.001113	1.29	-0.81	3.43	1.34	-0.85	3.58	0.2320
pfravl05	9.4	0.001844	0.001180	1.75	-0.44	3.98	1.86	-0.47	4.24	0.1180
sfravl01	13.9	0.000550	0.000751	0.77	-1.27	2.85	0.55	-0.92	2.04	0.4640
sfravl02	12.5	0.000840	0.000780	1.06	-0.86	3.01	0.84	-0.69	2.40	0.2820
sfravl03	11.5	0.000442	0.000814	0.51	-1.32	2.37	0.44	-1.15	2.06	0.5870
sfravl04	11.2	0.000079	0.000865	0.09	-1.79	2.01	0.08	-1.60	1.79	0.9270
sfravl05	10.5	-0.000156	0.000898	-0.16	-1.99	1.70	-0.16	-1.90	1.62	0.8620
pm25avl01	17.7	0.000696	0.000620	1.24	-0.92	3.44	0.7	-0.52	1.93	0.2620
pm25avl02	17.4	0.000393	0.000665	0.69	-1.57	3	0.39	-0.91	1.71	0.5550
pm25avl03	16.7	0.000134	0.000713	0.22	-2.09	2.59	0.13	-1.26	1.54	0.8510
pm25avl04	16.0	0.000060	0.000759	0.1	-2.26	2.51	0.06	-1.42	1.56	0.9370
pm25avl05	15.7	0.000388	0.000808	0.61	-1.86	3.14	0.39	-1.19	1.99	0.6310
pmcoarsem01	9.6	0.000234	0.001479	0.22	-2.52	3.05	0.23	-2.63	3.18	0.8740
pmcoarsem02	9.2	0.000273	0.001652	0.25	-2.69	3.28	0.27	-2.92	3.57	0.8690
pmcoarsem03	8.8	-0.000956	0.001791	-0.83	-3.85	2.27	-0.95	-4.37	2.59	0.5940
pmcoarsem04	8.5	-0.001439	0.001936	-1.21	-4.35	2.02	-1.43	-5.1	2.38	0.4580
pmcoarsem05	8.1	-0.002008	0.002074	-1.61	-4.8	1.68	-1.99	-5.89	2.08	0.3330
pm10avl01*	24.7	0.000569	0.000471	1.41	-0.87	3.76	0.57	-0.35	1.5	0.228
pm10avl02*	24.7	0.000431	0.000511	1.07	-1.4	3.6	0.43	-0.57	1.44	0.399
pm10avl03*	23.1	0.000242	0.000547	0.56	-1.9	3.08	0.24	-0.83	1.32	0.659
pm10avl04*	21.9	0.000023	0.000582	0.05	-2.42	2.58	0.02	-1.11	1.17	0.968
pm10avl05*	21	0.000224	0.000616	0.47	-2.04	3.05	0.22	-0.98	1.44	0.716

Table 23 All Respiratory Ages 0-14 Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.001186	0.000504	3.48	0.57	6.46	1.19	0.20	2.20	0.0189
no2mxl1	28.8	0.000113	0.000529	0.33	-2.62	3.36	0.11	-0.92	1.16	0.8300
no2mxl2	28.8	0.000224	0.000536	0.65	-2.35	3.74	0.22	-0.82	1.28	0.6760
no2mxl3	28.8	-0.000293	0.000516	-0.84	-3.69	2.09	-0.29	-1.30	0.72	0.5700
o3m8l0	30.8	-0.001609	0.000762	-4.83	-9.11	-0.35	-1.60	-3.05	-0.11	0.0351
o3m8l1	30.8	-0.001316	0.000818	-3.97	-8.60	0.89	-1.31	-2.88	0.29	0.1080
o3m8l2	30.8	-0.000435	0.000836	-1.33	-6.19	3.78	-0.43	-2.05	1.21	0.6030
o3m8l3	30.8	-0.001272	0.000772	-3.84	-8.22	0.75	-1.26	-2.75	0.24	0.1000
so2avl0	9.0	0.004489	0.001617	4.12	1.19	7.14	4.59	1.33	7.96	0.0056
so2avl1	9.0	0.003427	0.001601	3.13	0.26	6.09	3.49	0.29	6.78	0.0326
so2avl2	9.0	0.002293	0.001677	2.09	-0.89	5.15	2.32	-0.99	5.74	0.1720
so2avl3	9.0	0.001636	0.001590	1.48	-1.32	4.37	1.65	-1.47	4.87	0.3040
so4avl0	6.4	0.003454	0.002652	2.23	-1.11	5.69	3.51	-1.73	9.04	0.1930
so4avl1	6.4	0.000705	0.002695	0.45	-2.89	3.91	0.71	-4.47	6.17	0.7940
so4avl2	6.4	0.000303	0.002686	0.19	-3.13	3.63	0.30	-4.84	5.73	0.9100
so4avl3	6.4	-0.004997	0.002703	-3.15	-6.38	0.19	-4.87	-9.78	0.30	0.0649
com8l0	1.0	0.020088	0.009602	2.03	0.13	3.97	0.20	0.01	0.39	0.0367
com8l1	1.0	0.000986	0.010037	0.10	-1.85	2.09	0.01	-0.19	0.21	0.9220
com8l2	1.0	0.012162	0.010293	1.22	-0.80	3.29	0.12	-0.08	0.32	0.2380
com8l3	1.0	-0.002424	0.010428	-0.24	-2.26	1.82	-0.02	-0.23	0.18	0.8160
pm10avl0	26.9	0.001709	0.000604	4.70	1.42	8.09	1.72	0.53	2.93	0.0048
pm10avl1	26.9	0.000648	0.000611	1.76	-1.47	5.09	0.65	-0.55	1.86	0.2890
pm10avl2	26.9	-0.000043	0.000621	-0.11	-3.33	3.21	-0.04	-1.25	1.18	0.9450
pm10avl3	26.9	-0.000446	0.000612	-1.19	-4.33	2.05	-0.45	-1.63	0.76	0.4660
smkavl0	18.5	0.002841	0.000839	5.40	2.24	8.65	2.88	1.20	4.59	0.0007
smkavl1	18.5	0.000460	0.000864	0.85	-2.26	4.06	0.46	-1.23	2.18	0.5950
smkavl2	18.5	0.000687	0.000883	1.28	-1.91	4.57	0.69	-1.04	2.45	0.4370
smkavl3	18.5	0.000113	0.000880	0.21	-2.94	3.46	0.11	-1.60	1.85	0.8980
pfravl0	11.6	0.003064	0.001110	3.62	1.04	6.27	3.11	0.89	5.38	0.0059
pfravl1	11.6	0.000533	0.001157	0.62	-1.99	3.30	0.53	-1.72	2.84	0.6450
pfravl2	11.6	0.001482	0.001168	1.73	-0.93	4.47	1.49	-0.80	3.84	0.2050
pfravl3	11.6	0.001219	0.001158	1.42	-1.21	4.13	1.23	-1.05	3.55	0.2930
sfravl0	15.3	0.001452	0.001100	2.25	-1.07	5.68	1.46	-0.70	3.67	0.1870
sfravl1	15.3	0.000252	0.001118	0.39	-2.92	3.81	0.25	-1.92	2.47	0.8220
sfravl2	15.3	0.000088	0.001115	0.13	-3.16	3.54	0.09	-2.08	2.30	0.9370
sfravl3	15.3	-0.002076	0.001122	-3.13	-6.33	0.19	-2.06	-4.19	0.12	0.0646
pm25avl0	19.8	0.002435	0.000878	4.94	1.42	8.58	2.46	0.72	4.24	0.0057
pm25avl1	19.8	0.000248	0.000913	0.49	-3.00	4.12	0.25	-1.53	2.06	0.7860
pm25avl2	19.8	-0.000708	0.000908	-1.39	-4.81	2.15	-0.71	-2.46	1.08	0.4360
pm25avl3	19.8	-0.001131	0.000896	-2.21	-5.56	1.25	-1.12	-2.85	0.63	0.2070
pmcoarse	11.1	0.003946	0.002131	-0.16	-2.89	2.64	4.02	-0.23	8.46	0.0646
pmcoarse1	11.1	0.002729	0.002134	0.95	-1.83	3.82	2.77	-1.44	7.16	0.2010
pmcoarse2	11.1	0.001169	0.002113	-0.14	-2.90	2.69	1.18	-2.93	5.45	0.5800
pmcoarse3	11.1	-0.001891	0.002107	-1.85	-4.52	0.88	-1.87	-5.84	2.26	0.3700
pm10avl0*	26.6	0.001854	0.000662	5.05	1.49	8.74	1.87	0.56	3.2	0.0052
pm10avl1*	26.6	0.000720	0.000685	1.93	-1.64	5.64	0.72	-0.62	2.09	0.2940
pm10avl2*	26.6	-0.000022	0.000684	-0.06	-3.56	3.57	-0.02	-1.35	1.33	0.9740
pm10avl3*	26.6	-0.000595	0.000675	-1.57	-4.98	1.96	-0.59	-1.9	0.73	0.3780

Table 24 All Respiratory Ages 0-14 Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000900	0.000570	2.32	-0.55	5.28	0.90	-0.22	2.04	0.1150
no2mxl02	23.5	0.000877	0.000647	2.08	-0.91	5.17	0.88	-0.39	2.17	0.1760
no2mxl03	21.8	0.000644	0.000715	1.41	-1.64	4.56	0.65	-0.75	2.07	0.3680
o3m8l01	28.6	-0.001867	0.000873	-5.20	-9.73	-0.45	-1.85	-3.51	-0.16	0.0328
o3m8l02	27.9	-0.001841	0.000973	-5.01	-9.93	0.19	-1.82	-3.68	0.07	0.0589
o3m8l03	26.8	-0.002300	0.001037	-5.98	-10.96	-0.71	-2.27	-4.24	-0.27	0.0269
so2avl01	8.5	0.005269	0.001839	4.58	1.42	7.84	5.41	1.68	9.28	0.0043
so2avl02	7.8	0.005609	0.002057	4.47	1.24	7.81	5.77	1.59	10.12	0.0065
so2avl03	7.2	0.005952	0.002250	4.38	1.12	7.75	6.13	1.55	10.92	0.0083
so4avl01	5.8	0.002642	0.002848	1.54	-1.69	4.89	2.68	-2.90	8.57	0.3540
so4avl02	5.2	0.002098	0.003000	1.10	-1.95	4.24	2.12	-3.71	8.30	0.4840
so4avl03	4.8	-0.000265	0.003134	-0.13	-3.03	2.86	-0.26	-6.21	6.05	0.9330
so4avl04	4.7	-0.001415	0.003253	-0.66	-3.60	2.36	-1.40	-7.50	5.09	0.6640
so4avl05	4.7	-0.003001	0.003347	-1.40	-4.39	1.69	-2.96	-9.12	3.62	0.3700
com8l01	1.0	0.015761	0.010987	1.51	-0.55	3.61	0.16	-0.06	0.37	0.1520
com8l02	0.9	0.020847	0.012561	1.89	-0.34	4.18	0.21	-0.04	0.46	0.0974
com8l03	0.9	0.019241	0.014232	1.69	-0.75	4.19	0.19	-0.09	0.47	0.1770
pm10avl01	24.4	0.001569	0.000682	3.90	0.57	7.35	1.58	0.23	2.95	0.0216
pm10avl02	24.2	0.001260	0.000751	3.10	-0.51	6.83	1.27	-0.21	2.77	0.0937
pm10avl03	23.0	0.000852	0.000805	1.98	-1.66	5.75	0.86	-0.72	2.46	0.2900
pm10avl04	21.9	0.000849	0.000853	1.88	-1.79	5.68	0.85	-0.82	2.55	0.3200
pm10avl05	21.2	0.000815	0.000899	1.74	-1.99	5.62	0.82	-0.94	2.61	0.3650
smkavl01	16.7	0.002293	0.000968	3.90	0.66	7.25	2.32	0.40	4.28	0.0180
smkavl02	14.8	0.002397	0.001075	3.61	0.43	6.89	2.43	0.29	4.61	0.0260
smkavl03	14.2	0.002191	0.001186	3.16	-0.19	6.62	2.21	-0.13	4.62	0.0652
smkavl04	13.8	0.002456	0.001284	3.45	-0.08	7.10	2.49	-0.06	5.10	0.0561
smkavl05	13.1	0.003265	0.001368	4.37	0.77	8.10	3.32	0.58	6.13	0.0173
pfravl01	10.6	0.002649	0.001297	2.85	0.11	5.66	2.68	0.11	5.33	0.0415
pfravl02	9.9	0.003186	0.001433	3.20	0.37	6.11	3.24	0.38	6.18	0.0265
pfravl03	9.8	0.003309	0.001564	3.30	0.24	6.45	3.36	0.24	6.58	0.0347
pfravl04	9.6	0.003723	0.001687	3.64	0.40	6.98	3.79	0.42	7.28	0.0276
pfravl05	9.4	0.004142	0.001798	3.97	0.58	7.47	4.23	0.62	7.97	0.0215
sfravl01	13.9	0.001074	0.001182	1.50	-1.71	4.83	1.08	-1.23	3.45	0.3640
sfravl02	12.5	0.000873	0.001244	1.10	-1.94	4.23	0.88	-1.55	3.37	0.4830
sfravl03	11.5	-0.000103	0.001300	-0.12	-3.00	2.85	-0.10	-2.62	2.47	0.9370
sfravl04	11.2	-0.000322	0.001380	-0.36	-3.33	2.71	-0.32	-2.98	2.41	0.8160
sfravl05	10.5	-0.000577	0.001433	-0.60	-3.49	2.37	-0.58	-3.33	2.26	0.6870
pm25avl01	17.7	0.001898	0.000984	3.42	-0.05	7.01	1.92	-0.03	3.90	0.0542
pm25avl02	17.4	0.001152	0.001077	2.03	-1.65	5.84	1.16	-0.95	3.32	0.2850
pm25avl03	16.7	0.000418	0.001156	0.70	-3.04	4.58	0.42	-1.83	2.72	0.7180
pm25avl04	16.0	0.000121	0.001231	0.19	-3.60	4.14	0.12	-2.27	2.57	0.9210
pm25avl05	15.7	0.000586	0.001302	0.92	-3.04	5.05	0.59	-1.95	3.19	0.6530
pmcoarsem01	9.6	0.004510	0.002472	4.42	-0.32	9.39	4.61	-0.33	9.81	0.0685
pmcoarsem02	9.2	0.004975	0.002729	4.68	-0.34	9.96	5.10	-0.37	10.88	0.0687
pmcoarsem03	8.8	0.003301	0.002963	2.94	-2.18	8.34	3.36	-2.48	9.54	0.2660
pmcoarsem04	8.5	0.001809	0.003198	1.54	-3.71	7.10	1.83	-4.36	8.41	0.5720
pmcoarsem05	8.1	0.000993	0.003425	0.80	-4.52	6.44	1.00	-5.56	8.01	0.7720
pm10avl01*	24.7	0.001628	0.000752	4.1	0.38	7.96	1.64	0.15	3.15	0.0309
pm10avl02*	24.7	0.001309	0.000824	3.29	-0.75	7.49	1.32	-0.31	2.97	0.1130
pm10avl03*	23.1	0.000799	0.000886	1.86	-2.14	6.03	0.8	-0.93	2.57	0.3670
pm10avl04*	21.9	0.000484	0.000944	1.06	-2.95	5.24	0.48	-1.36	2.36	0.6090
pm10avl05*	21	0.000605	0.000997	1.28	-2.79	5.52	0.61	-1.34	2.59	0.5440

Table 25 All Respiratory Ages 15-64 Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.000073	0.000671	0.21	-3.52	4.08	0.07	-1.24	1.40	0.9140
no2mxl1	28.8	-0.000078	0.000673	-0.23	-3.95	3.64	-0.08	-1.39	1.25	0.9080
no2mxl2	28.8	-0.000431	0.000684	-1.23	-4.98	2.66	-0.43	-1.76	0.91	0.5290
no2mxl3	28.8	-0.000639	0.000679	-1.82	-5.51	2.01	-0.64	-1.95	0.69	0.3470
o3m8l0	30.8	-0.001610	0.000851	-4.84	-9.60	0.18	-1.60	-3.22	0.06	0.0588
o3m8l1	30.8	0.000020	0.000845	0.06	-4.91	5.30	0.02	-1.62	1.69	0.9810
o3m8l2	30.8	0.001189	0.000837	3.73	-1.38	9.11	1.20	-0.45	2.87	0.1560
o3m8l3	30.8	-0.000518	0.000828	-1.58	-6.38	3.47	-0.52	-2.12	1.11	0.5320
so2avl0	9.0	0.000908	0.002123	0.82	-2.88	4.67	0.91	-3.20	5.20	0.6690
so2avl1	9.0	-0.002480	0.002182	-2.21	-5.90	1.63	-2.45	-6.53	1.81	0.2560
so2avl2	9.0	-0.005720	0.002248	-5.02	-8.71	-1.18	-5.56	-9.63	-1.30	0.0111
so2avl3	9.0	-0.006130	0.002264	-5.37	-9.07	-1.51	-5.95	-10.03	-1.68	0.0069
so4avl0	6.4	0.003404	0.003299	2.20	-1.94	6.52	3.46	-3.02	10.37	0.3020
so4avl1	6.4	-0.002135	0.003344	-1.36	-5.41	2.87	-2.11	-8.32	4.52	0.5230
so4avl2	6.4	-0.000371	0.003301	-0.24	-4.28	3.98	-0.37	-6.61	6.29	0.9110
so4avl3	6.4	-0.002239	0.003314	-1.42	-5.44	2.76	-2.21	-8.36	4.35	0.5000
com8l0	1.0	-0.005370	0.014000	-0.54	-3.23	2.23	-0.05	-0.33	0.22	0.7010
com8l1	1.0	-0.005140	0.013719	-0.51	-3.15	2.20	-0.05	-0.32	0.22	0.7080
com8l2	1.0	-0.021069	0.014487	-2.08	-4.83	0.74	-0.21	-0.49	0.07	0.1460
com8l3	1.0	-0.024218	0.014577	-2.39	-5.14	0.44	-0.24	-0.53	0.04	0.0970
pm10avl0	26.9	0.000263	0.000780	0.71	-3.35	4.94	0.26	-1.26	1.81	0.7360
pm10avl1	26.9	-0.000192	0.000776	-0.52	-4.50	3.64	-0.19	-1.70	1.34	0.8040
pm10avl2	26.9	-0.001318	0.000780	-3.48	-7.37	0.57	-1.31	-2.81	0.21	0.0916
pm10avl3	26.9	-0.001509	0.000786	-3.98	-7.88	0.09	-1.50	-3.00	0.03	0.0554
smkavl0	18.5	0.000424	0.001162	0.79	-3.37	5.13	0.42	-1.84	2.74	0.7160
smkavl1	18.5	0.000606	0.001145	1.13	-2.98	5.41	0.61	-1.62	2.89	0.5970
smkavl2	18.5	-0.001294	0.001161	-2.36	-6.39	1.83	-1.29	-3.51	0.99	0.2650
smkavl3	18.5	-0.002873	0.001180	-5.18	-9.15	-1.03	-2.83	-5.05	-0.56	0.0152
pfravl0	11.6	0.001194	0.001547	1.39	-2.11	5.02	1.20	-1.82	4.32	0.4410
pfravl1	11.6	0.001492	0.001504	1.75	-1.67	5.28	1.50	-1.45	4.54	0.3220
pfravl2	11.6	-0.001642	0.001571	-1.89	-5.33	1.68	-1.63	-4.61	1.45	0.2960
pfravl3	11.6	-0.003029	0.001617	-3.45	-6.94	0.16	-2.98	-6.01	0.14	0.0614
sfravl0	15.3	0.001435	0.001368	2.22	-1.89	6.50	1.45	-1.24	4.20	0.2940
sfravl1	15.3	-0.000891	0.001388	-1.35	-5.37	2.84	-0.89	-3.55	1.85	0.5210
sfravl2	15.3	-0.000203	0.001371	-0.31	-4.32	3.87	-0.20	-2.85	2.52	0.8820
sfravl3	15.3	-0.000919	0.001375	-1.40	-5.38	2.75	-0.91	-3.55	1.79	0.5040
pm25avl0	19.8	-0.001187	0.001184	-2.32	-6.71	2.27	-1.18	-3.45	1.14	0.3200
pm25avl1	19.8	-0.000699	0.001169	-1.37	-5.75	3.20	-0.70	-2.95	1.61	0.5500
pm25avl2	19.8	-0.001305	0.001164	-2.55	-6.86	1.95	-1.30	-3.52	0.98	0.2600
pm25avl3	19.8	-0.002029	0.001175	-3.94	-8.22	0.54	-2.01	-4.24	0.27	0.0800
pmcoarse	11.1	-0.003080	0.002511	-3.36	-8.49	2.06	-3.03	-7.69	1.86	0.2200
pmcoarse1	11.1	-0.003581	0.002511	-3.89	-9.00	1.49	-3.52	-8.15	1.35	0.1500
pmcoarse2	11.1	-0.005521	0.002552	-5.94	-11.02	-0.57	-5.37	-9.99	-0.52	0.0300
pmcoarse3	11.1	-0.005340	0.002542	-5.75	-10.82	-0.39	-5.20	-9.81	-0.36	0.0400
pm10avl0*	26.6	-0.000560	0.000865	-1.48	-5.82	3.07	-0.56	-2.23	1.14	0.5180
pm10avl1*	26.6	-0.001077	0.000868	-2.82	-7.12	1.67	-1.07	-2.74	0.63	0.2150
pm10avl2*	26.6	-0.001477	0.000871	-3.85	-8.12	0.61	-1.47	-3.13	0.23	0.0903
pm10avl3*	26.6	-0.001585	0.000874	-4.13	-8.40	0.34	-1.57	-3.24	0.13	0.0701

Table 26 All Respiratory Ages 15-64 Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	-0.000003	0.000755	-0.01	-3.71	3.84	0.00	-1.47	1.49	0.9970
no2mxl02	23.5	-0.000221	0.000837	-0.52	-4.28	3.39	-0.22	-1.85	1.43	0.7920
no2mxl03	21.8	-0.000501	0.000914	-1.09	-4.87	2.86	-0.50	-2.27	1.30	0.5840
o3m8l01	28.6	-0.000996	0.000924	-2.81	-7.71	2.36	-0.99	-2.77	0.82	0.2820
o3m8l02	27.9	-0.000195	0.000977	-0.54	-5.72	4.92	-0.19	-2.09	1.74	0.8420
o3m8l03	26.8	-0.000407	0.001020	-1.09	-6.25	4.36	-0.41	-2.38	1.61	0.6900
so2avl01	8.5	-0.001001	0.002458	-0.85	-4.83	3.30	-1.00	-5.65	3.89	0.6840
so2avl02	7.8	-0.003846	0.002769	-2.96	-6.98	1.24	-3.77	-8.86	1.59	0.1650
so2avl03	7.2	-0.006386	0.003037	-4.49	-8.50	-0.31	-6.19	-11.61	-0.43	0.0358
so4avl01	5.8	0.000925	0.003533	0.54	-3.42	4.66	0.93	-5.82	8.17	0.7930
so4avl02	5.2	0.000580	0.003691	0.30	-3.40	4.15	0.58	-6.44	8.13	0.8750
so4avl03	4.8	-0.000513	0.003838	-0.25	-3.78	3.42	-0.51	-7.72	7.26	0.8940
so4avl04	4.7	-0.001316	0.003979	-0.62	-4.19	3.09	-1.31	-8.71	6.70	0.7410
so4avl05	4.7	-0.002404	0.004087	-1.12	-4.78	2.67	-2.37	-9.89	5.77	0.5570
com8l01	1.0	-0.007062	0.015784	-0.67	-3.55	2.29	-0.07	-0.38	0.24	0.6550
com8l02	0.9	-0.017377	0.017849	-1.55	-4.60	1.60	-0.17	-0.52	0.18	0.3310
com8l03	0.9	-0.028599	0.019762	-2.46	-5.69	0.89	-0.29	-0.67	0.10	0.1480
pm10avl01	24.4	0.000043	0.000869	0.11	-3.97	4.35	0.04	-1.65	1.76	0.9600
pm10avl02	24.2	-0.000642	0.000946	-1.54	-5.86	2.98	-0.64	-2.46	1.22	0.4980
pm10avl03	23.0	-0.001228	0.001014	-2.79	-7.13	1.76	-1.22	-3.16	0.76	0.2260
pm10avl04	21.9	-0.001511	0.001076	-3.26	-7.62	1.32	-1.50	-3.56	0.60	0.1610
pm10avl05	21.2	-0.001022	0.001131	-2.14	-6.64	2.56	-1.02	-3.19	1.20	0.3660
smkavl01	16.7	0.000692	0.001317	1.16	-3.11	5.62	0.69	-1.87	3.33	0.5990
smkavl02	14.8	-0.000144	0.001453	-0.21	-4.33	4.08	-0.14	-2.95	2.74	0.9210
smkavl03	14.2	-0.001543	0.001587	-2.17	-6.39	2.25	-1.53	-4.55	1.58	0.3310
smkavl04	13.8	-0.001947	0.001705	-2.65	-7.04	1.94	-1.93	-5.15	1.40	0.2540
smkavl05	13.1	-0.001218	0.001811	-1.58	-6.05	3.10	-1.21	-4.66	2.36	0.5010
pfravl01	10.6	0.001851	0.001760	1.98	-1.68	5.78	1.87	-1.59	5.44	0.2930
pfravl02	9.9	0.000562	0.001944	0.56	-3.16	4.42	0.56	-3.20	4.47	0.7720
pfravl03	9.8	-0.001106	0.002132	-1.08	-5.05	3.06	-1.10	-5.15	3.12	0.6040
pfravl04	9.6	-0.001760	0.002291	-1.68	-5.82	2.66	-1.74	-6.06	2.77	0.4430
pfravl05	9.4	-0.001179	0.002430	-1.10	-5.43	3.43	-1.17	-5.77	3.65	0.6280
sfravl01	13.9	0.000373	0.001466	0.52	-3.42	4.62	0.37	-2.47	3.30	0.7990
sfravl02	12.5	0.000228	0.001531	0.29	-3.41	4.12	0.23	-2.74	3.28	0.8820
sfravl03	11.5	-0.000198	0.001592	-0.23	-3.74	3.42	-0.20	-3.26	2.97	0.9010
sfravl04	11.2	-0.000396	0.001689	-0.44	-4.07	3.32	-0.40	-3.64	2.96	0.8150
sfravl05	10.5	-0.000937	0.001764	-0.98	-4.51	2.68	-0.93	-4.30	2.55	0.5950
pm25avl01	17.7	-0.001190	0.001286	-2.08	-6.36	2.38	-1.18	-3.64	1.34	0.3600
pm25avl02	17.4	-0.001812	0.001377	-3.1	-7.55	1.56	-1.8	-4.41	0.89	0.1900
pm25avl03	16.7	-0.002539	0.001477	-4.15	-8.67	0.59	-2.51	-5.29	0.36	0.0900
pm25avl04	16.0	-0.002511	0.001570	-3.94	-8.55	0.91	-2.48	-5.44	0.57	0.1100
pm25avl05	15.7	-0.001487	0.001655	-2.31	-7.16	2.8	-1.48	-4.62	1.77	0.3700
pmcoarsem01	9.6	-0.005247	0.002865	-4.91	-9.9	0.35	-5.11	-10.29	0.37	0.0700
pmcoarsem02	9.2	-0.007722	0.003182	-6.85	-12.05	-1.35	-7.43	-13.03	-1.47	0.0200
pmcoarsem03	8.8	-0.009519	0.003449	-8.03	-13.34	-2.39	-9.08	-15.02	-2.72	0.0100
pmcoarsem04	8.5	-0.009882	0.003716	-8.05	-13.57	-2.18	-9.41	-15.77	-2.57	0.0100
pmcoarsem05	8.1	-0.010432	0.003965	-8.1	-13.7	-2.13	-9.91	-16.64	-2.63	0.0100
pm10avl01*	24.7	-0.00102	0.000959	-2.48	-6.91	2.15	-1.01	-2.86	0.86	0.2890
pm10avl02*	24.7	-0.00154	0.001039	-3.73	-8.45	1.24	-1.53	-3.51	0.5	0.1390
pm10avl03*	23.1	-0.00203	0.001112	-4.57	-9.26	0.36	-2.00	-4.12	0.16	0.0692
pm10avl04*	21.9	-0.00243	0.001184	-5.18	-9.88	-0.24	-2.40	-4.64	-0.11	0.0405
pm10avl05*	21	-0.00186	0.001249	-3.83	-8.65	1.24	-1.84	-4.22	0.59	0.1370

Table 27 All Respiratory Ages 65+ Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.000434	0.000501	1.26	-1.57	4.16	0.44	-0.55	1.43	0.3860
no2mxl1	28.8	0.000148	0.000506	0.43	-2.40	3.33	0.15	-0.84	1.15	0.7710
no2mxl2	28.8	0.000067	0.000516	0.19	-2.68	3.15	0.07	-0.94	1.08	0.8970
no2mxl3	28.8	0.000369	0.000506	1.07	-1.78	3.99	0.37	-0.62	1.37	0.4670
o3m8l0	30.8	-0.000478	0.000714	-1.46	-5.62	2.88	-0.48	-1.86	0.93	0.5040
o3m8l1	30.8	0.000579	0.000722	1.80	-2.54	6.33	0.58	-0.83	2.01	0.4220
o3m8l2	30.8	0.000000	0.000814	0.00	-4.79	5.04	0.00	-1.58	1.61	1.0000
o3m8l3	30.8	-0.000609	0.000735	-1.86	-6.12	2.60	-0.61	-2.03	0.84	0.4080
so2avl0	9.0	-0.001618	0.001608	-1.45	-4.20	1.39	-1.61	-4.66	1.54	0.3140
so2avl1	9.0	-0.001870	0.001623	-1.67	-4.44	1.19	-1.85	-4.93	1.32	0.2500
so2avl2	9.0	-0.000448	0.001609	-0.40	-3.19	2.47	-0.45	-3.54	2.74	0.7810
so2avl3	9.0	0.001076	0.001569	0.97	-1.78	3.81	1.08	-1.98	4.24	0.4930
so4avl0	6.4	-0.003374	0.002716	-2.14	-5.41	1.26	-3.32	-8.33	1.97	0.2150
so4avl1	6.4	-0.000414	0.002671	-0.26	-3.55	3.13	-0.41	-5.49	4.94	0.8770
so4avl2	6.4	0.000884	0.002651	0.57	-2.72	3.97	0.89	-4.22	6.27	0.7390
so4avl3	6.4	-0.000244	0.002631	-0.16	-3.40	3.19	-0.24	-5.26	5.04	0.9260
com8l0	1.0	0.008812	0.010035	0.89	-1.08	2.89	0.09	-0.11	0.29	0.3800
com8l1	1.0	-0.008366	0.010098	-0.83	-2.78	1.15	-0.08	-0.28	0.11	0.4080
com8l2	1.0	0.003014	0.010337	0.30	-1.71	2.35	0.03	-0.17	0.23	0.7710
com8l3	1.0	0.007761	0.010324	0.78	-1.24	2.84	0.08	-0.12	0.28	0.4520
pm10avl0	26.9	-0.000558	0.000611	-1.49	-4.61	1.74	-0.56	-1.74	0.64	0.3620
pm10avl1	26.9	-0.000178	0.000604	-0.48	-3.60	2.74	-0.18	-1.35	1.01	0.7680
pm10avl2	26.9	0.000302	0.000598	0.82	-2.31	4.05	0.30	-0.87	1.49	0.6140
pm10avl3	26.9	0.000663	0.000598	1.80	-1.36	5.06	0.66	-0.51	1.85	0.2680
smkavl0	18.5	0.000405	0.000887	0.75	-2.44	4.05	0.41	-1.32	2.17	0.6480
smkavl1	18.5	-0.000660	0.000880	-1.21	-4.32	1.99	-0.66	-2.36	1.07	0.4530
smkavl2	18.5	-0.000482	0.000879	-0.89	-4.00	2.32	-0.48	-2.18	1.25	0.5840
smkavl3	18.5	-0.000003	0.000896	0.00	-3.20	3.30	0.00	-1.74	1.77	0.9980
pfravl0	11.6	0.000720	0.001184	0.84	-1.84	3.59	0.72	-1.59	3.09	0.5430
pfravl1	11.6	-0.000571	0.001179	-0.66	-3.29	2.04	-0.57	-2.84	1.76	0.6290
pfravl2	11.6	-0.001158	0.001192	-1.33	-3.97	1.38	-1.15	-3.43	1.18	0.3320
pfravl3	11.6	0.001019	0.001196	1.19	-1.53	3.98	1.02	-1.32	3.42	0.3950
sfravl0	15.3	-0.001407	0.001127	-2.13	-5.38	1.23	-1.40	-3.55	0.80	0.2120
sfravl1	15.3	-0.000189	0.001109	-0.29	-3.55	3.08	-0.19	-2.33	2.01	0.8650
sfravl2	15.3	0.000332	0.001101	0.51	-2.75	3.88	0.33	-1.81	2.52	0.7630
sfravl3	15.3	-0.000093	0.001091	-0.14	-3.36	3.18	-0.09	-2.21	2.07	0.9320
pm25avl0	19.8	-0.000964	0.000920	-1.89	-5.33	1.68	-0.96	-2.73	0.84	0.2950
pm25avl1	19.8	-0.000132	0.000902	-0.26	-3.69	3.29	-0.13	-1.88	1.65	0.8840
pm25avl2	19.8	0.000514	0.000887	1.02	-2.40	4.56	0.52	-1.22	2.28	0.5630
pm25avl3	19.8	0.000712	0.000885	1.42	-2.00	4.96	0.71	-1.02	2.48	0.4210
pmcoarse	11.1	-0.001527	0.002020	-1.68	-5.90	2.73	-1.52	-5.34	2.46	0.4500
pmcoarse1	11.1	-0.001343	0.002023	-1.47	-5.72	2.95	-1.33	-5.17	2.66	0.5070
pmcoarse2	11.1	0.000702	0.002018	0.78	-3.54	5.30	0.70	-3.20	4.77	0.7280
pmcoarse3	11.1	0.000210	0.001968	0.23	-3.96	4.61	0.21	-3.58	4.15	0.9150
pm10avl0*	26.6	-0.000617	0.000675	-1.63	-5.03	1.9	-0.61	-1.92	0.71	0.3610
pm10avl1*	26.6	-0.000082	0.000673	-0.22	-3.66	3.34	-0.08	-1.39	1.24	0.9030
pm10avl2*	26.6	0.000253	0.000661	0.67	-2.74	4.21	0.25	-1.04	1.56	0.7020
pm10avl3*	26.6	0.000435	0.000661	1.16	-2.26	4.71	0.44	-0.86	1.75	0.5100

Table 28 All Respiratory Ages 65+ Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000389	0.000565	1.00	-1.82	3.89	0.39	-0.72	1.51	0.4920
no2mxl02	23.5	0.000348	0.000629	0.82	-2.06	3.78	0.35	-0.88	1.59	0.5800
no2mxl03	21.8	0.000506	0.000688	1.11	-1.82	4.12	0.51	-0.84	1.87	0.4620
o3m8l01	28.6	0.000071	0.000791	0.20	-4.14	4.75	0.07	-1.47	1.63	0.9280
o3m8l02	27.9	0.000058	0.000884	0.16	-4.56	5.12	0.06	-1.66	1.81	0.9470
o3m8l03	26.8	-0.000262	0.000940	-0.70	-5.48	4.33	-0.26	-2.08	1.59	0.7810
so2avl01	8.5	-0.002318	0.001839	-1.95	-4.91	1.10	-2.29	-5.75	1.29	0.2080
so2avl02	7.8	-0.002174	0.002037	-1.68	-4.70	1.43	-2.15	-5.98	1.83	0.2860
so2avl03	7.2	-0.001358	0.002201	-0.97	-4.00	2.15	-1.35	-5.51	3.00	0.5370
so4avl01	5.8	-0.002176	0.002879	-1.25	-4.43	2.03	-2.15	-7.52	3.53	0.4500
so4avl02	5.2	-0.001118	0.002999	-0.58	-3.57	2.51	-1.11	-6.76	4.87	0.7090
so4avl03	4.8	-0.001100	0.003097	-0.53	-3.38	2.41	-1.09	-6.92	5.10	0.7230
so4avl04	4.7	-0.002952	0.003216	-1.38	-4.26	1.59	-2.91	-8.84	3.41	0.3590
so4avl05	4.7	-0.004570	0.003292	-2.12	-5.05	0.89	-4.47	-10.44	1.90	0.1660
com8l01	1.0	-0.000094	0.011382	-0.01	-2.11	2.13	0.00	-0.22	0.22	0.9930
com8l02	0.9	0.001266	0.012839	0.11	-2.13	2.41	0.01	-0.24	0.26	0.9210
com8l03	0.9	0.005471	0.014228	0.48	-1.93	2.94	0.05	-0.22	0.33	0.7010
pm10avl01	24.4	-0.000470	0.000679	-1.14	-4.30	2.13	-0.47	-1.79	0.87	0.4900
pm10avl02	24.2	-0.000213	0.000735	-0.52	-3.92	3.01	-0.21	-1.64	1.23	0.7720
pm10avl03	23.0	0.000113	0.000785	0.26	-3.23	3.87	0.11	-1.42	1.67	0.8860
pm10avl04	21.9	-0.000070	0.000831	-0.15	-3.65	3.47	-0.07	-1.68	1.57	0.9330
pm10avl05	21.2	-0.000286	0.000879	-0.60	-4.17	3.09	-0.29	-1.99	1.45	0.7450
smkavl01	16.7	-0.000182	0.001006	-0.30	-3.53	3.03	-0.18	-2.13	1.81	0.8560
smkavl02	14.8	-0.000424	0.001107	-0.63	-3.77	2.62	-0.42	-2.56	1.76	0.7020
smkavl03	14.2	-0.000391	0.001207	-0.55	-3.84	2.84	-0.39	-2.72	1.99	0.7460
smkavl04	13.8	-0.000719	0.001296	-0.99	-4.40	2.55	-0.72	-3.21	1.84	0.5790
smkavl05	13.1	-0.000741	0.001387	-0.97	-4.43	2.62	-0.74	-3.40	2.00	0.5930
pfravl01	10.6	-0.000059	0.001359	-0.06	-2.84	2.80	-0.06	-2.68	2.64	0.9650
pfravl02	9.9	-0.000694	0.001487	-0.69	-3.51	2.22	-0.69	-3.55	2.25	0.6410
pfravl03	9.8	-0.000267	0.001619	-0.26	-3.32	2.89	-0.27	-3.38	2.95	0.8690
pfravl04	9.6	-0.000481	0.001737	-0.46	-3.66	2.85	-0.48	-3.81	2.97	0.7820
pfravl05	9.4	-0.000260	0.001855	-0.24	-3.59	3.22	-0.26	-3.82	3.43	0.8890
sfravl01	13.9	-0.000927	0.001195	-1.28	-4.44	1.99	-0.92	-3.22	1.42	0.4380
sfravl02	12.5	-0.000476	0.001244	-0.59	-3.58	2.48	-0.47	-2.87	1.98	0.7020
sfravl03	11.5	-0.000456	0.001285	-0.52	-3.36	2.40	-0.46	-2.93	2.08	0.7220
sfravl04	11.2	-0.001080	0.001362	-1.20	-4.11	1.80	-1.07	-3.68	1.60	0.4280
sfravl05	10.5	-0.001234	0.001416	-1.29	-4.12	1.63	-1.23	-3.93	1.55	0.3840
pm25avl01	17.7	-0.000757	0.001001	-1.33	-4.70	2.16	-0.75	-2.68	1.21	0.4500
pm25avl02	17.4	-0.000288	0.001066	-0.50	-4.05	3.18	-0.29	-2.35	1.82	0.7870
pm25avl03	16.7	0.000128	0.001143	0.21	-3.47	4.03	0.13	-2.09	2.40	0.9110
pm25avl04	16.0	-0.000050	0.001213	-0.08	-3.81	3.79	-0.05	-2.40	2.35	0.9670
pm25avl05	15.7	0.000002	0.001287	0.00	-3.88	4.04	0.00	-2.49	2.56	0.9990
pmcoarsem01	9.6	-0.001950	0.002320	-1.85	-6.04	2.52	-1.93	-6.29	2.63	0.4010
pmcoarsem02	9.2	-0.001261	0.002575	-1.15	-5.63	3.54	-1.25	-6.11	3.86	0.6240
pmcoarsem03	8.8	-0.001615	0.002779	-1.41	-6.02	3.42	-1.60	-6.82	3.91	0.5610
pmcoarsem04	8.5	-0.002454	0.002992	-2.06	-6.82	2.94	-2.42	-7.98	3.47	0.4120
pmcoarsem05	8.1	-0.003199	0.003213	-2.55	-7.40	2.54	-3.15	-9.06	3.15	0.3200
pm10avl01*	24.7	-0.00044	0.000748	-1.08	-4.6	2.57	-0.44	-1.89	1.03	0.558
pm10avl02*	24.7	-0.00022	0.000807	-0.53	-4.34	3.44	-0.21	-1.78	1.38	0.79
pm10avl03*	23.1	0.000002	0.000864	0	-3.83	3.99	0	-1.68	1.71	0.998
pm10avl04*	21.9	-0.00025	0.000919	-0.55	-4.39	3.46	-0.25	-2.03	1.56	0.786
pm10avl05*	21	-0.00022	0.000973	-0.47	-4.37	3.6	-0.22	-2.11	1.7	0.819

Table 29 Asthma Ages 0-14 Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.001883	0.001014	5.57	-0.30	11.79	1.90	-0.10	3.95	0.0637
no2mxl1	28.8	0.000428	0.001065	1.24	-4.66	7.51	0.43	-1.65	2.55	0.6880
no2mxl2	28.8	0.001318	0.001022	3.87	-1.95	10.04	1.33	-0.68	3.38	0.1980
no2mxl3	28.8	-0.000653	0.001028	-1.86	-7.39	4.00	-0.65	-2.63	1.37	0.5260
o3m8l0	30.8	-0.003251	0.001580	-9.53	-17.76	-0.47	-3.20	-6.15	-0.15	0.0399
o3m8l1	30.8	-0.004126	0.001578	-11.93	-19.94	-3.13	-4.04	-6.96	-1.03	0.0091
o3m8l2	30.8	-0.001595	0.001570	-4.79	-13.40	4.67	-1.58	-4.57	1.49	0.3100
o3m8l3	30.8	-0.001070	0.001450	-3.24	-11.35	5.61	-1.06	-3.84	1.79	0.4610
so2avl0	9.0	0.008559	0.003149	8.01	2.17	14.18	8.94	2.42	15.87	0.0067
so2avl1	9.0	0.009124	0.003075	8.56	2.83	14.61	9.55	3.15	16.36	0.0031
so2avl2	9.0	0.005909	0.003189	5.46	-0.31	11.56	6.09	-0.34	12.93	0.0643
so2avl3	9.0	0.003111	0.003186	2.84	-2.78	8.78	3.16	-3.09	9.81	0.3290
so4avl0	6.4	0.003137	0.005027	2.03	-4.21	8.67	3.19	-6.50	13.87	0.5330
so4avl1	6.4	0.002100	0.005030	1.35	-4.84	7.95	2.12	-7.47	12.70	0.6760
so4avl2	6.4	0.000516	0.005020	0.33	-5.79	6.85	0.52	-8.90	10.91	0.9180
so4avl3	6.4	-0.011250	0.005074	-6.95	-12.69	-0.83	-10.64	-19.10	-1.30	0.0269
com8l0	1.0	0.039282	0.019748	4.01	0.06	8.11	0.39	0.01	0.78	0.0470
com8l1	1.0	0.020912	0.020487	2.11	-1.91	6.30	0.21	-0.19	0.61	0.3080
com8l2	1.0	0.021917	0.020806	2.22	-1.87	6.47	0.22	-0.19	0.63	0.2930
com8l3	1.0	-0.006106	0.021220	-0.61	-4.66	3.61	-0.06	-0.48	0.36	0.7740
pm10avl0	26.9	0.002473	0.001169	6.88	0.49	13.68	2.50	0.18	4.88	0.0347
pm10avl1	26.9	0.002537	0.001147	7.06	0.78	13.73	2.57	0.29	4.90	0.0273
pm10avl2	26.9	0.001276	0.001144	3.49	-2.57	9.93	1.28	-0.96	3.58	0.2650
pm10avl3	26.9	-0.000222	0.001163	-0.60	-6.51	5.69	-0.22	-2.47	2.08	0.8490
smkavl0	18.5	0.003526	0.001694	6.74	0.38	13.50	3.59	0.21	7.09	0.0377
smkavl1	18.5	0.002815	0.001714	5.35	-1.00	12.10	2.86	-0.54	6.37	0.1010
smkavl2	18.5	0.002637	0.001709	5.00	-1.31	11.71	2.67	-0.71	6.17	0.1230
smkavl3	18.5	0.001582	0.001721	2.97	-3.26	9.60	1.60	-1.78	5.08	0.3580
pfravl0	11.6	0.004131	0.002244	4.91	-0.31	10.40	4.22	-0.27	8.90	0.0661
pfravl1	11.6	0.004583	0.002244	5.46	0.22	10.98	4.69	0.19	9.40	0.0414
pfravl2	11.6	0.004058	0.002261	4.82	-0.43	10.35	4.14	-0.37	8.86	0.0731
pfravl3	11.6	0.001720	0.002278	2.02	-3.13	7.44	1.73	-2.71	6.38	0.4500
sfravl0	15.3	0.001356	0.002084	2.10	-4.09	8.68	1.37	-2.69	5.59	0.5150
sfravl1	15.3	0.000740	0.002089	1.14	-5.00	7.68	0.74	-3.30	4.95	0.7230
sfravl2	15.3	0.000096	0.002085	0.15	-5.92	6.61	0.10	-3.91	4.27	0.9630
sfravl3	15.3	-0.004697	0.002105	-6.93	-12.63	-0.87	-4.59	-8.45	-0.57	0.0260
pm25avl0	19.8	0.003600	0.001771	7.39	0.26	15.03	3.67	0.13	7.33	0.0425
pm25avl1	19.8	0.001467	0.001777	2.95	-3.91	10.29	1.48	-2.00	5.07	0.4090
pm25avl2	19.8	0.002246	0.001738	4.55	-2.27	11.84	2.27	-1.15	5.82	0.1970
pm25avl3	19.8	0.000833	0.001772	1.66	-5.09	8.90	0.84	-2.61	4.40	0.6380
pmcoarse	11.1	0.002686	0.004140	3.02	-5.84	12.73	2.72	-5.28	11.41	0.5170
pmcoarse1	11.1	0.005757	0.004121	6.59	-2.54	16.59	5.93	-2.29	14.84	0.1630
pmcoarse2	11.1	0.005683	0.004090	6.51	-2.55	16.42	5.85	-2.31	14.68	0.1650
pmcoarse3	11.1	0.000777	0.004041	0.86	-7.62	10.13	0.78	-6.89	9.09	0.8480
pm10avl0*	26.6	0.002409	0.001336	6.62	-0.56	14.31	2.44	-0.21	5.16	0.0719
pm10avl1*	26.6	0.002398	0.001323	6.59	-0.52	14.2	2.43	-0.2	5.12	0.0704
pm10avl2*	26.6	0.001959	0.001318	5.35	-1.64	12.84	1.98	-0.62	4.65	0.1380
pm10avl3*	26.6	0.000372	0.001344	0.99	-5.84	8.32	0.37	-2.24	3.05	0.7820

Table 30 Asthma Ages 0-14 Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.001519	0.001173	3.95	-1.97	10.22	1.53	-0.78	3.89	0.1960
no2mxl02	23.5	0.001976	0.001302	4.75	-1.35	11.23	2.00	-0.57	4.63	0.1300
no2mxl03	21.8	0.001443	0.001429	3.19	-2.92	9.69	1.45	-1.35	4.33	0.3130
o3m8l01	28.6	-0.004842	0.001773	-12.93	-21.17	-3.84	-4.73	-7.98	-1.36	0.0065
o3m8l02	27.9	-0.004931	0.001943	-12.85	-21.64	-3.09	-4.81	-8.37	-1.12	0.0113
o3m8l03	26.8	-0.004799	0.002040	-12.07	-21.00	-2.12	-4.69	-8.42	-0.80	0.0189
so2avl01	8.5	0.012205	0.003596	10.93	4.48	17.78	12.98	5.29	21.23	0.0007
so2avl02	7.8	0.013503	0.004036	11.11	4.46	18.18	14.46	5.75	23.88	0.0009
so2avl03	7.2	0.014113	0.004437	10.70	3.98	17.85	15.16	5.57	25.62	0.0015
so4avl01	5.8	0.003633	0.005381	2.13	-3.93	8.57	3.70	-6.68	15.23	0.5000
so4avl02	5.2	0.002786	0.005624	1.46	-4.19	7.45	2.83	-7.91	14.81	0.6200
so4avl03	4.8	-0.002350	0.005887	-1.12	-6.45	4.51	-2.32	-12.97	9.62	0.6900
so4avl04	4.7	-0.006012	0.006120	-2.79	-8.12	2.85	-5.83	-16.48	6.17	0.3260
so4avl05	4.7	-0.008081	0.006271	-3.73	-9.13	2.00	-7.76	-18.43	4.30	0.1980
com8l01	1.0	0.040349	0.023088	3.91	-0.46	8.47	0.40	-0.05	0.86	0.0809
com8l02	0.9	0.048908	0.026448	4.50	-0.26	9.49	0.49	-0.03	1.01	0.0648
com8l03	0.9	0.044570	0.029826	3.95	-1.20	9.38	0.45	-0.14	1.04	0.1350
pm10avl01	24.4	0.003267	0.001305	8.30	1.74	15.27	3.32	0.71	6.00	0.0125
pm10avl02	24.2	0.003341	0.001421	8.42	1.36	15.98	3.40	0.56	6.32	0.0189
pm10avl03	23.0	0.002835	0.001529	6.74	-0.37	14.36	2.88	-0.16	6.01	0.0642
pm10avl04	21.9	0.002484	0.001621	5.59	-1.51	13.20	2.52	-0.69	5.82	0.1260
pm10avl05	21.2	0.002310	0.001705	5.02	-2.16	12.73	2.34	-1.03	5.81	0.1760
smkavl01	16.7	0.004264	0.001950	7.38	0.74	14.46	4.36	0.44	8.42	0.0291
smkavl02	14.8	0.005095	0.002170	7.83	1.25	14.84	5.23	0.85	9.80	0.0191
smkavl03	14.2	0.005528	0.002379	8.17	1.24	15.57	5.68	0.87	10.73	0.0204
smkavl04	13.8	0.005485	0.002561	7.86	0.64	15.60	5.64	0.47	11.08	0.0325
smkavl05	13.1	0.005610	0.002731	7.63	0.34	15.44	5.77	0.26	11.59	0.0403
pfravl01	10.6	0.006215	0.002599	6.81	1.20	12.74	6.41	1.13	11.97	0.0170
pfravl02	9.9	0.007836	0.002876	8.07	2.20	14.27	8.15	2.22	14.42	0.0066
pfravl03	9.8	0.008053	0.003144	8.21	1.87	14.95	8.39	1.91	15.28	0.0106
pfravl04	9.6	0.007824	0.003370	7.80	1.18	14.86	8.14	1.23	15.52	0.0205
pfravl05	9.4	0.007644	0.003585	7.45	0.58	14.79	7.94	0.62	15.80	0.0333
sfravl01	13.9	0.001441	0.002233	2.02	-4.00	8.42	1.45	-2.89	5.99	0.5190
sfravl02	12.5	0.001138	0.002333	1.43	-4.20	7.40	1.14	-3.38	5.88	0.6260
sfravl03	11.5	-0.000985	0.002442	-1.13	-6.42	4.47	-0.98	-5.61	3.87	0.6870
sfravl04	11.2	-0.000970	0.002581	-1.08	-6.53	4.69	-0.97	-5.85	4.17	0.7070
sfravl05	10.5	-0.001822	0.002695	-1.90	-7.19	3.70	-1.81	-6.86	3.52	0.4990
pm25avl01	17.7	0.003316	0.001944	6.04	-0.87	13.44	3.37	-0.49	7.39	0.0886
pm25avl02	17.4	0.004182	0.002083	7.55	0.17	15.46	4.27	0.10	8.61	0.0450
pm25avl03	16.7	0.004034	0.002251	6.97	-0.63	15.15	4.12	-0.38	8.81	0.0735
pm25avl04	16.0	0.002549	0.002428	4.16	-3.47	12.40	2.58	-2.18	7.58	0.2940
pm25avl05	15.7	0.001936	0.002582	3.09	-4.79	11.61	1.96	-3.08	7.25	0.4540
pmcoarsem01	9.6	0.007132	0.004781	7.08	-2.12	17.16	7.39	-2.21	17.94	0.1360
pmcoarsem02	9.2	0.010572	0.005340	10.21	0.09	21.35	11.15	0.11	23.41	0.0481
pmcoarsem03	8.8	0.008905	0.005803	8.15	-2.14	19.53	9.31	-2.44	22.48	0.1250
pmcoarsem04	8.5	0.007630	0.006224	6.70	-3.80	18.35	7.93	-4.47	21.93	0.2210
pmcoarsem05	8.1	0.008103	0.006642	6.78	-3.90	18.65	8.44	-4.80	23.52	0.2230
pm10avl01*	24.7	0.003066	0.001484	7.87	0.39	15.9	3.11	0.16	6.16	0.0392
pm10avl02*	24.7	0.003522	0.001613	9.09	0.89	17.95	3.58	0.36	6.91	0.0294
pm10avl03*	23.1	0.003278	0.001742	7.87	-0.32	16.72	3.33	-0.14	6.92	0.0603
pm10avl04*	21.9	0.002386	0.001864	5.36	-2.74	14.14	2.41	-1.26	6.23	0.2010
pm10avl05*	21	0.001658	0.001976	3.54	-4.54	12.31	1.67	-2.19	5.69	0.4020

Table 31 Asthma Ages 15-64 Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	-0.001003	0.001343	-2.85	-9.94	4.80	-1.00	-3.57	1.64	0.4550
no2mxl1	28.8	-0.001063	0.001365	-3.01	-10.21	4.75	-1.06	-3.67	1.63	0.4360
no2mxl2	28.8	-0.001296	0.001378	-3.66	-10.87	4.13	-1.29	-3.92	1.41	0.3470
no2mxl3	28.8	-0.001185	0.001355	-3.35	-10.47	4.33	-1.18	-3.77	1.48	0.3820
o3m8l0	30.8	-0.000349	0.001652	-1.07	-10.46	9.30	-0.35	-3.52	2.93	0.8330
o3m8l1	30.8	-0.000586	0.001695	-1.79	-11.34	8.79	-0.58	-3.83	2.77	0.7290
o3m8l2	30.8	-0.000888	0.001652	-2.70	-11.93	7.51	-0.88	-4.04	2.38	0.5910
o3m8l3	30.8	-0.001954	0.001638	-5.84	-14.70	3.94	-1.94	-5.03	1.26	0.2330
so2avl0	9.0	0.003431	0.004158	3.14	-4.16	10.99	3.49	-4.61	12.28	0.4100
so2avl1	9.0	0.000766	0.004266	0.69	-6.61	8.56	0.77	-7.31	9.56	0.8580
so2avl2	9.0	-0.004979	0.004438	-4.38	-11.58	3.40	-4.86	-12.78	3.79	0.2620
so2avl3	9.0	-0.005176	0.004395	-4.55	-11.67	3.14	-5.04	-12.88	3.50	0.2390
so4avl0	6.4	-0.002677	0.006641	-1.70	-9.56	6.84	-2.64	-14.52	10.89	0.6870
so4avl1	6.4	-0.010844	0.006796	-6.70	-14.33	1.60	-10.28	-21.47	2.51	0.1110
so4avl2	6.4	-0.007460	0.006706	-4.66	-12.35	3.70	-7.19	-18.62	5.85	0.2660
so4avl3	6.4	-0.010415	0.006789	-6.45	-14.09	1.87	-9.89	-21.12	2.93	0.1250
com8l0	1.0	-0.042957	0.029020	-4.20	-9.50	1.40	-0.43	-0.99	0.14	0.1390
com8l1	1.0	-0.037553	0.028713	-3.69	-8.96	1.89	-0.37	-0.93	0.19	0.1910
com8l2	1.0	-0.028220	0.029154	-2.78	-8.18	2.93	-0.28	-0.85	0.29	0.3330
com8l3	1.0	-0.026733	0.028715	-2.64	-7.97	3.00	-0.27	-0.83	0.30	0.3520
pm10avl0	26.9	-0.000306	0.001539	-0.82	-8.55	7.56	-0.31	-3.27	2.75	0.8420
pm10avl1	26.9	-0.001181	0.001542	-3.13	-10.69	5.08	-1.17	-4.12	1.86	0.4440
pm10avl2	26.9	-0.002532	0.001561	-6.58	-13.97	1.43	-2.50	-5.44	0.53	0.1050
pm10avl3	26.9	-0.002145	0.001560	-5.61	-13.06	2.49	-2.12	-5.07	0.92	0.1700
smkavl0	18.5	-0.001342	0.002287	-2.45	-10.22	5.98	-1.33	-5.66	3.19	0.5580
smkavl1	18.5	-0.001152	0.002263	-2.11	-9.82	6.27	-1.14	-5.43	3.34	0.6110
smkavl2	18.5	-0.002739	0.002294	-4.94	-12.53	3.30	-2.70	-6.98	1.77	0.2330
smkavl3	18.5	-0.002204	0.002297	-4.00	-11.67	4.34	-2.18	-6.49	2.33	0.3380
pfravl0	11.6	-0.001617	0.003102	-1.86	-8.54	5.31	-1.60	-7.41	4.56	0.6020
pfravl1	11.6	0.000239	0.003025	0.28	-6.39	7.42	0.24	-5.53	6.36	0.9370
pfravl2	11.6	-0.002367	0.003128	-2.71	-9.39	4.46	-2.34	-8.15	3.84	0.4490
pfravl3	11.6	-0.001723	0.003120	-1.98	-8.69	5.23	-1.71	-7.54	4.49	0.5810
sfravl0	15.3	-0.001059	0.002753	-1.61	-9.40	6.86	-1.05	-6.25	4.43	0.7010
sfravl1	15.3	-0.004502	0.002820	-6.66	-14.23	1.58	-4.40	-9.54	1.03	0.1110
sfravl2	15.3	-0.003206	0.002786	-4.79	-12.42	3.51	-3.15	-8.30	2.28	0.2500
sfravl3	15.3	-0.004309	0.002816	-6.38	-13.96	1.87	-4.22	-9.36	1.22	0.1260
pm25avl0	19.8	-0.004462	0.002406	-8.46	-16.62	0.50	-4.36	-8.77	0.25	0.0641
pm25avl1	19.8	-0.003686	0.002353	-7.04	-15.15	1.85	-3.62	-7.96	0.93	0.1180
pm25avl2	19.8	-0.002908	0.002339	-5.59	-13.79	3.38	-2.87	-7.22	1.69	0.2140
pm25avl3	19.8	-0.002855	0.002354	-5.50	-13.75	3.54	-2.81	-7.20	1.77	0.2260
pmcoarse	11.1	-0.008498	0.005047	-9.00	-18.46	1.55	-8.15	-16.80	1.40	0.0927
pmcoarse1	11.1	-0.008028	0.005029	-8.52	-18.00	2.05	-7.71	-16.38	1.85	0.1110
pmcoarse2	11.1	-0.009519	0.005106	-10.02	-19.48	0.54	-9.08	-17.74	0.49	0.0627
pmcoarse3	11.1	-0.011224	0.005071	-11.71	-20.93	-1.41	-10.62	-19.07	-1.28	0.0272
pm10avl0*	26.6	-0.002335	0.001756	-6.02	-14.24	2.99	-2.31	-5.61	1.11	0.1840
pm10avl1*	26.6	-0.002867	0.001753	-7.34	-15.43	1.52	-2.83	-6.11	0.57	0.1020
pm10avl2*	26.6	-0.002886	0.001755	-7.39	-15.49	1.49	-2.84	-6.13	0.56	0.1010
pm10avl3*	26.6	-0.002607	0.001751	-6.7	-14.84	2.22	-2.57	-5.86	0.83	0.1370

Table 32 Asthma Ages 15-64 Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	-0.001313	0.001524	-3.29	-10.39	4.36	-1.30	-4.21	1.69	0.3890
no2mxl02	23.5	-0.001759	0.001695	-4.05	-11.25	3.74	-1.74	-4.95	1.58	0.3000
no2mxl03	21.8	-0.002146	0.001844	-4.57	-11.80	3.25	-2.12	-5.60	1.48	0.2450
o3m8l01	28.6	-0.000581	0.001824	-1.65	-11.21	8.94	-0.58	-4.07	3.04	0.7500
o3m8l02	27.9	-0.000907	0.001931	-2.50	-12.27	8.36	-0.90	-4.58	2.92	0.6390
o3m8l03	26.8	-0.001656	0.002019	-4.34	-13.97	6.36	-1.64	-5.46	2.33	0.4120
so2avl01	8.5	0.002789	0.004810	2.40	-5.49	10.94	2.83	-6.42	12.99	0.5620
so2avl02	7.8	-0.000271	0.005425	-0.21	-8.15	8.42	-0.27	-10.33	10.92	0.9600
so2avl03	7.2	-0.002761	0.005933	-1.97	-9.84	6.59	-2.72	-13.40	9.27	0.6420
so4avl01	5.8	-0.007382	0.007159	-4.19	-11.68	3.93	-7.12	-19.28	6.88	0.3030
so4avl02	5.2	-0.008819	0.007521	-4.48	-11.53	3.13	-8.44	-20.99	6.10	0.2410
so4avl03	4.8	-0.011708	0.007878	-5.46	-12.22	1.81	-11.05	-23.78	3.80	0.1380
so4avl04	4.7	-0.010691	0.008156	-4.90	-11.78	2.52	-10.14	-23.41	5.44	0.1900
so4avl05	4.7	-0.010866	0.008373	-4.98	-12.03	2.64	-10.30	-23.87	5.70	0.1950
com8l01	1.0	-0.053166	0.032900	-4.93	-10.57	1.08	-0.53	-1.17	0.11	0.1060
com8l02	0.9	-0.061583	0.036831	-5.39	-11.34	0.96	-0.61	-1.33	0.11	0.0949
com8l03	0.9	-0.071059	0.040276	-5.99	-12.23	0.69	-0.71	-1.49	0.08	0.0781
pm10avl01	24.4	-0.000942	0.001718	-2.27	-9.98	6.10	-0.94	-4.22	2.46	0.5840
pm10avl02	24.2	-0.002045	0.001878	-4.83	-12.94	4.04	-2.02	-5.57	1.65	0.2770
pm10avl03	23.0	-0.002745	0.002014	-6.12	-14.27	2.81	-2.71	-6.47	1.21	0.1730
pm10avl04	21.9	-0.003194	0.002137	-6.76	-14.93	2.20	-3.14	-7.12	1.00	0.1350
pm10avl05	21.2	-0.002238	0.002239	-4.63	-13.11	4.67	-2.21	-6.41	2.17	0.3180
smkavl01	16.7	-0.001685	0.002594	-2.78	-10.69	5.84	-1.67	-6.55	3.46	0.5160
smkavl02	14.8	-0.002892	0.002862	-4.19	-11.82	4.10	-2.85	-8.15	2.75	0.3130
smkavl03	14.2	-0.003713	0.003105	-5.14	-12.99	3.43	-3.65	-9.33	2.40	0.2320
smkavl04	13.8	-0.003691	0.003310	-4.97	-13.10	3.94	-3.62	-9.68	2.84	0.2650
smkavl05	13.1	-0.001808	0.003485	-2.34	-10.70	6.80	-1.79	-8.28	5.15	0.6040
pfravl01	10.6	-0.000752	0.003519	-0.79	-7.79	6.73	-0.75	-7.36	6.34	0.8310
pfravl02	9.9	-0.001995	0.003882	-1.96	-9.07	5.71	-1.98	-9.16	5.77	0.6070
pfravl03	9.8	-0.002953	0.004212	-2.85	-10.40	5.33	-2.91	-10.60	5.45	0.4840
pfravl04	9.6	-0.003795	0.004495	-3.58	-11.40	4.93	-3.72	-11.84	5.14	0.3990
pfravl05	9.4	-0.001355	0.004705	-1.27	-9.46	7.68	-1.35	-10.04	8.19	0.7730
sfravl01	13.9	-0.003050	0.002969	-4.15	-11.60	3.92	-3.00	-8.49	2.81	0.3050
sfravl02	12.5	-0.003644	0.003119	-4.45	-11.48	3.13	-3.58	-9.30	2.50	0.2430
sfravl03	11.5	-0.004824	0.003267	-5.40	-12.11	1.83	-4.71	-10.62	1.59	0.1400
sfravl04	11.2	-0.004260	0.003463	-4.66	-11.64	2.87	-4.17	-10.46	2.56	0.2190
sfravl05	10.5	-0.004916	0.003624	-5.03	-11.86	2.32	-4.80	-11.33	2.21	0.1750
pm25avl01	17.7	-0.004940	0.002596	-8.37	-16.26	0.26	-4.82	-9.54	0.15	0.0575
pm25avl02	17.4	-0.005129	0.002775	-8.54	-16.80	0.54	-5.00	-10.03	0.31	0.0650
pm25avl03	16.7	-0.005943	0.002975	-9.45	-17.85	-0.19	-5.77	-11.11	-0.11	0.0462
pm25avl04	16.0	-0.006031	0.003162	-9.20	-17.77	0.27	-5.85	-11.51	0.17	0.0569
pm25avl05	15.7	-0.004488	0.003327	-6.80	-15.87	3.24	-4.39	-10.42	2.05	0.1780
pmcoarsem01	9.6	-0.011823	0.005758	-10.72	-19.89	-0.51	-11.15	-20.63	-0.54	0.0404
pmcoarsem02	9.2	-0.016024	0.006392	-13.70	-23.10	-3.16	-14.81	-24.84	-3.44	0.0124
pmcoarsem03	8.8	-0.020701	0.006906	-16.65	-26.01	-6.11	-18.70	-28.99	-6.92	0.0028
pmcoarsem04	8.5	-0.021687	0.007392	-16.83	-26.47	-5.93	-19.50	-30.35	-6.95	0.0035
pmcoarsem05	8.1	-0.019537	0.007845	-14.63	-24.63	-3.31	-17.75	-29.47	-4.08	0.0130
pm10avl01*	24.7	-0.00324	0.00194	-7.69	-15.96	1.4	-3.19	-6.8	0.57	0.0955
pm10avl02*	24.7	-0.00402	0.002103	-9.45	-18.21	0.26	-3.94	-7.82	0.1	0.0565
pm10avl03*	23.1	-0.00464	0.00225	-10.17	-18.87	-0.54	-4.54	-8.65	-0.23	0.0395
pm10avl04*	21.9	-0.00538	0.002393	-11.11	-19.79	-1.49	-5.24	-9.58	-0.69	0.0249
pm10avl05*	21	-0.00436	0.002517	-8.75	-17.73	1.21	-4.27	-8.88	0.57	0.0835

Table 33 COPD Ages 65+ Hospital Admissions: single day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl0	28.8	0.001104	0.000804	3.23	-1.35	8.02	1.11	-0.47	2.71	0.1700
no2mxl1	28.8	0.000414	0.000825	1.20	-3.40	6.02	0.42	-1.20	2.05	0.6160
no2mxl2	28.8	-0.000766	0.000865	-2.18	-6.84	2.72	-0.76	-2.43	0.93	0.3770
no2mxl3	28.8	-0.000261	0.000833	-0.75	-5.31	4.03	-0.26	-1.88	1.38	0.7540
o3m8l0	30.8	-0.001326	0.001135	-4.00	-10.36	2.81	-1.32	-3.49	0.90	0.2430
o3m8l1	30.8	0.001787	0.001278	5.66	-2.19	14.13	1.80	-0.71	4.38	0.1620
o3m8l2	30.8	0.000766	0.001280	2.39	-5.23	10.61	0.77	-1.73	3.33	0.5500
o3m8l3	30.8	0.000012	0.001165	0.04	-6.76	7.33	0.01	-2.25	2.32	0.9920
so2avl0	9.0	-0.002671	0.002639	-2.37	-6.82	2.28	-2.64	-7.54	2.53	0.3120
so2avl1	9.0	-0.005020	0.002719	-4.42	-8.89	0.28	-4.90	-9.83	0.31	0.0652
so2avl2	9.0	-0.003919	0.002682	-3.47	-7.93	1.21	-3.84	-8.77	1.35	0.1440
so2avl3	9.0	0.000883	0.002565	0.80	-3.66	5.46	0.89	-4.06	6.09	0.7310
so4avl0	6.4	-0.001225	0.004222	-0.78	-5.90	4.61	-1.22	-9.06	7.30	0.7720
so4avl1	6.4	0.000814	0.004245	0.52	-4.69	6.02	0.82	-7.23	9.56	0.8480
so4avl2	6.4	-0.000238	0.004249	-0.15	-5.33	5.31	-0.24	-8.21	8.43	0.9550
so4avl3	6.4	-0.001236	0.004203	-0.79	-5.88	4.58	-1.23	-9.04	7.25	0.7690
com8l0	1.0	0.017193	0.016531	1.73	-1.51	5.08	0.17	-0.15	0.50	0.2990
com8l1	1.0	-0.001831	0.016771	-0.18	-3.41	3.15	-0.02	-0.35	0.31	0.9130
com8l2	1.0	-0.008989	0.017772	-0.89	-4.29	2.62	-0.09	-0.44	0.26	0.6130
com8l3	1.0	-0.015356	0.017938	-1.52	-4.93	2.00	-0.15	-0.50	0.20	0.3920
pm10avl0	26.9	-0.000700	0.000991	-1.87	-6.86	3.40	-0.70	-2.61	1.25	0.4800
pm10avl1	26.9	-0.000487	0.000985	-1.30	-6.30	3.96	-0.49	-2.39	1.45	0.6210
pm10avl2	26.9	-0.000331	0.000978	-0.89	-5.87	4.36	-0.33	-2.22	1.60	0.7360
pm10avl3	26.9	0.000452	0.000964	1.22	-3.79	6.50	0.45	-1.43	2.37	0.6390
smkavl0	18.5	0.001613	0.001409	3.03	-2.10	8.43	1.63	-1.14	4.47	0.2530
smkavl1	18.5	-0.000297	0.001426	-0.55	-5.56	4.73	-0.30	-3.05	2.53	0.8350
smkavl2	18.5	-0.001272	0.001450	-2.33	-7.33	2.95	-1.26	-4.03	1.58	0.3810
smkavl3	18.5	-0.000950	0.001458	-1.74	-6.80	3.59	-0.95	-3.74	1.93	0.5150
pfravl0	11.6	0.001864	0.001864	2.19	-2.05	6.61	1.88	-1.77	5.67	0.3180
pfravl1	11.6	-0.000180	0.001880	-0.21	-4.38	4.15	-0.18	-3.79	3.57	0.9240
pfravl2	11.6	-0.003345	0.001973	-3.81	-8.03	0.61	-3.29	-6.96	0.52	0.0904
pfravl3	11.6	-0.000824	0.001949	-0.95	-5.25	3.54	-0.82	-4.54	3.04	0.6730
sfravl0	15.3	-0.000523	0.001752	-0.80	-5.87	4.55	-0.52	-3.88	2.95	0.7650
sfravl1	15.3	0.000356	0.001761	0.55	-4.63	6.00	0.36	-3.05	3.88	0.8400
sfravl2	15.3	-0.000073	0.001763	-0.11	-5.26	5.31	-0.07	-3.47	3.44	0.9670
sfravl3	15.3	-0.000467	0.001743	-0.71	-5.77	4.62	-0.47	-3.81	2.99	0.7890
pm25avl0	19.8	-0.002128	0.001462	-4.13	-9.41	1.47	-2.11	-4.87	0.74	0.1460
pm25avl1	19.8	-0.001556	0.001444	-3.03	-8.32	2.56	-1.54	-4.29	1.28	0.2820
pm25avl2	19.8	0.000262	0.001393	0.52	-4.77	6.10	0.26	-2.44	3.04	0.8510
pm25avl3	19.8	0.001497	0.001364	3.01	-2.30	8.61	1.51	-1.17	4.26	0.2730
pmcoarse	11.1	-0.000200	0.003129	-0.22	-6.78	6.80	-0.20	-6.14	6.11	0.9490
pmcoarse1	11.1	-0.001612	0.003193	-1.77	-8.36	5.29	-1.60	-7.57	4.75	0.6140
pmcoarse2	11.1	0.001195	0.003161	1.33	-5.39	8.54	1.20	-4.88	7.67	0.7050
pmcoarse3	11.1	0.002715	0.003099	3.05	-3.65	10.24	2.75	-3.30	9.19	0.3810
pm10avl0*	26.6	-0.001144	0.001071	-3	-8.26	2.57	-1.14	-3.19	0.96	0.2860
pm10avl1*	26.6	-0.000726	0.001071	-1.91	-7.24	3.72	-0.72	-2.79	1.38	0.4980
pm10avl2*	26.6	0.000196	0.001048	0.52	-4.82	6.17	0.2	-1.84	2.28	0.8520
pm10avl3*	26.6	0.000919	0.001031	2.48	-2.89	8.14	0.92	-1.1	2.98	0.3730

Table 34 COPD Ages 65+ Hospital Admissions: cumulative day lags

<i>Poll&Lag</i>	<i>Cent1090</i>	<i>Est.</i>	<i>Se(Est.)</i>	<i>%RR1090</i>	<i>LCL1090</i>	<i>UCL1090</i>	<i>%RR10</i>	<i>LCL10</i>	<i>UCL10</i>	<i>Pvalue</i>
no2mxl01	25.5	0.000972	0.000910	2.51	-2.05	7.28	0.98	-0.81	2.79	0.2860
no2mxl02	23.5	0.000451	0.001027	1.06	-3.60	5.96	0.45	-1.55	2.49	0.6610
no2mxl03	21.8	0.000280	0.001129	0.61	-4.13	5.58	0.28	-1.91	2.52	0.8040
o3m8l01	28.6	0.000068	0.001332	0.19	-7.01	7.96	0.07	-2.51	2.71	0.9600
o3m8l02	27.9	0.000431	0.001490	1.21	-6.71	9.80	0.43	-2.46	3.41	0.7720
o3m8l03	26.8	0.000369	0.001579	0.99	-7.05	9.73	0.37	-2.69	3.52	0.8150
so2avl01	8.5	-0.005023	0.003048	-4.18	-8.92	0.81	-4.90	-10.41	0.96	0.0998
so2avl02	7.8	-0.006323	0.003382	-4.81	-9.61	0.24	-6.13	-12.15	0.30	0.0619
so2avl03	7.2	-0.005122	0.003642	-3.62	-8.45	1.46	-4.99	-11.54	2.04	0.1600
so4avl01	5.8	-0.000587	0.004515	-0.34	-5.33	4.91	-0.58	-9.01	8.61	0.8970
so4avl02	5.2	-0.000534	0.004743	-0.28	-4.98	4.66	-0.53	-9.36	9.16	0.9100
so4avl03	4.8	-0.000926	0.004931	-0.44	-4.96	4.28	-0.92	-10.05	9.13	0.8510
so4avl04	4.7	-0.001726	0.005098	-0.81	-5.36	3.96	-1.71	-11.06	8.62	0.7350
so4avl05	4.7	-0.001765	0.005225	-0.83	-5.49	4.06	-1.75	-11.31	8.85	0.7360
com8l01	1.0	0.009995	0.018863	0.95	-2.53	4.56	0.10	-0.27	0.47	0.5960
com8l02	0.9	0.003495	0.021537	0.32	-3.42	4.20	0.03	-0.39	0.46	0.8710
com8l03	0.9	-0.004656	0.024175	-0.40	-4.43	3.79	-0.05	-0.52	0.43	0.8470
pm10avl01	24.4	-0.000761	0.001106	-1.84	-6.89	3.49	-0.76	-2.89	1.42	0.4920
pm10avl02	24.2	-0.000782	0.001198	-1.88	-7.29	3.86	-0.78	-3.08	1.58	0.5140
pm10avl03	23.0	-0.000471	0.001279	-1.08	-6.62	4.79	-0.47	-2.93	2.06	0.7130
pm10avl04	21.9	-0.000212	0.001356	-0.46	-6.09	5.50	-0.21	-2.83	2.48	0.8760
pm10avl05	21.2	-0.000199	0.001429	-0.42	-6.16	5.67	-0.20	-2.96	2.64	0.8890
smkavl01	16.7	0.000874	0.001611	1.47	-3.74	6.96	0.88	-2.26	4.11	0.5880
smkavl02	14.8	0.000039	0.001785	0.06	-4.99	5.38	0.04	-3.40	3.60	0.9820
smkavl03	14.2	-0.000427	0.001957	-0.60	-5.87	4.96	-0.43	-4.17	3.47	0.8270
smkavl04	13.8	-0.000842	0.002114	-1.16	-6.65	4.66	-0.84	-4.86	3.36	0.6900
smkavl05	13.1	-0.001351	0.002266	-1.75	-7.31	4.13	-1.34	-5.63	3.14	0.5510
pfravl01	10.6	0.001121	0.002151	1.19	-3.23	5.82	1.13	-3.05	5.48	0.6030
pfravl02	9.9	-0.000798	0.002391	-0.79	-5.28	3.92	-0.79	-5.34	3.97	0.7390
pfravl03	9.8	-0.001193	0.002613	-1.16	-6.00	3.93	-1.19	-6.12	4.01	0.6480
pfravl04	9.6	-0.001165	0.002804	-1.11	-6.19	4.24	-1.16	-6.44	4.43	0.6780
pfravl05	9.4	-0.001156	0.002983	-1.08	-6.37	4.51	-1.15	-6.76	4.80	0.6990
sfravl01	13.9	-0.000242	0.001873	-0.34	-5.30	4.88	-0.24	-3.84	3.49	0.8970
sfravl02	12.5	-0.000212	0.001968	-0.26	-4.96	4.66	-0.21	-3.99	3.71	0.9140
sfravl03	11.5	-0.000357	0.002045	-0.41	-4.90	4.29	-0.36	-4.27	3.72	0.8620
sfravl04	11.2	-0.000499	0.002166	-0.56	-5.18	4.29	-0.50	-4.63	3.82	0.8180
sfravl05	10.5	-0.000627	0.002248	-0.66	-5.15	4.05	-0.63	-4.91	3.85	0.7800
pm25avl01	17.7	-0.002235	0.001591	-3.88	-9.04	1.57	-2.21	-5.21	0.89	0.1600
pm25avl02	17.4	-0.001673	0.001687	-2.87	-8.30	2.88	-1.66	-4.86	1.65	0.3220
pm25avl03	16.7	-0.000697	0.001793	-1.16	-6.79	4.82	-0.69	-4.12	2.86	0.6970
pm25avl04	16.0	-0.000561	0.001902	-0.89	-6.63	5.20	-0.56	-4.20	3.22	0.7680
pm25avl05	15.7	0.000041	0.002006	0.06	-5.92	6.43	0.04	-3.82	4.05	0.9840
pmcoarsem01	9.6	-0.001748	0.003650	-1.66	-8.19	5.32	-1.73	-8.52	5.55	0.6320
pmcoarsem02	9.2	-0.002227	0.004066	-2.02	-8.95	5.42	-2.20	-9.69	5.91	0.5840
pmcoarsem03	8.8	-0.000972	0.004386	-0.85	-8.07	6.93	-0.97	-9.13	7.92	0.8250
pmcoarsem04	8.5	0.000646	0.004727	0.55	-7.06	8.78	0.65	-8.26	10.42	0.8910
pmcoarsem05	8.1	0.002369	0.005062	1.93	-5.93	10.46	2.40	-7.27	13.08	0.6400
pm10avl01*	24.7	-0.00118	0.00119	-2.87	-8.31	2.89	-1.17	-3.45	1.16	0.322
pm10avl02*	24.7	-0.00083	0.001281	-2.04	-7.93	4.23	-0.83	-3.29	1.69	0.516
pm10avl03*	23.1	-0.00031	0.001365	-0.72	-6.67	5.62	-0.31	-2.94	2.39	0.82
pm10avl04*	21.9	-0.00015	0.001449	-0.33	-6.35	6.06	-0.15	-2.95	2.72	0.916
pm10avl05*	21	0.000459	0.001528	0.97	-5.18	7.52	0.46	-2.5	3.51	0.764

Table 35 All Cardiovascular Disease All Ages Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mxl0	24.6	-0.00117	0.000378	-0.29	-2.09	1.55	-0.12	-0.85	0.63	0.76	31.7	0.000166	0.000512	0.53	-2.62	3.78	0.17	-0.84	1.18	0.7470	0.6540
no2mxl1	24.6	0.000185	0.000379	0.46	-1.36	2.31	0.19	-0.56	0.93	0.62	31.7	0.000274	0.000519	0.87	-2.33	4.18	0.27	-0.74	1.30	0.5980	0.8890
no2mxl2	24.6	-0.000284	0.000393	-0.70	-2.56	1.20	-0.28	-1.05	0.49	0.47	31.7	0.000398	0.000522	1.27	-1.96	4.61	0.40	-0.62	1.43	0.4460	0.2950
no2mxl3	24.6	0.000182	0.000384	0.45	-1.39	2.32	0.18	-0.57	0.94	0.64	31.7	-0.000001	0.000510	0.00	-3.12	3.22	0.00	-1.00	1.00	0.9990	0.7750
o3m8l0	26.1	0.000274	0.000680	0.72	-2.73	4.28	0.27	-1.05	1.62	0.69	32.5	-0.000466	0.000539	-1.50	-4.83	1.94	-0.46	-1.51	0.59	0.3880	0.3710
o3m8l1	26.1	0.000362	0.000719	0.95	-2.70	4.73	0.36	-1.04	1.79	0.62	32.5	0.000225	0.000568	0.73	-2.85	4.45	0.23	-0.88	1.35	0.6920	0.8740
o3m8l2	26.1	0.001165	0.000720	3.09	-0.64	6.95	1.17	-0.25	2.61	0.11	32.5	-0.000157	0.000549	-0.51	-3.93	3.03	-0.16	-1.23	0.92	0.7750	0.1220
o3m8l3	26.1	-0.000081	0.000684	-0.21	-3.64	3.34	-0.08	-1.41	1.27	0.91	32.5	-0.000444	0.000513	-1.43	-4.60	1.84	-0.44	-1.44	0.56	0.3870	0.6600
so2avl0	9.3	-0.000242	0.001133	-0.22	-2.26	1.86	-0.24	-2.43	2.00	0.83	8.6	-0.001005	0.001801	-0.86	-3.83	2.20	-1.00	-4.43	2.56	0.5770	0.7150
so2avl1	9.3	-0.000169	0.001158	-0.16	-2.24	1.97	-0.17	-2.41	2.12	0.88	8.6	-0.000342	0.001830	-0.29	-3.32	2.83	-0.34	-3.85	3.30	0.8520	0.9350
so2avl2	9.3	0.000001	0.001156	0.00	-2.09	2.13	0.00	-2.24	2.29	1.00	8.6	-0.001490	0.001851	-1.27	-4.31	1.86	-1.48	-4.99	2.16	0.4210	0.4880
so2avl3	9.3	-0.000269	0.001159	-0.25	-2.34	1.88	-0.27	-2.51	2.02	0.82	8.6	0.002905	0.001812	2.53	-0.55	5.71	2.95	-0.64	6.67	0.1090	0.1350
so4avl0	7.1	-0.001490	0.001766	-1.05	-3.45	1.41	-1.48	-4.83	1.99	0.40	5.5	0.005350	0.002956	2.99	-0.24	6.32	5.50	-0.44	11.79	0.0707	0.0486
so4avl1	7.1	-0.001348	0.001774	-0.95	-3.37	1.52	-1.34	-4.71	2.15	0.45	5.5	0.005603	0.002949	3.13	-0.10	6.46	5.76	-0.18	12.06	0.0578	0.0456
so4avl2	7.1	-0.002357	0.001771	-1.66	-4.05	0.79	-2.33	-5.66	1.12	0.18	5.5	0.003749	0.002916	2.08	-1.08	5.34	3.82	-1.95	9.93	0.1990	0.0764
so4avl3	7.1	-0.004174	0.001755	-2.92	-5.26	-0.52	-4.09	-7.33	-0.73	0.02	5.5	0.003498	0.002912	1.94	-1.21	5.19	3.56	-2.19	9.64	0.2300	0.0252
com8l0	1.3	-0.000781	0.006706	-0.10	-1.79	1.62	-0.01	-0.14	0.12	0.91	0.5	-0.005073	0.026391	-0.25	-2.80	2.36	-0.05	-0.57	0.47	0.8480	0.8740
com8l1	1.3	0.006930	0.006523	0.90	-0.76	2.60	0.07	-0.06	0.20	0.29	0.5	0.005410	0.025605	0.27	-2.21	2.82	0.05	-0.45	0.56	0.8330	0.9540
com8l2	1.3	-0.002721	0.007028	-0.35	-2.12	1.45	-0.03	-0.16	0.11	0.70	0.5	-0.021365	0.026328	-1.06	-3.58	1.52	-0.21	-0.73	0.30	0.4170	0.4930
com8l3	1.3	0.001264	0.006920	0.16	-1.59	1.95	0.01	-0.12	0.15	0.86	0.5	-0.063454	0.026770	-3.12	-5.63	-0.55	-0.63	-1.15	-0.11	0.0180	0.0192
pm10avl0	30.1	-0.000516	0.000418	-1.54	-3.94	0.92	-0.51	-1.33	0.30	0.22	23.9	-0.000031	0.000700	-0.07	-3.29	3.26	-0.03	-1.39	1.35	0.9650	0.5510
pm10avl1	30.1	-0.000239	0.000414	-0.72	-3.11	1.74	-0.24	-1.04	0.57	0.56	23.9	0.000587	0.000699	1.41	-1.86	4.79	0.59	-0.78	1.98	0.4020	0.3110
pm10avl2	30.1	-0.000657	0.000416	-1.96	-4.34	0.48	-0.66	-1.46	0.16	0.12	23.9	-0.000523	0.000694	-1.24	-4.40	2.02	-0.52	-1.87	0.84	0.4520	0.8680
pm10avl3	30.1	-0.000639	0.000418	-1.90	-4.29	0.54	-0.64	-1.45	0.18	0.13	23.9	-0.000083	0.000681	-0.20	-3.33	3.04	-0.08	-1.41	1.26	0.9030	0.4890
smkavl0	24.0	0.000068	0.000577	0.16	-2.52	2.92	0.07	-1.06	1.21	0.91	11.1	0.001676	0.001546	1.88	-1.49	5.36	1.69	-1.35	4.82	0.2790	0.3210
smkavl1	24.0	0.000581	0.000567	1.40	-1.26	4.14	0.58	-0.53	1.71	0.31	11.1	0.002061	0.001543	2.31	-1.06	5.81	2.08	-0.96	5.22	0.1820	0.3560
smkavl2	24.0	-0.000723	0.000577	-1.72	-4.35	0.98	-0.72	-1.84	0.41	0.21	11.1	0.001327	0.001542	1.48	-1.86	4.95	1.34	-1.68	4.45	0.3900	0.2030
smkavl3	24.0	-0.000489	0.000580	-1.17	-3.82	1.57	-0.49	-1.61	0.65	0.40	11.1	0.000717	0.001546	0.80	-2.53	4.25	0.72	-2.29	3.82	0.6430	0.4550
pfravl0	14.7	0.000740	0.000774	1.09	-1.14	3.37	0.74	-0.77	2.28	0.34	6.6	0.001848	0.002147	1.23	-1.55	4.08	1.86	-2.33	6.24	0.3900	0.6260
pfravl1	14.7	0.000701	0.000761	1.04	-1.16	3.28	0.70	-0.79	2.22	0.36	6.6	0.003625	0.002134	2.42	-0.37	5.29	3.69	-0.56	8.12	0.0898	0.1940
pfravl2	14.7	-0.000508	0.000787	-0.74	-2.97	1.53	-0.51	-2.03	1.04	0.52	6.6	0.000686	0.002181	0.45	-2.34	3.33	0.69	-3.53	5.09	0.7530	0.6040
pfravl3	14.7	-0.000244	0.000797	-0.36	-2.62	1.95	-0.24	-1.79	1.33	0.76	6.6	-0.001444	0.002222	-0.95	-3.76	1.94	-1.43	-5.63	2.95	0.5160	0.6100
sfravl0	17.2	-0.000594	0.000732	-1.02	-3.43	1.46	-0.59	-2.01	0.84	0.42	13.3	0.002206	0.001226	2.98	-0.26	6.32	2.23	-0.20	4.72	0.0724	0.0516
sfravl1	17.2	-0.000588	0.000736	-1.01	-3.43	1.48	-0.59	-2.01	0.86	0.43	13.3	0.002334	0.001223	3.15	-0.08	6.50	2.36	-0.06	4.85	0.0568	0.0428
sfravl2	17.2	-0.001013	0.000735	-1.73	-4.13	0.74	-1.01	-2.42	0.43	0.17	13.3	0.001558	0.001209	2.09	-1.07	5.36	1.57	-0.81	4.01	0.1980	0.0721
sfravl3	17.2	-0.001737	0.000728	-2.94	-5.30	-0.53	-1.72	-3.11	-0.31	0.02	13.3	0.001462	0.001208	1.96	-1.20	5.22	1.47	-0.90	3.90	0.2270	0.0245
pm25avl0	23.3	-0.000823	0.000645	-1.90	-4.75	1.03	-0.82	-2.07	0.44	0.202	15.7	0.001033	0.001083	1.64	-1.70	5.08	1.04	-1.08	3.2100	0.3400	0.1420
pm25avl1	23.3	-0.000492	0.000642	-1.14	-4.00	1.80	-0.49	-1.73	0.77	0.443	15.7	0.000873	0.001069	1.38	-1.90	4.77	0.88	-1.21	3.0100	0.4140	0.2760
pm25avl2	23.3	-0.001063	0.000630	-2.45	-5.21	0.40	-1.06	-2.27	0.17	0.092	15.7	-0.000007	0.001046	-0.01	-3.18	3.26	-0.01	-2.04	2.0600	0.9950	0.3890
pm25avl3	23.3	-0.001012	0.000637	-2.33	-5.13	0.55	-1.01	-2.23	0.24	0.112	15.7	0.000619	0.001036	0.98	-2.19	4.25	0.62	-1.40	2.6900	0.5500	0.1810
pmcoarse	10.0	-0.003563	0.001733	-3.50	-6.72	-0.16	-3.50	-6.72	-0.16	0.040	11.0	-0.001730	0.001621	-1.88	-5.25	1.60	-1.72	-4.79	1.4600	0.2860	0.4420
pmcoarse1	10.0	-0.000139	0.001719	-0.13	-3.44	3.28	-0.14	-3.45	3.28	0.936	11.0	0.001567	0.001647	1.73	-1.81	5.41	1.58	-1.65	4.9100	0.3420	0.4750
pmcoarse2	10.0	-0.004673	0.001759	-4.56	-7.79	-1.21	-4.57	-7.80	-1.22	0.008	11.0	-0.002506	0.001663	-2.71	-6.14	0.83	-2.47	-5.60	0.7600	0.1320	0.3730
pmcoarse3	10.0	-0.004834	0.001765	-4.71	-7.95	-1.36	-4.72	-7.96	-1.37	0.006	11.0	-0.001541	0.001606	-1.68	-5.02	1.78	-1.53	-4.58	1.6200	0.3380	0.1710
pm10avl0*	31.7	-0.000858	0.000489	-2.68	-5.6	0.32	-0.85	-1.8	0.1	0.0796	23.9	0.000044	0.000728	0.10	-3.25	3.58	0.04	-1.37	1.48	0.9520	0.3050
pm10avl1*	31.7	-0.000312	0.000488	-0.99	-3.94	2.06	-0.31	-1.26	0.65	0.522	23.9	0.000670	0.000725	1.61	-1.78	5.13	0.67	-0.75	2.11	0.3560	0.2630
pm10avl2*	31.7	-0.000997	0.000488	-3.11	-6	-0.13	-0.99	-1.93	-0.04	0.0414	23.9	-0.000386	0.000716	-0.92	-4.19	2.46	-0.39	-1.77	1.02	0.5890	0.4840
pm10avl3*	31.7	-0.000917	0.000493	-2.86	-5.8	0.16	-0.91	-1.87	0.05	0.0636	23.9	0.000072	0.000700	0.17	-3.06	3.51	0.07	-1.29	1.45	0.9180	0.2520

Table 36 All Cardiovascular Disease All Ages Hospital Admissions: seasonal results for cumulative day lags

Poll/Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	0.000043	0.000430	0.10	-1.77	2.00	0.04	-0.80	0.89	0.92	28.40	0.000266	0.000567	0.76	-2.37	3.99	0.27	-0.84	1.39	0.6390	0.7520
no2mx02	20.0	-0.000113	0.000490	-0.23	-2.12	1.71	-0.11	-1.07	0.85	0.82	27.20	0.000392	0.000613	1.07	-2.18	4.43	0.39	-0.81	1.61	0.5230	0.5180
no2mx03	18.9	-0.000016	0.000543	-0.03	-2.02	2.00	-0.02	-1.07	1.05	0.98	25.20	0.000338	0.000658	0.86	-2.37	4.19	0.34	-0.95	1.64	0.6070	0.6780
o3m801	24.1	0.000392	0.000782	0.95	-2.71	4.74	0.39	-1.13	1.94	0.62	30.30	-0.000177	0.000614	-0.54	-4.10	3.16	-0.18	-1.37	1.03	0.7730	0.5440
o3m802	22.6	0.000908	0.000876	2.07	-1.81	6.11	0.91	-0.80	2.66	0.30	27.00	-0.000206	0.000666	-0.55	-4.00	3.01	-0.21	-1.50	1.11	0.7570	0.2780
o3m803	20.7	0.000730	0.000937	1.52	-2.27	5.46	0.73	-1.10	2.60	0.44	27.50	-0.000386	0.000701	-1.06	-4.72	2.75	-0.39	-1.74	0.99	0.5820	0.3060
so2av01	9.3	-0.000276	0.001315	-0.26	-2.62	2.16	-0.28	-2.81	2.33	0.83	7.60	-0.000859	0.002039	-0.65	-3.62	2.41	-0.85	-4.74	3.19	0.6740	0.8060
so2av02	8.5	-0.000231	0.001473	-0.20	-2.62	2.28	-0.23	-3.07	2.69	0.88	7.00	-0.001443	0.002257	-1.00	-4.02	2.11	-1.43	-5.70	3.03	0.5230	0.6460
so2av03	7.8	-0.000344	0.001613	-0.27	-2.70	2.22	-0.34	-3.45	2.86	0.83	6.60	0.000079	0.002433	0.05	-3.05	3.25	0.08	-4.58	4.97	0.9740	0.8830
so4av01	6.3	-0.001635	0.001869	-1.02	-3.28	1.29	-1.62	-5.16	2.05	0.38	5.10	0.006625	0.003213	3.44	0.17	6.81	6.85	0.33	13.80	0.0395	0.0278
so4av02	5.8	-0.002228	0.001950	-1.28	-3.45	0.93	-2.20	-5.87	1.61	0.25	4.70	0.006890	0.003408	3.29	0.10	6.59	7.13	0.21	14.53	0.0435	0.0217
so4av03	5.5	-0.003189	0.002013	-1.74	-3.85	0.42	-3.14	-6.89	0.76	0.11	4.20	0.007439	0.003585	3.17	0.17	6.26	7.72	0.41	15.56	0.0383	0.0106
so4av04	5.4	-0.004504	0.002071	-2.40	-4.52	-0.24	-4.40	-8.21	-0.44	0.03	3.70	0.006771	0.003773	2.54	-0.23	5.38	7.01	-0.62	15.22	0.0731	0.0096
so4av05	5.5	-0.005726	0.002106	-3.10	-5.28	-0.88	-5.57	-9.38	-1.59	0.01	3.50	0.005129	0.003961	1.81	-0.92	4.62	5.26	-2.60	13.76	0.1960	0.0167
com801	1.1	0.004150	0.007573	0.46	-1.17	2.11	0.04	-0.11	0.19	0.58	0.40	0.001432	0.029096	0.06	-2.47	2.67	0.01	-0.55	0.59	0.9610	0.9280
com802	1.0	0.002227	0.006697	0.23	-1.51	2.00	0.02	-0.15	0.19	0.80	0.40	-0.007932	0.031970	-0.34	-2.99	2.38	-0.08	-0.70	0.55	0.8040	0.7580
com803	1.0	0.002689	0.009724	0.28	-1.70	2.31	0.03	-0.16	0.22	0.78	0.40	-0.034309	0.035347	-1.45	-4.31	1.50	-0.34	-1.03	0.35	0.3320	0.3110
pm10av01	28.2	-0.000478	0.000466	-1.34	-3.85	1.23	-0.48	-1.38	0.44	0.31	21.60	0.000351	0.000780	0.76	-2.51	4.15	0.35	-1.17	1.90	0.6530	0.3630
pm10av02	27.9	-0.000715	0.000506	-1.97	-4.65	0.78	-0.71	-1.69	0.28	0.16	20.90	0.000025	0.000846	0.05	-3.35	3.58	0.03	-1.62	1.70	0.9760	0.4560
pm10av03	25.8	-0.000900	0.000542	-2.30	-4.94	0.42	-0.90	-1.94	0.16	0.10	20.10	0.000000	0.000904	0.00	-3.50	3.62	0.00	-1.76	1.79	1.0000	0.3980
pm10av04	24.2	-0.001023	0.000575	-2.45	-5.07	0.25	-1.02	-2.13	0.10	0.08	19.70	0.000081	0.000959	0.16	-3.48	3.94	0.08	-1.78	1.98	0.9330	0.3280
pm10av05	23.2	-0.001199	0.000608	-2.74	-5.40	-0.02	-1.19	-2.36	-0.01	0.05	18.50	-0.000072	0.001009	-0.13	-3.72	3.59	-0.07	-2.03	1.92	0.9430	0.3430
smkav01	19.7	0.000431	0.000658	0.85	-1.68	3.45	0.43	-0.86	1.74	0.51	10.00	0.002545	0.001803	2.58	-0.98	6.27	2.58	-0.98	6.27	0.1580	0.2620
smkav02	18.6	-0.000051	0.000731	-0.10	-2.72	2.60	-0.05	-1.47	1.39	0.94	8.70	0.002916	0.002019	2.57	-0.90	6.16	2.96	-1.04	7.12	0.1490	0.1610
smkav03	17.3	-0.000303	0.000803	-0.52	-3.20	2.22	-0.30	-1.86	1.28	0.71	7.80	0.003089	0.002229	2.44	-0.99	5.99	3.14	-1.27	7.74	0.1660	0.1480
smkav04	16.1	-0.000285	0.000870	-0.46	-3.15	2.31	-0.28	-1.97	1.43	0.74	7.60	0.003426	0.002439	2.64	-1.02	6.44	3.49	-1.35	8.55	0.1610	0.1500
smkav05	14.6	-0.000484	0.000935	-0.70	-3.33	1.99	-0.48	-2.29	1.36	0.61	6.80	0.002029	0.002645	1.39	-2.12	5.03	2.05	-3.11	7.48	0.4430	0.3690
pfrav01	13.1	0.000908	0.000893	1.20	-1.10	3.54	0.91	-0.84	2.69	0.31	5.90	0.003421	0.002420	2.04	-0.78	4.93	3.48	-1.31	8.51	0.1580	0.3280
pfrav02	12.1	0.000375	0.000990	0.45	-1.88	2.84	0.38	-1.55	2.34	0.71	5.30	0.003000	0.002673	1.60	-1.18	4.46	3.05	-2.21	8.59	0.2620	0.3560
pfrav03	11.6	0.000157	0.001089	0.18	-2.27	2.69	0.16	-1.96	2.32	0.89	4.90	0.001778	0.002932	0.87	-1.93	3.76	1.79	-3.89	7.81	0.5440	0.6040
pfrav04	11.2	0.000088	0.001173	0.10	-2.45	2.71	0.09	-2.19	2.41	0.94	4.80	0.002123	0.003172	1.02	-1.95	4.08	2.15	-4.01	8.70	0.5030	0.5480
pfrav05	10.8	-0.000049	0.001248	-0.05	-2.66	2.62	-0.05	-2.46	2.43	0.97	4.40	0.000343	0.003401	0.15	-2.74	3.13	0.34	-6.13	7.26	0.9200	0.9140
sfrav01	15.2	-0.000688	0.000776	-1.04	-3.30	1.27	-0.69	-2.18	0.84	0.38	12.20	0.002747	0.001333	3.41	0.16	6.76	2.79	0.13	5.51	0.0397	0.0275
sfrav02	14.0	-0.000921	0.000809	-1.29	-3.46	0.94	-0.92	-2.47	0.67	0.26	11.30	0.002859	0.001414	3.28	0.10	6.57	2.90	0.09	5.79	0.0435	0.0218
sfrav03	13.2	-0.001317	0.000835	-1.72	-3.82	0.42	-1.31	-2.91	0.32	0.12	10.00	0.003091	0.001487	3.14	0.18	6.19	3.14	0.18	6.19	0.0380	0.0107
sfrav04	13.0	-0.001735	0.000877	-2.23	-4.39	-0.02	-1.72	-3.39	-0.02	0.05	8.90	0.002448	0.001628	2.20	-0.66	5.15	2.48	-0.74	5.80	0.1330	0.0253
sfrav05	12.6	-0.002162	0.000909	-2.69	-4.85	-0.48	-2.14	-3.87	-0.38	0.02	8.70	0.001898	0.001734	1.66	-1.30	4.71	1.92	-1.49	5.44	0.2740	0.0401
pm25av01	22.7	-0.000860	0.000708	-1.93	-4.97	1.20	-0.86	-2.22	0.53	0.224	15.3	0.001069	0.001184	1.65	-1.90	5.32	1.08	-1.24	3.4500	0.3670	0.1640
pm25av02	22.4	-0.001331	0.000754	-2.94	-6.10	0.33	-1.32	-2.77	0.15	0.078	13.5	0.000805	0.001265	1.09	-2.24	4.53	0.81	-1.66	3.3400	0.5250	0.1490
pm25av03	22.2	-0.001511	0.000809	-3.30	-6.64	0.17	-1.50	-3.05	0.07	0.062	12.8	0.000909	0.001345	1.17	-2.19	4.64	0.91	-1.71	3.6100	0.4990	0.1260
pm25av04	21.4	-0.001594	0.000865	-3.35	-6.80	0.21	-1.58	-3.24	0.10	0.066	11.9	0.001159	0.001423	1.39	-1.92	4.81	1.17	-1.62	4.0300	0.4160	0.1010
pm25av05	19.6	-0.001726	0.000916	-3.33	-6.67	0.14	-1.71	-3.46	0.07	0.060	10.9	0.000930	0.001514	1.02	-2.20	4.34	0.93	-2.02	3.9700	0.5390	0.1370
pmcoarsem01	8.9	-0.002761	0.002021	-2.42	-5.80	1.07	-2.72	-6.50	1.21	0.172	10.3	-0.000521	0.001883	-0.53	-4.24	3.31	-0.52	-4.12	3.2200	0.7820	0.4220
pmcoarsem02	8.0	-0.004719	0.002281	-3.70	-7.08	-0.19	-4.61	-8.78	-0.25	0.039	9.3	-0.001737	0.002101	-1.60	-5.29	2.23	-1.72	-5.69	2.4100	0.4090	0.3440
pmcoarsem03	7.7	-0.006480	0.002497	-4.86	-8.38	-1.21	-6.27	-10.75	-1.57	0.010	9.2	-0.002655	0.002276	-2.41	-6.33	1.67	-2.62	-6.87	1.8200	0.2440	0.2670
pmcoarsem04	6.9	-0.008497	0.002735	-5.69	-9.11	-2.14	-8.15	-12.94	-3.09	0.002	8.9	-0.002057	0.002449	-1.81	-5.92	2.47	-2.04	-6.63	2.7800	0.4010	0.0870
pmcoarsem05	6.7	-0.009631	0.003004	-6.24	-9.87	-2.47	-9.18	-14.37	-3.67	0.001	8.8	-0.001733	0.002600	-1.51	-5.83	3.00	-1.72	-6.60	3.4200	0.5050	0.0540
pm10av01*	30	-0.000734	0.000545	-2.18	-5.26	1.01	-0.73	-1.79	0.34	0.179	21.6	0.000456	0.000812	0.99	-2.42	4.52	0.46	-1.13	2.07	0.5740	0.2270
pm10av02*	29.3	-0.001077	0.000592	-3.11	-6.35	0.25	-1.07	-2.21	0.08	0.0696	20.9	0.000175	0.000879	0.37	-3.18	4.05	0.18	-1.54	1.92	0.8420	0.2430
pm10av03*	26.8	-0.001324	0.000637	-3.49	-6.66	-0.2	-1.32	-2.54	-0.08	0.0379	20.1	0.000203	0.000936	0.41	-3.23	4.18	0.2	-1.62	2.06	0.8290	0.1850
pm10av04*	24.8	-0.001462	0.000681	-3.56	-6.7	-0.31	-1.45	-2.76	-0.13	0.0322	19.7	0.000298	0.000994	0.59	-3.2	4.53	0.3	-1.64	2.27	0.7640	0.1520
pm10av05*	24.6	-0.00167	0.000725	-4.03	-7.32	-0.61	-1.66	-3.04	-0.25	0.0216	18.5	0.000146	0.001049	0.27	-3.47	4.16	0.15	-1.89	2.23	0.8890	0.1640

Table 37 Cardiac Disease All Ages Hospital Admissions: seasonal results for single day lags

PolLag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mxl0	24.6	0.000440	0.000410	1.09	-0.89	3.11	0.44	-0.36	1.25	0.2830	31.7	0.000564	0.000560	1.80	-1.68	5.41	0.57	-0.53	1.68	0.3150	0.8570
no2mxl1	24.6	0.000013	0.000418	0.03	-1.96	2.07	0.01	-0.80	0.84	0.9760	31.7	0.000649	0.000567	2.08	-1.46	5.74	0.65	-0.46	1.78	0.2530	0.3610
no2mxl2	24.6	-0.000438	0.000436	-1.07	-3.13	1.03	-0.44	-1.29	0.42	0.3150	31.7	0.000712	0.000573	2.28	-1.30	5.99	0.71	-0.41	1.85	0.2150	0.1090
no2mxl3	24.6	0.000617	0.000411	1.53	-0.46	3.56	0.62	-0.19	1.43	0.1340	31.7	-0.000085	0.000565	-0.27	-3.71	3.29	-0.08	-1.18	1.03	0.8810	0.3140
o3m8l0	26.1	-0.000573	0.000772	-1.48	-5.30	2.48	-0.57	-2.06	0.94	0.4580	32.5	0.000310	0.000619	1.01	-2.90	5.08	0.31	-0.90	1.54	0.6170	0.3490
o3m8l1	26.1	0.000265	0.000792	0.70	-3.30	4.86	0.27	-1.28	1.83	0.7380	32.5	0.001214	0.000642	4.02	-0.15	8.37	1.22	-0.04	2.50	0.0591	0.3280
o3m8l2	26.1	0.000410	0.000793	1.07	-2.94	5.26	0.41	-1.14	1.98	0.6060	32.5	-0.000235	0.000652	-0.76	-4.80	3.44	-0.24	-1.50	1.05	0.7180	0.5070
o3m8l3	26.1	-0.000516	0.000752	-1.34	-5.06	2.53	-0.52	-1.97	0.96	0.4920	32.5	-0.000331	0.000588	-1.07	-4.71	2.71	-0.33	-1.47	0.83	0.5730	0.8420
so2avl0	9.3	0.001082	0.001234	1.01	-1.24	3.31	1.09	-1.33	3.56	0.3810	8.6	0.000856	0.001969	0.74	-2.55	4.14	0.86	-2.96	4.83	0.6640	0.9210
so2avl1	9.3	-0.000366	0.001278	-0.34	-2.64	2.01	-0.37	-2.83	2.16	0.7750	8.6	0.001675	0.002022	1.45	-1.95	4.97	1.69	-2.26	5.80	0.4080	0.3870
so2avl2	9.3	-0.000066	0.001275	-0.06	-2.36	2.29	-0.07	-2.53	2.46	0.9590	8.6	-0.002228	0.002039	-1.90	-5.21	1.53	-2.20	-6.04	1.78	0.2750	0.3630
so2avl3	9.3	0.001719	0.001247	1.61	-0.67	3.95	1.73	-0.72	4.25	0.1680	8.6	0.001195	0.002002	1.03	-2.32	4.50	1.20	-2.69	5.25	0.5510	0.8220
so4avl0	7.1	-0.000516	0.001961	-0.37	-3.05	2.39	-0.51	-4.27	3.38	0.7930	5.5	0.006730	0.003275	3.77	0.17	7.50	6.96	0.31	14.05	0.0402	0.0584
so4avl1	7.1	-0.000904	0.001968	-0.64	-3.32	2.12	-0.90	-4.65	3.00	0.6460	5.5	0.006989	0.003307	3.92	0.28	7.69	7.24	0.51	14.42	0.0348	0.0410
so4avl2	7.1	-0.001749	0.001973	-1.23	-3.91	1.51	-1.73	-5.46	2.14	0.3750	5.5	0.005907	0.003291	3.30	-0.30	7.03	6.08	-0.54	13.15	0.0731	0.0474
so4avl3	7.1	-0.003709	0.001947	-2.60	-5.20	0.08	-3.64	-7.25	0.11	0.0571	5.5	0.004287	0.003232	2.39	-1.12	6.02	4.38	-2.03	11.21	0.1850	0.0350
com8l0	1.3	0.008222	0.007415	1.07	-0.82	3.00	0.08	-0.06	0.23	0.2680	0.5	-0.001539	0.028699	-0.08	-2.85	2.77	-0.02	-0.58	0.55	0.9570	0.7410
com8l1	1.3	0.009017	0.007196	1.18	-0.66	3.05	0.09	-0.05	0.23	0.2110	0.5	0.010808	0.027761	0.54	-2.16	3.31	0.11	-0.44	0.65	0.6970	0.9500
com8l2	1.3	-0.006262	0.007740	-0.81	-2.75	1.16	-0.06	-0.21	0.09	0.4190	0.5	-0.017343	0.028611	-0.86	-3.60	1.96	-0.17	-0.73	0.39	0.5450	0.7080
com8l3	1.3	0.009468	0.007445	1.24	-0.66	3.18	0.09	-0.05	0.24	0.2040	0.5	-0.070567	0.029079	-3.47	-6.18	-0.68	-0.70	-1.27	-0.14	0.0155	0.0076
pm10avl0	30.1	-0.000051	0.000457	-0.15	-2.81	2.58	-0.05	-0.94	0.85	0.9110	23.9	0.000497	0.000761	1.19	-2.35	4.87	0.50	-0.99	2.01	0.5140	0.5360
pm10avl1	30.1	-0.000313	0.000461	-0.94	-3.59	1.79	-0.31	-1.21	0.59	0.4970	23.9	0.001205	0.000768	2.92	-0.72	6.69	1.21	-0.30	2.75	0.1170	0.0910
pm10avl2	30.1	-0.000886	0.000465	-2.63	-5.26	0.08	-0.88	-1.78	0.03	0.0572	23.9	-0.000759	0.000772	-1.80	-5.29	1.82	-0.76	-2.25	0.76	0.3260	0.8890
pm10avl3	30.1	-0.000227	0.000461	-0.68	-3.35	2.06	-0.23	-1.13	0.68	0.6230	23.9	-0.000461	0.000760	-1.10	-4.56	2.49	-0.46	-1.93	1.03	0.5440	0.7930
smkavl0	24.0	0.000613	0.000632	1.48	-1.49	4.54	0.61	-0.62	1.87	0.3320	11.1	0.000995	0.001696	1.11	-2.55	4.91	1.00	-2.30	4.41	0.5580	0.8300
smkavl1	24.0	0.000713	0.000635	1.73	-1.27	4.81	0.72	-0.53	1.98	0.2620	11.1	0.003519	0.001669	3.98	0.28	7.83	3.58	0.25	7.03	0.0353	0.1080
smkavl2	24.0	-0.000860	0.000640	-2.04	-4.95	0.95	-0.86	-2.09	0.39	0.1790	11.1	0.002115	0.001686	2.37	-1.31	6.20	2.14	-1.18	5.57	0.2100	0.0915
smkavl3	24.0	0.000308	0.000632	0.74	-2.21	3.78	0.31	-0.93	1.56	0.6260	11.1	-0.000168	0.001713	-0.19	-3.84	3.60	-0.17	-3.47	3.24	0.9220	0.7900
pfravl0	14.7	0.001506	0.000842	2.24	-0.21	4.75	1.52	-0.14	3.21	0.0741	6.6	0.002124	0.002338	1.41	-1.61	4.53	2.15	-2.43	6.94	0.3640	0.8030
pfravl1	14.7	0.000476	0.000854	0.70	-1.75	3.21	0.48	-1.19	2.17	0.5770	6.6	0.004515	0.002307	3.02	0.00	6.15	4.62	-0.01	9.46	0.0506	0.0981
pfravl2	14.7	-0.000586	0.000870	-0.86	-3.31	1.66	-0.58	-2.27	1.13	0.5010	6.6	0.001214	0.002372	0.80	-2.24	3.95	1.22	-3.38	6.04	0.6090	0.4730
pfravl3	14.7	0.000406	0.000863	0.60	-1.87	3.13	0.41	-1.28	2.12	0.6380	6.6	-0.002076	0.002415	-1.36	-4.39	1.77	-2.05	-6.58	2.69	0.3900	0.3310
sfravl0	17.2	-0.000195	0.000813	-0.33	-3.03	2.44	-0.19	-1.77	1.41	0.8110	13.3	0.002794	0.001359	3.79	0.17	7.53	2.83	0.13	5.61	0.0401	0.0598
sfravl1	17.2	-0.000415	0.000817	-0.71	-3.41	2.06	-0.41	-2.00	1.19	0.6120	13.3	0.002902	0.001372	3.94	0.28	7.72	2.94	0.21	5.75	0.0347	0.0385
sfravl2	17.2	-0.000753	0.000819	-1.29	-3.97	1.48	-0.75	-2.33	0.86	0.3580	13.3	0.002475	0.001365	3.35	-0.26	7.09	2.51	-0.20	5.29	0.0701	0.0438
sfravl3	17.2	-0.001544	0.000808	-2.62	-5.24	0.07	-1.53	-3.08	0.04	0.0563	13.3	0.001765	0.001340	2.38	-1.14	6.02	1.78	-0.86	4.49	0.1880	0.0354
pm25avl0	23.3	-0.000943	0.000768	-2.17	-5.55	1.32	-0.94	-2.42	0.56	0.2200	15.7	0.001953	0.001257	3.11	-0.80	7.18	1.97	-0.51	4.52	0.1210	0.0492
pm25avl1	23.3	-0.000769	0.000763	-1.78	-5.14	1.71	-0.77	-2.24	0.73	0.3140	15.7	0.001687	0.001256	2.68	-1.21	6.73	1.70	-0.77	4.24	0.1800	0.0962
pm25avl2	23.3	-0.001414	0.000753	-3.24	-6.51	0.14	-1.40	-2.85	0.06	0.0606	15.7	0.000278	0.001237	0.44	-3.32	4.33	0.28	-2.12	2.74	0.8230	0.2450
pm25avl3	23.3	-0.001244	0.000760	-2.86	-6.17	0.57	-1.24	-2.70	0.25	0.1020	15.7	0.000661	0.001227	1.04	-2.70	4.93	0.66	-1.73	3.11	0.5900	0.1890
pmcoarse	10.0	-0.002879	0.002067	-2.83	-6.69	1.17	-2.84	-6.70	1.18	0.1640	11.0	-0.000078	0.001929	-0.08	-4.15	4.15	-0.08	-3.78	3.77	0.9680	0.3230
pmcoarse1	10.0	-0.000137	0.002054	-0.13	-4.07	3.96	-0.14	-4.08	3.97	0.9470	11.0	0.001840	0.001937	2.04	-2.12	6.39	1.86	-1.94	5.80	0.3420	0.4850
pmcoarse2	10.0	-0.005773	0.002093	-5.60	-9.40	-1.65	-5.61	-9.40	-1.66	0.0060	11.0	-0.003911	0.001960	-4.21	-8.17	-0.07	-3.84	-7.46	-0.07	0.0464	0.5180
pmcoarse3	10.0	-0.003654	0.002083	-3.58	-7.44	0.42	-3.59	-7.44	0.43	0.0798	11.0	-0.001783	0.001918	-1.94	-5.91	2.19	-1.77	-5.39	2.00	0.3530	0.5100
pm10avl0*	31.7	-0.000870	0.000583	-2.72	-6.18	0.87	-0.87	-1.99	0.27	0.1360	23.9	0.000653	0.000851	1.57	-2.4	5.71	0.66	-1.01	2.35	0.4430	0.1400
pm10avl1*	31.7	-0.000526	0.000582	-1.65	-5.15	1.97	-0.52	-1.65	0.62	0.3670	23.9	0.001121	0.000853	2.72	-1.31	6.9	1.13	-0.55	2.83	0.1890	0.1130
pm10avl2*	31.7	-0.001225	0.000583	-3.81	-7.23	-0.26	-1.22	-2.34	-0.08	0.0359	23.9	-0.000422	0.000846	-1.00	-4.85	3	-0.42	-2.06	1.24	0.6180	0.4380
pm10avl3*	31.7	-0.000876	0.000585	-2.74	-6.21	0.86	-0.87	-2	0.27	0.1340	23.9	-0.000049	0.000832	-0.12	-3.94	3.85	-0.05	-1.67	1.59	0.9530	0.4190

Table 38 Cardiac Disease All Ages Hospital Admissions: seasonal results for cumulative day lags

Pol&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx101	22.3	0.000268	0.000468	0.60	-1.44	2.68	0.27	-0.65	1.19	0.5670	28.4	0.000734	0.000621	2.11	-1.37	5.70	0.74	-0.48	1.97	0.2380	0.5450
no2mx102	20.0	0.000006	0.000538	0.01	-2.08	2.14	0.01	-1.04	1.07	0.9910	27.2	0.000898	0.000672	2.47	-1.13	6.21	0.90	-0.42	2.24	0.1820	0.2970
no2mx103	18.9	0.000336	0.000591	0.64	-1.54	2.86	0.34	-0.82	1.51	0.5700	25.2	0.000760	0.000724	1.93	-1.65	5.64	0.76	-0.66	2.20	0.2940	0.6490
c3m8101	24.1	-0.000216	0.000877	-0.52	-4.56	3.69	-0.22	-1.92	1.51	0.8050	30.3	0.000894	0.000698	2.75	-1.43	7.10	0.90	-0.47	2.29	0.2010	0.2970
c3m8102	22.6	0.000041	0.000960	0.09	-4.07	4.44	0.04	-1.82	1.94	0.9660	27.0	0.000620	0.000764	1.69	-2.34	5.89	0.62	-0.87	2.14	0.4170	0.6180
c3m8103	20.7	-0.000229	0.001019	-0.47	-4.50	3.73	-0.23	-2.20	1.78	0.8220	27.5	0.000369	0.000813	1.02	-3.31	5.54	0.37	-1.22	1.98	0.6500	0.6280
so2av101	9.3	0.000507	0.001450	0.47	-2.15	3.16	0.51	-2.31	3.40	0.7270	7.6	0.001520	0.002245	1.16	-2.17	4.60	1.53	-2.84	6.10	0.4990	0.7000
so2av102	8.5	0.000408	0.001624	0.35	-2.33	3.10	0.41	-2.74	3.66	0.8020	7.0	0.000179	0.002493	0.13	-3.24	3.61	0.18	-4.60	5.19	0.9430	0.9380
so2av103	7.8	0.001251	0.001764	0.98	-1.71	3.74	1.26	-2.18	4.82	0.4780	6.6	0.000742	0.002692	0.49	-2.95	4.05	0.74	-4.43	6.20	0.7830	0.8730
so4av101	6.3	-0.000825	0.002077	-0.52	-3.04	2.07	-0.82	-4.78	3.30	0.6910	5.1	0.008250	0.003595	4.30	0.62	8.11	8.60	1.21	16.53	0.0220	0.0295
so4av102	5.8	-0.001391	0.002163	-0.80	-3.21	1.67	-1.38	-5.48	2.89	0.5200	4.7	0.009111	0.003826	4.38	0.76	8.12	9.54	1.62	18.07	0.0175	0.0176
so4av103	5.5	-0.002358	0.002242	-1.29	-3.65	1.13	-2.33	-6.53	2.06	0.2930	4.2	0.009472	0.004043	4.06	0.65	7.58	9.94	1.56	19.00	0.0194	0.0111
so4av104	5.4	-0.003493	0.002303	-1.87	-4.23	0.55	-3.43	-7.69	1.03	0.1300	3.7	0.007522	0.004252	2.82	-0.30	6.04	7.81	-0.81	17.18	0.0773	0.0237
so4av105	5.5	-0.004750	0.002337	-2.58	-5.00	-0.09	-4.64	-8.91	-0.17	0.0424	3.5	0.005261	0.004442	1.86	-1.20	5.01	5.40	-3.39	14.99	0.2370	0.0477
com8101	1.1	0.010926	0.008260	1.21	-0.58	3.03	0.11	-0.05	0.27	0.1860	0.4	0.007033	0.031416	0.32	-2.42	3.14	0.07	-0.54	0.69	0.8230	0.9040
com8102	1.0	0.006250	0.009531	0.65	-1.27	2.60	0.06	-1.02	0.25	0.5120	0.4	-0.001779	0.034589	-0.08	-2.95	2.88	-0.02	-0.69	0.66	0.9590	0.8220
com8103	1.0	0.010849	0.010605	1.15	-1.04	3.38	0.11	-0.10	0.32	0.3070	0.4	-0.029025	0.038372	-1.23	-4.33	1.98	-0.29	-1.04	0.46	0.4500	0.3140
pm10av101	28.2	-0.000234	0.000515	-0.66	-3.45	2.21	-0.23	-1.24	0.78	0.6500	21.6	0.001051	0.000853	2.30	-1.33	6.06	1.06	-0.62	2.76	0.2180	0.1980
pm10av102	27.9	-0.000648	0.000563	-1.79	-4.77	1.28	-0.65	-1.74	0.46	0.2510	20.9	0.000511	0.000930	1.07	-2.70	5.00	0.51	-1.30	2.36	0.5820	0.2890
pm10av103	25.8	-0.000667	0.000604	-1.71	-4.66	1.34	-0.66	-1.83	0.52	0.2690	20.1	0.000261	0.001001	0.53	-3.36	4.57	0.26	-1.69	2.25	0.7940	0.4300
pm10av104	24.2	-0.000643	0.000639	-1.54	-4.48	1.48	-0.64	-1.88	0.61	0.3140	19.7	-0.000038	0.001067	-0.07	-4.11	4.13	-0.04	-2.11	2.07	0.9720	0.6290
pm10av105	23.2	-0.000678	0.000674	-1.56	-4.53	1.50	-0.68	-1.98	0.64	0.3150	18.5	-0.000569	0.001125	-1.05	-5.00	3.07	-0.57	-2.74	1.65	0.6130	0.9350
smkav101	19.7	0.000853	0.000726	1.69	-1.12	4.58	0.86	-0.57	2.30	0.2400	10.0	0.003143	0.001969	3.19	-0.71	7.25	3.19	-0.71	7.25	0.1110	0.2660
smkav102	18.6	0.000211	0.000812	0.39	-2.54	3.41	0.21	-1.37	1.82	0.7950	8.7	0.003831	0.002209	3.39	-0.43	7.36	3.90	-0.50	8.50	0.0833	0.1190
smkav103	17.3	0.000328	0.000887	0.57	-2.41	3.64	0.33	-1.40	2.09	0.7120	7.8	0.003497	0.002452	2.77	-1.02	6.69	3.56	-1.30	8.66	0.1540	0.2200
smkav104	16.1	0.000743	0.000951	1.20	-1.79	4.29	0.75	-1.12	2.64	0.4350	7.6	0.002837	0.002689	2.18	-1.83	6.36	2.88	-2.40	8.45	0.2920	0.4600
smkav105	14.6	0.000657	0.001021	0.96	-1.94	3.96	0.66	-1.33	2.69	0.5200	6.8	0.000688	0.002929	0.47	-3.38	4.47	0.69	-4.93	6.64	0.8140	0.9920
pfrav101	13.1	0.001258	0.000983	1.66	-0.87	4.26	1.27	-0.67	3.24	0.2010	5.9	0.004090	0.002626	2.44	-0.62	5.60	4.18	-1.05	9.68	0.1200	0.3100
pfrav102	12.1	0.000627	0.001090	0.76	-1.81	3.40	0.63	-1.50	2.80	0.5650	5.3	0.003803	0.002899	2.04	-0.99	5.16	3.88	-1.86	9.95	0.1900	0.3030
pfrav103	11.6	0.000742	0.001190	0.86	-1.83	3.63	0.75	-1.58	3.12	0.5330	4.9	0.002098	0.003186	1.03	-2.01	4.17	2.12	-4.06	8.70	0.5100	0.6900
pfrav104	11.2	0.001054	0.001275	1.19	-1.61	4.06	1.06	-1.44	3.62	0.4090	4.8	0.001862	0.003464	0.90	-2.34	4.24	1.88	-4.81	9.04	0.5910	0.8270
pfrav105	10.8	0.001144	0.001352	1.24	-1.61	4.18	1.15	-1.50	3.87	0.3980	4.4	-0.000487	0.003733	-0.21	-3.38	3.05	-0.49	-7.51	7.07	0.8960	0.6820
sfrav101	15.2	-0.000358	0.000861	-0.54	-3.06	2.04	-0.36	-2.03	1.34	0.6780	12.2	0.003428	0.001491	4.27	0.62	8.06	3.49	0.51	6.56	0.0218	0.0286
sfrav102	14.0	-0.000574	0.000897	-0.80	-3.22	1.68	-0.57	-2.31	1.19	0.5220	11.3	0.003795	0.001588	4.38	0.77	8.12	3.87	0.68	7.15	0.0171	0.0173
sfrav103	13.2	-0.000975	0.000930	-1.28	-3.63	1.13	-0.97	-2.76	0.85	0.2950	10.0	0.003936	0.001678	4.01	0.65	7.49	4.01	0.65	7.49	0.0192	0.0111
sfrav104	13.0	-0.001376	0.000974	-1.77	-4.18	0.70	-1.37	-3.23	0.53	0.1580	8.9	0.002989	0.001827	2.70	-0.52	6.02	3.03	-0.59	6.79	0.1020	0.0363
sfrav105	12.6	-0.001808	0.001012	-2.25	-4.67	0.22	-1.79	-3.72	0.18	0.0745	8.7	0.002531	0.001937	2.23	-1.10	5.66	2.56	-1.26	6.53	0.1920	0.0486
pm25av101	22.7	-0.001081	0.000842	-2.42	-6.01	1.30	-1.08	-2.69	0.57	0.2000	15.3	0.002156	0.001382	3.35	-0.84	7.73	2.18	-0.55	4.98	0.1190	0.0460
pm25av102	22.4	-0.001702	0.000900	-3.74	-7.47	0.14	-1.69	-3.41	0.06	0.0590	13.5	0.001597	0.001483	2.18	-1.75	6.27	1.61	-1.30	4.61	0.2820	0.0584
pm25av103	22.2	-0.001903	0.000967	-4.14	-8.09	-0.02	-1.89	-3.73	-0.01	0.0496	12.8	0.001641	0.001588	2.12	-1.87	6.27	1.65	-1.46	4.87	0.3020	0.0582
pm25av104	21.4	-0.001832	0.001031	-3.84	-7.91	0.41	-1.82	-3.78	0.19	0.0761	11.9	0.001662	0.001688	2.00	-1.94	6.09	1.68	-1.63	5.10	0.3250	0.0790
pm25av105	19.6	-0.001812	0.001090	-3.49	-7.45	0.64	-1.80	-3.87	0.32	0.0968	10.9	0.001234	0.001795	1.35	-2.46	5.32	1.24	-2.26	4.87	0.4920	0.1490
pmcoarsem01	8.9	-0.002369	0.002407	-2.08	-6.11	2.11	-2.34	-6.84	2.38	0.3250	10.3	0.000682	0.002221	0.70	-3.71	5.32	0.68	-3.60	5.16	0.7590	0.3570
pmcoarsem02	8.0	-0.005004	0.002719	-3.92	-7.93	0.26	-4.88	-9.82	0.33	0.0662	9.3	-0.001335	0.002481	-1.23	-5.60	3.33	-1.33	-6.01	3.59	0.5910	0.3270
pmcoarsem03	7.7	-0.006217	0.002974	-4.67	-8.85	-0.29	-6.03	-11.35	-0.39	0.0370	9.2	-0.002044	0.002697	-1.86	-6.52	3.02	-2.02	-7.07	3.30	0.4490	0.3080
pmcoarsem04	6.9	-0.008175	0.003256	-5.48	-9.55	-1.22	-7.85	-13.55	-1.78	0.0123	8.9	-0.002120	0.002906	-1.86	-6.71	3.23	-2.10	-7.52	3.64	0.4660	0.1760
pmcoarsem05	6.7	-0.009364	0.003560	-6.08	-10.37	-1.58	-8.94	-15.08	-2.36	0.0087	8.8	-0.002525	0.003087	-2.19	-7.26	3.15	-2.49	-8.22	3.59	0.4140	0.1590
pm10av101*	30	-0.000876	0.00065	-2.59	-6.25	1.2	-0.87	-2.13	0.4	0.178	21.6	0.001116	0.000951	2.44	-1.6	6.65	1.12	-0.74	3.02	0.2410	0.0858
pm10av102*	29.3	-0.001305	0.000708	-3.75	-7.58	0.24	-1.3	-2.66	0.08	0.0656	20.9	0.000684	0.001033	1.44	-2.76	5.83	0.69	-1.33	2.75	0.5080	0.1170
pm10av103*	26.8	-0.001508	0.00076	-3.96	-7.72	-0.05	-1.5	-2.95	-0.02	0.0476	20.1	0.000588	0.001107	1.19	-3.13	5.7	0.59	-1.57	2.8	0.5950	0.1240
pm10av104*	24.8	-0.001563	0.00081	-3.8	-7.52	0.06	-1.55	-3.1	0.02	0.0541	19.7	0.000416	0.001179	0.82	-3.66	5.52	0.42	-1.88	2.76	0.7240	0
pm10av105*	24.6	-0.001632	0.000859	-3.93	-7.83	0.13	-1.62	-3.26	0.05	0.058	18.5	0.000061	0.001244	0.11	-4.3	4.73	0.06	-2.35	2.53	0.9610	0.2710

Table 39 Cardiac Disease Ages 65+ Hospital Admissions: seasonal results for single day lags

PolLag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx10	24.6	0.000642	0.000536	1.59	-1.00	4.25	0.64	-0.41	1.71	0.2310	31.7	0.000576	0.000734	1.84	-2.70	6.59	0.58	-0.86	2.03	0.4330	0.9410
no2mx11	24.6	0.000618	0.000549	1.53	-1.12	4.25	0.62	-0.46	1.71	0.2610	31.7	0.000169	0.000747	0.54	-4.02	5.32	0.17	-1.29	1.65	0.8210	0.6230
no2mx12	24.6	-0.000074	0.000572	-0.18	-2.90	2.61	-0.07	-1.19	1.05	0.8980	31.7	0.000050	0.000754	0.16	-4.43	4.96	0.05	-1.42	1.54	0.9470	0.8950
no2mx13	24.6	0.000470	0.000552	1.16	-1.50	3.89	0.47	-0.61	1.57	0.3950	31.7	-0.000142	0.000736	-0.45	-4.90	4.21	-0.14	-1.57	1.31	0.8470	0.5050
o3m8l0	26.1	-0.001688	0.000964	-4.31	-8.92	0.53	-1.67	-3.51	0.20	0.0803	32.5	-0.000522	0.000759	-1.68	-6.32	3.19	-0.52	-1.99	0.97	0.4920	0.3110
o3m8l1	26.1	-0.000827	0.000998	-2.14	-7.01	2.99	-0.82	-2.74	1.13	0.4070	32.5	-0.000013	0.000787	-0.04	-4.93	5.10	-0.01	-1.54	1.54	0.9870	0.4840
o3m8l2	26.1	-0.000137	0.001004	-0.36	-5.34	4.89	-0.14	-2.08	1.85	0.8920	32.5	-0.001404	0.000796	-4.46	-9.18	0.51	-1.39	-2.92	0.16	0.0779	0.2830
o3m8l3	26.1	-0.000963	0.000972	-2.48	-7.21	2.49	-0.96	-2.83	0.95	0.3220	32.5	-0.000853	0.000752	-2.73	-7.28	2.04	-0.85	-2.30	0.62	0.2570	0.9250
so2av10	9.3	0.002232	0.001655	2.10	-0.94	5.22	2.26	-1.01	5.63	0.1780	8.6	0.003421	0.002594	2.99	-1.42	7.59	3.48	-1.65	8.88	0.1880	0.6950
so2av11	9.3	0.001953	0.001678	1.83	-1.24	5.00	1.97	-1.33	5.38	0.2450	8.6	0.002982	0.002629	2.60	-1.85	7.25	3.03	-2.15	8.48	0.2570	0.7370
so2av12	9.3	0.000086	0.001684	0.08	-2.95	3.20	0.09	-3.16	3.45	0.9590	8.6	-0.001773	0.002679	-1.51	-5.86	3.04	-1.76	-6.78	3.54	0.5080	0.5510
so2av13	9.3	0.000766	0.001678	0.72	-2.32	3.84	0.77	-2.49	4.14	0.6480	8.6	0.001529	0.002632	1.32	-3.07	5.92	1.54	-3.56	6.92	0.5610	0.8040
so4av10	7.1	0.001376	0.002514	0.98	-2.49	4.58	1.39	-3.49	6.51	0.5840	5.5	0.005062	0.004274	2.82	-1.81	7.67	5.19	-3.26	14.38	0.2370	0.4580
so4av11	7.1	0.000963	0.002534	0.69	-2.80	4.30	0.97	-3.92	6.11	0.7040	5.5	0.004298	0.004276	2.39	-2.22	7.22	4.39	-4.00	13.52	0.3150	0.5050
so4av12	7.1	-0.000008	0.002533	-0.01	-3.47	3.58	-0.01	-4.85	5.08	0.9970	5.5	0.004136	0.004227	2.30	-2.26	7.07	4.22	-4.06	13.23	0.3280	0.4030
so4av13	7.1	-0.003307	0.002528	-2.32	-5.70	1.18	-3.25	-7.93	1.66	0.1910	5.5	0.004884	0.004225	2.72	-1.85	7.51	5.00	-3.34	14.07	0.2480	0.0982
com8l0	1.3	0.010429	0.009566	1.36	-1.08	3.87	0.10	-0.08	0.29	0.2760	0.5	-0.001016	0.037877	-0.05	-3.69	3.73	-0.01	-0.75	0.73	0.9790	0.7690
com8l1	1.3	0.019349	0.009325	2.55	0.14	5.01	0.19	0.01	0.38	0.0383	0.5	0.014672	0.036623	0.74	-2.82	4.42	0.15	-0.57	0.87	0.6890	0.9010
com8l2	1.3	-0.003258	0.010323	-0.42	-3.01	2.23	-0.03	-0.23	0.17	0.7520	0.5	-0.012920	0.037720	-0.64	-4.25	3.10	-0.13	-0.86	0.61	0.7320	0.8040
com8l3	1.3	0.005391	0.010016	0.70	-1.83	3.31	0.05	-0.14	0.25	0.5910	0.5	-0.053905	0.038557	-2.66	-6.27	1.09	-0.54	-1.29	0.22	0.1620	0.1360
pm10av10	30.1	0.000229	0.000605	0.69	-2.84	4.35	0.23	-0.95	1.42	0.7050	23.9	0.001458	0.000993	3.54	-1.16	8.48	1.47	-0.49	3.46	0.1430	0.2890
pm10av11	30.1	0.000415	0.000600	1.26	-2.27	4.91	0.42	-0.76	1.60	0.4900	23.9	0.001590	0.001004	3.87	-0.90	8.87	1.60	-0.38	3.62	0.1130	0.3140
pm10av12	30.1	-0.000425	0.000605	-1.27	-4.73	2.32	-0.42	-1.60	0.76	0.4820	23.9	-0.000841	0.001008	-1.99	-6.51	2.75	-0.84	-2.78	1.14	0.4050	0.7240
pm10av13	30.1	-0.000285	0.000603	-0.85	-4.32	2.74	-0.28	-1.46	0.90	0.6370	23.9	-0.000500	0.000993	-1.19	-5.68	3.52	-0.50	-2.42	1.46	0.6150	0.8540
smkav10	24.0	0.001130	0.000833	2.75	-1.20	6.86	1.14	-0.50	2.80	0.1750	11.1	0.002682	0.002238	3.02	-1.87	8.16	2.72	-1.69	7.32	0.2310	0.5060
smkav11	24.0	0.001540	0.000826	3.76	-0.19	7.87	1.55	-0.08	3.21	0.0626	11.1	0.003952	0.002221	4.48	-0.45	9.66	4.03	-0.40	8.66	0.0756	0.2950
smkav12	24.0	-0.000245	0.000846	-0.59	-4.46	3.45	-0.24	-1.89	1.42	0.7730	11.1	0.001558	0.002244	1.74	-3.10	6.83	1.57	-2.80	6.14	0.4880	0.4410
smkav13	24.0	0.000112	0.000842	0.27	-3.63	4.32	0.11	-1.53	1.78	0.8950	11.1	0.000697	0.002242	0.78	-4.02	5.81	0.70	-3.63	5.22	0.7560	0.8030
pfrav10	14.7	0.001211	0.001128	1.80	-1.46	5.16	1.22	-0.99	3.48	0.2830	6.6	0.003778	0.003091	2.52	-1.49	6.71	3.85	-2.25	10.34	0.2220	0.4310
pfrav11	14.7	0.001598	0.001111	2.38	-0.85	5.71	1.61	-0.58	3.85	0.1510	6.6	0.005487	0.003070	3.69	-0.35	7.89	5.64	-0.53	12.19	0.0743	0.2290
pfrav12	14.7	0.000146	0.001149	0.21	-3.05	3.59	0.15	-2.08	2.43	0.8990	6.6	0.000840	0.003156	0.56	-3.47	4.75	0.84	-5.21	7.28	0.7900	0.8350
pfrav13	14.7	-0.000036	0.001162	-0.05	-3.34	3.35	-0.04	-2.29	2.27	0.9750	6.6	0.000871	0.003182	0.58	-3.48	4.80	0.88	-5.22	7.37	0.7840	0.7880
sfrav10	17.2	0.000590	0.001042	1.02	-2.47	4.63	0.59	-1.44	2.67	0.5720	13.3	0.002081	0.001773	2.81	-1.84	7.67	2.10	-1.38	5.71	0.2410	0.4700
sfrav11	17.2	0.000376	0.001052	0.65	-2.86	4.28	0.38	-1.67	2.47	0.7210	13.3	0.001769	0.001774	2.38	-2.25	7.23	1.78	-1.69	5.39	0.3190	0.5020
sfrav12	17.2	-0.000031	0.001052	-0.05	-3.54	3.56	-0.03	-2.07	2.05	0.9770	13.3	0.001725	0.001753	2.32	-2.25	7.11	1.74	-1.70	5.30	0.3250	0.3940
sfrav13	17.2	-0.001377	0.001049	-2.34	-5.73	1.18	-1.37	-3.37	0.68	0.1900	13.3	0.002024	0.001752	2.73	-1.86	7.53	2.05	-1.40	5.61	0.2480	0.0978
pm25av10	23.3	-0.000302	0.000893	-0.70	-4.67	3.43	-0.30	-2.03	1.4600	0.735	15.7	0.002883	0.001450	4.30	-0.25	9.06	2.72	-0.16	5.68	0.0647	0.0802
pm25av11	23.3	0.000064	0.000884	0.15	-3.81	4.27	0.06	-1.65	1.8100	0.943	15.7	0.001757	0.001471	2.80	-1.75	7.56	1.77	-1.12	4.75	0.2330	0.3250
pm25av12	23.3	-0.000206	0.000871	-0.48	-4.36	3.56	-0.21	-1.90	1.5100	0.813	15.7	-0.000424	0.001445	-0.66	-4.98	3.85	-0.42	-3.20	2.44	0.7690	0.8980
pm25av13	23.3	-0.000429	0.000878	-1.00	-4.89	3.05	-0.43	-2.13	1.3000	0.625	15.7	0.000123	0.001434	0.19	-4.13	4.71	0.12	-2.65	2.98	0.9320	0.7430
pmcoarse	10.0	0.000089	0.002392	0.08	-4.49	4.89	0.09	-4.50	4.89	0.9700	11	0.003172	0.002208	3.55	-1.26	8.59	3.22	-1.15	7.79	0.1510	0.3440
pmcoarse1	10.0	0.001767	0.002373	1.78	-2.84	6.62	1.78	-2.84	6.63	0.4570	11	0.004634	0.002207	5.22	0.33	10.35	4.74	0.31	9.37	0.0361	0.3800
pmcoarse2	10.0	-0.005684	0.002441	-5.52	-9.93	-0.89	-5.53	-9.94	-0.90	0.0202	11	-0.003040	0.002297	-3.28	-7.96	1.62	-2.99	-7.26	1.47	0.1860	0.4330
pmcoarse3	10.0	-0.002726	0.002424	-2.68	-7.20	2.04	-2.69	-7.20	2.05	0.2610	11	-0.000187	0.002223	-0.20	-4.87	4.69	-0.19	-4.44	4.26	0.9330	0.4440
pm10av10*	31.7	-0.000237	0.000674	-0.75	-4.82	3.50	-0.24	-1.55	1.09	0.7250	23.9	0.001554	0.000975	3.78	-0.85	8.63	1.57	-0.36	3.52	0.1110	0.1320
pm10av11*	31.7	0.000118	0.000672	0.37	-3.73	4.65	0.12	-1.19	1.45	0.8610	23.9	0.001755	0.000990	4.28	-0.44	9.23	1.77	-0.18	3.76	0.0767	0.1740
pm10av12*	31.7	-0.000592	0.000676	-1.86	-5.89	2.35	-0.59	-1.9	0.74	0.3820	23.9	-0.000538	0.000988	-1.28	-5.74	3.4	-0.54	-2.44	1.41	0.5870	0.9640
pm10av13*	31.7	-0.000492	0.000676	-1.55	-5.6	2.68	-0.49	-1.8	0.84	0.4670	23.9	-0.000022	0.000968	-0.05	-4.49	4.58	-0.02	-1.9	1.89	0.9820	0.6940

Table 40 Cardiac Disease Ages 65+ Hospital Admissions: seasonal results for cumulative day lags

Pol&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	0.000817	0.000615	1.84	-0.86	4.61	0.82	-0.39	2.04	0.19	28.4	0.000457	0.000813	1.31	-3.18	6.00	0.46	-1.13	2.07	0.5740	0.7200
no2mx02	20.0	0.000672	0.000708	1.35	-1.42	4.21	0.67	-0.71	2.08	0.34	27.2	0.000374	0.000879	1.02	-3.60	5.87	0.37	-1.34	2.12	0.6710	0.7880
no2mx03	18.9	0.000854	0.000784	1.63	-1.28	4.62	0.86	-0.68	2.42	0.28	25.2	0.000258	0.000941	0.65	-3.92	5.44	0.26	-1.57	2.12	0.7840	0.6240
o3m801	24.1	-0.001631	0.001099	-3.85	-8.72	1.27	-1.62	-3.71	0.52	0.14	30.3	-0.000385	0.000858	-1.16	-6.07	4.01	-0.38	-2.05	1.31	0.6540	0.3280
o3m802	22.6	-0.001454	0.001216	-3.23	-8.30	2.12	-1.44	-3.76	0.93	0.23	27.0	-0.000998	0.000941	-2.66	-7.39	2.31	-0.99	-2.80	0.85	0.2900	0.7410
o3m803	20.7	-0.001733	0.001292	-3.52	-8.45	1.67	-1.72	-4.18	0.80	0.18	27.5	-0.001248	0.000996	-3.37	-8.42	1.95	-1.24	-3.15	0.71	0.2100	0.7410
so2av01	9.3	0.002803	0.001920	2.64	-0.89	6.30	2.84	-0.96	6.79	0.15	7.6	0.004045	0.002928	3.12	-1.28	7.72	4.13	-1.68	10.28	0.1670	0.7180
so2av02	8.5	0.002403	0.002160	2.06	-1.54	5.80	2.43	-1.81	6.86	0.27	7.0	0.002394	0.003242	1.69	-2.73	6.31	2.42	-3.88	9.14	0.4600	0.9980
so2av03	7.8	0.002551	0.002366	2.01	-1.61	5.77	2.58	-2.06	7.45	0.28	6.6	0.002763	0.003496	1.84	-2.66	6.55	2.80	-4.01	10.09	0.4300	0.9590
so4av01	6.3	0.001357	0.002664	0.86	-2.41	4.23	1.37	-3.79	6.80	0.61	5.1	0.005572	0.004649	2.88	-1.79	7.78	5.73	-3.48	15.82	0.2310	0.4340
so4av02	5.8	0.000897	0.002778	0.52	-2.60	3.75	0.90	-4.45	6.55	0.75	4.7	0.006222	0.004931	2.97	-1.61	7.75	6.42	-3.38	17.22	0.2070	0.3500
so4av03	5.5	-0.000339	0.002871	-0.19	-3.23	2.95	-0.34	-5.79	5.43	0.91	4.2	0.007081	0.005196	3.02	-1.29	7.52	7.34	-3.05	18.84	0.1730	0.2140
so4av04	5.4	-0.001870	0.002959	-1.00	-4.06	2.14	-1.85	-7.38	4.01	0.53	3.7	0.004807	0.005500	1.79	-2.19	5.94	4.92	-5.80	16.87	0.3820	0.2880
so4av05	5.5	-0.003411	0.003015	-1.86	-5.00	1.38	-3.35	-8.90	2.53	0.26	3.5	0.002376	0.005787	0.84	-3.09	4.92	2.40	-8.58	14.70	0.6810	0.3770
com801	1.1	0.019741	0.010810	2.20	-0.16	4.60	0.20	-0.01	0.41	0.07	0.4	0.011663	0.041660	0.53	-3.10	4.29	0.12	-0.70	0.94	0.7800	0.8500
com802	1.0	0.015927	0.012606	1.65	-0.90	4.27	0.16	-0.09	0.41	0.21	0.4	0.002272	0.045861	0.10	-3.70	4.04	0.02	-0.87	0.93	0.9600	0.7730
com803	1.0	0.017597	0.014108	1.86	-1.05	4.87	0.18	-0.10	0.45	0.21	0.4	-0.020036	0.050696	-0.85	-4.95	3.43	-0.20	-1.19	0.80	0.6930	0.4730
pm10av01	28.2	0.000406	0.000675	1.15	-2.55	5.00	0.41	-0.91	1.74	0.55	21.6	0.001893	0.001111	4.17	-0.61	9.19	1.91	-0.28	4.15	0.0888	0.2520
pm10av02	27.9	0.000098	0.000737	0.27	-3.69	4.40	0.10	-1.34	1.55	0.89	20.9	0.001076	0.001212	2.27	-2.68	7.48	1.08	-1.29	3.51	0.3750	0.4910
pm10av03	25.8	-0.000049	0.000787	-0.13	-4.02	3.93	-0.05	-1.58	1.51	0.95	20.1	0.000709	0.001298	1.43	-3.62	6.76	0.71	-1.82	3.31	0.5850	0.6200
pm10av04	24.2	-0.000328	0.000835	-0.79	-4.64	3.22	-0.33	-1.94	1.32	0.70	19.7	0.000345	0.001381	0.68	-4.55	6.19	0.35	-2.33	3.10	0.8030	0.6790
pm10av05	23.2	-0.000483	0.000879	-1.11	-4.99	2.92	-0.48	-2.18	1.25	0.58	18.5	0.000031	0.001457	0.06	-5.09	5.48	0.03	-2.78	2.93	0.9830	0.7640
smkav01	19.7	0.001780	0.000955	3.57	-0.18	7.46	1.80	-0.09	3.72	0.06	10.0	0.004512	0.002601	4.62	-0.58	10.09	4.62	-0.58	10.09	0.0831	0.3130
smkav02	18.6	0.001334	0.001070	2.51	-1.41	6.59	1.34	-0.76	3.49	0.21	8.7	0.004663	0.002927	4.14	-0.93	9.47	4.77	-1.07	10.96	0.1120	0.2750
smkav03	17.3	0.001239	0.001176	2.17	-1.83	6.32	1.25	-1.06	3.61	0.29	7.8	0.004585	0.003234	3.64	-1.36	8.89	4.69	-1.74	11.54	0.1570	0.3230
smkav04	16.1	0.001073	0.001273	1.74	-2.26	5.91	1.08	-1.41	3.63	0.40	7.6	0.003597	0.003546	2.77	-2.52	8.35	3.66	-3.30	11.12	0.3110	0.4980
smkav05	14.6	0.000676	0.001368	0.99	-2.89	5.02	0.68	-1.99	3.41	0.62	6.8	0.002029	0.003839	1.39	-3.67	6.71	2.05	-5.35	10.02	0.5970	0.7380
pfrav01	13.1	0.001840	0.001304	2.44	-0.93	5.93	1.86	-0.71	4.49	0.16	5.9	0.005675	0.003483	3.40	-0.68	7.66	5.84	-1.15	13.32	0.1040	0.2980
pfrav02	12.1	0.001567	0.001450	1.91	-1.53	5.48	1.58	-1.27	4.51	0.28	5.3	0.004929	0.003858	2.65	-1.39	6.84	5.05	-2.60	13.30	0.2020	0.4110
pfrav03	11.6	0.001367	0.001595	1.60	-2.02	5.35	1.38	-1.74	4.59	0.39	4.9	0.004404	0.004223	2.18	-1.88	6.41	4.50	-3.80	13.52	0.2970	0.4990
pfrav04	11.2	0.001339	0.001716	1.51	-2.24	5.41	1.35	-2.00	4.81	0.44	4.8	0.004512	0.004575	2.19	-2.12	6.68	4.62	-4.36	14.43	0.3240	0.5150
pfrav05	10.8	0.001155	0.001827	1.26	-2.59	5.25	1.16	-2.40	4.85	0.53	4.4	0.003341	0.004898	1.48	-2.72	5.86	3.40	-6.07	13.82	0.4950	0.6760
sfrav01	15.2	0.000555	0.001105	0.85	-2.42	4.22	0.56	-1.60	2.76	0.62	12.2	0.002292	0.001929	2.84	-1.80	7.69	2.32	-1.48	6.26	0.2350	0.4370
sfrav02	14.0	0.000380	0.001152	0.53	-2.60	3.78	0.38	-1.86	2.67	0.74	11.3	0.002570	0.002046	2.95	-1.61	7.72	2.60	-1.43	6.80	0.2100	0.3540
sfrav03	13.2	-0.000132	0.001191	-0.17	-3.20	2.95	-0.13	-2.44	2.23	0.91	10.0	0.002927	0.002156	2.97	-1.29	7.41	2.97	-1.29	7.41	0.1750	0.2170
sfrav04	13.0	-0.000637	0.001250	-0.82	-3.93	2.38	-0.63	-3.04	1.83	0.61	8.9	0.001845	0.002367	1.66	-2.46	5.94	1.86	-2.75	6.70	0.4360	0.3560
sfrav05	12.6	-0.001118	0.001293	-1.40	-4.50	1.80	-1.11	-3.59	1.43	0.39	8.7	0.001581	0.002522	1.39	-2.88	5.84	1.59	-3.31	6.74	0.5310	0.3430
pm25av01	22.7	-0.000191	0.000976	-0.43	-4.66	3.99	-0.19	-2.08	1.74	0.85	15.30	0.002552	0.001608	3.98	-0.91	9.12	2.59	-0.60	5.87	0.1130	0.1460
pm25av02	22.4	-0.000417	0.001042	-0.93	-5.36	3.71	-0.42	-2.43	1.64	0.69	13.50	0.001593	0.001727	2.17	-2.39	6.95	1.61	-1.78	5.10	0.3570	0.3210
pm25av03	22.2	-0.000523	0.001118	-1.15	-5.85	3.77	-0.52	-2.68	1.68	0.64	12.80	0.001494	0.001848	1.93	-2.69	6.77	1.51	-2.11	5.25	0.4190	0.3530
pm25av04	21.4	-0.000782	0.001189	-1.66	-6.44	3.37	-0.78	-3.06	1.56	0.51	11.90	0.001171	0.001964	1.40	-3.14	6.16	1.18	-2.64	5.15	0.5510	0.3980
pm25av05	19.6	-0.000946	0.001254	-1.84	-6.45	3.01	-0.94	-3.35	1.52	0.45	10.90	0.000942	0.002089	1.03	-3.38	5.64	0.95	-3.10	5.17	0.6520	0.4410
pmcoarsem01	8.9	0.001175	0.002779	1.05	-3.73	6.07	1.18	-4.18	6.85	0.67	10.30	0.004484	0.002534	4.72	-0.49	10.22	4.59	-0.48	9.91	0.0772	0.3850
pmcoarsem02	8.0	-0.001897	0.003166	-1.50	-6.27	3.50	-1.88	-7.78	4.40	0.55	9.30	0.001802	0.002863	1.68	-3.48	7.13	1.82	-3.74	7.70	0.5290	0.3940
pmcoarsem03	7.7	-0.002949	0.003468	-2.24	-7.22	3.00	-2.91	-9.29	3.92	0.40	9.20	0.001585	0.003117	1.46	-4.07	7.33	1.60	-4.42	8.00	0.6110	0.3310
pmcoarsem04	6.9	-0.005232	0.003795	-3.54	-8.37	1.53	-5.10	-11.90	2.23	0.17	8.90	0.000795	0.003365	0.71	-5.03	6.79	0.80	-5.63	7.67	0.8130	0.2470
pmcoarsem05	6.7	-0.007012	0.004143	-4.58	-9.64	0.74	-6.77	-14.04	1.11	0.09	8.80	-0.000461	0.003589	-0.40	-6.38	5.95	-0.46	-7.22	6.79	0.8980	0.2470
pm10av01*	30	-0.000085	0.000751	-0.26	-4.57	4.25	-0.09	-1.55	1.4	0.91	21.6	0.002059	0.001094	4.55	-0.18	9.5	2.08	-0.09	4.29	0.0603	0.1090
pm10av02*	29.3	-0.000369	0.000819	-1.08	-5.62	3.69	-0.37	-1.96	1.24	0.652	20.9	0.001365	0.001194	2.89	-2.02	8.05	1.37	-0.97	3.78	0.2530	0.2370
pm10av03*	26.8	-0.000538	0.000879	-1.43	-5.88	3.23	-0.54	-2.24	1.19	0.541	20.1	0.001174	0.00128	2.39	-2.65	7.68	1.18	-1.33	3.75	0.3600	0.2790
pm10av04*	24.8	-0.000761	0.000935	-1.87	-6.23	2.69	-0.76	-2.56	1.08	0.416	19.7	0.000873	0.001364	1.73	-3.48	7.23	0.88	-1.78	3.61	0.5220	0.3320
pm10av05*	24.6	-0.000935	0.000989	-2.27	-6.83	2.5	-0.93	-2.83	1.01	0.345	18.5	0.00055	0.001443	1.02	-4.13	6.45	0.55	-2.25	3.44	0.7030	0.4050

Table 41 IHD Ages 0-64 Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx0	24.6	0.000399	0.000916	0.99	-3.38	5.55	0.40	-1.39	2.22	0.6630	31.7	0.000342	0.001284	1.09	-6.66	9.48	0.34	-2.15	2.90	0.7900	0.9700
no2mx1	24.6	-0.001392	0.000994	-3.37	-7.89	1.38	-1.38	-3.29	0.56	0.1620	31.7	0.001689	0.001278	5.50	-2.55	14.22	1.70	-0.81	4.28	0.1870	0.0539
no2mx2	24.6	-0.001124	0.001015	-2.73	-7.37	2.15	-1.12	-3.07	0.87	0.2680	31.7	0.002564	0.001262	8.47	0.29	17.31	2.60	0.09	5.17	0.0425	0.0218
no2mx3	24.6	0.000429	0.000935	1.06	-3.40	5.72	0.43	-1.39	2.29	0.6470	31.7	0.001445	0.001242	4.69	-3.09	13.08	1.46	-0.98	3.95	0.2450	0.5100
o3m80	26.1	0.000169	0.001566	0.44	-7.29	8.82	0.17	-2.86	3.29	0.9140	32.5	0.002079	0.001371	6.99	-1.96	16.75	2.10	-0.61	4.88	0.1300	0.3490
o3m81	26.1	0.002375	0.001702	6.39	-2.48	16.07	2.40	-0.96	5.88	0.1630	32.5	0.002887	0.001410	9.84	0.40	20.16	2.93	0.12	5.81	0.0410	0.8070
o3m82	26.1	0.000790	0.001652	2.08	-6.19	11.08	0.79	-2.42	4.11	0.6330	32.5	0.002564	0.001298	8.69	0.06	18.06	2.60	0.02	5.24	0.0486	0.3860
o3m83	26.1	0.000498	0.001628	1.31	-6.79	10.11	0.50	-2.66	3.76	0.7600	32.5	0.000352	0.001281	1.15	-6.78	9.75	0.35	-2.14	2.90	0.7840	0.9420
so2av0	9.3	0.000656	0.002784	0.61	-4.37	5.85	0.66	-4.69	6.30	0.8140	8.6	-0.010804	0.004644	-8.87	-15.73	-1.45	-10.24	-18.05	-1.69	0.0202	0.0315
so2av1	9.3	-0.003616	0.002990	-3.31	-8.44	2.11	-3.55	-9.04	2.27	0.2270	8.6	-0.005808	0.004676	-4.87	-12.08	2.93	-5.64	-13.91	3.41	0.2150	0.6870
so2av2	9.3	-0.000186	0.002880	-0.17	-5.28	5.21	-0.19	-5.66	5.61	0.9490	8.6	-0.001994	0.004619	-1.70	-9.06	6.26	-1.97	-10.46	7.32	0.6660	0.7360
so2av3	9.3	0.001821	0.002780	1.71	-3.32	6.99	1.84	-3.56	7.54	0.5130	8.6	-0.000618	0.004560	-0.53	-7.89	7.42	-0.62	-9.11	8.67	0.8920	0.6440
so4av0	7.1	-0.007819	0.004493	-5.40	-11.13	0.70	-7.52	-15.32	0.99	0.0822	5.5	0.013997	0.007622	8.00	-0.52	17.25	15.02	-0.94	33.56	0.0667	0.0139
so4av1	7.1	-0.014531	0.004658	-9.80	-15.46	-3.76	-13.52	-21.07	-5.26	0.0019	5.5	0.016946	0.007400	9.77	1.35	18.88	18.47	2.47	36.96	0.0223	0.0004
so4av2	7.1	-0.013679	0.004584	-9.26	-14.86	-3.28	-12.78	-20.28	-4.59	0.0029	5.5	0.010552	0.007214	5.98	-1.95	14.55	11.13	-3.52	28.01	0.1440	0.0048
so4av3	7.1	-0.013740	0.004533	-9.29	-14.84	-3.39	-12.84	-20.25	-4.74	0.0025	5.5	0.009895	0.007241	5.59	-2.34	14.17	10.40	-4.21	27.24	0.1720	0.0059
com80	1.3	0.018213	0.015680	2.40	-1.61	6.57	0.18	-0.13	0.49	0.2460	0.5	-0.016759	0.066225	-0.83	-7.07	5.81	-0.17	-1.45	1.14	0.8000	0.6060
com81	1.3	-0.000163	0.016558	-0.02	-4.15	4.29	0.00	-0.32	0.32	0.9920	0.5	-0.037078	0.065890	-1.84	-7.98	4.71	-0.37	-1.65	0.92	0.5740	0.5850
com82	1.3	-0.009836	0.017815	-1.27	-5.65	3.31	-0.10	-0.45	0.25	0.5810	0.5	-0.083637	0.067463	-4.10	-10.23	2.46	-0.83	-2.14	0.49	0.2150	0.2880
com83	1.3	0.027930	0.016061	3.70	-0.46	8.03	0.28	-0.04	0.60	0.0824	0.5	-0.096803	0.067191	-4.72	-10.80	1.76	-0.96	-2.26	0.35	0.1500	0.0706
pm10av0	30.1	-0.001149	0.001041	-3.40	-9.16	2.72	-1.14	-3.14	0.90	0.2700	23.9	-0.001876	0.001792	-4.38	-12.08	3.99	-1.86	-5.25	1.65	0.2960	0.7250
pm10av1	30.1	-0.003027	0.001069	-8.71	-14.29	-2.77	-2.98	-4.99	-0.93	0.0047	23.9	-0.000379	0.001746	-0.90	-8.68	7.54	-0.38	-3.73	3.09	0.8280	0.1950
pm10av2	30.1	-0.003333	0.001070	-9.55	-15.08	-3.65	-3.28	-5.29	-1.23	0.0019	23.9	0.000304	0.001723	0.73	-7.08	9.20	0.30	-3.03	3.75	0.8600	0.0731
pm10av3	30.1	-0.002064	0.001046	-6.02	-11.65	-0.04	-2.04	-4.03	-0.01	0.0489	23.9	-0.000389	0.001709	-0.93	-8.55	7.33	-0.39	-3.67	3.00	0.8200	0.4030
smkav0	24.0	0.000590	0.001396	1.43	-5.02	8.31	0.59	-2.12	3.38	0.6720	11.1	-0.002007	0.003925	-2.20	-10.21	6.51	-1.99	-9.24	5.85	0.6090	0.5240
smkav1	24.0	-0.001114	0.001426	-2.64	-8.95	4.12	-1.11	-3.83	1.69	0.4350	11.1	0.004400	0.003849	5.01	-3.43	14.18	4.50	-3.09	12.69	0.2530	0.1680
smkav2	24.0	-0.003807	0.001483	-8.73	-14.88	-2.14	-3.74	-6.49	-0.90	0.0104	11.1	0.002391	0.003868	2.69	-5.60	11.70	2.42	-5.06	10.49	0.5370	0.1260
smkav3	24.0	0.000135	0.001414	0.32	-6.13	7.22	0.13	-2.60	2.95	0.9240	11.1	0.001938	0.003889	2.17	-6.12	11.20	1.96	-5.53	10.03	0.6180	0.6570
pfrav0	14.7	0.003445	0.001842	5.19	-0.24	10.93	3.51	-0.17	7.31	0.0618	6.6	0.001267	0.005385	0.84	-5.95	8.11	1.27	-8.87	12.55	0.8140	0.7000
pfrav1	14.7	-0.002114	0.001982	-3.06	-8.44	2.64	-2.09	-5.82	1.79	0.2860	6.6	0.004797	0.005323	3.22	-3.65	10.57	4.91	-5.48	16.45	0.3680	0.2200
pfrav2	14.7	-0.003310	0.002040	-4.75	-10.19	1.02	-3.26	-7.05	0.69	0.1050	6.6	-0.002854	0.005532	-1.87	-8.64	5.41	-2.81	-12.80	8.32	0.6060	0.9380
pfrav3	14.7	0.000806	0.001923	1.19	-4.26	6.96	0.81	-2.92	4.68	0.6750	6.6	-0.003734	0.005554	-2.43	-9.20	4.83	-3.66	-13.60	7.41	0.5020	0.4370
sfrav0	17.2	-0.003223	0.001863	-5.39	-11.15	0.74	-3.17	-6.64	0.43	0.0841	13.3	0.005841	0.003161	8.08	-0.47	17.36	6.02	-0.35	12.79	0.0649	0.0137
sfrav1	17.2	-0.006092	0.001933	-9.95	-15.63	-3.88	-5.91	-9.41	-2.28	0.0017	13.3	0.007030	0.003070	9.80	1.36	18.95	7.28	1.02	13.94	0.0223	0.0003
sfrav2	17.2	-0.005751	0.001903	-9.42	-15.05	-3.41	-5.59	-9.05	-2.00	0.0026	13.3	0.004453	0.002991	6.10	-1.86	14.70	4.55	-1.40	10.87	0.1370	0.0042
sfrav3	17.2	-0.005688	0.001880	-9.32	-14.89	-3.39	-5.53	-8.95	-1.98	0.0026	13.3	0.004130	0.003003	5.65	-2.31	14.25	4.22	-1.74	10.54	0.1690	0.0059
pm25av0	23.3	-0.001849	0.001552	-4.22	-10.77	2.82	-1.83	-4.77	1.20	0.2340	15.7	-0.000175	0.002692	-0.27	-8.20	8.34	-0.17	-5.30	5.23	0.9480	0.5910
pm25av1	23.3	-0.004326	0.001584	-9.59	-15.90	-2.80	-4.23	-7.16	-1.21	0.0065	15.7	0.001895	0.002572	3.02	-4.82	11.51	1.91	-3.10	7.18	0.4610	0.0402
pm25av2	23.3	-0.004708	0.001577	-10.39	-16.62	-3.70	-4.60	-7.50	-1.60	0.0029	15.7	0.002054	0.002544	3.28	-4.50	11.69	2.08	-2.89	7.29	0.4200	0.0243
pm25av3	23.3	-0.004405	0.001596	-9.76	-16.10	-2.93	-4.31	-7.26	-1.27	0.0059	15.7	0.001674	0.002543	2.66	-5.06	11.02	1.69	-3.26	6.88	0.5110	0.0435
pmcoarse	10.0	-0.004658	0.004201	-4.55	-12.09	3.64	-4.55	-12.09	3.64	0.2680	11.0	-0.006366	0.004105	-6.76	-14.66	1.86	-6.17	-13.42	1.69	0.1210	0.7710
pmcoarse1	10.0	-0.006627	0.004225	-6.41	-13.84	1.66	-6.41	-13.85	1.67	0.1170	11.0	-0.004830	0.004101	-5.17	-13.19	3.59	-4.72	-12.07	3.26	0.2390	0.7610
pmcoarse2	10.0	-0.010951	0.004326	-10.37	-17.65	-2.44	-10.37	-17.66	-2.44	0.0116	11.0	-0.001635	0.003990	-1.78	-9.87	7.04	-1.62	-9.02	6.38	0.6820	0.1160
pmcoarse3	10.0	-0.009590	0.004269	-9.14	-16.43	-1.21	-9.14	-16.44	-1.22	0.0250	11.0	-0.003699	0.003966	-3.98	-11.85	4.58	-3.63	-10.84	4.16	0.3510	0.3150
pm10av0*	31.7	-0.001822	0.001192	-5.61	-12.35	1.64	-1.81	-4.07	0.51	0.1270	23.9	-0.001258	0.001818	-2.96	-10.88	5.66	-1.25	-4.71	2.33	0.4890	0.7960
pm10av1*	31.7	-0.003565	0.001224	-10.69	-17.22	-3.63	-3.5	-5.79	-1.16	0.0037	23.9	0.000086	0.001760	0.21	-7.73	8.82	0.09	-3.31	3.6	0.9610	0.0907
pm10av2*	31.7	-0.003871	0.001223	-11.55	-18.02	-4.57	-3.8	-6.08	-1.46	0.0016	23.9	0.000696	0.001733	1.68	-6.25	10.28	0.7	-2.67	4.18	0.6880	0.0328
pm10av3*	31.7	-0.002958	0.001219	-8.95	-15.59	-1.79	-2.91	-5.21	-0.57	0.0155	23.9	-0.000053	0.001727	-0.13	-7.89	8.29	-0.05	-3.38	3.39	0.9760	0.1720

Table 42 IHD Ages 0-64 Hospital Admissions: seasonal results for cumulative day lags

Pol&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	-0.000586	0.001092	-1.30	-5.90	3.53	-0.58	-2.69	1.57	0.5920	28.4	0.001228	0.001411	3.55	-4.27	12.01	1.24	-1.52	4.07	0.3840	0.3020
no2mx02	20.0	-0.001106	0.001263	-2.19	-6.91	2.78	-1.10	-3.52	1.38	0.3820	27.2	0.002142	0.001504	6.00	-2.17	14.85	2.16	-0.80	5.22	0.1550	0.0942
no2mx03	18.9	-0.000798	0.001389	-1.50	-6.44	3.70	-0.79	-3.46	1.94	0.5660	25.2	0.002424	0.001596	6.30	-1.76	15.02	2.45	-0.70	5.71	0.1290	0.1250
o3m801	24.1	0.001468	0.001801	3.60	-4.85	12.80	1.48	-2.04	5.12	0.4150	30.3	0.003037	0.001544	9.64	0.03	20.17	3.08	0.01	6.25	0.0495	0.4920
o3m802	22.6	0.001633	0.001976	3.76	-4.94	13.25	1.65	-2.22	5.66	0.4090	27.0	0.003629	0.001629	10.29	1.19	20.22	3.70	0.44	7.06	0.0261	0.4180
o3m803	20.7	0.001637	0.002109	3.45	-5.04	12.69	1.65	-2.47	5.94	0.4380	27.5	0.003146	0.001708	9.04	-0.55	19.55	3.20	-0.20	6.71	0.0658	0.5640
so2av01	9.3	-0.001843	0.003313	-1.70	-7.46	4.42	-1.83	-8.00	4.76	0.5780	7.6	-0.010554	0.005240	-7.71	-14.64	-0.21	-10.02	-18.80	-0.28	0.0443	0.1520
so2av02	8.5	-0.001628	0.003714	-1.37	-7.29	4.92	-1.61	-8.52	5.81	0.6610	7.0	-0.009528	0.005742	-6.45	-13.54	1.21	-9.09	-18.76	1.74	0.0974	0.2390
so2av03	7.8	-0.000435	0.004030	-0.34	-6.29	5.99	-0.43	-8.00	7.75	0.9140	6.6	-0.008538	0.006152	-5.48	-12.71	2.35	-8.18	-18.61	3.58	0.1660	0.2630
so4av01	6.3	-0.012802	0.004855	-7.75	-13.12	-2.05	-12.02	-20.00	-3.23	0.0085	5.1	0.018739	0.008236	10.03	1.33	19.47	20.61	2.63	41.74	0.0231	0.0010
so4av02	5.8	-0.015208	0.005088	-8.44	-13.59	-2.99	-14.11	-22.26	-5.10	0.0029	4.7	0.018896	0.008622	9.27	0.92	18.30	20.75	1.98	42.98	0.0290	0.0007
so4av03	5.5	-0.017101	0.005263	-8.98	-14.00	-3.66	-15.72	-23.98	-6.56	0.0012	4.2	0.019239	0.008939	8.42	0.72	16.69	21.21	1.73	44.43	0.0317	0.0005
so4av04	5.4	-0.018791	0.005434	-9.65	-14.70	-4.30	-17.13	-25.50	-7.82	0.0006	3.7	0.018073	0.009341	6.92	-0.09	14.41	19.81	-0.24	43.88	0.0534	0.0007
so4av05	5.5	-0.021081	0.005516	-10.95	-16.09	-5.49	-19.01	-27.31	-9.76	0.0001	3.5	0.017754	0.009750	6.41	-0.47	13.77	19.43	-1.35	44.58	0.0690	0.0006
com801	1.1	0.012256	0.018443	1.36	-2.59	5.47	0.12	-0.24	0.49	0.5070	0.4	-0.031812	0.074064	-1.42	-7.66	5.23	-0.32	-1.75	1.14	0.6680	0.5620
com802	1.0	0.006038	0.021537	0.62	-3.66	5.10	0.06	-0.36	0.48	0.7790	0.4	-0.056575	0.081607	-2.40	-8.89	4.55	-0.56	-2.14	1.04	0.4880	0.4550
com803	1.0	0.020415	0.023746	2.17	-2.71	7.28	0.20	-0.26	0.67	0.3900	0.4	-0.089807	0.089650	-3.74	-10.67	3.72	-0.89	-2.62	0.86	0.3170	0.2320
pm10av01	28.2	-0.002637	0.001182	-7.17	-13.04	-0.90	-2.60	-4.83	-0.32	0.0259	21.6	-0.001382	0.001974	-2.94	-10.72	5.52	-1.37	-5.12	2.52	0.4840	0.5850
pm10av02	27.9	-0.003800	0.001291	-10.06	-16.19	-3.48	-3.73	-6.14	-1.26	0.0034	20.9	-0.000879	0.002120	-1.82	-9.99	7.09	-0.87	-4.91	3.33	0.6790	0.2390
pm10av03	25.8	-0.004210	0.001378	-10.29	-16.33	-3.82	-4.12	-6.68	-1.50	0.0023	20.1	-0.000866	0.002255	-1.73	-10.08	7.41	-0.86	-5.15	3.62	0.7010	0.2070
pm10av04	24.2	-0.004452	0.001456	-10.21	-16.21	-3.79	-4.35	-7.05	-1.58	0.0023	19.7	-0.001083	0.002385	-2.11	-10.72	7.33	-1.08	-5.60	3.66	0.6500	0.2300
pm10av05	23.2	-0.004594	0.001532	-10.11	-16.16	-3.62	-4.49	-7.31	-1.58	0.0028	18.5	-0.001025	0.002501	-1.88	-10.38	7.44	-1.02	-5.75	3.95	0.6820	0.2250
smkav01	19.7	-0.000349	0.001624	-0.69	-6.72	5.74	-0.35	-3.47	2.87	0.8300	10.0	0.001727	0.004553	1.74	-6.94	11.24	1.74	-6.94	11.24	0.7050	0.6610
smkav02	18.6	-0.002315	0.001835	-4.21	-10.41	2.41	-2.29	-5.74	1.29	0.2080	8.7	0.002943	0.005101	2.59	-5.95	11.92	2.99	-6.81	13.82	0.5640	0.3240
smkav03	17.3	-0.002059	0.002007	-3.50	-9.85	3.30	-2.04	-5.82	1.89	0.3050	7.8	0.003860	0.005643	3.06	-5.46	12.34	3.93	-6.95	16.09	0.4940	0.3180
smkav04	16.1	-0.002029	0.002159	-3.21	-9.59	3.61	-2.01	-6.07	2.23	0.3480	7.6	0.005279	0.006183	4.09	-5.07	14.14	5.42	-6.61	19.00	0.3940	0.2630
smkav05	14.6	-0.001720	0.002301	-2.48	-8.69	4.16	-1.71	-6.04	2.83	0.4550	6.8	0.003028	0.006733	2.08	-6.68	11.66	3.07	-9.67	17.61	0.6530	0.5040
pfrav01	13.1	0.001130	0.002220	1.49	-4.13	7.44	1.14	-3.17	5.63	0.6110	5.9	0.003583	0.006068	2.14	-4.79	9.56	3.65	-7.98	16.74	0.5550	0.7020
pfrav02	12.1	-0.001085	0.002514	-1.30	-7.02	4.76	-1.08	-5.83	3.92	0.6660	5.3	0.001726	0.006736	0.92	-5.90	8.23	1.74	-10.84	16.10	0.7980	0.6940
pfrav03	11.6	-0.000598	0.002732	-0.69	-6.67	5.67	-0.60	-5.78	4.87	0.8270	4.9	-0.000389	0.007381	-0.19	-7.02	7.14	-0.39	-13.80	15.12	0.9580	0.9790
pfrav04	11.2	-0.001186	0.002924	-1.32	-7.45	5.22	-1.18	-6.68	4.65	0.6850	4.8	-0.001178	0.007994	-0.56	-7.77	7.20	-1.17	-15.50	15.59	0.8830	0.9990
pfrav05	10.8	-0.000947	0.003092	-1.02	-7.29	5.68	-0.94	-6.77	5.25	0.7590	4.4	-0.003816	0.008600	-1.67	-8.69	5.91	-3.74	-18.68	13.93	0.6570	0.7540
sfrav01	15.2	-0.005331	0.002014	-7.78	-13.15	-2.08	-5.19	-8.86	-1.37	0.0083	12.2	0.007801	0.003416	9.98	1.36	19.35	8.11	1.11	15.60	0.0227	0.0010
sfrav02	14.0	-0.006302	0.002110	-8.47	-13.64	-3.00	-6.11	-9.91	-2.14	0.0029	11.3	0.007883	0.003577	9.32	0.99	18.33	8.20	0.88	16.06	0.0278	0.0007
sfrav03	13.2	-0.007089	0.002183	-8.93	-13.93	-3.64	-6.84	-10.74	-2.77	0.0012	10.0	0.008042	0.003708	8.37	0.78	16.54	8.37	0.78	16.54	0.0304	0.0005
sfrav04	13.0	-0.008154	0.002298	-10.06	-15.17	-4.63	-7.83	-11.89	-3.58	0.0004	8.9	0.008084	0.004019	7.46	0.18	15.26	8.42	0.21	17.30	0.0446	0.0005
sfrav05	12.6	-0.008469	0.002372	-10.12	-15.24	-4.70	-8.12	-12.30	-3.75	0.0004	8.7	0.008151	0.004267	7.35	-0.18	15.45	8.49	-0.21	17.96	0.0564	0.0007
pm25av01	22.7	-0.003905	0.001719	-8.48	-15.22	-1.21	-3.83	-7.02	-0.53	0.0234	15.3	0.001662	0.002881	2.58	-5.91	11.83	1.68	-3.91	7.58	0.5640	0.0980
pm25av02	22.4	-0.005703	0.001852	-11.99	-18.86	-4.54	-5.54	-8.91	-2.05	0.0022	13.5	0.002030	0.003069	2.78	-5.24	11.47	2.05	-3.91	8.38	0.5080	0.0316
pm25av03	22.2	-0.006854	0.001997	-14.11	-21.26	-6.32	-6.62	-10.21	-2.90	0.0006	12.8	0.002245	0.003266	2.92	-5.18	11.70	2.27	-4.07	9.03	0.4920	0.0181
pm25av04	21.4	-0.006681	0.002127	-13.32	-20.72	-5.23	-6.46	-10.28	-2.48	0.0018	11.9	0.002296	0.003463	2.77	-5.20	11.42	2.32	-4.39	9.51	0.5080	0.0282
pm25av05	19.6	-0.006498	0.002243	-11.96	-19.23	-4.04	-6.29	-10.32	-2.08	0.0039	10.9	0.002218	0.003681	2.45	-5.30	10.83	2.24	-4.87	9.89	0.5470	0.0444
pmcoarsem01	8.9	-0.007679	0.004934	-6.60	-14.30	1.78	-7.39	-15.93	2.01	0.1200	10.3	-0.007486	0.004703	-7.42	-15.80	1.79	-7.21	-15.38	1.75	0.1120	0.9780
pmcoarsem02	8.0	-0.011758	0.005591	-8.97	-16.61	-0.63	-11.09	-20.32	-0.80	0.0358	9.3	-0.006123	0.005152	-5.53	-14.00	3.76	-5.94	-14.97	4.06	0.2350	0.4650
pmcoarsem03	7.7	-0.015600	0.006133	-11.31	-19.15	-2.71	-14.44	-24.13	-3.52	0.0112	9.2	-0.007100	0.005555	-6.32	-15.25	3.54	-6.85	-16.46	3.86	0.2020	0.3140
pmcoarsem04	6.9	-0.018357	0.006707	-11.89	-19.53	-3.53	-16.77	-27.02	-5.08	0.0064	8.9	-0.007207	0.005947	-6.21	-15.45	4.03	-6.95	-17.19	4.55	0.2260	0.2250
pmcoarsem05	6.7	-0.021081	0.007319	-13.17	-21.12	-4.41	-19.01	-29.83	-6.51	0.0041	8.8	-0.005373	0.006275	-4.61	-14.40	6.28	-5.23	-16.20	7.17	0.3920	0.1140
pm10av01*	30	-0.003341	0.001343	-9.54	-16.41	-2.1	-3.29	-5.8	-0.71	0.0131	21.6	-0.000689	0.001995	-1.48	-9.46	7.21	-0.69	-4.5	3.27	0.7300	0.2740
pm10av02*	29.3	-0.004567	0.001466	-12.52	-19.58	-4.84	-4.46	-7.17	-1.68	0.00191	20.9	-0.000127	0.00214	-0.26	-8.64	8.88	-0.13	-4.23	4.15	0.9530	0.0910
pm10av03*	26.8	-0.005263	0.001577	-13.16	-20.06	-5.65	-5.13	-8.02	-2.15	0.00089	20.1	-0.000056	0.00228	-0.11	-8.69	9.27	-0.06	-4.42	4.51	0.9810	0.0646
pm10av04*	24.8	-0.005634	0.001683	-13.04	-19.87	-5.63	-5.48	-8.55	-2.31	0.00086	19.7	-0.000361	0.002415	-0.71	-9.55	9	-0.36	-4.97	4.47	0.8810	0.0786
pm10av05*	24.6	-0.005834	0.001783	-13.37	-20.51	-5.59	-5.67	-8.91	-2.31	0.00112	18.5	-0.000301	0.002537	-0.55	-9.29	9.03	-0.3	-5.14	4.78	0.9060	0.0802

Table 43: IHD Ages 65+ Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx0	24.6	0.000237	0.000802	0.59	-3.23	4.55	0.24	-1.33	1.83	0.7680	31.7	0.000897	0.001085	2.88	-3.82	10.06	0.90	-1.22	3.07	0.4080	0.6200
no2mx1	24.6	0.000601	0.000820	1.49	-2.45	5.58	0.60	-1.00	2.23	0.4640	31.7	0.001405	0.001102	4.56	-2.36	11.96	1.42	-0.75	3.63	0.2020	0.5500
no2mx2	24.6	-0.000296	0.000836	-0.73	-4.65	3.36	-0.30	-1.92	1.35	0.7230	31.7	0.000909	0.001113	2.92	-3.95	10.29	0.91	-1.26	3.14	0.4140	0.3830
no2mx3	24.6	0.000947	0.000782	2.36	-1.43	6.29	0.95	-0.58	2.51	0.2260	31.7	0.000872	0.001084	2.80	-3.89	9.96	0.88	-1.24	3.04	0.4210	0.9550
o3m8l0	26.1	-0.001846	0.001362	-4.70	-11.12	2.17	-1.83	-4.42	0.83	0.1760	32.5	0.000905	0.001111	2.98	-4.05	10.54	0.91	-1.26	3.13	0.4160	0.1120
o3m8l1	26.1	-0.001404	0.001439	-3.60	-10.44	3.77	-1.39	-4.14	1.43	0.3290	32.5	0.002609	0.001196	8.85	0.86	17.47	2.64	0.26	5.08	0.0295	0.0271
o3m8l2	26.1	-0.000823	0.001511	-2.13	-9.40	5.74	-0.82	-3.71	2.16	0.5860	32.5	0.000858	0.001208	2.83	-4.79	11.06	0.86	-1.50	3.28	0.4780	0.3670
o3m8l3	26.1	-0.001604	0.001462	-4.10	-11.01	3.35	-1.59	-4.37	1.27	0.2730	32.5	0.000113	0.001118	0.37	-6.53	7.78	0.11	-2.06	2.33	0.9200	0.3410
so2av0	9.3	0.001483	0.002404	1.39	-2.96	5.93	1.49	-3.18	6.39	0.5380	8.6	-0.000593	0.003832	-0.51	-6.73	6.13	-0.59	-7.78	7.16	0.8770	0.6410
so2av1	9.3	0.002030	0.002432	1.91	-2.51	6.53	2.05	-2.70	7.03	0.4040	8.6	0.001361	0.003857	1.18	-5.19	7.97	1.37	-6.01	9.33	0.7240	0.8810
so2av2	9.3	-0.000438	0.002449	-0.41	-4.76	4.14	-0.44	-5.10	4.46	0.8580	8.6	-0.001527	0.003928	-1.30	-7.63	5.45	-1.52	-8.81	6.37	0.6980	0.8120
so2av3	9.3	0.002148	0.002384	2.02	-2.32	6.55	2.17	-2.49	7.06	0.3680	8.6	0.002350	0.003860	2.04	-4.39	8.90	2.38	-5.08	10.42	0.5430	0.9640
so4av0	7.1	0.000997	0.003726	0.71	-4.38	6.07	1.00	-6.11	8.65	0.7890	5.5	0.010149	0.006255	5.74	-1.15	13.12	10.68	-2.09	25.12	0.1050	0.2090
so4av1	7.1	0.001756	0.003741	1.25	-3.88	6.67	1.77	-5.42	9.51	0.6390	5.5	0.005325	0.006310	2.97	-3.80	10.22	5.47	-6.80	19.35	0.3990	0.6270
so4av2	7.1	0.001421	0.003788	1.01	-4.17	6.48	1.43	-5.83	9.25	0.7080	5.5	0.003479	0.006260	1.93	-4.72	9.05	3.54	-8.42	17.06	0.5790	0.7790
so4av3	7.1	-0.004051	0.003821	-2.84	-7.87	2.47	-3.97	-10.90	3.50	0.2890	5.5	0.006101	0.006233	3.41	-3.31	10.60	6.29	-5.93	20.10	0.3280	0.1670
com8l0	1.3	0.001695	0.014254	0.22	-3.35	3.93	0.02	-0.26	0.30	0.9050	0.5	0.063026	0.054981	3.20	-2.21	8.91	0.63	-0.45	1.72	0.2520	0.2780
com8l1	1.3	0.020523	0.013880	2.70	-0.86	6.40	0.21	-0.07	0.48	0.1400	0.5	0.064281	0.053792	3.27	-2.04	8.86	0.64	-0.41	1.71	0.2320	0.4270
com8l2	1.3	0.003069	0.014695	0.40	-3.29	4.23	0.03	-0.26	0.32	0.8350	0.5	-0.016737	0.055996	-0.83	-6.13	4.76	-0.17	-1.26	0.93	0.7650	0.7310
com8l3	1.3	0.021558	0.013924	2.84	-0.74	6.56	0.22	-0.06	0.49	0.1220	0.5	-0.036700	0.056266	-1.82	-7.09	3.75	-0.37	-1.46	0.74	0.5140	0.3140
pm10av0	30.1	-0.000229	0.000884	-0.69	-5.73	4.63	-0.23	-1.94	1.51	0.7950	23.9	0.001964	0.001470	4.81	-2.17	12.28	1.98	-0.91	4.96	0.1820	0.1980
pm10av1	30.1	0.000379	0.000878	1.15	-3.96	6.52	0.38	-1.33	2.12	0.6660	23.9	0.002660	0.001466	6.56	-0.51	14.14	2.70	-0.21	5.69	0.0701	0.1780
pm10av2	30.1	-0.000149	0.000877	-0.45	-5.47	4.84	-0.15	-1.85	1.58	0.8650	23.9	-0.000956	0.001481	-2.26	-8.81	4.77	-0.95	-3.79	1.97	0.5190	0.6390
pm10av3	30.1	0.000256	0.000871	0.77	-4.27	6.09	0.26	-1.44	1.98	0.7690	23.9	-0.000352	0.001461	-0.84	-7.40	6.19	-0.35	-3.17	2.54	0.8100	0.7210
smkav0	24.0	-0.000086	0.001221	-0.21	-5.77	5.69	-0.09	-2.45	2.33	0.9440	11.1	0.002791	0.003280	3.15	-3.96	10.77	2.83	-3.57	9.66	0.3950	0.4000
smkav1	24.0	0.001134	0.001213	2.76	-2.94	8.79	1.14	-1.24	3.57	0.3500	11.1	0.003135	0.003260	3.54	-3.55	11.15	3.18	-3.20	9.99	0.3360	0.5540
smkav2	24.0	0.000317	0.001212	0.76	-4.82	6.67	0.32	-2.04	2.73	0.7940	11.1	-0.003981	0.003321	-4.32	-10.99	2.85	-3.90	-9.96	2.56	0.2310	0.2140
smkav3	24.0	0.001099	0.001203	2.67	-2.98	8.65	1.11	-1.25	3.52	0.3610	11.1	-0.000511	0.003276	-0.57	-7.40	6.78	-0.51	-6.70	6.09	0.8760	0.6380
pfrav0	14.7	-0.000974	0.001674	-1.42	-6.06	3.45	-0.97	-4.17	2.33	0.5610	6.6	0.004245	0.004555	2.84	-3.04	9.08	4.34	-4.58	14.08	0.3520	0.2790
pfrav1	14.7	0.001203	0.001650	1.78	-2.94	6.74	1.21	-2.01	4.54	0.4660	6.6	0.007434	0.004531	5.03	-0.95	11.37	7.72	-1.44	17.72	0.1010	0.1930
pfrav2	14.7	0.001473	0.001639	2.19	-2.52	7.13	1.48	-1.72	4.80	0.3690	6.6	-0.002227	0.004741	-1.46	-7.32	4.77	-2.20	-10.88	7.32	0.6390	0.4590
pfrav3	14.7	0.000042	0.001674	0.06	-4.65	5.01	0.04	-3.19	3.38	0.9800	6.6	-0.000599	0.004740	-0.39	-6.32	5.90	-0.60	-9.42	9.08	0.9000	0.8980
sfrav0	17.2	0.000461	0.001544	0.80	-4.32	6.18	0.46	-2.53	3.55	0.7650	13.3	0.004208	0.002594	5.76	-1.16	13.16	4.30	-0.87	9.74	0.1050	0.2140
sfrav1	17.2	0.000692	0.001553	1.20	-3.96	6.64	0.69	-2.32	3.81	0.6560	13.3	0.002210	0.002618	2.98	-3.81	10.26	2.23	-2.88	7.62	0.3990	0.6190
sfrav2	17.2	0.000547	0.001572	0.95	-4.26	6.44	0.55	-2.50	3.69	0.7280	13.3	0.001430	0.002596	1.92	-4.75	9.06	1.44	-3.59	6.74	0.5820	0.7720
sfrav3	17.2	-0.001661	0.001584	-2.82	-7.87	2.51	-1.65	-4.65	1.45	0.2950	13.3	0.002486	0.002585	3.36	-3.37	10.57	2.52	-2.55	7.84	0.3360	0.1740
pm25av0	23.3	-0.000770	0.001326	-1.78	-7.55	4.35	-0.77	-3.31	1.85	0.5620	15.7	0.004244	0.002204	6.89	-0.12	14.39	4.34	-0.08	8.94	0.0546	0.0519
pm25av1	23.3	-0.001980	0.001352	-4.51	-10.23	1.57	-1.96	-4.52	0.67	0.1430	15.7	0.003397	0.002204	5.48	-1.44	12.88	3.46	-0.92	8.02	0.1240	0.0381
pm25av2	23.3	-0.000300	0.001306	-0.70	-6.45	5.41	-0.30	-2.82	2.29	0.8180	15.7	-0.001141	0.002215	-1.77	-8.25	5.15	-1.13	-5.33	3.25	0.6070	0.7450
pm25av3	23.3	-0.000910	0.001319	-2.10	-7.82	3.98	-0.91	-3.44	1.69	0.4900	15.7	0.000064	0.002194	0.10	-6.44	7.09	0.06	-4.15	4.46	0.9770	0.7050
pmcoarse	10.0	-0.002568	0.003607	-2.53	-9.18	4.60	-2.53	-9.19	4.60	0.4770	11.0	0.000728	0.003443	0.8	-6.4	8.57	0.73	-5.84	7.76	0.8330	0.5110
pmcoarse1	10.0	-0.000459	0.003573	-0.45	-7.19	6.76	-0.46	-7.19	6.76	0.8980	11.0	0.005266	0.003361	5.96	-1.44	13.92	5.41	-1.31	12.58	0.1180	0.2480
pmcoarse2	10.0	-0.006862	0.003649	-6.63	-13.07	0.29	-6.63	-13.08	0.29	0.0604	11.0	-0.003413	0.003472	-3.68	-10.63	3.8	-3.36	-9.71	3.45	0.3260	0.4970
pmcoarse3	10.0	-0.003351	0.003615	-3.29	-9.91	3.80	-3.30	-9.91	3.80	0.3540	11.0	-0.004088	0.003404	-4.39	-11.16	2.88	-4.01	-10.20	2.62	0.2300	0.8840
pm10av0*	31.7	-0.000910	0.001013	-2.84	-8.77	3.47	-0.91	-2.85	1.08	0.3690	23.9	0.002070	0.001516	5.07	-2.13	12.81	2.09	-0.9	5.17	0.1730	0.1040
pm10av1*	31.7	-0.000823	0.001018	-2.58	-8.55	3.79	-0.82	-2.78	1.18	0.4190	23.9	0.002824	0.001497	6.98	-0.26	14.76	2.86	-0.11	5.93	0.0597	0.0461
pm10av2*	31.7	-0.000855	0.001018	-2.67	-8.64	3.68	-0.85	-2.81	1.15	0.4010	23.9	-0.000868	0.001516	-2.05	-8.77	5.16	-0.86	-3.77	2.13	0.5670	0.9940
pm10av3*	31.7	-0.000370	0.001012	-1.16	-7.19	5.25	-0.37	-2.33	1.63	0.7150	23.9	-0.000355	0.001492	-0.85	-7.54	6.33	-0.35	-3.23	2.6	0.8120	0.9940

Table 44 IHD Ages 65+ Hospital Admissions: seasonal results for cumulative day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	0.000544	0.000929	1.22	-2.81	5.41	0.55	-1.27	2.39	0.5580	28.4	0.001388	0.001201	4.02	-2.70	11.21	1.40	-0.96	3.81	0.2480	0.5710
no2mx02	20.0	0.000302	0.001063	0.61	-3.50	4.89	0.30	-1.77	2.41	0.7760	27.2	0.001491	0.001300	4.14	-2.83	11.61	1.50	-1.05	4.12	0.2510	0.4720
no2mx03	18.9	0.000778	0.001165	1.48	-2.81	5.96	0.78	-1.49	3.11	0.5040	25.2	0.001648	0.001388	4.24	-2.67	11.64	1.66	-1.07	4.47	0.2360	0.6290
o3m801	24.1	-0.002041	0.001556	-4.80	-11.55	2.46	-2.02	-4.96	1.01	0.1900	30.3	0.002066	0.001273	6.46	-1.29	14.82	2.09	-0.43	4.67	0.1050	0.0365
o3m802	22.6	-0.002040	0.001744	-4.51	-11.60	3.16	-2.02	-5.31	1.39	0.2420	27.0	0.002052	0.001408	5.70	-1.89	13.88	2.07	-0.71	4.93	0.1450	0.0592
o3m803	20.7	-0.002443	0.001882	-4.93	-11.92	2.61	-2.41	-5.95	1.25	0.1950	25.5	0.001755	0.001493	4.95	-3.17	13.74	1.77	-1.16	4.79	0.2400	0.0706
so2av01	9.3	0.002327	0.002789	2.19	-2.88	7.52	2.35	-3.09	8.11	0.4040	7.6	0.000483	0.004307	0.37	-5.87	7.02	0.48	-7.65	9.33	0.9110	0.7140
so2av02	8.5	0.001700	0.003135	1.46	-3.71	6.90	1.71	-4.35	8.16	0.5880	7.0	-0.000363	0.004766	-0.25	-6.57	6.49	-0.36	-9.25	9.39	0.9390	0.7130
so2av03	7.8	0.002613	0.003415	2.06	-3.13	7.53	2.65	-4.00	9.75	0.4440	6.6	0.000735	0.005142	0.49	-5.98	7.40	0.74	-8.92	11.42	0.8860	0.7570
so4av01	6.3	0.001661	0.003943	1.05	-3.75	6.09	1.67	-5.89	9.84	0.6740	5.1	0.009417	0.006837	4.92	-2.01	12.34	9.88	-3.90	25.63	0.1690	0.3260
so4av02	5.8	0.001660	0.004133	0.97	-3.67	5.82	1.67	-6.24	10.25	0.6880	4.7	0.008930	0.007262	4.29	-2.46	11.50	9.34	-5.17	26.07	0.2190	0.3850
so4av03	5.5	0.000047	0.004304	0.03	-4.51	4.78	0.05	-8.05	8.85	0.9910	4.2	0.009717	0.007635	4.17	-2.18	10.92	10.20	-5.11	27.99	0.2030	0.2720
so4av04	5.4	-0.001645	0.004461	-0.88	-5.46	3.91	-1.63	-9.87	7.36	0.7120	3.7	0.006293	0.008068	2.36	-3.46	8.52	6.50	-9.08	24.74	0.4360	0.3910
so4av05	5.5	-0.003618	0.004541	-1.97	-6.65	2.95	-3.55	-11.77	5.42	0.4260	3.5	0.003084	0.008498	1.09	-4.64	7.15	3.13	-12.69	21.82	0.7170	0.4880
com801	1.1	0.014933	0.016180	1.66	-1.83	5.26	0.15	-0.17	0.47	0.3560	0.4	0.079869	0.060880	3.66	-1.76	9.38	0.80	-0.39	2.01	0.1900	0.2990
com802	1.0	0.014666	0.018626	1.52	-2.22	5.41	0.15	-0.22	0.51	0.4310	0.4	0.052612	0.067526	2.29	-3.37	8.28	0.53	-0.79	1.87	0.4360	0.5850
com803	1.0	0.024826	0.020592	2.64	-1.62	7.08	0.25	-0.16	0.65	0.2280	0.4	0.030032	0.074484	1.28	-4.81	7.77	0.30	-1.15	1.78	0.6870	0.9460
pm10av01	28.2	0.000098	0.000988	0.28	-5.05	5.90	0.10	-1.82	2.06	0.9210	21.6	0.002881	0.001639	6.42	-0.71	14.06	2.92	-0.33	6.28	0.0791	0.1420
pm10av02	27.9	-0.000012	0.001076	-0.03	-5.74	6.02	-0.01	-2.10	2.12	0.9910	20.9	0.001790	0.001787	3.81	-3.52	11.70	1.81	-1.70	5.44	0.3170	0.3850
pm10av03	25.8	0.000093	0.001148	0.24	-5.41	6.23	0.09	-2.13	2.37	0.9360	20.1	0.001387	0.001916	2.83	-4.65	10.89	1.40	-2.34	5.28	0.4690	0.5610
pm10av04	24.2	-0.000131	0.001217	-0.32	-5.91	5.61	-0.13	-2.48	2.28	0.9140	19.7	0.001470	0.002040	2.94	-4.86	11.38	1.48	-2.50	5.62	0.4720	0.5000
pm10av05	23.2	-0.000382	0.001285	-0.88	-6.51	5.08	-0.38	-2.86	2.16	0.7670	18.5	0.001126	0.002156	2.10	-5.57	10.41	1.13	-3.05	5.50	0.6020	0.5490
smkav01	19.7	0.000691	0.001404	1.37	-3.98	7.02	0.69	-2.04	3.50	0.6230	10.0	0.004014	0.003815	4.10	-3.40	12.18	4.10	-3.40	12.18	0.2930	0.4030
smkav02	18.6	0.000735	0.001559	1.38	-4.22	7.31	0.74	-2.29	3.86	0.6370	8.7	0.001105	0.004309	0.97	-6.19	8.66	1.11	-7.08	10.02	0.7980	0.9340
smkav03	17.3	0.001199	0.001699	2.10	-3.62	8.15	1.21	-2.11	4.63	0.4810	7.8	0.000658	0.004741	0.51	-6.51	8.07	0.66	-8.27	10.46	0.8900	0.9130
smkav04	16.1	0.001153	0.001835	1.87	-3.86	7.95	1.16	-2.41	4.86	0.5300	7.6	-0.000388	0.005190	-0.29	-7.71	7.72	-0.39	-10.02	10.28	0.9400	0.7780
smkav05	14.6	0.000882	0.001974	1.30	-4.27	7.18	0.89	-2.94	4.86	0.6550	6.8	-0.002190	0.005643	-1.48	-8.62	6.22	-2.17	-12.41	9.27	0.6980	0.6060
pfrav01	13.1	-0.000034	0.001944	-0.04	-4.91	5.07	-0.03	-3.77	3.85	0.9860	5.9	0.007546	0.005130	4.55	-1.47	10.94	7.84	-2.48	19.24	0.1420	0.1640
pfrav02	12.1	0.000721	0.002133	0.88	-4.10	6.11	0.72	-3.40	5.02	0.7360	5.3	0.004878	0.005715	2.62	-3.30	8.90	5.00	-6.13	17.44	0.3940	0.4940
pfrav03	11.6	0.000688	0.002324	0.80	-4.39	6.27	0.69	-3.79	5.38	0.7670	4.9	0.003840	0.006241	1.90	-4.03	8.19	3.91	-8.05	17.44	0.5390	0.6360
pfrav04	11.2	0.000679	0.002496	0.76	-4.61	6.44	0.68	-4.13	5.73	0.7860	4.8	0.003188	0.006774	1.54	-4.73	8.22	3.24	-9.60	17.90	0.6380	0.7290
pfrav05	10.8	0.000492	0.002655	0.53	-4.96	6.35	0.49	-4.60	5.86	0.8530	4.4	0.001799	0.007270	0.79	-5.33	7.32	1.81	-11.71	17.41	0.8050	0.8670
sfrav01	15.2	0.000682	0.001636	1.04	-3.76	6.09	0.68	-2.49	3.96	0.6770	12.2	0.003906	0.002836	4.88	-2.00	12.24	3.98	-1.64	9.93	0.1690	0.3250
sfrav02	14.0	0.000695	0.001714	0.98	-3.67	5.86	0.70	-2.63	4.14	0.6850	11.3	0.003710	0.003013	4.28	-2.45	11.48	3.78	-2.17	10.09	0.2190	0.3860
sfrav03	13.2	0.000032	0.001785	0.04	-4.47	4.77	0.03	-3.41	3.59	0.9860	10.0	0.004026	0.003168	4.11	-2.16	10.78	4.11	-2.16	10.78	0.2040	0.2740
sfrav04	13.0	-0.000493	0.001882	-0.64	-5.29	4.24	-0.49	-4.09	3.25	0.7940	8.9	0.002361	0.003478	2.12	-3.89	8.51	2.39	-4.36	9.61	0.4970	0.4720
sfrav05	12.6	-0.000773	0.001945	-0.97	-5.61	3.90	-0.77	-4.48	3.09	0.6910	8.7	0.001885	0.003705	1.65	-4.57	8.28	1.90	-5.24	9.58	0.6110	0.5270
pm25av01	22.7	-0.001859	0.001470	-4.13	-10.20	2.35	-1.84	-4.63	1.03	0.2070	15.3	0.004317	0.002433	6.83	-0.69	14.92	4.41	-0.45	9.51	0.0765	0.0304
pm25av02	22.4	-0.001356	0.001563	-2.99	-9.43	3.90	-1.35	-4.32	1.72	0.3860	13.5	0.002508	0.002637	3.44	-3.53	10.92	2.54	-2.62	7.98	0.3420	0.2090
pm25av03	22.2	-0.001432	0.001678	-3.13	-9.95	4.21	-1.42	-4.61	1.87	0.3940	12.8	0.002388	0.002833	3.10	-3.97	10.70	2.42	-3.12	8.26	0.4000	0.2490
pm25av04	21.4	-0.001850	0.001789	-3.88	-10.83	3.61	-1.83	-5.22	1.67	0.3010	11.9	0.002797	0.003003	3.38	-3.61	10.88	2.84	-3.04	9.07	0.3520	0.1860
pm25av05	19.6	-0.002297	0.001891	-4.40	-11.10	2.80	-2.27	-5.83	1.42	0.2250	10.9	0.002830	0.003184	3.13	-3.65	10.39	2.87	-3.35	9.50	0.3740	0.1690
pmcoarsem01	8.9	-0.000949	0.004188	-0.84	-7.82	6.67	-0.94	-8.75	7.53	0.8210	10.3	0.003309	0.003948	3.46	-4.45	12.05	3.36	-4.33	11.68	0.4020	0.4660
pmcoarsem02	8.0	-0.003762	0.004744	-2.96	-9.92	4.52	-3.69	-12.24	5.69	0.4280	9.3	0.000825	0.004435	0.77	-7.05	9.25	0.83	-7.57	9.98	0.8520	0.4900
pmcoarsem03	7.7	-0.005087	0.005194	-3.84	-11.09	3.99	-4.96	-14.16	5.22	0.3280	9.2	-0.001592	0.004835	-1.45	-9.68	7.52	-1.58	-10.48	8.20	0.7420	0.6330
pmcoarsem04	6.9	-0.008779	0.005699	-5.87	-12.85	1.66	-8.40	-18.09	2.42	0.1240	8.9	-0.003326	0.005195	-2.91	-11.32	6.29	-3.27	-12.64	7.10	0.5220	0.4960
pmcoarsem05	6.7	-0.010804	0.006232	-6.98	-14.29	0.94	-10.24	-20.56	1.42	0.0835	8.8	-0.005020	0.005513	-4.32	-13.00	5.22	-4.90	-14.64	5.96	0.3630	0.5060
pm10av01*	30	-0.001098	0.001131	-3.24	-9.47	3.42	-1.09	-3.26	1.13	0.332	21.6	0.003088	0.001688	6.9	-0.48	14.82	3.14	-0.22	6.61	0.0678	0.0420
pm10av02*	29.3	-0.001301	0.001232	-3.74	-10.32	3.32	-1.29	-3.65	1.12	0.291	20.9	0.002038	0.001848	4.35	-3.26	12.56	2.06	-1.57	5.82	0.2700	0.1390
pm10av03*	26.8	-0.001285	0.001321	-3.38	-9.86	3.56	-1.28	-3.8	1.31	0.331	20.1	0.001624	0.001989	3.32	-4.47	11.74	1.64	-2.25	5.68	0.4150	0.2330
pm10av04*	24.8	-0.001624	0.001409	-3.95	-10.3	2.86	-1.61	-4.29	1.14	0.249	19.7	0.001667	0.002108	3.34	-4.74	12.1	1.68	-2.43	5.97	0.4290	0.2050
pm10av05*	24.6	-0.002108	0.001495	-5.05	-11.66	2.04	-2.09	-4.91	0.83	0.159	18.5	0.001387	0.002218	2.6	-5.33	11.19	1.4	-2.92	5.9	0.5320	0.2030

Table 45 Stroke Ages 65+ Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.s
no2mx10	24.6	-0.000996	0.000956	-2.42	-6.81	2.18	-0.99	-2.83	0.88	0.2980	31.7	-0.000133	0.001313	-0.42	-8.22	8.04	-0.13	-2.67	2.47	0.9190	0.5920
no2mx11	24.6	-0.000118	0.000939	-0.29	-4.70	4.33	-0.12	-1.94	1.74	0.9000	31.7	0.000655	0.001314	2.10	-5.91	10.79	0.66	-1.90	3.28	0.6180	0.6280
no2mx12	24.6	-0.000716	0.000973	-1.75	-6.25	2.97	-0.71	-2.59	1.20	0.4620	31.7	-0.000030	0.001336	-0.09	-8.05	8.55	-0.03	-2.61	2.62	0.9820	0.6740
no2mx13	24.6	-0.000506	0.000947	-1.24	-5.65	3.38	-0.51	-2.34	1.36	0.5930	31.7	-0.000665	0.001328	-2.09	-9.84	6.33	-0.66	-3.22	1.96	0.6170	0.9220
o3m810	26.1	0.003587	0.001579	9.81	1.29	19.05	3.65	0.49	6.91	0.0234	32.5	-0.000158	0.001306	-0.51	-8.45	8.11	-0.16	-2.68	2.43	0.9030	0.0628
o3m811	26.1	0.001271	0.001597	3.37	-4.74	12.17	1.28	-1.84	4.50	0.4260	32.5	-0.000908	0.001359	-2.91	-10.96	5.88	-0.90	-3.51	1.77	0.5050	0.2840
o3m812	26.1	0.002307	0.001690	6.21	-2.59	15.80	2.33	-1.00	5.78	0.1730	32.5	0.000184	0.001423	0.60	-8.11	10.14	0.18	-2.57	3.02	0.8970	0.2950
o3m813	26.1	0.000489	0.001652	1.28	-6.92	10.21	0.49	-2.71	3.80	0.7670	32.5	-0.001412	0.001350	-4.48	-12.36	4.09	-1.40	-3.98	1.24	0.2960	0.3540
so2av10	9.3	-0.005874	0.002957	-5.32	-10.28	-0.07	-5.70	-11.01	-0.08	0.0473	8.6	-0.007624	0.004784	-6.35	-13.60	1.52	-7.34	-15.63	1.77	0.1110	0.7520
so2av11	9.3	-0.003007	0.002944	-2.76	-7.84	2.60	-2.96	-8.40	2.80	0.3070	8.6	-0.000440	0.004734	-0.38	-8.02	7.90	-0.44	-9.26	9.24	0.9260	0.6390
so2av12	9.3	0.000275	0.002893	0.26	-4.89	5.69	0.28	-5.25	6.13	0.9240	8.6	0.001038	0.004746	0.90	-6.86	9.30	1.04	-7.93	10.89	0.8270	0.8890
so2av13	9.3	-0.003179	0.002967	-2.91	-8.02	2.48	-3.13	-8.60	2.67	0.2840	8.6	0.008307	0.004609	7.41	-0.62	16.08	8.66	-0.73	18.94	0.0719	0.0343
so4av10	7.1	0.002580	0.004254	1.85	-4.01	8.06	2.61	-5.60	11.54	0.5440	5.5	0.005188	0.007681	2.89	-5.28	11.78	5.33	-9.40	22.44	0.5000	0.7670
so4av11	7.1	0.001512	0.004281	1.08	-4.77	7.28	1.52	-6.65	10.41	0.7240	5.5	0.005242	0.007651	2.93	-5.22	11.77	5.38	-9.29	22.43	0.4930	0.6710
so4av12	7.1	0.002104	0.004309	1.51	-4.40	7.78	2.13	-6.14	11.13	0.6250	5.5	-0.002859	0.007692	-1.56	-9.39	6.95	-2.82	-16.42	13.00	0.7100	0.5760
so4av13	7.1	0.005415	0.004221	3.92	-2.01	10.21	5.56	-2.82	14.67	0.2000	5.5	-0.008212	0.007814	-4.42	-12.14	3.98	-7.88	-20.97	7.36	0.2940	0.1280
com810	1.3	-0.015826	0.017065	-2.04	-6.20	2.32	-0.16	-0.49	0.18	0.3540	0.5	-0.129869	0.071846	-6.29	-12.66	0.55	-1.29	-2.67	0.11	0.0710	0.1220
com811	1.3	-0.016250	0.016960	-2.09	-6.23	2.23	-0.16	-0.49	0.17	0.3380	0.5	-0.049698	0.069461	-2.45	-8.87	4.42	-0.50	-1.84	0.87	0.4750	0.6390
com812	1.3	-0.012024	0.017333	-1.55	-5.80	2.89	-0.12	-0.46	0.22	0.4880	0.5	-0.000390	0.068618	-0.02	-6.52	6.93	0.00	-1.34	1.35	0.9950	0.8690
com813	1.3	-0.014657	0.017422	-1.89	-6.15	2.57	-0.15	-0.49	0.20	0.4000	0.5	-0.084536	0.071298	-4.14	-10.61	2.80	-0.84	-2.22	0.55	0.2360	0.3400
pm10av10	30.1	-0.001069	0.001037	-3.17	-8.91	2.94	-1.06	-3.05	0.97	0.3030	23.9	-0.002576	0.001804	-5.97	-13.59	2.32	-2.54	-5.93	0.97	0.1540	0.4680
pm10av11	30.1	-0.001030	0.001034	-3.05	-8.79	3.04	-1.02	-3.01	1.00	0.3200	23.9	-0.000442	0.001805	-1.05	-9.07	7.68	-0.44	-3.90	3.14	0.8070	0.7770
pm10av12	30.1	-0.000883	0.001038	-2.62	-8.41	3.53	-0.88	-2.88	1.16	0.3950	23.9	-0.000174	0.001783	-0.42	-8.40	8.26	-0.17	-3.60	3.38	0.9220	0.7310
pm10av13	30.1	-0.000321	0.001032	-0.96	-6.81	5.25	-0.32	-2.32	1.72	0.7550	23.9	-0.000594	0.001780	-1.41	-9.30	7.16	-0.59	-4.00	2.94	0.7390	0.8950
smkav10	24.0	-0.001666	0.001454	-3.92	-10.27	2.88	-1.65	-4.42	1.19	0.2520	11.1	0.000538	0.004012	0.60	-7.81	9.77	0.54	-7.06	8.77	0.8930	0.5990
smkav11	24.0	-0.002695	0.001458	-6.26	-12.48	0.39	-2.66	-5.40	0.16	0.0649	11.1	-0.000273	0.004078	-0.30	-8.77	8.95	-0.27	-7.93	8.03	0.9470	0.5670
smkav12	24.0	-0.002427	0.001452	-5.66	-11.89	1.01	-2.40	-5.14	0.42	0.0950	11.1	0.003096	0.003964	3.50	-5.05	12.82	3.14	-4.57	11.48	0.4350	0.1810
smkav13	24.0	-0.002153	0.001467	-5.04	-11.37	1.75	-2.13	-4.90	0.73	0.1430	11.1	-0.002084	0.004037	-2.29	-10.50	6.68	-2.06	-9.51	6.00	0.6060	0.9870
pfrav10	14.7	-0.001011	0.001989	-1.48	-6.96	4.34	-1.01	-4.79	2.93	0.6110	6.6	-0.001672	0.005671	-1.10	-8.09	6.43	-1.66	-12.00	9.90	0.7680	0.9120
pfrav11	14.7	-0.003326	0.002002	-4.77	-10.11	0.88	-3.27	-6.99	0.60	0.0971	6.6	0.001205	0.005673	0.80	-6.33	8.47	1.21	-9.44	13.12	0.8320	0.4480
pfrav12	14.7	-0.002882	0.002013	-4.15	-9.55	1.57	-2.84	-6.60	1.07	0.1520	6.6	0.001001	0.005644	0.66	-6.42	8.29	1.01	-9.57	12.82	0.8590	0.5140
pfrav13	14.7	-0.001435	0.002027	-2.09	-7.64	3.80	-1.43	-5.26	2.57	0.4790	6.6	-0.004484	0.005812	-2.92	-9.95	4.66	-4.39	-14.68	7.15	0.4410	0.6180
sfrav10	17.2	0.001040	0.001765	1.80	-4.08	8.05	1.05	-2.39	4.60	0.5560	13.3	0.002190	0.003186	2.96	-5.25	11.87	2.21	-3.97	8.80	0.4920	0.7520
sfrav11	17.2	0.000648	0.001777	1.12	-4.76	7.36	0.65	-2.79	4.22	0.7150	13.3	0.002183	0.003174	2.95	-5.23	11.83	2.21	-3.96	8.77	0.4920	0.6740
sfrav12	17.2	0.000865	0.001789	1.50	-4.44	7.81	0.87	-2.61	4.47	0.6290	13.3	-0.001209	0.003191	-1.60	-9.45	6.94	-1.20	-7.19	5.18	0.7050	0.5730
sfrav13	17.2	0.002257	0.001751	3.96	-2.00	10.28	2.28	-1.17	5.85	0.1980	13.3	-0.003373	0.003241	-4.39	-12.13	4.04	-3.32	-9.27	3.02	0.2980	0.1290
pm25av10	23.3	-0.001231	0.001582	-2.83	-9.60	4.45	-1.22	-4.24	1.89	0.4370	15.7	-0.001187	0.002743	-1.85	-9.79	6.80	-1.18	-6.35	4.28	0.6650	0.9890
pm25av11	23.3	-0.001871	0.001585	-4.27	-10.95	2.92	-1.85	-4.86	1.24	0.2380	15.7	0.001378	0.002716	2.19	-6.01	11.09	1.39	-3.87	6.93	0.6120	0.3030
pm25av12	23.3	-0.001833	0.001582	-4.18	-10.86	3.00	-1.82	-4.81	1.28	0.2470	15.7	0.000926	0.002678	1.46	-6.56	10.18	0.93	-4.23	6.37	0.7300	0.3770
pm25av13	23.3	-0.000749	0.001552	-1.73	-8.46	5.49	-0.75	-3.72	2.32	0.6300	15.7	-0.000634	0.002708	-0.99	-8.91	7.62	-0.63	-5.77	4.79	0.8150	0.9710
pmcoarse	10.0	-0.005817	0.004239	-5.65	-13.17	2.52	-5.65	-13.17	2.52	0.1700	11.0	-0.011470	0.004163	-11.85	-19.42	-3.57	-10.84	-17.82	-3.26	0.0060	0.3470
pmcoarse1	10.0	-0.001948	0.004220	-1.92	-9.71	6.52	-1.93	-9.71	6.53	0.6440	11.0	-0.004629	0.004204	-4.96	-13.19	4.05	-4.52	-12.08	3.68	0.2710	0.6560
pmcoarse2	10.0	-0.003178	0.004311	-3.12	-10.97	5.41	-3.13	-10.98	5.41	0.4610	11.0	-0.001989	0.004172	-2.16	-10.58	7.04	-1.97	-9.67	6.38	0.6340	0.8450
pmcoarse3	10.0	-0.003970	0.004265	-3.89	-11.59	4.48	-3.89	-11.60	4.49	0.3520	11.0	-0.002527	0.004102	-2.74	-10.97	6.25	-2.49	-10.03	5.67	0.5380	0.8100
pm10av10*	31.7	-0.001215	0.001199	-3.78	-10.69	3.66	-1.21	-3.5	1.14	0.3110	23.9	-0.002367	0.001841	-5.50	-13.31	3.01	-2.34	-5.8	1.25	0.1990	0.6030
pm10av11*	31.7	-0.001033	0.001198	-3.22	-10.16	4.25	-1.03	-3.32	1.32	0.3880	23.9	-0.000285	0.001859	-0.68	-8.96	8.36	-0.28	-3.85	3.41	0.8780	0.7360
pm10av12*	31.7	-0.001480	0.001214	-4.58	-11.51	2.89	-1.47	-3.79	0.9	0.2230	23.9	0.000148	0.001822	0.36	-7.85	9.3	0.15	-3.36	3.79	0.9350	0.4610
pm10av13*	31.7	-0.001142	0.001202	-3.56	-10.5	3.92	-1.14	-3.44	1.22	0.3420	23.9	-0.000465	0.001814	-1.10	-9.16	7.67	-0.46	-3.94	3.14	0.7980	0.7580

Table 46 Stroke Ages 65+ Hospital Admissions: seasonal results for cumulative day lags

Pol&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	-0.000723	0.001081	-1.60	-6.14	3.16	-0.72	-2.80	1.40	0.5040	28.4	0.000309	0.001439	0.88	-6.88	9.29	0.31	-2.48	3.18	0.8300	0.5620
no2mx02	20.0	-0.001004	0.001227	-1.99	-6.59	2.84	-1.00	-3.35	1.41	0.4140	27.2	0.000226	0.001552	0.62	-7.37	9.29	0.23	-2.78	3.32	0.8840	0.5300
no2mx03	18.9	-0.001191	0.001360	-2.23	-7.03	2.83	-1.18	-3.78	1.49	0.3810	25.2	-0.000063	0.001662	-0.16	-8.03	8.39	-0.06	-3.27	3.25	0.9700	0.5970
o3m8I01	24.1	0.003000	0.001756	7.50	-1.06	16.80	3.05	-0.44	6.65	0.0879	30.3	-0.000603	0.001462	-1.81	-9.98	7.10	-0.60	-3.41	2.29	0.6800	0.1060
o3m8I02	22.6	0.003417	0.001930	8.03	-0.82	17.67	3.48	-0.37	7.47	0.0770	27.0	-0.000377	0.001603	-1.01	-9.06	7.75	-0.38	-3.46	2.80	0.8140	0.1130
o3m8I03	20.7	0.003120	0.002069	6.67	-1.92	16.01	3.17	-0.93	7.44	0.1320	27.5	-0.000856	0.001710	-2.33	-10.93	7.11	-0.85	-4.12	2.53	0.6170	0.1180
so2av01	9.3	-0.005891	0.003380	-5.33	-10.99	0.69	-5.72	-11.76	0.74	0.0817	7.6	-0.005094	0.005339	-3.80	-11.15	4.17	-4.97	-14.41	5.52	0.3400	0.8980
so2av02	8.5	-0.004767	0.003752	-3.97	-9.79	2.22	-4.65	-11.41	2.62	0.2040	7.0	-0.003597	0.005865	-2.49	-10.03	5.69	-3.53	-14.01	8.22	0.5400	0.8640
so2av03	7.8	-0.005823	0.004108	-4.44	-10.26	1.75	-5.66	-12.96	2.25	0.1570	6.6	0.000701	0.006276	0.46	-7.37	8.96	0.70	-10.95	13.89	0.9110	0.3760
so4av01	6.3	0.002279	0.004500	1.45	-4.04	7.24	2.31	-6.33	11.74	0.6130	5.1	0.006553	0.008336	3.40	-4.87	12.38	6.77	-9.32	25.72	0.4320	0.6520
so4av02	5.8	0.002682	0.004694	1.57	-3.71	7.13	2.72	-6.31	12.62	0.5680	4.7	0.004022	0.008876	1.91	-6.09	10.59	4.10	-12.52	23.89	0.6510	0.8940
so4av03	5.5	0.003891	0.004832	2.16	-3.02	7.63	3.97	-5.43	14.30	0.4210	4.2	0.001160	0.009417	0.49	-7.01	8.59	1.17	-15.88	21.67	0.9020	0.7970
so4av04	5.4	0.003533	0.004975	1.93	-3.30	7.44	3.60	-6.03	14.21	0.4780	3.7	-0.000408	0.009954	-0.15	-7.10	7.32	-0.41	-18.06	21.05	0.9670	0.7240
so4av05	5.5	0.003946	0.005037	2.19	-3.21	7.90	4.02	-5.76	14.82	0.4340	3.5	-0.002580	0.010488	-0.90	-7.78	6.49	-2.55	-20.66	19.69	0.8060	0.5760
com8I01	1.1	-0.021186	0.019520	-2.30	-6.33	1.90	-0.21	-0.59	0.17	0.2780	0.4	-0.115499	0.079404	-5.06	-11.49	1.82	-1.15	-2.67	0.40	0.1460	0.2470
com8I02	1.0	-0.024618	0.022063	-2.50	-6.75	1.94	-0.25	-0.68	0.19	0.2650	0.4	-0.092917	0.086142	-3.92	-10.65	3.32	-0.92	-2.58	0.76	0.2810	0.4410
com8I03	1.0	-0.030243	0.024541	-3.13	-7.90	1.89	-0.30	-0.78	0.18	0.2180	0.4	-0.122972	0.094625	-5.09	-12.29	2.69	-1.22	-3.04	0.63	0.1940	0.3410
pm10av01	28.2	-0.001318	0.001156	-3.65	-9.61	2.71	-1.31	-3.52	0.95	0.2540	21.6	-0.001863	0.002001	-3.94	-11.75	4.55	-1.85	-5.62	2.08	0.3520	0.8130
pm10av02	27.9	-0.001486	0.001258	-4.06	-10.44	2.77	-1.48	-3.88	0.98	0.2380	20.9	-0.001524	0.002159	-3.14	-11.34	5.82	-1.51	-5.59	2.75	0.4800	0.9880
pm10av03	25.8	-0.001412	0.001343	-3.58	-9.91	3.20	-1.40	-3.96	1.23	0.2940	20.1	-0.001534	0.002305	-3.04	-11.45	6.18	-1.52	-5.87	3.03	0.5060	0.9640
pm10av04	24.2	-0.001628	0.001424	-3.86	-10.14	2.85	-1.62	-4.32	1.17	0.2530	19.7	-0.001309	0.002451	-2.55	-11.35	7.13	-1.30	-5.93	3.56	0.5930	0.9110
pm10av05	23.2	-0.001867	0.001501	-4.24	-10.56	2.53	-1.85	-4.70	1.08	0.2140	18.5	-0.000675	0.002588	-1.24	-10.09	8.48	-0.67	-5.59	4.50	0.7940	0.6930
smkav01	19.7	-0.002893	0.001674	-5.54	-11.45	0.77	-2.85	-5.99	0.39	0.0843	10.0	0.000263	0.004696	0.26	-8.55	9.93	0.26	-8.55	9.93	0.9550	0.5190
smkav02	18.6	-0.003729	0.001857	-6.70	-12.81	-0.16	-3.66	-7.10	-0.09	0.0450	8.7	0.002167	0.005210	1.90	-6.76	11.37	2.19	-7.73	13.18	0.6780	0.2800
smkav03	17.3	-0.004399	0.002033	-7.33	-13.50	-0.71	-4.30	-8.04	-0.41	0.0308	7.8	0.001120	0.005735	0.88	-7.59	10.12	1.13	-9.63	13.16	0.8450	0.3590
smkav04	16.1	-0.004953	0.002199	-7.66	-13.85	-1.03	-4.83	-8.85	-0.64	0.0246	7.6	0.001796	0.006253	1.37	-7.64	11.27	1.81	-9.93	15.09	0.7740	0.3050
smkav05	14.6	-0.004723	0.002353	-6.66	-12.74	-0.16	-4.61	-8.91	-0.11	0.0450	6.8	0.002682	0.006758	1.84	-6.93	11.44	2.72	-10.03	17.27	0.6920	0.2990
pfrav01	13.1	-0.002978	0.002311	-3.83	-9.37	2.05	-2.93	-7.23	1.56	0.1980	5.9	0.000177	0.006384	0.10	-7.02	7.77	0.18	-11.61	13.53	0.9780	0.6400
pfrav02	12.1	-0.004139	0.002554	-4.88	-10.48	1.06	-4.05	-8.74	0.87	0.1060	5.3	0.000902	0.006980	0.48	-6.55	8.04	0.91	-12.00	15.70	0.8970	0.4960
pfrav03	11.6	-0.004397	0.002786	-4.97	-10.80	1.24	-4.30	-9.39	1.07	0.1150	4.9	-0.000844	0.007616	-0.41	-7.44	7.14	-0.84	-14.59	15.12	0.9120	0.6610
pfrav04	11.2	-0.005446	0.003004	-5.92	-11.92	0.50	-5.30	-10.71	0.44	0.0702	4.8	-0.001042	0.008219	-0.50	-7.90	7.50	-1.04	-15.76	16.26	0.8990	0.6150
pfrav05	10.8	-0.005283	0.003185	-5.55	-11.70	1.04	-5.15	-10.89	0.97	0.0976	4.4	-0.001016	0.008783	-0.45	-7.71	7.39	-1.01	-16.67	17.58	0.9080	0.6490
sfrav01	15.2	0.000943	0.001867	1.44	-4.04	7.24	0.95	-2.68	4.71	0.6140	12.2	0.002745	0.003459	3.41	-4.80	12.32	2.78	-3.95	9.99	0.4280	0.6470
sfrav02	14.0	0.001092	0.001947	1.55	-3.75	7.14	1.10	-2.69	5.03	0.5750	11.3	0.001677	0.003684	1.91	-6.07	10.58	1.69	-5.39	9.30	0.6490	0.8890
sfrav03	13.2	0.001600	0.002004	2.13	-3.03	7.57	1.61	-2.30	5.68	0.4250	10.0	0.000498	0.003908	0.50	-6.91	8.50	0.50	-6.91	8.50	0.8990	0.8030
sfrav04	13.0	0.001675	0.002100	2.20	-3.12	7.82	1.69	-2.41	5.96	0.4250	8.9	-0.000794	0.004295	-0.70	-7.87	7.02	-0.79	-8.80	7.92	0.8530	0.6070
sfrav05	12.6	0.001686	0.002166	2.16	-3.16	7.77	1.71	-2.52	6.12	0.4340	8.7	-0.001115	0.004588	-0.97	-8.42	7.09	-1.11	-9.61	8.20	0.8080	0.5810
pm25av01	22.7	-0.001909	0.001732	-4.24	-11.34	3.43	-1.89	-5.16	1.50	0.2710	15.3	-0.000242	0.003001	-0.37	-8.94	9.01	-0.24	-5.94	5.80	0.9360	0.6310
pm25av02	22.4	-0.002341	0.001857	-5.11	-12.54	2.95	-2.31	-5.81	1.31	0.2080	13.5	0.000503	0.003198	0.68	-7.49	9.57	0.50	-5.60	7.01	0.8750	0.4440
pm25av03	22.2	-0.002215	0.001986	-4.80	-12.68	3.79	-2.19	-5.92	1.69	0.2650	12.8	0.000297	0.003426	0.38	-7.89	9.39	0.30	-6.22	7.26	0.9310	0.5280
pm25av04	21.4	-0.002714	0.002116	-5.64	-13.66	3.11	-2.68	-6.63	1.44	0.2000	11.9	0.000042	0.003646	0.05	-8.11	8.93	0.04	-6.86	7.45	0.9910	0.5150
pm25av05	19.6	-0.002747	0.002230	-5.24	-13.02	3.23	-2.71	-6.87	1.64	0.2180	10.9	0.000636	0.003886	0.70	-7.33	9.41	0.64	-6.74	8.60	0.8700	0.4530
pmcoarsem01	8.9	-0.005314	0.004948	-4.61	-12.50	3.97	-5.18	-13.94	4.48	0.2830	10.3	-0.010664	0.004754	-10.40	-18.60	-1.37	-10.12	-18.11	-1.34	0.0252	0.4430
pmcoarsem02	8.0	-0.005724	0.005595	-4.47	-12.49	4.28	-5.56	-15.37	5.38	0.3070	9.3	-0.009478	0.005251	-8.43	-16.79	0.75	-9.04	-17.94	0.82	0.0715	0.6320
pmcoarsem03	7.7	-0.006634	0.006119	-4.97	-13.36	4.21	-6.42	-17.00	5.50	0.2790	9.2	-0.011326	0.005673	-9.89	-18.65	-0.19	-10.71	-20.11	-0.21	0.0463	0.5840
pmcoarsem04	6.9	-0.010479	0.006699	-6.97	-15.03	1.84	-9.95	-21.03	2.69	0.1180	8.9	-0.008332	0.006065	-7.14	-16.46	3.21	-7.99	-18.31	3.62	0.1700	0.8180
pmcoarsem05	6.7	-0.011790	0.007286	-7.59	-16.02	1.68	-11.12	-22.95	2.52	0.1060	8.8	-0.006576	0.006447	-5.62	-15.55	5.47	-6.36	-17.48	6.25	0.3080	0.6060
pm10av01*	30	-0.00139	0.001334	-4.09	-11.32	3.74	-1.38	-3.93	1.23	0.298	21.6	-0.001643	0.002056	-3.49	-11.53	5.29	-1.63	-5.51	2.41	0.4240	0.9180
pm10av02*	29.3	-0.001811	0.001455	-5.17	-12.77	3.1	-1.79	-4.56	1.05	0.214	20.9	-0.001181	0.002221	-2.44	-10.92	6.85	-1.17	-5.38	3.22	0.5950	0.8150
pm10av03*	26.8	-0.00204	0.001561	-5.32	-12.77	2.77	-2.02	-4.97	1.03	0.192	20.1	-0.001177	0.002372	-2.34	-11.05	7.23	-1.17	-5.66	3.53	0.6200	0.7650
pm10av04*	24.8	-0.0025	0.001663	-6.01	-13.31	1.9	-2.47	-5.6	0.76	0.133	19.7	-0.000985	0.002525	-1.92	-11.03	8.12	-0.98	-5.76	4.04	0.6970	0.6240
pm10av05*	24.6	-0.002637	0.00176	-6.28	-13.91	2.02	-2.6	-5.91	0.82	0.135	18.5	-0.000319	0.00267	-0.59	-9.76	9.52	-0.32	-5.4	5.04	0.9050	0.4790

Table 47 All Respiratory All Ages Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mxl0	24.6	0.000558	0.000396	1.38	-0.54	3.34	0.56	-0.22	1.34	0.1590	31.7	0.001667	0.000620	5.43	1.44	9.57	1.68	0.45	2.93	0.0074	0.1250
no2mxl1	24.6	-0.000216	0.000400	-0.53	-2.43	1.41	-0.22	-0.99	0.57	0.5900	31.7	0.001664	0.000630	5.42	1.37	9.62	1.68	0.43	2.94	0.0084	0.0106
no2mxl2	24.6	-0.000171	0.000414	-0.42	-2.38	1.59	-0.17	-0.98	0.64	0.6800	31.7	0.001177	0.000630	3.80	-0.18	7.95	1.18	-0.06	2.44	0.0621	0.0693
no2mxl3	24.6	-0.000220	0.000395	-0.54	-2.42	1.38	-0.22	-0.99	0.56	0.5790	31.7	0.001076	0.000612	3.47	-0.39	7.48	1.08	-0.12	2.30	0.0791	0.0753
o3m8l0	26.1	-0.001754	0.000695	-4.47	-7.81	-1.02	-1.74	-3.07	-0.39	0.0118	32.5	-0.000828	0.000650	-2.65	-6.60	1.46	-0.82	-2.08	0.45	0.2030	0.3190
o3m8l1	26.1	-0.001125	0.000728	-2.89	-6.44	0.79	-1.12	-2.52	0.30	0.1230	32.5	0.000632	0.000698	2.08	-2.36	6.72	0.63	-0.73	2.02	0.3650	0.0707
o3m8l2	26.1	-0.001072	0.000771	-2.76	-6.52	1.15	-1.07	-2.55	0.44	0.1650	32.5	0.000951	0.000679	3.14	-1.23	7.70	0.96	-0.38	2.31	0.1620	0.0399
o3m8l3	26.1	-0.001413	0.000735	-3.62	-7.18	0.07	-1.40	-2.81	0.03	0.0549	32.5	-0.000326	0.000641	-1.05	-5.01	3.07	-0.33	-1.57	0.93	0.6110	0.2520
so2avl0	9.3	0.001556	0.001168	1.46	-0.68	3.64	1.57	-0.73	3.92	0.1830	8.6	0.002686	0.002154	2.34	-1.31	6.12	2.72	-1.52	7.15	0.2130	0.6400
so2avl1	9.3	0.000443	0.001193	0.41	-1.75	2.62	0.44	-1.88	2.82	0.7100	8.6	0.002474	0.002188	2.15	-1.55	5.99	2.50	-1.80	7.00	0.2590	0.4060
so2avl2	9.3	-0.000150	0.001195	-0.14	-2.29	2.06	-0.15	-2.46	2.22	0.9000	8.6	0.001074	0.002191	0.93	-2.73	4.73	1.08	-3.17	5.52	0.6240	0.6190
so2avl3	9.3	0.000571	0.001176	0.53	-1.60	2.71	0.57	-1.72	2.92	0.6270	8.6	0.001061	0.002199	0.92	-2.76	4.73	1.07	-3.20	5.52	0.6300	0.8430
so4avl0	7.1	0.000294	0.001953	0.21	-2.48	2.97	0.29	-3.47	4.21	0.8800	5.5	0.005435	0.003666	3.03	-0.96	7.19	5.59	-1.74	13.45	0.1390	0.2210
so4avl1	7.1	-0.001688	0.001975	-1.19	-3.87	1.56	-1.67	-5.41	2.21	0.3930	5.5	0.006241	0.003619	3.49	-0.47	7.61	6.44	-0.85	14.26	0.0850	0.0570
so4avl2	7.1	-0.000284	0.001979	-0.20	-2.91	2.59	-0.28	-4.08	3.66	0.8860	5.5	0.008338	0.003546	4.69	0.77	8.77	8.70	1.40	16.52	0.0190	0.0358
so4avl3	7.1	-0.001953	0.001973	-1.38	-4.05	1.37	-1.93	-5.65	1.93	0.3230	5.5	-0.001985	0.003600	-1.09	-4.85	2.83	-1.97	-8.64	5.20	0.5810	0.9940
com8l0	1.3	0.009245	0.006789	1.21	-0.53	2.98	0.09	-0.04	0.23	0.1740	0.5	0.030183	0.031516	1.52	-1.57	4.71	0.30	-0.32	0.92	0.3390	0.5140
com8l1	1.3	-0.003353	0.006895	-0.43	-2.17	1.33	-0.03	-0.17	0.10	0.6270	0.5	0.010666	0.032043	0.53	-2.57	3.74	0.11	-0.52	0.74	0.7390	0.6670
com8l2	1.3	0.001786	0.007173	0.23	-1.58	2.08	0.02	-0.12	0.16	0.8030	0.5	0.057452	0.030913	2.91	-0.16	6.08	0.58	-0.03	1.19	0.0635	0.0777
com8l3	1.3	0.000199	0.007049	0.03	-1.75	1.84	0.00	-0.14	0.14	0.9780	0.5	0.077407	0.030348	3.95	0.90	7.08	0.78	0.18	1.38	0.0109	0.0133
pm10avl0	30.1	0.000464	0.000446	1.41	-1.23	4.11	0.46	-0.41	1.35	0.2990	23.9	0.001138	0.000843	2.76	-1.22	6.90	1.14	-0.51	2.83	0.1770	0.4780
pm10avl1	30.1	0.000041	0.000446	0.12	-2.48	2.79	0.04	-0.83	0.92	0.9280	23.9	0.001528	0.000842	3.72	-0.29	7.89	1.54	-0.12	3.23	0.0699	0.1180
pm10avl2	30.1	-0.000436	0.000446	-1.31	-3.87	1.33	-0.44	-1.30	0.44	0.3280	23.9	0.001104	0.000830	2.67	-1.24	6.74	1.11	-0.52	2.77	0.1840	0.1030
pm10avl3	30.1	-0.000111	0.000446	-0.33	-2.92	2.32	-0.11	-0.98	0.77	0.8030	23.9	0.000126	0.000838	0.30	-3.56	4.32	0.13	-1.51	1.78	0.8810	0.8040
smkavl0	24.0	0.001265	0.000592	3.08	0.25	5.99	1.27	0.11	2.45	0.0328	11.1	0.006112	0.001810	7.02	2.89	11.32	6.30	2.60	10.14	0.0008	0.0097
smkavl1	24.0	0.000430	0.000598	1.04	-1.77	3.92	0.43	-0.74	1.61	0.4730	11.1	0.000916	0.001848	1.02	-2.96	5.17	0.92	-2.67	4.64	0.6200	0.7980
smkavl2	24.0	-0.000094	0.000602	-0.23	-3.01	2.64	-0.09	-1.27	1.09	0.8760	11.1	0.004562	0.001840	5.19	1.07	9.49	4.67	0.96	8.51	0.0134	0.0145
smkavl3	24.0	-0.000278	0.000600	-0.66	-3.43	2.18	-0.28	-1.44	0.90	0.6430	11.1	0.002730	0.001851	3.08	-0.99	7.31	2.77	-0.90	6.56	0.1410	0.1170
pfravl0	14.7	0.001737	0.000796	2.59	0.26	4.97	1.75	0.18	3.35	0.0295	6.6	0.007500	0.002527	5.07	1.70	8.57	7.79	2.58	13.26	0.0031	0.0291
pfravl1	14.7	0.000463	0.000796	0.68	-1.60	3.02	0.46	-1.09	2.04	0.5610	6.6	0.002122	0.002605	1.41	-1.95	4.89	2.15	-2.94	7.49	0.4150	0.5400
pfravl2	14.7	-0.000181	0.000820	-0.27	-2.59	2.12	-0.18	-1.77	1.44	0.8250	6.6	0.005992	0.002585	4.03	0.61	7.57	6.18	0.93	11.69	0.0207	0.0223
pfravl3	14.7	0.000297	0.000806	0.44	-1.87	2.80	0.30	-1.27	1.89	0.7130	6.6	0.009560	0.002515	6.51	3.10	10.04	10.03	4.74	15.59	0.0002	0.0005
sfravl0	17.2	0.000139	0.000809	0.24	-2.46	3.01	0.14	-1.44	1.74	0.8630	13.3	0.002212	0.001521	2.99	-1.02	7.15	2.24	-0.76	5.33	0.1460	0.2340
sfravl1	17.2	-0.000723	0.000820	-1.24	-3.93	1.53	-0.72	-2.30	0.89	0.3790	13.3	0.002561	0.001502	3.47	-0.51	7.60	2.59	-0.38	5.66	0.0885	0.0576
sfravl2	17.2	-0.000170	0.000821	-0.29	-3.02	2.51	-0.17	-1.76	1.45	0.8360	13.3	0.003448	0.001470	4.69	0.76	8.78	3.51	0.57	6.53	0.0193	0.0337
sfravl3	17.2	-0.000791	0.000818	-1.35	-4.04	1.41	-0.79	-2.37	0.82	0.3340	13.3	-0.000857	0.001493	-1.13	-4.91	2.79	-0.85	-3.71	2.09	0.5660	0.9690
pm25avl0	23.3	0.000407	0.000640	0.95	-1.96	3.95	0.41	-0.84	1.68	0.525	15.7	0.002237	0.001228	3.58	-0.27	7.56	2.26	-0.17	4.75	0.0689	0.1860
pm25avl1	23.3	-0.000162	0.000645	-0.38	-3.27	2.60	-0.16	-1.42	1.11	0.802	15.7	0.002378	0.001213	3.80	0.00	7.75	2.41	0.00	4.87	0.0504	0.0650
pm25avl2	23.3	-0.000441	0.000636	-1.02	-3.85	1.89	-0.44	-1.67	0.81	0.488	15.7	0.001177	0.001204	1.87	-1.84	5.71	1.18	-1.18	3.60	0.3290	0.2370
pm25avl3	23.3	-0.000737	0.000637	-1.70	-4.52	1.20	-0.73	-1.97	0.51	0.247	15.7	0.000556	0.001228	0.88	-2.86	4.76	0.56	-1.83	3.01	0.6510	0.3520
pmcoarse	10.0	0.000780	0.001766	0.78	-2.64	4.33	0.78	-2.65	4.33	0.659	11.0	-0.001057	0.001879	-1.15	-5.08	2.93	-1.05	-4.63	2.66	0.5740	0.4770
pmcoarse1	10.0	0.001839	0.001783	1.85	-1.64	5.47	1.86	-1.64	5.48	0.303	11.0	0.000078	0.001913	0.08	-3.95	4.30	0.08	-3.60	3.90	0.9670	0.5020
pmcoarse2	10.0	-0.000777	0.001791	-0.77	-4.19	2.77	-0.77	-4.20	2.77	0.665	11.0	0.000821	0.001906	0.90	-3.15	5.14	0.82	-2.87	4.66	0.6670	0.5440
pmcoarse3	10.0	-0.001458	0.001771	-1.44	-4.80	2.03	-1.45	-4.81	2.03	0.411	11.0	-0.001959	0.001892	-2.13	-6.04	1.94	-1.94	-5.51	1.77	0.3010	0.8480
pm10avl0*	31.7	0.000525	0.000492	1.68	-1.38	4.83	0.53	-0.44	1.5	0.2860	23.9	0.000690	0.000829	1.66	-2.21	5.69	0.69	-0.93	2.34	0.4050	0.8640
pm10avl1*	31.7	0.000141	0.000499	0.45	-2.62	3.61	0.14	-0.83	1.13	0.7780	23.9	0.001127	0.000833	2.73	-1.2	6.82	1.13	-0.51	2.8	0.1770	0.3120
pm10avl2*	31.7	-0.000334	0.000498	-1.05	-4.07	2.05	-0.33	-1.3	0.64	0.5020	23.9	0.000911	0.000827	2.20	-1.68	6.24	0.92	-0.71	2.56	0.2710	0.2000
pm10avl3*	31.7	-0.000340	0.000496	-1.07	-4.07	2.02	-0.34	-1.3	0.63	0.4920	23.9	0.000051	0.000829	0.12	-3.69	4.08	0.05	-1.56	1.69	0.9510	0.6870

Table 48 All Respiratory All Ages Hospital Admissions: seasonal results for cumulative day lags

Polk&Lag	Zero1090.w	Est.w	Se(Est).w	IRR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cert1090.s	Est.s	Se(Est).s	IRR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2m01	22.3	0.000232	0.000455	0.52	-1.46	2.54	0.23	-0.66	1.13	0.6100	28.4	0.002121	0.000689	6.21	2.21	10.36	2.14	0.77	3.53	0.0022	0.0199
no2m02	20.0	0.000081	0.000515	0.16	-1.84	2.20	0.08	-0.92	1.10	0.8750	27.2	0.002285	0.000744	6.41	2.28	10.72	2.31	0.83	3.81	0.0022	0.0131
no2m03	18.9	-0.000063	0.000570	-0.12	-2.20	2.01	-0.06	-1.17	1.06	0.9120	25.2	0.002485	0.000789	6.46	2.39	10.69	2.52	0.94	4.11	0.0017	0.0081
o3m01	24.1	-0.001891	0.000790	-4.45	-7.95	-0.52	-1.87	-3.38	-0.34	0.0169	30.3	-0.002023	0.000748	-0.61	-4.93	3.90	-0.20	-1.65	1.27	0.7860	0.1080
o3m02	22.6	-0.002253	0.000886	-4.96	-8.62	-1.16	-2.23	-3.91	-0.51	0.0112	27.0	0.000316	0.000816	0.86	-3.41	5.30	0.32	-1.28	1.93	0.6990	0.0262
o3m03	20.7	-0.002863	0.000566	-5.75	-9.34	-2.02	-2.82	-4.63	-0.98	0.0029	27.5	0.000064	0.000665	0.18	-4.39	4.96	0.06	-1.62	1.78	0.9410	0.0178
so2w01	9.3	0.001352	0.001353	1.27	-1.20	3.79	1.36	-1.29	4.09	0.3180	7.6	0.003323	0.002440	2.56	-1.10	6.35	3.38	-1.45	8.44	0.1740	0.4710
so2w02	8.5	0.001058	0.001518	0.90	-1.62	3.49	1.06	-1.90	4.12	0.4860	7.0	0.003299	0.002894	2.34	-1.38	6.19	3.35	-1.96	8.96	0.2210	0.4600
so2w03	7.8	0.001254	0.001664	0.98	-1.55	3.58	1.26	-1.99	4.62	0.4510	6.6	0.003408	0.002916	2.27	-1.51	6.21	3.47	-2.28	9.55	0.2430	0.5130
so4w01	6.3	-0.000644	0.002079	-0.40	-2.93	2.19	-0.64	-4.61	3.49	0.7570	5.1	0.007417	0.003984	3.85	-0.20	8.07	7.70	-0.39	16.45	0.0631	0.0764
so4w02	5.8	-0.000672	0.002185	-0.39	-2.83	2.12	-0.67	-4.83	3.68	0.7590	4.7	0.010438	0.004206	5.03	1.04	9.18	11.00	2.22	20.54	0.0133	0.0208
so4w03	5.5	-0.001274	0.002273	-0.70	-3.10	1.76	-1.27	-5.57	3.23	0.5750	4.2	0.006982	0.004456	2.98	-0.73	6.82	7.23	-1.74	17.02	0.1180	0.1040
so4w04	5.4	-0.002215	0.002347	-1.19	-3.61	1.30	-2.19	-6.59	2.41	0.3460	3.7	0.002675	0.004707	0.99	-2.39	4.50	2.71	-6.34	12.64	0.5700	0.3590
so4w05	5.5	-0.003408	0.002399	-1.86	-4.36	0.71	-3.35	-7.79	1.30	0.1560	3.5	-0.000875	0.004963	-0.31	-3.64	3.14	-0.87	-10.04	9.23	0.8600	0.6500
com01	1.1	0.004764	0.007970	0.53	-1.19	2.27	0.05	-0.11	0.20	0.5500	0.4	0.024121	0.056674	1.09	-2.04	4.32	0.24	-0.46	0.94	0.4990	0.5940
com02	1.0	0.004908	0.009052	0.51	-1.31	2.36	0.05	-0.13	0.23	0.5880	0.4	0.054879	0.038804	2.39	-0.91	5.79	0.55	-0.21	1.32	0.1580	0.2080
com03	1.0	0.004896	0.010002	0.52	-1.65	2.62	0.05	-0.15	0.25	0.6280	0.4	0.094413	0.024725	4.09	0.49	7.83	0.95	0.12	1.79	0.0258	0.0381
pm10av01	28.2	0.000335	0.000502	0.95	-1.82	3.79	0.34	-0.65	1.33	0.5050	21.6	0.001705	0.000941	3.75	-0.30	7.97	1.72	-0.14	3.61	0.0706	0.1980
pm10av02	27.9	0.000025	0.000548	0.07	-2.89	3.11	0.02	-1.04	1.10	0.9640	20.9	0.001980	0.001021	4.22	-0.05	8.68	2.00	-0.02	4.06	0.0529	0.0919
pm10av03	25.8	-0.000040	0.000589	-0.10	-3.03	2.91	-0.04	-1.19	1.12	0.9460	20.1	0.001843	0.001097	3.77	-0.62	8.36	1.86	-0.31	4.08	0.0934	0.1320
pm10av04	24.2	-0.000085	0.000625	-0.21	-3.12	2.80	-0.08	-1.30	1.15	0.8820	19.7	0.001571	0.001175	3.14	-1.43	7.93	1.58	-0.73	3.95	0.1820	0.2170
pm10av05	23.2	0.000137	0.000660	0.32	-2.65	3.37	0.14	-1.15	1.44	0.8350	18.5	0.000951	0.001241	1.77	-2.71	6.46	0.96	-1.47	3.44	0.4440	0.5670
smkav01	19.7	0.001173	0.000684	2.34	-0.33	5.08	1.18	-0.17	2.54	0.0867	10.0	0.005087	0.002132	5.22	0.91	9.71	5.22	0.91	9.71	0.0173	0.0755
smkav02	18.6	0.000889	0.000759	1.67	-1.11	4.52	0.89	-0.60	2.41	0.2420	8.7	0.007088	0.002394	6.36	2.11	10.79	7.35	2.43	12.50	0.0032	0.0125
smkav03	17.3	0.000609	0.000835	1.06	-1.76	3.96	0.61	-1.02	2.27	0.4660	7.8	0.008461	0.002653	6.82	2.58	11.24	8.83	3.32	14.64	0.0015	0.0045
smkav04	16.1	0.000360	0.000899	0.58	-2.23	3.47	0.36	-1.39	2.14	0.6890	7.6	0.011413	0.002884	9.06	4.48	13.85	12.09	5.93	18.61	0.0001	0.0003
smkav05	14.6	0.000734	0.000662	1.08	-1.67	3.90	0.74	-1.14	2.65	0.4460	6.8	0.013515	0.003125	9.63	5.15	14.29	14.47	7.67	21.70	0.0000	0.0001
pfav01	13.1	0.001431	0.000930	1.89	-0.51	4.36	1.44	-0.39	3.31	0.1250	5.9	0.006308	0.002875	3.79	0.40	7.30	6.51	0.68	12.68	0.0285	0.1050
pfav02	12.1	0.001065	0.001031	1.30	-1.15	3.81	1.07	-0.95	3.13	0.3020	5.3	0.008399	0.003157	4.55	1.18	8.04	8.76	2.23	15.70	0.0080	0.0272
pfav03	11.6	0.000942	0.001131	1.10	-1.47	3.73	0.95	-1.27	3.21	0.4050	4.9	0.012449	0.003417	6.29	2.86	9.84	13.26	5.92	21.10	0.0003	0.0015
pfav04	11.2	0.000969	0.001212	0.66	-1.98	3.38	0.59	-1.77	3.01	0.6270	4.8	0.015098	0.003708	7.52	3.83	11.33	16.30	8.15	25.06	0.0001	0.0002
pfav05	10.8	0.001167	0.001287	1.27	-1.45	4.06	1.17	-1.35	3.76	0.3650	4.4	0.015305	0.004001	6.97	3.34	10.72	16.54	7.75	26.05	0.0001	0.0009
stfav01	15.2	-0.000294	0.000863	-0.43	-2.96	2.16	-0.28	-1.96	1.42	0.7420	12.2	0.003030	0.001653	3.77	-0.26	7.95	3.08	-0.21	6.47	0.0673	0.0791
stfav02	14.0	-0.000294	0.000906	-0.40	-2.85	2.12	-0.28	-2.04	1.50	0.7540	11.3	0.004298	0.001745	4.98	1.00	9.11	4.39	0.88	8.02	0.0140	0.0216
stfav03	13.2	-0.000513	0.000942	-0.67	-3.07	1.78	-0.51	-2.33	1.34	0.5870	10.0	0.002855	0.001849	2.90	-0.77	6.69	2.90	-0.77	6.69	0.1230	0.1100
stfav04	13.0	-0.000639	0.000994	-0.83	-3.31	1.72	-0.64	-2.55	1.32	0.5200	8.9	0.001048	0.002026	0.94	-2.57	4.57	1.05	-3.88	5.15	0.6950	0.4610
stfav05	12.6	-0.000633	0.001025	-0.79	-3.28	1.75	-0.63	-2.61	1.39	0.5370	8.7	-0.000622	0.002171	-0.54	-4.15	3.21	-0.62	-4.76	3.70	0.7750	0.9960
pm25av01	22.7	0.000257	0.000709	0.58	-2.54	3.81	0.26	-1.13	1.66	0.717	15.3	0.002714	0.001344	4.24	0.12	8.53	2.75	0.08	5.49	0.0439	0.1060
pm25av02	22.4	-0.000053	0.000780	-0.12	-3.40	3.27	-0.05	-1.53	1.45	0.945	13.5	0.002489	0.001447	3.42	-0.47	7.45	2.52	-0.35	5.47	0.0857	0.1210
pm25av03	22.2	-0.000369	0.000819	-0.82	-4.29	2.78	-0.37	-1.96	1.24	0.652	12.8	0.002576	0.001654	3.35	-0.60	7.46	2.61	-0.47	5.78	0.0979	0.0956
pm25av04	21.4	-0.000449	0.000877	-0.96	-4.53	2.75	-0.45	-2.14	1.28	0.609	11.9	0.002499	0.001684	3.02	-0.90	7.09	2.53	-0.76	5.93	0.1340	0.1200
pm25av05	19.6	0.000058	0.000927	0.11	-3.39	3.74	0.06	-1.74	1.89	0.950	10.9	0.002051	0.001773	2.26	-1.54	6.21	2.07	-1.41	5.68	0.2480	0.3230
pmcoarsem01	8.9	0.001412	0.002088	1.26	-2.35	5.02	1.42	-2.64	5.66	0.499	10.3	-0.000640	0.002168	-0.65	-4.91	3.78	-0.64	-4.77	3.67	0.7690	0.4990
pmcoarsem02	8.0	0.000794	0.002361	0.63	-3.02	4.43	0.80	-3.76	5.57	0.737	9.3	0.001664	0.002423	0.15	-4.17	4.67	0.16	-4.48	5.04	0.9490	0.8540
pmcoarsem03	7.7	0.000207	0.002583	0.15	-3.66	4.14	0.21	-4.74	5.41	0.936	9.2	-0.001815	0.002646	-1.65	-6.23	3.15	-1.80	-6.76	3.43	0.4930	0.5520
pmcoarsem04	6.9	0.000180	0.002811	0.12	-3.61	4.00	0.18	-5.19	5.85	0.949	8.9	-0.002795	0.002863	-2.45	-7.20	2.53	-2.76	-8.06	2.96	0.3290	0.4690
pmcoarsem05	6.7	0.000811	0.003076	0.54	-3.43	4.68	0.81	-5.08	7.08	0.792	8.8	-0.004519	0.003055	-3.89	-8.83	1.30	-4.42	-9.97	1.48	0.1400	0.2330
pm10av01*	30.0	0.000441	0.000554	1.33	-1.92	4.69	0.44	-0.64	1.54	0.427	21.6	0.001165	0.000628	2.55	-1.4	6.65	1.17	-0.65	3.03	0.2100	0.5050
pm10av02*	29.3	0.000157	0.000604	0.46	-2.96	4.01	0.16	-1.02	1.35	0.795	20.9	0.001424	0.001010	3.02	-1.15	7.37	1.43	-0.55	3.46	0.1590	0.2870
pm10av03*	26.8	-0.000037	0.000651	-0.11	-3.46	3.38	-0.04	-1.31	1.25	0.955	20.1	0.001314	0.001089	2.68	-1.63	7.18	1.32	-0.82	3.51	0.2280	0.2940
pm10av04*	24.8	-0.000254	0.000697	-0.63	-3.94	2.8	-0.25	-1.61	1.12	0.716	19.7	0.001048	0.001170	2.09	-2.42	6.81	1.05	-1.24	3.4	0.3710	0.3470
pm10av05*	24.6	0.000173	0.000737	0.43	-3.08	4.06	0.17	-1.26	1.63	0.815	18.5	0.000474	0.001233	0.88	-3.53	5.49	0.48	-1.92	2.93	0.7010	0.8370

Table 49 All Respiratory Ages 0-14 Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx0	24.6	0.001239	0.000571	3.10	0.30	5.97	1.25	0.12	2.39	0.0302	31.7	0.001272	0.001033	4.11	-2.36	11.02	1.28	-0.75	3.35	0.2190	0.9770
no2mx1	24.6	-0.000170	0.000617	-0.42	-3.34	2.59	-0.17	-1.37	1.04	0.7830	31.7	0.001216	0.001049	3.93	-2.63	10.93	1.22	-0.84	3.33	0.2470	0.2490
no2mx2	24.6	-0.000152	0.000638	-0.37	-3.39	2.74	-0.15	-1.39	1.10	0.8120	31.7	0.001294	0.001039	4.19	-2.32	11.13	1.30	-0.74	3.39	0.2130	0.2320
no2mx3	24.6	-0.000707	0.000613	-1.72	-4.59	1.23	-0.70	-1.89	0.50	0.2490	31.7	0.001051	0.001017	3.39	-2.95	10.13	1.06	-0.94	3.09	0.3020	0.1390
o3m8l0	26.1	-0.001465	0.001063	-3.75	-8.84	1.62	-1.45	-3.49	0.62	0.1680	32.5	-0.001983	0.001087	-6.24	-12.51	0.48	-1.96	-4.03	0.15	0.0685	0.7260
o3m8l1	26.1	-0.001593	0.001136	-4.07	-9.49	1.66	-1.58	-3.75	0.63	0.1610	32.5	-0.001226	0.001149	-3.91	-10.69	3.39	-1.22	-3.42	1.03	0.2860	0.8140
o3m8l2	26.1	0.000305	0.001203	0.80	-5.22	7.20	0.31	-2.03	2.70	0.8000	32.5	-0.001100	0.001140	-3.51	-10.27	3.75	-1.09	-3.28	1.14	0.3350	0.3790
o3m8l3	26.1	-0.000864	0.001129	-2.23	-7.72	3.58	-0.86	-3.03	1.36	0.4440	32.5	-0.001777	0.001071	-5.61	-11.84	1.05	-1.76	-3.80	0.32	0.0975	0.5480
so2av0	9.3	0.003871	0.001783	3.67	0.35	7.09	3.95	0.38	7.64	0.0302	8.6	0.007631	0.003526	6.78	0.62	13.32	7.93	0.72	15.65	0.0307	0.3340
so2av1	9.3	0.002490	0.001776	2.34	-0.92	5.71	2.52	-0.98	6.15	0.1610	8.6	0.008877	0.003593	7.93	1.59	14.67	9.28	1.85	17.26	0.0137	0.1040
so2av2	9.3	0.000407	0.001827	0.38	-2.91	3.78	0.41	-3.12	4.07	0.8240	8.6	0.007579	0.003574	6.74	0.50	13.36	7.87	0.58	15.70	0.0343	0.0696
so2av3	9.3	0.000129	0.001791	0.12	-3.10	3.44	0.13	-3.33	3.71	0.9430	8.6	0.008338	0.003532	7.43	1.22	14.02	8.69	1.43	16.49	0.0185	0.0362
so4av0	7.1	0.002786	0.003015	2.00	-2.19	6.37	2.83	-3.07	9.08	0.3560	5.5	0.004760	0.006119	2.65	-3.90	9.65	4.87	-6.98	18.24	0.4370	0.7740
so4av1	7.1	0.001499	0.003059	1.07	-3.14	5.47	1.51	-4.40	7.78	0.6240	5.5	-0.003731	0.006068	-2.03	-8.23	4.59	-3.66	-14.46	8.50	0.5390	0.4440
so4av2	7.1	-0.001521	0.003099	-1.07	-5.25	3.29	-1.51	-7.31	4.66	0.6240	5.5	0.003877	0.005919	2.16	-4.16	8.89	3.95	-7.43	16.74	0.5130	0.4230
so4av3	7.1	-0.005066	0.003076	-3.53	-7.57	0.69	-4.94	-10.50	0.97	0.1000	5.5	-0.007195	0.006074	-3.88	-9.97	2.62	-6.94	-17.39	4.82	0.2370	0.7560
com8l0	1.3	0.020821	0.009873	2.74	0.19	5.36	0.21	0.01	0.40	0.0353	0.5	0.041967	0.053499	2.12	-3.10	7.62	0.42	-0.63	1.48	0.4330	0.6960
com8l1	1.3	0.000796	0.010392	0.10	-2.51	2.79	0.01	-0.20	0.21	0.9390	0.5	0.045720	0.049537	2.31	-2.54	7.40	0.46	-0.51	1.44	0.3560	0.3720
com8l2	1.3	0.008388	0.010713	1.10	-1.63	3.89	0.08	-0.13	0.29	0.4340	0.5	0.136897	0.046092	7.08	2.36	12.03	1.38	0.47	2.30	0.0031	0.0065
com8l3	1.3	-0.006589	0.010884	-0.85	-3.56	1.94	-0.07	-0.28	0.15	0.5450	0.5	0.121843	0.046394	6.28	1.56	11.23	1.23	0.31	2.15	0.0088	0.0071
pm10av0	30.1	0.001859	0.000666	5.76	1.68	9.99	1.88	0.56	3.21	0.0054	23.9	0.001304	0.001409	3.17	-3.42	10.20	1.31	-1.45	4.15	0.3550	0.7200
pm10av1	30.1	0.000444	0.000681	1.35	-2.64	5.50	0.45	-0.89	1.80	0.5140	23.9	0.001622	0.001416	3.95	-2.72	11.09	1.64	-1.15	4.50	0.2520	0.4510
pm10av2	30.1	-0.000670	0.000701	-2.00	-5.97	2.14	-0.67	-2.02	0.71	0.3390	23.9	0.002318	0.001377	5.70	-0.91	12.74	2.35	-0.38	5.15	0.0926	0.0530
pm10av3	30.1	-0.000634	0.000689	-1.89	-5.80	2.18	-0.63	-1.96	0.72	0.3580	23.9	0.000373	0.001392	0.90	-5.47	7.69	0.37	-2.33	3.15	0.7890	0.5180
smkav0	24.0	0.002668	0.000881	6.61	2.29	11.12	2.70	0.95	4.49	0.0025	11.1	0.007021	0.002959	8.11	1.36	15.29	7.27	1.23	13.68	0.0179	0.1510
smkav1	24.0	0.000402	0.000908	0.97	-3.26	5.38	0.40	-1.37	2.21	0.6590	11.1	0.003095	0.002995	3.49	-3.03	10.46	3.14	-2.74	9.38	0.3020	0.3800
smkav2	24.0	0.000174	0.000928	0.42	-3.87	4.90	0.17	-1.63	2.01	0.8510	11.1	0.008719	0.002961	10.16	3.29	17.49	9.11	2.96	15.63	0.0033	0.0051
smkav3	24.0	-0.000145	0.000921	-0.35	-4.57	4.06	-0.14	-1.93	1.67	0.8750	11.1	0.005574	0.002991	6.38	-0.32	13.53	5.73	-0.29	12.12	0.0627	0.0638
pfrav0	14.7	0.002852	0.001173	4.28	0.81	7.87	2.89	0.55	5.29	0.0153	6.6	0.009226	0.004124	6.28	0.76	12.10	9.67	1.15	18.90	0.0256	0.1340
pfrav1	14.7	0.000302	0.001235	0.45	-3.07	4.08	0.30	-2.10	2.76	0.8070	6.6	0.005265	0.004152	3.54	-1.88	9.25	5.41	-2.83	14.34	0.2050	0.2490
pfrav2	14.7	0.000613	0.001245	0.91	-2.65	4.59	0.62	-1.81	3.10	0.6220	6.6	0.014185	0.004022	9.81	4.25	15.68	15.24	6.50	24.69	0.0004	0.0012
pfrav3	14.7	0.000564	0.001224	0.83	-2.66	4.45	0.57	-1.82	3.01	0.6450	6.6	0.013441	0.003996	9.28	3.77	15.07	14.39	5.77	23.70	0.0008	0.0021
sfrav0	17.2	0.001197	0.001250	2.08	-2.13	6.48	1.20	-1.25	3.72	0.3390	13.3	0.001915	0.002539	2.58	-3.99	9.60	1.93	-3.01	7.13	0.4510	0.8010
sfrav1	17.2	0.000576	0.001269	1.00	-3.24	5.41	0.58	-1.89	3.11	0.6500	13.3	-0.001565	0.002516	-2.06	-8.28	4.58	-1.55	-6.29	3.42	0.5340	0.4500
sfrav2	17.2	-0.000679	0.001287	-1.16	-5.36	3.22	-0.68	-3.15	1.86	0.5980	13.3	0.001593	0.002457	2.14	-4.19	8.90	1.61	-3.17	6.62	0.5170	0.4170
sfrav3	17.2	-0.002097	0.001276	-3.54	-7.61	0.70	-2.08	-4.49	0.40	0.1010	13.3	-0.003007	0.002520	-3.92	-10.03	2.60	-2.96	-7.64	1.95	0.2330	0.7490
pm25av0	23.3	0.002597	0.000977	6.24	1.60	11.09	2.63	0.68	4.62	0.0081	15.7	0.002493	0.002087	3.99	-2.48	10.89	2.52	-1.59	6.81	0.2330	0.9640
pm25av1	23.3	-0.000325	0.001027	-0.75	-5.30	4.01	-0.32	-2.31	1.70	0.7520	15.7	0.002904	0.002084	4.67	-1.83	11.60	2.95	-1.17	7.24	0.1640	0.1640
pm25av2	23.3	-0.002077	0.001024	-4.72	-9.08	-0.17	-2.06	-4.00	-0.07	0.0428	15.7	0.005106	0.002036	8.35	1.76	15.35	5.24	1.12	9.52	0.0124	0.0018
pm25av3	23.3	-0.001740	0.001021	-3.97	-8.35	0.61	-1.72	-3.67	0.26	0.0887	15.7	0.002241	0.002089	3.58	-2.87	10.46	2.27	-1.84	6.54	0.2840	0.0891
pmcoarse	10.0	0.006359	0.002773	6.56	0.92	12.51	6.57	0.93	12.52	0.0221	11.0	0.001807	0.003320	2.00	-5.03	9.57	1.82	-4.59	8.67	0.5860	0.2910
pmcoarse1	10.0	0.003957	0.002807	4.03	-1.53	9.92	4.04	-1.53	9.92	0.1590	11.0	0.001502	0.003366	1.66	-5.45	9.31	1.51	-4.97	8.44	0.6560	0.5750
pmcoarse2	10.0	0.000498	0.002859	0.49	-4.97	6.29	0.50	-4.98	6.29	0.8620	11.0	0.002175	0.003283	2.42	-4.57	9.93	2.20	-4.17	8.99	0.5080	0.7020
pmcoarse3	10.0	-0.001287	0.002838	-1.27	-6.62	4.36	-1.28	-6.62	4.37	0.6500	11.0	-0.002379	0.003319	-2.58	-9.31	4.64	-2.35	-8.50	4.21	0.4740	0.8040
pm10av0*	31.7	0.002191	0.000752	7.19	2.3	12.32	2.22	0.72	3.73	0.0037	23.9	0.000996	0.001429	2.41	-4.22	9.5	1	-1.79	3.87	0.4860	0.4590
pm10av1*	31.7	0.000470	0.000787	1.5	-3.35	6.59	0.47	-1.07	2.03	0.5510	23.9	0.001757	0.001422	4.29	-2.43	11.47	1.77	-1.03	4.65	0.2170	0.4290
pm10av2*	31.7	-0.000825	0.000799	-2.58	-7.3	2.38	-0.82	-2.36	0.74	0.3020	23.9	0.002662	0.001397	6.57	-0.18	13.78	2.7	-0.08	5.55	0.0572	0.0319
pm10av3*	31.7	-0.000969	0.000788	-3.03	-7.66	1.84	-0.96	-2.48	0.58	0.2190	23.9	0.000904	0.001425	2.19	-4.41	9.24	0.91	-1.87	3.77	0.5260	0.2550

Table 50 All Respiratory Ages 0-14 Hospital Admissions: seasonal results for cumulative day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	0.000794	0.000659	1.79	-1.10	4.76	0.80	-0.50	2.11	0.2280	28.4	0.001557	0.001146	4.52	-1.94	11.41	1.57	-0.69	3.88	0.1750	0.5580
no2mx02	20.0	0.000621	0.000770	1.25	-1.76	4.35	0.62	-0.88	2.15	0.4200	27.2	0.001804	0.001231	5.03	-1.65	12.15	1.82	-0.61	4.31	0.1430	0.4100
no2mx03	18.9	0.000169	0.000871	0.32	-2.86	3.61	0.17	-1.53	1.89	0.8460	25.2	0.002004	0.001311	5.18	-1.42	12.21	2.02	-0.56	4.68	0.1270	0.2410
c3m801	24.1	-0.001980	0.001219	-4.66	-9.99	0.99	-1.96	-4.27	0.41	0.1050	30.3	-0.002006	0.001235	-5.90	-12.55	1.26	-1.99	-4.33	0.42	0.1050	0.9870
c3m802	22.6	-0.001652	0.001377	-3.67	-9.37	2.40	-1.64	-4.26	1.05	0.2310	27.0	-0.002227	0.001356	-5.84	-12.36	1.17	-2.20	-4.77	0.43	0.1010	0.7560
c3m803	20.7	-0.002036	0.001490	-4.13	-9.75	1.85	-2.01	-4.84	0.89	0.1720	27.5	-0.002784	0.001439	-7.37	-14.28	0.10	-2.75	-5.45	0.04	0.0534	0.7060
so2av01	9.3	0.004046	0.002021	3.83	0.08	7.73	4.13	0.09	8.34	0.0456	7.6	0.010964	0.004004	8.69	2.40	15.37	11.59	3.16	20.70	0.0063	0.1160
so2av02	8.5	0.003918	0.002281	3.39	-0.47	7.39	4.00	-0.55	8.75	0.0862	7.0	0.013229	0.004404	9.70	3.27	16.54	14.14	4.70	24.43	0.0028	0.0557
so2av03	7.8	0.003704	0.002511	2.93	-0.94	6.96	3.77	-1.21	9.01	0.1410	6.6	0.015724	0.004705	10.94	4.39	17.90	17.03	6.72	28.33	0.0009	0.0219
so4av01	6.3	0.002724	0.003215	1.73	-2.23	5.85	2.76	-3.51	9.45	0.3970	5.1	0.000404	0.006665	0.21	-6.25	7.11	0.41	-11.89	14.42	0.9520	0.7560
so4av02	5.8	0.001337	0.003393	0.78	-3.03	4.74	1.35	-5.17	8.31	0.6940	4.7	0.002609	0.007019	1.23	-5.10	8.00	2.64	-10.55	17.78	0.7100	0.8710
so4av03	5.5	-0.000856	0.003539	-0.47	-4.19	3.40	-0.85	-7.50	6.27	0.8090	4.2	-0.001059	0.007430	-0.44	-6.35	5.84	-1.05	-14.46	14.46	0.8870	0.9810
so4av04	5.4	-0.001422	0.003646	-0.76	-4.52	3.14	-1.41	-8.21	5.89	0.6970	3.7	-0.005782	0.007871	-2.12	-7.55	3.63	-5.62	-19.11	10.13	0.4630	0.6190
so4av05	5.5	-0.002476	0.003717	-1.35	-5.23	2.68	-2.45	-9.30	4.93	0.5050	3.5	-0.010050	0.008304	-3.46	-8.80	2.20	-9.56	-23.15	6.42	0.2270	0.4100
com801	1.1	0.015974	0.011427	1.77	-0.70	4.31	0.16	-0.06	0.38	0.1630	0.4	0.053460	0.058181	2.43	-2.69	7.83	0.54	-0.60	1.69	0.3580	0.5250
com802	1.0	0.019015	0.013127	1.98	-0.69	4.72	0.19	-0.07	0.45	0.1480	0.4	0.127284	0.060627	5.63	0.36	11.16	1.28	0.08	2.49	0.0361	0.0793
com803	1.0	0.015208	0.014957	1.61	-1.47	4.79	0.15	-0.14	0.45	0.3100	0.4	0.187526	0.065791	8.30	2.52	14.40	1.89	0.59	3.22	0.0045	0.0103
pm10av01	28.2	0.001557	0.000754	4.49	0.22	8.94	1.57	0.08	3.08	0.0393	21.6	0.001908	0.001574	4.21	-2.51	11.39	1.93	-1.17	5.12	0.2260	0.8400
pm10av02	27.9	0.000952	0.000840	2.69	-1.92	7.52	0.96	-0.69	2.63	0.2580	20.9	0.002683	0.001701	5.77	-1.35	13.40	2.72	-0.65	6.20	0.1150	0.3600
pm10av03	25.8	0.000473	0.000908	1.23	-3.32	5.99	0.47	-1.30	2.28	0.6030	20.1	0.002472	0.001827	5.09	-2.20	12.94	2.50	-1.10	6.24	0.1760	0.3280
pm10av04	24.2	0.000656	0.000962	1.60	-2.93	6.35	0.66	-1.22	2.57	0.4960	19.7	0.001766	0.001944	3.54	-3.95	11.61	1.78	-2.02	5.74	0.3640	0.6100
pm10av05	23.2	0.001026	0.001015	2.41	-2.21	7.25	1.03	-0.96	3.06	0.3120	18.5	0.000196	0.002054	0.36	-6.84	8.12	0.20	-3.76	4.31	0.9240	0.7180
smkav01	19.7	0.002162	0.001020	4.35	0.32	8.54	2.19	0.16	4.25	0.0344	10.0	0.007132	0.003459	7.39	0.35	14.92	7.39	0.35	14.92	0.0395	0.1610
smkav02	18.6	0.001969	0.001139	3.73	-0.49	8.13	1.99	-0.26	4.29	0.0842	8.7	0.011016	0.003854	10.06	3.06	17.53	11.65	3.52	20.40	0.0044	0.0227
smkav03	17.3	0.001611	0.001264	2.83	-1.49	7.33	1.62	-0.86	4.17	0.2030	7.8	0.013303	0.004264	10.93	3.93	18.41	14.23	5.07	24.19	0.0019	0.0081
smkav04	16.1	0.001675	0.001364	2.73	-1.60	7.25	1.69	-0.99	4.44	0.2200	7.6	0.018074	0.004650	14.72	7.05	22.95	19.81	9.37	31.24	0.0001	0.0007
smkav05	14.6	0.002532	0.001459	3.77	-0.48	8.19	2.56	-0.33	5.54	0.0830	6.8	0.019785	0.005080	14.40	6.91	22.41	21.88	10.33	34.64	0.0001	0.0011
pfrav01	13.1	0.002356	0.001386	3.13	-0.47	6.87	2.38	-0.36	5.20	0.0897	5.9	0.009602	0.004647	5.83	0.29	11.67	10.08	0.49	20.58	0.0391	0.1330
pfrav02	12.1	0.002441	0.001544	3.00	-0.71	6.84	2.47	-0.58	5.62	0.1140	5.3	0.015482	0.005033	8.55	3.02	14.38	16.74	5.78	28.85	0.0022	0.0131
pfrav03	11.6	0.002202	0.001702	2.59	-1.31	6.63	2.23	-1.13	5.69	0.1960	4.9	0.020224	0.005436	10.42	4.80	16.33	22.41	10.04	36.18	0.0002	0.0016
pfrav04	11.2	0.002337	0.001840	2.65	-1.41	6.88	2.36	-1.26	6.12	0.2040	4.8	0.025042	0.005879	12.77	6.70	19.19	28.46	14.47	44.15	0.0000	0.0003
pfrav05	10.8	0.002975	0.001962	3.27	-0.94	7.65	3.02	-0.87	7.06	0.1300	4.4	0.023724	0.006425	11.00	5.02	17.33	26.77	11.77	43.79	0.0002	0.0022
sfrav01	15.2	0.001116	0.001334	1.71	-2.25	5.83	1.12	-1.49	3.80	0.4030	12.2	0.000123	0.002765	0.15	-6.26	7.00	0.12	-5.16	5.70	0.9650	0.7480
sfrav02	14.0	0.000568	0.001407	0.80	-3.03	4.78	0.57	-2.17	3.38	0.6870	11.3	0.001047	0.002912	1.19	-5.13	7.93	1.05	-4.55	6.99	0.7190	0.8830
sfrav03	13.2	-0.000335	0.001467	-0.44	-4.15	3.41	-0.33	-3.16	2.57	0.8190	10.0	-0.000475	0.003082	-0.47	-6.31	5.72	-0.47	-6.31	5.72	0.8780	0.9680
sfrav04	13.0	-0.000197	0.001539	-0.26	-4.09	3.73	-0.20	-3.16	2.86	0.8980	8.9	-0.002832	0.003389	-2.49	-8.09	3.45	-2.79	-9.04	3.88	0.4040	0.4840
sfrav05	12.6	-0.000140	0.001586	-0.18	-4.01	3.81	-0.14	-3.20	3.01	0.9300	8.7	-0.004919	0.003644	-4.19	-9.96	1.95	-4.80	-11.36	2.25	0.1770	0.2340
pm25av01	22.7	0.001769	0.001107	4.10	-0.91	9.35	1.78	-0.40	4.02	0.1110	15.3	0.003192	0.002286	5.01	-1.95	12.46	3.24	-1.28	7.98	0.1630	0.5750
pm25av02	22.4	0.000395	0.001226	0.89	-4.40	6.47	0.40	-1.99	2.84	0.7480	13.5	0.004516	0.002447	6.29	-0.38	13.40	4.62	-0.28	9.76	0.0655	0.1340
pm25av03	22.2	-0.000596	0.001323	-1.31	-6.83	4.53	-0.59	-3.14	2.02	0.6530	12.8	0.004980	0.002640	6.58	-0.25	13.88	5.11	-0.19	10.69	0.0597	0.0613
pm25av04	21.4	-0.000861	0.001405	-1.83	-7.45	4.13	-0.86	-3.55	1.91	0.5400	11.9	0.004810	0.002806	5.89	-0.82	13.05	4.93	-0.69	10.86	0.0869	0.0735
pm25av05	19.6	-0.000046	0.001483	-0.09	-5.62	5.77	-0.05	-2.91	2.90	0.9750	10.9	0.003689	0.003004	4.10	-2.37	11.00	3.76	-2.17	10.05	0.2200	0.2700
pmcoarsem01	8.9	0.006283	0.003306	5.75	-0.17	12.02	6.48	-0.20	13.61	0.0578	10.3	0.003120	0.003841	3.26	-4.43	11.59	3.17	-4.31	11.24	0.4170	0.5350
pmcoarsem02	8.0	0.005539	0.003744	4.53	-1.42	10.85	5.70	-1.78	13.74	0.1400	9.3	0.004981	0.004233	4.74	-3.03	13.14	5.11	-3.26	14.20	0.2400	0.9220
pmcoarsem03	7.7	0.003850	0.004124	3.00	-3.20	9.62	3.93	-4.14	12.67	0.3510	9.2	0.003413	0.004612	3.18	-5.04	12.13	3.47	-5.47	13.26	0.4600	0.9450
pmcoarsem04	6.9	0.002703	0.004524	1.88	-4.16	8.31	2.74	-5.98	12.27	0.5500	8.9	0.001912	0.004985	1.71	-6.75	10.95	1.93	-7.56	12.39	0.7010	0.9090
pmcoarsem05	6.7	0.003935	0.004960	2.67	-3.80	9.58	4.01	-5.62	14.63	0.4280	8.8	-0.000275	0.005289	-0.24	-8.93	9.28	-0.28	-10.10	10.62	0.9580	0.5760
pm10av01*	30.0	0.001730	0.000866	5.33	0.10	10.83	1.75	0.03	3.49	0.0461	21.6	£0.001746	0.001595	3.84	-2.94	11.1	1.76	-1.37	4.99	0.2740	0.9930
pm10av02*	29.3	0.000947	0.000966	2.81	-2.73	8.68	0.95	-0.94	2.88	0.3270	20.9	£0.002732	0.001719	5.88	-1.32	13.6	2.77	-0.63	6.29	0.1120	0.3700
pm10av03*	26.8	0.000258	0.001043	0.70	-4.67	6.37	0.26	-1.77	2.33	0.8040	20.1	£0.002849	0.001849	5.89	-1.54	13.89	2.89	-0.77	6.69	0.1240	0.2300
pm10av04*	24.8	-0.000001	0.001114	0.00	-5.27	5.56	0.00	-2.16	2.21	0.9990	19.7	£0.002303	0.001976	4.64	-3.05	12.94	2.33	-1.56	6.37	0.2440	0.3180
pm10av05*	24.6	0.000621	0.001177	1.54	-4.06	7.47	0.62	-1.67	2.97	0.5980	18.5	£0.000792	0.002083	1.48	-5.91	9.44	0.79	-3.24	5.00	0.7040	0.9440

Table 51 All Respiratory Ages 15-64 Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mxl0	24.6	0.00097	0.000814	0.24	-3.62	4.25	0.10	-1.49	1.71	0.9050	31.7	0.000039	0.001147	0.12	-6.76	7.52	0.04	-2.19	2.31	0.9730	0.9670
no2mxl1	24.6	-0.000429	0.000832	-1.05	-4.94	3.00	-0.43	-2.04	1.21	0.6060	31.7	0.000649	0.001139	2.08	-4.90	9.57	0.65	-1.57	2.92	0.5690	0.4410
no2mxl2	24.6	-0.000990	0.000858	-2.41	-6.36	1.71	-0.98	-2.64	0.69	0.2490	31.7	0.000653	0.001144	2.09	-4.91	9.61	0.66	-1.58	2.94	0.5680	0.2480
no2mxl3	24.6	-0.001537	0.000861	-3.71	-7.63	0.37	-1.53	-3.17	0.15	0.0745	31.7	0.000997	0.001121	3.21	-3.73	10.65	1.00	-1.19	3.24	0.3740	0.0717
o3m8l0	26.1	-0.004197	0.001358	-10.37	-16.39	-3.92	-4.11	-6.63	-1.52	0.0021	32.5	-0.000178	0.001159	-0.58	-7.65	7.04	-0.18	-2.42	2.12	0.8780	0.0233
o3m8l1	26.1	-0.000934	0.001367	-2.41	-9.00	4.66	-0.93	-3.55	1.76	0.4950	32.5	0.000495	0.001169	1.62	-5.67	9.48	0.50	-1.78	2.83	0.6720	0.4220
o3m8l2	26.1	-0.000278	0.001366	-0.72	-7.43	6.46	-0.28	-2.91	2.43	0.8390	32.5	0.001956	0.001146	6.56	-0.94	14.63	1.98	-0.29	4.29	0.0882	0.2040
o3m8l3	26.1	-0.001144	0.001358	-2.94	-9.46	4.04	-1.14	-3.73	1.53	0.4000	32.5	-0.000256	0.001139	-0.83	-7.77	6.63	-0.26	-2.46	2.00	0.8220	0.6120
so2avl0	9.3	0.001336	0.002440	1.25	-3.15	5.85	1.34	-3.39	6.31	0.5840	8.6	-0.000173	0.004055	-0.15	-6.75	6.91	-0.17	-7.80	8.08	0.9660	0.7460
so2avl1	9.3	-0.001331	0.002492	-1.23	-5.62	3.36	-1.32	-6.03	3.62	0.5930	8.6	-0.005639	0.004166	-4.73	-11.19	2.20	-5.48	-12.89	2.56	0.1760	0.3670
so2avl2	9.3	-0.005295	0.002605	-4.81	-9.22	-0.18	-5.16	-9.88	-0.19	0.0424	8.6	-0.006936	0.004202	-5.79	-12.23	1.12	-6.70	-14.08	1.31	0.0992	0.7360
so2avl3	9.3	-0.005317	0.002621	-4.82	-9.26	-0.17	-5.18	-9.93	-0.18	0.0428	8.6	-0.008419	0.004219	-6.98	-13.37	-0.13	-8.07	-15.37	-0.15	0.0463	0.5250
so4avl0	7.1	0.002766	0.003824	1.98	-3.30	7.56	2.80	-4.62	10.81	0.4700	5.5	0.004737	0.006749	2.64	-4.56	10.39	4.85	-8.14	19.68	0.4830	0.8010
so4avl1	7.1	-0.005885	0.003933	-4.09	-9.20	1.30	-5.71	-12.71	1.84	0.1350	5.5	0.007726	0.006669	4.34	-2.90	12.12	8.03	-5.20	23.12	0.2470	0.0811
so4avl2	7.1	-0.003838	0.003901	-2.69	-7.83	2.74	-3.77	-10.85	3.88	0.3250	5.5	0.008156	0.006531	4.59	-2.52	12.22	8.50	-4.54	23.31	0.2120	0.1180
so4avl3	7.1	-0.001416	0.003862	-1.00	-6.18	4.47	-1.41	-8.59	6.35	0.7140	5.5	-0.004642	0.006700	-2.52	-9.31	4.78	-4.54	-16.28	8.86	0.4890	0.6790
com8l0	1.3	-0.000701	0.014443	-0.09	-3.70	3.65	-0.01	-0.29	0.28	0.9610	0.5	-0.081377	0.060970	-3.99	-9.56	1.92	-0.81	-1.99	0.38	0.1820	0.1970
com8l1	1.3	-0.000402	0.014237	-0.05	-3.61	3.64	0.00	-0.28	0.28	0.9770	0.5	-0.081371	0.060067	-3.99	-9.48	1.83	-0.81	-1.97	0.36	0.1760	0.1890
com8l2	1.3	-0.017063	0.015154	-2.19	-5.90	1.66	-0.17	-0.47	0.13	0.2610	0.5	-0.076822	0.060997	-3.77	-9.35	2.16	-0.77	-1.94	0.43	0.2080	0.3410
com8l3	1.3	-0.025441	0.015361	-3.25	-6.97	0.61	-0.25	-0.55	0.05	0.0981	0.5	0.008004	0.059311	0.40	-5.27	6.41	0.08	-1.08	1.25	0.8930	0.5840
pm10avl0	30.1	0.000296	0.000904	0.90	-4.34	6.42	0.30	-1.46	2.09	0.7430	23.9	0.000166	0.001544	0.40	-6.61	7.93	0.17	-2.82	3.24	0.9140	0.9420
pm10avl1	30.1	0.000008	0.000896	0.02	-5.13	5.45	0.01	-1.73	1.78	0.9930	23.9	-0.000761	0.001556	-1.80	-8.70	5.62	-0.76	-3.74	2.32	0.6250	0.6690
pm10avl2	30.1	-0.001569	0.000911	-4.61	-9.60	0.65	-1.56	-3.30	0.22	0.0854	23.9	-0.000616	0.001543	-1.46	-8.33	5.92	-0.61	-3.57	2.44	0.6900	0.5960
pm10avl3	30.1	-0.001744	0.000922	-5.11	-10.14	0.19	-1.73	-3.49	0.06	0.0590	23.9	-0.000897	0.001528	-2.12	-8.88	5.14	-0.89	-3.82	2.12	0.5570	0.6360
smkavl0	24.0	0.000092	0.001239	0.22	-5.46	6.24	0.09	-2.31	2.55	0.9410	11.1	0.004151	0.003451	4.72	-2.86	12.88	4.24	-2.58	11.53	0.2290	0.2600
smkavl1	24.0	0.000708	0.001216	1.71	-3.94	7.70	0.71	-1.66	3.14	0.5600	11.1	0.000146	0.003470	0.16	-7.12	8.02	0.15	-6.44	7.19	0.9660	0.8760
smkavl2	24.0	-0.001372	0.001235	-3.24	-8.70	2.55	-1.36	-3.72	1.05	0.2670	11.1	0.000016	0.003486	0.02	-7.29	7.90	0.02	-6.59	7.09	0.9960	0.7020
smkavl3	24.0	-0.003387	0.001257	-7.81	-13.10	-2.19	-3.33	-5.68	-0.92	0.0072	11.1	0.002413	0.003458	2.72	-4.73	10.74	2.44	-4.27	9.63	0.4850	0.1080
pfravl0	14.7	0.000962	0.001656	1.42	-3.30	6.38	0.97	-2.26	4.30	0.5620	6.6	0.003878	0.004810	2.59	-3.60	9.18	3.95	-5.40	14.23	0.4200	0.5650
pfravl1	14.7	0.001881	0.001608	2.80	-1.85	7.68	1.90	-1.26	5.16	0.2430	6.6	-0.001637	0.004915	-1.07	-7.17	5.42	-1.62	-10.66	8.33	0.7390	0.4950
pfravl2	14.7	-0.001539	0.001688	-2.24	-6.88	2.64	-1.53	-4.73	1.79	0.3620	6.6	-0.002018	0.004979	-1.32	-7.48	5.24	-2.00	-11.11	8.05	0.6850	0.9270
pfravl3	14.7	-0.003725	0.001742	-5.33	-9.96	-0.46	-3.66	-6.89	-0.31	0.0328	6.6	0.003483	0.004922	2.33	-3.99	9.05	3.54	-5.98	14.03	0.4790	0.1660
sfravl0	17.2	0.001201	0.001586	2.09	-3.23	7.69	1.21	-1.89	4.40	0.4490	13.3	0.001903	0.002801	2.56	-4.66	10.33	1.92	-3.52	7.67	0.4970	0.8280
sfravl1	17.2	-0.002453	0.001633	-4.13	-9.27	1.29	-2.42	-5.50	0.75	0.1330	13.3	0.003212	0.002766	4.36	-2.90	12.17	3.26	-2.19	9.02	0.2460	0.0801
sfravl2	17.2	-0.001660	0.001621	-2.82	-7.98	2.64	-1.65	-4.72	1.53	0.3060	13.3	0.003367	0.002709	4.58	-2.55	12.23	3.42	-1.92	9.06	0.2140	0.1150
sfravl3	17.2	-0.000560	0.001602	-0.96	-6.17	4.54	-0.56	-3.63	2.61	0.7270	13.3	-0.001959	0.002780	-2.57	-9.38	4.75	-1.94	-7.14	3.55	0.4810	0.6660
pm25avl0	23.3	-0.002052	0.001366	-4.67	-10.43	1.47	-2.03	-4.62	0.63	0.1330	15.7	0.001121	0.002300	1.78	-5.18	9.24	1.13	-3.33	5.79	0.6260	0.2360
pm25avl1	23.3	-0.001367	0.001344	-3.13	-8.90	3.00	-1.36	-3.92	1.28	0.3090	15.7	0.001248	0.002292	1.98	-4.97	9.43	1.26	-3.19	5.91	0.5860	0.3270
pm25avl2	23.3	-0.001523	0.001325	-3.49	-9.15	2.53	-1.51	-4.04	1.08	0.2510	15.7	-0.000782	0.002287	-1.22	-7.93	5.98	-0.78	-5.13	3.77	0.7320	0.7800
pm25avl3	23.3	-0.002516	0.001345	-5.69	-11.31	0.28	-2.48	-5.02	0.12	0.0617	15.7	-0.000753	0.002277	-1.17	-7.86	6.00	-0.75	-5.08	3.78	0.7410	0.5060
pmcoarse	10.0	-0.002639	0.003657	-2.60	-9.34	4.63	-2.60	-9.34	4.63	0.4710	11.0	-0.002892	0.003463	-3.13	-10.10	4.37	-2.85	-9.23	3.97	0.4040	0.9600
pmcoarse1	10.0	0.000527	0.003594	0.52	-6.30	7.86	0.53	-6.31	7.86	0.8840	11.0	-0.006539	0.003537	-6.94	-13.77	0.43	-6.33	-12.60	0.39	0.0649	0.1630
pmcoarse2	10.0	-0.005666	0.003687	-5.50	-12.09	1.57	-5.51	-12.10	1.57	0.1250	11.0	-0.004780	0.003539	-5.12	-12.09	2.40	-4.67	-11.06	2.18	0.1770	0.8630
pmcoarse3	10.0	-0.006656	0.003691	-6.43	-12.96	0.58	-6.44	-12.97	0.58	0.0717	11.0	-0.004510	0.003484	-4.83	-11.72	2.58	-4.41	-10.72	2.35	0.1960	0.6740
pm10avl0*	31.7	-0.001028	0.001063	-3.21	-9.39	3.4	-1.02	-3.06	1.06	0.3340	23.9	0.000476	0.001557	1.15	-5.97	8.8	0.48	-2.54	3.59	0.7600	0.4290
pm10avl1*	31.7	-0.001443	0.001066	-4.47	-10.59	2.07	-1.43	-3.47	0.65	0.1760	23.9	-0.000262	0.001574	-0.62	-7.69	6.98	-0.26	-3.29	2.86	0.8680	0.5390
pm10avl2*	31.7	-0.002064	0.001074	-6.33	-12.38	0.13	-2.04	-4.08	0.04	0.0549	23.9	-0.000199	0.001559	-0.48	-7.49	7.07	-0.2	-3.2	2.9	0.8980	0.3290
pm10avl3*	31.7	-0.002100	0.001077	-6.44	-12.5	0.04	-2.08	-4.12	0.01	0.0517	23.9	-0.000487	0.001552	-1.16	-8.09	6.29	-0.49	-3.47	2.59	0.7530	0.3970

Table 52 All Respiratory Ages 15-64 Hospital Admissions: seasonal results for cumulative day lags

Poll/Lag	Cent1090.w	Est.w	Se(Est).w	RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx101	22.3	-0.000214	0.000937	-0.48	-4.47	3.68	-0.21	-2.03	1.64	0.8200	28.4	0.000418	0.001253	1.19	-5.62	8.50	0.42	-2.02	2.92	0.7390	0.6830
no2mx102	20.0	-0.000709	0.001067	-1.41	-5.45	2.80	-0.71	-2.76	1.39	0.5070	27.2	0.000627	0.001343	1.72	-5.31	9.27	0.63	-1.98	3.31	0.6410	0.4330
no2mx103	18.9	-0.001427	0.001192	-2.66	-6.87	1.73	-1.42	-3.69	0.91	0.2320	25.2	0.000941	0.001427	2.40	-4.57	9.88	0.95	-1.84	3.81	0.5100	0.2010
o3m8l01	24.1	-0.003306	0.001504	-7.66	-13.99	-0.86	-3.25	-6.06	-0.36	0.0282	30.3	0.000181	0.001283	0.55	-6.83	8.51	0.18	-2.31	2.73	0.8880	0.0754
o3m8l02	22.6	-0.002762	0.001619	-6.05	-12.55	0.93	-2.72	-5.76	0.41	0.0884	27.0	0.001088	0.001368	2.98	-4.21	10.71	1.09	-1.58	3.84	0.4270	0.0671
o3m8l03	20.7	-0.002939	0.001708	-5.90	-12.20	0.85	-2.90	-6.09	0.41	0.0857	27.5	0.000802	0.001448	2.23	-5.44	10.53	0.81	-2.02	3.71	0.5800	0.0925
so2av101	9.3	0.000022	0.002831	0.02	-5.01	5.32	0.02	-5.38	5.73	0.9940	7.6	-0.003604	0.004611	-2.70	-9.16	4.22	-3.54	-11.87	5.58	0.4350	0.4950
so2av102	8.5	-0.002820	0.003214	-2.37	-7.46	3.00	-2.78	-8.72	3.54	0.3800	7.0	-0.006433	0.005106	-4.40	-10.87	2.53	-6.23	-15.16	3.64	0.2080	0.5420
so2av103	7.8	-0.005189	0.003546	-3.97	-9.03	1.38	-5.06	-11.43	1.78	0.1440	6.6	-0.009451	0.005535	-6.05	-12.54	0.93	-9.02	-18.37	1.41	0.0881	0.5090
so4av101	6.3	-0.001529	0.004100	-0.96	-5.85	4.18	-1.52	-9.12	6.72	0.7090	5.1	0.007421	0.007312	3.86	-3.46	11.73	7.70	-6.68	24.30	0.3100	0.2890
so4av102	5.8	-0.002871	0.004286	-1.65	-6.33	3.26	-2.83	-10.66	5.69	0.5030	4.7	0.009907	0.007706	4.77	-2.41	12.47	10.41	-5.06	28.42	0.1990	0.1510
so4av103	5.5	-0.002722	0.004433	-1.49	-6.08	3.34	-2.69	-10.78	6.15	0.5390	4.2	0.005171	0.008156	2.20	-4.44	9.29	5.31	-10.25	23.56	0.5260	0.4000
so4av104	5.4	-0.003381	0.004578	-1.81	-6.45	3.07	-3.32	-11.62	5.75	0.4600	3.7	0.004362	0.008573	1.63	-4.50	8.15	4.46	-11.70	23.57	0.6110	0.4300
so4av105	5.5	-0.004489	0.004675	-2.44	-7.23	2.60	-4.39	-12.76	4.79	0.3370	3.5	0.003485	0.009003	1.23	-4.84	7.68	3.55	-13.20	23.53	0.6990	0.4370
com8l01	1.1	-0.000796	0.016406	-0.09	-3.56	3.51	-0.01	-0.33	0.31	0.9610	0.4	-0.106835	0.067983	-4.69	-10.24	1.20	-1.06	-2.37	0.26	0.1160	0.1280
com8l02	1.0	-0.009566	0.018760	-1.02	-4.70	2.80	-0.10	-0.47	0.27	0.5960	0.4	-0.127235	0.074902	-5.32	-11.12	0.85	-1.26	-2.70	0.20	0.0898	0.1280
com8l03	1.0	-0.022138	0.020999	-2.30	-6.43	2.02	-0.22	-0.63	0.19	0.2920	0.4	-0.114688	0.081814	-4.76	-11.03	1.96	-1.14	-2.71	0.46	0.1610	0.2710
pm10av101	28.2	0.000193	0.001009	0.55	-4.91	6.31	0.19	-1.77	2.19	0.8480	21.6	-0.000367	0.001722	-0.79	-7.76	6.71	-0.37	-3.67	3.05	0.8310	0.7790
pm10av102	27.9	-0.000658	0.001104	-1.82	-7.57	4.29	-0.66	-2.78	1.52	0.5510	20.9	-0.000594	0.001867	-1.23	-8.51	6.62	-0.59	-4.16	3.11	0.7500	0.9760
pm10av103	25.8	-0.001358	0.001189	-3.44	-9.08	2.54	-1.35	-3.62	0.98	0.2540	20.1	-0.000892	0.001994	-1.78	-9.20	6.25	-0.89	-4.69	3.06	0.6550	0.8420
pm10av104	24.2	-0.001569	0.001265	-3.73	-9.33	2.23	-1.56	-3.97	0.91	0.2150	19.7	-0.001375	0.002113	-2.67	-10.30	5.60	-1.37	-5.37	2.81	0.5160	0.9380
pm10av105	23.2	-0.000905	0.001329	-2.08	-7.82	4.02	-0.90	-3.45	1.71	0.4960	18.5	-0.001330	0.002226	-2.43	-9.99	5.77	-1.32	-5.53	3.08	0.5500	0.8710
smkav101	19.7	0.000541	0.001411	1.07	-4.29	6.73	0.54	-2.20	3.36	0.7020	10.0	0.002891	0.004037	2.93	-4.90	11.41	2.93	-4.90	11.41	0.4740	0.5770
smkav102	18.6	-0.000327	0.001568	-0.61	-6.13	5.24	-0.33	-3.34	2.78	0.8350	8.7	0.002520	0.004537	2.22	-5.39	10.44	2.55	-6.17	12.09	0.5790	0.5490
smkav103	17.3	-0.002004	0.001726	-3.41	-8.90	2.42	-1.98	-5.24	1.39	0.2460	7.8	0.003868	0.005007	3.06	-4.53	11.26	3.94	-5.77	14.66	0.4400	0.2650
smkav104	16.1	-0.002785	0.001867	-4.39	-9.86	1.42	-2.75	-6.24	0.88	0.1360	7.6	0.007576	0.005475	5.93	-2.37	14.93	7.87	-3.10	20.09	0.1670	0.0730
smkav105	14.6	-0.002284	0.001997	-3.28	-8.65	2.41	-2.26	-6.01	1.64	0.2530	6.8	0.010455	0.005927	7.37	-0.79	16.19	11.02	-1.16	24.70	0.0781	0.0425
pfrav101	13.1	0.001973	0.001901	2.62	-2.27	7.75	1.99	-1.74	5.86	0.3000	5.9	0.001579	0.005507	0.94	-5.29	7.57	1.59	-8.80	13.17	0.7740	0.9460
pfrav102	12.1	0.000745	0.002117	0.91	-4.03	6.10	0.75	-3.35	5.02	0.7250	5.3	-0.000108	0.006116	-0.06	-6.21	6.50	-0.11	-11.39	12.61	0.9860	0.8950
pfrav103	11.6	-0.001317	0.002338	-1.52	-6.62	3.86	-1.31	-5.73	3.32	0.5740	4.9	0.001629	0.006661	0.80	-5.44	7.46	1.64	-10.80	15.82	0.8070	0.6770
pfrav104	11.2	-0.002446	0.002522	-2.70	-7.94	2.84	-2.42	-7.12	2.53	0.3320	4.8	0.004957	0.007190	2.41	-4.29	9.57	5.08	-8.73	20.99	0.4910	0.3330
pfrav105	10.8	-0.002182	0.002682	-2.33	-7.72	3.38	-2.16	-7.17	3.12	0.4160	4.4	0.008721	0.007691	3.91	-2.76	11.04	9.11	-6.16	26.87	0.2570	0.1830
sfrav101	15.2	-0.000638	0.001701	-0.97	-5.86	4.18	-0.64	-3.89	2.73	0.7080	12.2	0.003049	0.003034	3.79	-3.47	11.60	3.10	-2.86	9.41	0.3150	0.2930
sfrav102	14.0	-0.001197	0.001778	-1.67	-6.37	3.27	-1.19	-4.57	2.31	0.5010	11.3	0.004084	0.003198	4.72	-2.44	12.41	4.17	-2.16	10.91	0.2020	0.1530
sfrav103	13.2	-0.001097	0.001838	-1.44	-6.02	3.36	-1.09	-4.59	2.54	0.5510	10.0	0.002112	0.003384	2.13	-4.42	9.14	2.13	-4.42	9.14	0.5330	0.4090
sfrav104	13.0	-0.001322	0.001937	-1.70	-6.44	3.27	-1.31	-4.99	2.50	0.4950	8.9	0.002059	0.003695	1.85	-4.51	8.63	2.08	-5.05	9.75	0.5770	0.4220
sfrav105	12.6	-0.001663	0.002008	-2.07	-6.81	2.91	-1.65	-5.45	2.30	0.4080	8.7	0.001130	0.003951	0.99	-5.59	8.03	1.14	-6.40	9.28	0.7750	0.5330
pm25av101	22.7	-0.001974	0.001479	-4.38	-10.47	2.12	-1.96	-4.76	0.93	0.1820	15.3	0.001086	0.002527	1.67	-5.75	9.68	1.09	-3.79	6.22	0.6680	0.2980
pm25av102	22.4	-0.002540	0.001574	-5.53	-11.84	1.23	-2.51	-5.47	0.55	0.1070	13.5	0.000141	0.002721	0.19	-6.77	7.67	0.14	-5.06	5.63	0.9590	0.3960
pm25av103	22.2	-0.003430	0.001686	-7.33	-13.89	-0.28	-3.37	-6.51	-0.13	0.0422	12.8	-0.000239	0.002908	-0.31	-7.32	7.24	-0.24	-5.77	5.61	0.9340	0.3450
pm25av104	21.4	-0.003401	0.001788	-7.02	-13.74	0.22	-3.34	-6.67	0.10	0.0575	11.9	-0.000383	0.003082	-0.45	-7.36	6.97	-0.38	-6.22	5.82	0.9010	0.4000
pm25av105	19.6	-0.002325	0.001870	-4.45	-11.08	2.66	-2.30	-5.81	1.35	0.2140	10.9	0.000470	0.003271	0.51	-6.27	7.79	0.47	-5.77	7.12	0.8860	0.4610
pmcoarsem01	8.9	-0.002517	0.004253	-2.21	-9.20	5.31	-2.49	-10.28	5.99	0.5540	10.3	-0.006897	0.003977	-6.85	-14.04	0.92	-6.66	-13.66	0.90	0.0833	0.4560
pmcoarsem02	8.0	-0.005560	0.004814	-4.35	-11.30	3.14	-5.41	-13.93	3.95	0.2490	9.3	-0.008807	0.004398	-7.86	-14.96	-0.17	-8.43	-15.99	-0.19	0.0456	0.6230
pmcoarsem03	7.7	-0.007936	0.005285	-5.92	-13.13	1.88	-7.63	-16.72	2.45	0.1340	9.2	-0.010496	0.004750	-9.20	-16.65	-1.08	-9.96	-17.97	-1.18	0.0274	0.7230
pmcoarsem04	6.9	-0.006763	0.005774	-4.55	-11.72	3.19	-6.54	-16.54	4.66	0.2420	8.9	-0.012321	0.005097	-10.38	-18.00	-2.05	-11.59	-20.00	-2.31	0.0158	0.4800
pmcoarsem05	6.7	-0.003799	0.006278	-2.51	-10.22	5.86	-3.73	-14.87	8.88	0.5450	8.8	-0.015506	0.005398	-12.75	-20.51	-4.24	-14.36	-22.96	-4.81	0.0042	0.1680
pm10av101*	30	-0.001557	0.001185	-4.56	-10.99	2.33	-1.55	-3.81	0.77	0.1890	21.6	0.00016	0.001734	0.35	-6.76	7.99	0.16	-3.19	3.62	0.926	0.4200
pm10av102*	29.3	-0.002282	0.001292	-6.47	-13.16	0.74	-2.26	-4.7	0.25	0.0779	20.9	0.000065	0.001875	0.14	-7.27	8.13	0.07	-3.55	3.81	0.972	0.3110
pm10av103*	26.8	-0.002919	0.00139	-7.53	-14.04	-0.52	-2.88	-5.49	-0.19	0.0361	20.1	-0.000119	0.002002	-0.24	-7.8	7.95	-0.12	-3.96	3.88	0.953	0.2600
pm10av104*	24.8	-0.003308	0.001483	-7.88	-14.28	-0.99	-3.25	-6.03	-0.4	0.0261	19.7	-0.000593	0.002126	-1.16	-8.95	7.29	-0.59	-4.65	3.64	0.78	0.3050
pm10av105*	24.6	-0.002517	0.001566	-6	-12.84	1.37	-2.49	-5.43	0.55	0.1080	18.5	-0.00052	0.002246	-0.96	-8.7	7.44	-0.52	-4.8	3.96	0.817	0.4760

Table 53 All Respiratory Ages 65+ Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx10	24.6	-0.000158	0.000596	-0.39	-3.21	2.51	-0.16	-1.32	1.01	0.7910	31.7	0.002248	0.000915	7.39	1.45	13.67	2.27	0.46	4.12	0.0143	0.0267
no2mx11	24.6	-0.000380	0.000607	-0.93	-3.79	2.01	-0.38	-1.56	0.81	0.5310	31.7	0.002103	0.000936	6.89	0.85	13.29	2.13	0.27	4.02	0.0249	0.0256
no2mx12	24.6	-0.000296	0.000620	-0.73	-3.65	2.28	-0.30	-1.50	0.92	0.6330	31.7	0.001488	0.000960	4.83	-1.24	11.28	1.50	-0.39	3.43	0.1220	0.1180
no2mx13	24.6	0.000138	0.000603	0.34	-2.54	3.30	0.14	-1.04	1.33	0.8190	31.7	0.001283	0.000945	4.15	-1.79	10.45	1.29	-0.57	3.18	0.1750	0.3040
o3m810	26.1	-0.000478	0.001063	-1.24	-6.47	4.28	-0.48	-2.53	1.62	0.6530	32.5	-0.000658	0.001023	-2.12	-8.29	4.48	-0.66	-2.63	1.36	0.5200	0.9020
o3m811	26.1	-0.000928	0.001067	-2.39	-7.58	3.08	-0.92	-2.97	1.17	0.3850	32.5	0.001484	0.001013	4.94	-1.62	11.93	1.49	-0.50	3.53	0.1430	0.0947
o3m812	26.1	-0.002429	0.001153	-6.14	-11.52	-0.44	-2.40	-4.58	-0.17	0.0354	32.5	0.001775	0.001095	5.94	-1.20	13.59	1.79	-0.37	4.00	0.1050	0.0055
o3m813	26.1	-0.003141	0.001124	-7.87	-13.02	-2.42	-3.09	-5.20	-0.93	0.0053	32.5	0.000843	0.000983	2.78	-3.46	9.42	0.85	-1.08	2.81	0.3920	0.0064
so2av10	9.3	-0.001627	0.001847	-1.50	-4.76	1.87	-1.61	-5.11	2.01	0.3790	8.6	-0.000747	0.003279	-0.64	-5.98	5.01	-0.74	-6.92	5.84	0.8200	0.8130
so2av11	9.3	-0.002294	0.001860	-2.11	-5.37	1.27	-2.27	-5.77	1.36	0.2180	8.6	0.000644	0.003319	0.56	-4.92	6.34	0.65	-5.69	7.41	0.8460	0.4340
so2av12	9.3	-0.000119	0.001821	-0.11	-3.37	3.26	-0.12	-3.62	8.6	0.9480	8.6	-0.000708	0.003368	-0.61	-6.09	5.20	-0.71	-7.05	6.07	0.8340	0.8760
so2av13	9.3	0.002319	0.001803	2.18	-1.12	5.59	2.35	-1.21	6.03	0.1990	8.6	-0.001150	0.003358	-0.98	-6.43	4.78	-1.14	-7.44	5.58	0.7320	0.3570
so4av10	7.1	-0.007803	0.003150	-5.39	-9.45	-1.15	-7.51	-13.04	-1.62	0.0134	5.5	0.009526	0.005704	5.38	-0.91	12.06	9.99	-1.64	23.01	0.0953	0.0086
so4av11	7.1	-0.006047	0.003120	-4.20	-8.27	0.05	-5.87	-11.45	0.07	0.0530	5.5	0.017014	0.005566	9.81	3.41	16.60	18.55	6.30	32.21	0.0023	0.0004
so4av12	7.1	-0.003703	0.003105	-2.60	-6.71	1.71	-3.64	-9.32	2.41	0.2330	5.5	0.014154	0.005454	8.10	1.92	14.64	15.20	3.52	28.20	0.0096	0.0051
so4av13	7.1	-0.003974	0.003067	-2.78	-6.84	1.46	-3.90	-9.50	2.06	0.1950	5.5	0.009084	0.005507	5.12	-0.94	11.55	9.51	-1.69	21.99	0.0994	0.0405
com810	1.3	0.008606	0.010407	1.13	-1.52	3.84	0.09	-0.12	0.29	0.4090	0.5	0.056932	0.049280	2.89	-1.96	7.98	0.57	-0.40	1.55	0.2480	0.3370
com811	1.3	-0.008769	0.010577	-1.13	-3.76	1.57	-0.09	-0.29	0.12	0.4070	0.5	0.040471	0.049203	2.04	-2.76	7.09	0.41	-0.56	1.38	0.4110	0.3270
com812	1.3	0.001586	0.010802	0.21	-2.51	3.00	0.02	-0.20	0.23	0.8830	0.5	0.077036	0.048744	3.93	-0.92	9.01	0.77	-0.18	1.74	0.1140	0.1310
com813	1.3	0.007739	0.010698	1.01	-1.71	3.80	0.08	-0.13	0.29	0.4700	0.5	0.038813	0.049329	1.96	-2.85	7.01	0.39	-0.58	1.36	0.4320	0.5370
pm10av10	30.1	-0.001419	0.000715	-4.18	-8.14	-0.05	-1.41	-2.78	-0.02	0.0475	23.9	0.002153	0.001259	5.28	-0.75	11.68	2.18	-0.31	4.73	0.0876	0.0144
pm10av11	30.1	-0.001039	0.000699	-3.08	-6.99	1.00	-1.03	-2.38	0.33	0.1380	23.9	0.003112	0.001262	7.72	1.54	14.28	3.16	0.64	5.75	0.0139	0.0044
pm10av12	30.1	-0.000246	0.000695	-0.74	-4.72	3.42	-0.25	-1.60	1.12	0.7230	23.9	0.002283	0.001261	5.61	-0.45	12.04	2.31	-0.19	4.87	0.0707	0.0814
pm10av13	30.1	0.000280	0.000692	0.85	-3.19	5.05	0.28	-1.07	1.65	0.6860	23.9	0.002003	0.001254	4.90	-1.08	11.25	2.02	-0.45	4.56	0.1110	0.2310
smkav10	24.0	-0.000212	0.000944	-0.51	-4.83	4.01	-0.21	-2.04	1.65	0.8220	11.1	0.009583	0.002810	11.22	4.63	18.23	10.06	4.16	16.29	0.0007	0.0008
smkav11	24.0	-0.000656	0.000935	-1.56	-5.80	2.87	-0.65	-2.46	1.18	0.4830	11.1	0.001585	0.002864	1.78	-4.37	8.32	1.60	-3.95	7.46	0.5800	0.4500
smkav12	24.0	-0.000659	0.000927	-1.57	-5.77	2.82	-0.66	-2.45	1.17	0.4780	11.1	0.004105	0.002856	4.66	-1.64	11.37	4.19	-1.48	10.19	0.1510	0.1080
smkav13	24.0	0.000104	0.000937	0.25	-4.07	4.77	0.10	-1.72	1.96	0.9120	11.1	0.000282	0.002914	0.31	-5.85	6.88	0.28	-5.29	6.18	0.9230	0.9530
pfrav10	14.7	0.000072	0.001262	0.11	-3.47	3.81	0.07	-2.37	2.58	0.9540	6.6	0.012046	0.003931	8.27	2.91	13.92	12.80	4.44	21.84	0.0023	0.0038
pfrav11	14.7	-0.000625	0.001268	-0.92	-4.47	2.77	-0.62	-3.06	1.88	0.6220	6.6	0.002927	0.004035	1.95	-3.23	7.41	2.97	-4.86	11.44	0.4680	0.4010
pfrav12	14.7	-0.001413	0.001280	-2.06	-5.60	1.62	-1.40	-3.85	1.10	0.2700	6.6	0.004643	0.004061	3.11	-2.17	8.67	4.75	-3.26	13.43	0.2530	0.1560
pfrav13	14.7	0.000461	0.001278	0.68	-2.96	4.46	0.46	-2.02	3.01	0.7180	6.6	0.009306	0.003979	6.33	1.00	11.95	9.75	1.52	18.65	0.0196	0.0339
sfrav10	17.2	-0.003240	0.001306	-5.42	-9.49	-1.16	-3.19	-5.63	-0.68	0.0133	13.3	0.003951	0.002365	5.40	-0.91	12.10	4.03	-0.68	8.97	0.0952	0.0085
sfrav11	17.2	-0.002529	0.001295	-4.26	-8.35	0.02	-2.50	-4.94	0.01	0.0512	13.3	0.007056	0.002308	9.84	3.43	16.65	7.31	2.56	12.28	0.0023	0.0004
sfrav12	17.2	-0.001601	0.001290	-2.72	-6.86	1.61	-1.59	-4.05	0.93	0.2150	13.3	0.005905	0.002263	8.17	1.98	14.74	6.08	1.48	10.89	0.0092	0.0045
sfrav13	17.2	-0.001622	0.001272	-2.75	-6.83	1.51	-1.61	-4.03	0.87	0.2030	13.3	0.003728	0.002284	5.08	-0.99	11.53	3.80	-0.75	8.55	0.1030	0.0430
pm25av10	23.3	-0.002481	0.001082	-5.62	-10.17	-0.84	-2.45	-4.50	-0.36	0.0221	15.7	0.003941	0.001887	6.38	0.38	12.74	4.02	0.24	7.94	0.0372	0.0035
pm25av11	23.3	-0.001475	0.001059	-3.38	-7.94	1.41	-1.46	-3.49	0.60	0.1640	15.7	0.004754	0.001877	7.75	1.70	10.16	4.87	1.08	8.80	0.0116	0.0044
pm25av12	23.3	-0.000063	0.001034	-0.15	-4.75	4.68	-0.06	-2.07	1.98	0.9520	15.7	0.002654	0.001884	4.25	-1.62	10.48	2.69	-1.03	6.55	0.1590	0.2120
pm25av13	23.3	-0.000068	0.001028	-0.16	-4.74	4.64	-0.07	-2.06	1.97	0.9480	15.7	0.003775	0.001866	6.11	0.19	12.38	3.85	0.12	7.72	0.0435	0.0740
pmcoarse	10.0	-0.005949	0.002877	-5.77	-10.94	-0.30	-5.78	-10.94	-0.31	0.0391	11.0	0.003173	0.002891	3.55	-2.70	10.21	3.22	-2.46	9.24	0.2730	0.0268
pmcoarse1	10.0	-0.006516	0.002866	-6.30	-11.42	-0.89	-6.31	-11.43	-0.89	0.0233	11.0	0.004391	0.002876	4.94	-1.36	11.66	4.49	-1.24	10.55	0.1270	0.0080
pmcoarse2	10.0	-0.003658	0.002931	-3.59	-8.97	2.10	-3.59	-8.97	2.11	0.2120	11.0	0.005058	0.002893	5.72	-0.67	12.52	5.19	-0.61	11.33	0.0809	0.0379
pmcoarse3	10.0	-0.002419	0.002860	-2.38	-7.71	3.23	-2.39	-7.71	3.24	0.3980	11.0	0.002890	0.002867	3.23	-2.95	9.81	2.93	-2.69	8.88	0.3140	0.1980
pm10av10*	31.7	-0.001929	0.000823	-5.93	-10.62	-1	-1.91	-3.48	-0.32	0.0194	23.9	0.002525	0.001280	6.22	0.04	12.78	2.56	0.02	5.16	0.0489	0.0040
pm10av11*	31.7	-0.001309	0.000816	-4.07	-8.81	0.92	-1.3	-2.87	0.29	0.1090	23.9	0.003284	0.001280	8.16	1.87	14.85	3.34	0.78	5.96	0.0106	0.0030
pm10av12*	31.7	-0.000598	0.000800	-1.88	-6.64	3.13	-0.6	-2.14	0.98	0.4550	23.9	0.002599	0.001278	6.41	0.23	12.97	2.63	0.09	5.24	0.0424	0.0375
pm10av13*	31.7	-0.000325	0.000797	-1.02	-5.81	4	-0.32	-1.87	1.25	0.6840	23.9	0.002453	0.001265	6.04	-0.06	12.51	2.48	-0.03	5.06	0.0529	0.0676

Table 54 All Respiratory Ages 65+ Hospital Admissions: seasonal results for cumulative day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	-0.000345	0.000680	-0.77	-3.67	2.23	-0.34	-1.66	0.99	0.6120	28.4	0.002664	0.001012	7.86	1.95	14.11	2.70	0.68	4.76	0.0086	0.0133
no2mx02	20.0	-0.000472	0.000774	-0.94	-3.90	2.11	-0.47	-1.97	1.05	0.5420	27.2	0.002893	0.001098	8.19	2.03	14.71	2.93	0.74	5.17	0.0086	0.0123
no2mx03	18.9	-0.000385	0.000856	-0.72	-3.82	2.47	-0.38	-2.04	1.30	0.6530	25.2	0.003175	0.001178	8.33	2.20	14.82	3.23	0.87	5.64	0.0072	0.0148
o3m801	24.1	-0.000925	0.001176	-2.20	-7.49	3.38	-0.92	-3.18	1.39	0.4320	30.3	0.000508	0.001132	1.55	-5.05	8.62	0.51	-1.70	2.77	0.6540	0.3720
o3m802	22.6	-0.002060	0.001300	-4.55	-9.89	1.11	-2.04	-4.50	0.49	0.1130	27.0	0.001245	0.001250	3.42	-3.20	10.49	1.25	-1.20	3.76	0.3200	0.0597
o3m803	20.7	-0.003399	0.001400	-6.79	-11.94	-1.35	-3.34	-5.96	-0.65	0.0154	27.5	0.001465	0.001331	4.11	-3.09	11.85	1.48	-1.14	4.16	0.2710	0.0096
so2av01	9.3	-0.002658	0.002122	-2.44	-6.14	1.41	-2.62	-6.59	1.51	0.2110	7.6	-0.000096	0.003709	-0.07	-5.44	5.60	-0.10	-7.10	7.44	0.9790	0.5440
so2av02	8.5	-0.002289	0.002344	-1.93	-5.68	1.98	-2.26	-6.65	2.33	0.3290	7.0	-0.000404	0.004098	-0.28	-5.73	5.49	-0.40	-8.09	7.93	0.9220	0.6860
so2av03	7.8	-0.000969	0.002528	-0.75	-4.52	3.16	-0.96	-5.75	4.07	0.7020	6.6	-0.000824	0.004427	-0.54	-6.08	5.32	-0.82	-9.06	8.17	0.8520	0.9770
so4av01	6.3	-0.007947	0.003340	-4.88	-8.73	-0.88	-7.64	-13.49	-1.39	0.0176	5.1	0.016926	0.006194	9.02	2.47	15.98	18.44	4.90	33.73	0.0064	0.0005
so4av02	5.8	-0.007472	0.003471	-4.24	-7.95	-0.39	-7.20	-13.30	-0.67	0.0316	4.7	0.020451	0.006473	10.09	3.72	16.85	22.69	8.07	39.29	0.0016	0.0002
so4av03	5.5	-0.007547	0.003583	-4.07	-7.70	-0.29	-7.27	-13.56	-0.52	0.0355	4.2	0.020469	0.006775	8.98	3.07	15.23	22.71	7.46	40.14	0.0026	0.0003
so4av04	5.4	-0.008689	0.003699	-4.58	-8.25	-0.77	-8.32	-14.73	-1.43	0.0191	3.7	0.015330	0.007142	5.84	0.49	11.46	16.57	1.34	34.08	0.0321	0.0034
so4av05	5.5	-0.010198	0.003765	-5.45	-9.22	-1.54	-9.70	-16.12	-2.78	0.0069	3.5	0.012196	0.007449	4.36	-0.84	9.83	12.97	-2.38	30.73	0.1020	0.0084
com801	1.1	-0.000354	0.011911	-0.04	-2.57	2.56	0.00	-0.24	0.23	0.9760	0.4	0.059766	0.055278	2.73	-2.16	7.86	0.60	-0.48	1.70	0.2800	0.2870
com802	1.0	0.000457	0.013531	0.05	-2.65	2.82	0.00	-0.26	0.27	0.9730	0.4	0.086085	0.060407	3.77	-1.38	9.19	0.86	-0.32	2.07	0.1550	0.1660
com803	1.0	0.004117	0.015002	0.43	-2.62	3.58	0.04	-0.25	0.34	0.7840	0.4	0.101717	0.066161	4.42	-1.18	10.33	1.02	-0.28	2.34	0.1250	0.1490
pm10av01	28.2	-0.001589	0.000793	-4.38	-8.48	-0.10	-1.58	-3.09	-0.04	0.0453	21.6	0.003359	0.001406	7.53	1.31	14.12	3.42	0.61	6.31	0.0171	0.0025
pm10av02	27.9	-0.001410	0.000858	-3.86	-8.27	0.76	-1.40	-3.04	0.27	0.1010	20.9	0.003940	0.001527	8.58	2.00	15.59	4.02	0.95	7.18	0.0101	0.0027
pm10av03	25.8	-0.001133	0.000917	-2.88	-7.28	1.73	-1.13	-2.89	0.67	0.2170	20.1	0.004458	0.001643	9.37	2.52	16.69	4.56	1.25	7.98	0.0068	0.0035
pm10av04	24.2	-0.001356	0.000969	-3.23	-7.58	1.32	-1.35	-3.20	0.54	0.1620	19.7	0.004589	0.001747	9.46	2.32	17.10	4.70	1.17	8.34	0.0088	0.0035
pm10av05	23.2	-0.001564	0.001026	-3.56	-7.96	1.04	-1.55	-3.51	0.45	0.1280	18.5	0.004198	0.001849	8.08	1.07	15.57	4.29	0.58	8.13	0.0234	0.0074
smkav01	19.7	-0.000582	0.001079	-1.14	-5.17	3.07	-0.58	-2.66	1.55	0.5900	10.0	0.007824	0.003298	8.14	1.37	15.36	8.14	1.37	15.36	0.0179	0.0145
smkav02	18.6	-0.000877	0.001186	-1.62	-5.78	2.73	-0.87	-3.15	1.46	0.4600	7.7	0.009589	0.003685	8.70	2.08	15.75	10.06	2.39	18.31	0.0094	0.0066
smkav03	17.3	-0.000789	0.001297	-1.35	-5.60	3.08	-0.79	-3.28	1.77	0.5440	8.8	0.009442	0.004108	7.64	1.09	14.62	9.90	1.40	19.12	0.0218	0.0175
smkav04	16.1	-0.001081	0.001394	-1.72	-5.95	2.70	-1.07	-3.74	1.67	0.4390	7.6	0.009431	0.004518	7.43	0.44	14.91	9.89	0.58	20.07	0.0372	0.0265
smkav05	14.6	-0.001246	0.001494	-1.80	-5.91	2.49	-1.24	-4.09	1.70	0.4050	6.8	0.012103	0.004881	8.58	1.74	15.88	12.87	2.57	24.20	0.0134	0.0093
pfrav01	13.1	-0.000521	0.001470	-0.68	-4.36	3.14	-0.52	-3.35	2.39	0.7230	5.9	0.008944	0.004444	5.42	0.14	10.98	9.36	0.23	19.31	0.0445	0.0435
pfrav02	12.1	-0.001266	0.001623	-1.52	-5.24	2.34	-1.26	-4.35	1.93	0.4360	5.3	0.010282	0.004887	5.60	0.37	11.10	10.83	0.71	21.97	0.0357	0.0256
pfrav03	11.6	-0.001173	0.001772	-1.35	-5.25	2.70	-1.17	-4.54	2.33	0.5080	4.9	0.014259	0.005281	7.24	1.93	12.82	15.33	3.98	27.90	0.0071	0.0060
pfrav04	11.2	-0.001409	0.001901	-1.57	-5.59	2.63	-1.40	-5.00	2.34	0.4590	4.8	0.014636	0.005729	7.28	1.65	13.22	15.76	3.47	29.52	0.0108	0.0085
pfrav05	10.8	-0.001229	0.002025	-1.32	-5.46	3.00	-1.22	-5.06	2.78	0.5440	4.4	0.015474	0.006137	7.05	1.53	12.86	16.74	3.51	31.65	0.0119	0.0104
sfrav01	15.2	-0.003323	0.001386	-4.93	-8.77	-0.92	-3.27	-5.86	-0.60	0.0168	12.2	0.007022	0.002570	8.95	2.45	15.85	7.27	2.01	12.82	0.0064	0.0005
sfrav02	14.0	-0.003114	0.001440	-4.28	-8.00	-0.41	-3.07	-5.76	-0.29	0.0309	11.3	0.008502	0.002686	10.08	3.73	16.83	8.87	3.29	14.76	0.0016	0.0002
sfrav03	13.2	-0.003125	0.001486	-4.04	-7.66	-0.28	-3.08	-5.86	-0.21	0.0358	10.0	0.008491	0.002811	8.86	3.03	15.03	8.86	3.03	15.03	0.0026	0.0003
sfrav04	13.0	-0.003636	0.001564	-4.62	-8.34	-0.74	-3.57	-6.48	-0.57	0.0204	8.9	0.006978	0.003053	6.41	0.89	12.23	7.23	1.00	13.84	0.0225	0.0024
sfrav05	12.6	-0.003710	0.001613	-4.57	-8.29	-0.69	-3.64	-6.64	-0.55	0.0217	8.7	0.006353	0.003251	5.68	-0.02	11.71	6.56	-0.02	13.57	0.0511	0.0063
pm25av01	22.7	-0.002586	0.001176	-5.70	-10.51	-0.63	-2.55	-4.77	-0.28	0.0283	15.3	0.005478	0.002071	8.74	2.19	15.71	5.63	1.43	10.01	0.0084	0.0009
pm25av02	22.4	-0.002026	0.001252	-4.44	-9.55	0.96	-2.01	-4.38	0.43	0.1060	13.5	0.005718	0.002240	8.03	1.81	14.62	5.88	1.34	10.64	0.0109	0.0031
pm25av03	22.2	-0.001927	0.001345	-4.19	-9.63	1.58	-1.91	-4.46	0.71	0.1520	12.8	0.007325	0.002401	9.83	3.41	16.65	7.60	2.65	12.79	0.0024	0.0010
pm25av04	21.4	-0.002066	0.001422	-4.32	-9.86	1.55	-2.04	-4.74	0.72	0.1470	11.9	0.007453	0.002547	9.27	2.97	15.96	7.74	2.49	13.25	0.0036	0.0014
pm25av05	19.6	-0.001715	0.001505	-3.31	-8.74	2.45	-1.70	-4.56	1.24	0.2550	10.9	0.006365	0.002722	7.18	1.13	13.60	6.57	1.04	12.41	0.0197	0.0109
pmcoarsem01	8.9	-0.008287	0.003361	-7.11	-12.39	-1.50	-7.95	-13.82	-1.69	0.0139	10.3	0.004791	0.003296	5.05	-1.70	12.28	4.91	-1.66	11.91	0.1470	0.0065
pmcoarsem02	8.0	-0.009046	0.003817	-6.98	-12.38	-1.24	-8.65	-15.23	-1.55	0.0181	9.3	0.006770	0.003675	6.49	-0.40	13.87	7.00	-0.43	15.00	0.0659	0.0037
pmcoarsem03	7.7	-0.008608	0.004177	-6.41	-12.13	-0.32	-8.25	-15.46	-0.42	0.0397	9.2	0.005631	0.004014	5.31	-2.03	13.22	5.79	-2.21	14.45	0.1610	0.0177
pmcoarsem04	6.9	-0.010859	0.004572	-7.21	-12.78	-1.30	-10.29	-17.98	-1.88	0.0178	8.9	0.006299	0.004346	5.76	-1.95	14.09	6.50	-2.19	15.97	0.1480	0.0091
pmcoarsem05	6.7	-0.012800	0.005036	-8.21	-14.09	-1.94	-12.01	-20.28	-2.89	0.0113	8.8	0.006164	0.004639	5.57	-2.54	14.36	6.36	-2.89	16.48	0.1840	0.0084
pm10av01*	30	-0.002059	0.000913	-5.99	-10.9	-0.8	-2.04	-3.77	-0.27	0.0245	21.6	0.003774	0.001428	8.49	2.13	15.26	3.85	0.98	6.79	0.0084	0.0008
pm10av02*	29.3	-0.001987	0.000989	-5.66	-10.86	-0.14	-1.97	-3.85	-0.05	0.0449	20.9	0.004506	0.001556	9.88	3.09	17.11	4.61	1.47	7.85	0.0039	0.0006
pm10av03*	26.8	-0.002009	0.001062	-5.24	-10.38	0.19	-1.99	-4.01	0.07	0.0588	20.1	0.005418	0.001675	11.51	4.39	19.11	5.57	2.16	9.09	0.0013	0.0003
pm10av04*	24.8	-0.002334	0.001125	-5.62	-10.65	-0.32	-2.31	-4.44	-0.13	0.0385	19.7	0.005635	0.001778	11.74	4.33	19.68	5.8	2.17	9.55	0.0016	0.0003
pm10av05*	24.6	-0.002165	0.001193	-5.19	-10.49	0.43	-2.14	-4.4	0.17	0.0701	18.5	0.005042	0.001874	9.78	2.56	17.5	5.17	1.38	9.11	0.0073	0.0018

Table 55 Asthma Ages 0-14 Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx0	24.6	0.002258	0.001189	5.71	-0.18	11.95	2.28	-0.07	4.70	0.0579	31.7	0.000736	0.001793	2.36	-8.43	14.42	0.74	-2.74	4.34	0.6820	0.4690
no2mx1	24.6	-0.000252	0.001312	-0.62	-6.71	5.87	-0.25	-2.78	2.35	0.8480	31.7	0.001917	0.001800	6.27	-4.98	18.84	1.94	-1.60	5.60	0.2870	0.3180
no2mx2	24.6	0.000126	0.001266	0.31	-5.63	6.62	0.13	-2.33	2.64	0.9210	31.7	0.003929	0.001722	13.26	1.77	26.06	4.01	0.55	7.58	0.0228	0.0716
no2mx3	24.6	-0.002422	0.001328	-5.78	-11.63	0.45	-2.39	-4.90	0.18	0.0686	31.7	0.003273	0.001689	10.93	-0.12	23.20	3.33	-0.04	6.80	0.0530	0.0080
o3m80	26.1	-0.001916	0.002253	-4.88	-15.23	6.74	-1.90	-6.13	2.53	0.3950	32.5	-0.004503	0.002087	-13.62	-24.37	-1.33	-4.40	-8.23	-0.41	0.0312	0.3740
o3m81	26.1	-0.004327	0.002275	-10.68	-20.49	0.35	-4.23	-8.41	0.13	0.0576	32.5	-0.004255	0.002086	-12.91	-23.75	-0.54	-4.17	-8.00	-0.17	0.0417	0.9810
o3m82	26.1	0.000963	0.002349	2.54	-9.07	15.64	0.97	-3.58	5.73	0.6820	32.5	-0.003905	0.002017	-11.92	-22.54	0.16	-3.83	-7.56	0.05	0.0533	0.0984
o3m83	26.1	0.001763	0.002230	4.71	-6.58	17.36	1.78	-2.58	6.33	0.4300	32.5	-0.003474	0.001871	-10.68	-20.71	0.63	-3.41	-6.89	0.19	0.0637	0.0621
so2av0	9.3	0.005931	0.003654	5.67	-1.14	12.95	6.11	-1.22	13.99	0.1050	8.6	0.015750	0.005981	14.51	3.52	26.65	17.06	4.11	31.62	0.0086	0.1500
so2av1	9.3	0.005933	0.003609	5.67	-1.05	12.86	6.11	-1.13	13.89	0.1010	8.6	0.018761	0.005917	17.51	6.35	29.83	20.64	7.43	35.47	0.0016	0.0577
so2av2	9.3	0.002030	0.003667	1.91	-4.68	8.95	2.05	-5.03	9.66	0.5800	8.6	0.015285	0.005972	14.05	3.13	26.13	16.52	3.65	30.98	0.0107	0.0534
so2av3	9.3	-0.002890	0.003824	-2.65	-9.21	4.38	-2.85	-9.86	4.71	0.4500	8.6	0.019090	0.005908	17.84	6.67	30.18	21.03	7.80	35.89	0.0013	0.0015
so4av0	7.1	0.005454	0.005772	3.95	-4.07	12.64	5.61	-5.69	18.25	0.3450	5.5	0.001105	0.010477	0.61	-10.14	12.64	1.11	-17.66	24.16	0.9160	0.7180
so4av1	7.1	0.005203	0.005792	3.76	-4.27	12.47	5.34	-5.96	18.00	0.3690	5.5	-0.002387	0.010429	-1.30	-11.80	10.44	-2.36	-20.41	19.79	0.8190	0.5270
so4av2	7.1	-0.000028	0.005863	-0.02	-7.85	8.48	-0.03	-10.88	12.15	0.9960	5.5	0.009125	0.010158	5.15	-5.76	17.32	9.55	-10.22	33.69	0.3690	0.4390
so4av3	7.1	-0.010195	0.005906	-6.98	-14.32	0.99	-9.69	-19.56	1.39	0.0847	5.5	-0.008273	0.010294	-4.45	-14.48	6.77	-7.94	-24.76	12.64	0.4220	0.8730
com80	1.3	0.037655	0.020624	5.02	-0.36	10.68	0.38	-0.03	0.78	0.0683	0.5	0.044524	0.073772	2.25	-4.88	9.92	0.45	-1.00	1.91	0.5460	0.9280
com81	1.3	0.010362	0.021708	1.36	-4.10	7.12	0.10	-0.32	0.53	0.6330	0.5	0.196065	0.069135	10.30	3.07	18.03	1.98	0.61	3.37	0.0047	0.0092
com82	1.3	0.002571	0.022027	0.33	-5.14	6.13	0.03	-0.41	0.46	0.9070	0.5	0.361489	0.063299	19.81	12.60	27.48	3.68	2.40	4.98	0.0000	0.0000
com83	1.3	-0.029362	0.022971	-3.75	-9.22	2.06	-0.29	-0.74	0.16	0.2020	0.5	0.321055	0.063675	17.41	10.31	24.97	3.26	1.98	4.56	0.0000	0.0000
pm10av0	30.1	0.002152	0.001326	6.69	-1.34	15.37	2.17	-0.45	4.87	0.1050	23.9	0.003882	0.002432	9.72	-2.09	22.96	3.96	-0.88	9.03	0.1110	0.5290
pm10av1	30.1	0.001982	0.001305	6.15	-1.72	14.64	2.00	-0.57	4.64	0.1290	23.9	0.004906	0.002342	12.44	0.76	25.48	5.03	0.32	9.96	0.0365	0.2720
pm10av2	30.1	-0.000199	0.001329	-0.60	-8.09	7.51	-0.20	-2.76	2.43	0.8810	23.9	0.006648	0.002268	17.22	5.40	30.36	6.87	2.23	11.73	0.0035	0.0093
pm10av3	30.1	-0.001663	0.001357	-4.88	-12.20	3.04	-1.65	-4.23	1.00	0.2210	23.9	0.005211	0.002318	13.26	1.61	26.26	5.35	0.67	10.25	0.0249	0.0107
smkav0	24.0	0.002854	0.001805	7.09	-1.62	16.58	2.90	-0.68	6.60	0.1140	11.1	0.008605	0.004704	10.02	-0.68	21.88	8.99	-0.61	19.51	0.0677	0.2400
smkav1	24.0	0.002630	0.001809	6.51	-2.17	15.97	2.66	-0.91	6.37	0.1460	11.1	0.005212	0.004803	5.96	-4.56	17.63	5.35	-4.11	15.75	0.2780	0.6020
smkav2	24.0	0.001647	0.001816	4.03	-4.48	13.31	1.66	-1.89	5.34	0.3650	11.1	0.013697	0.004635	16.42	5.25	28.77	14.68	4.72	25.58	0.0032	0.0128
smkav3	24.0	0.000262	0.001825	0.63	-7.65	9.65	0.26	-3.26	3.91	0.8860	11.1	0.016734	0.004585	20.41	8.98	33.04	18.22	8.06	29.33	0.0003	0.0006
pfrav0	14.7	0.003301	0.002421	4.97	-2.10	12.56	3.36	-1.43	8.38	0.1730	6.6	0.011839	0.006259	8.13	-0.28	17.25	12.57	-0.43	27.26	0.0589	0.1980
pfrav1	14.7	0.004166	0.002408	6.32	-0.81	13.95	4.25	-0.55	9.29	0.0840	6.6	0.011759	0.006284	8.07	-0.37	17.22	12.48	-0.56	27.22	0.0617	0.2510
pfrav2	14.7	0.002519	0.002448	3.77	-3.29	11.36	2.55	-2.25	7.59	0.3040	6.6	0.020691	0.005946	14.63	6.15	23.80	22.99	9.46	38.19	0.0005	0.0043
pfrav3	14.7	-0.000160	0.002480	-0.24	-7.12	7.15	-0.16	-4.90	4.81	0.9480	6.6	0.024228	0.005892	17.34	8.73	26.63	27.42	13.52	43.01	0.0000	0.0001
sfrav0	17.2	0.002358	0.002392	4.14	-3.93	12.88	2.39	-2.30	7.30	0.3240	13.3	0.000362	0.004345	0.48	-10.28	12.53	0.36	-7.83	9.29	0.9340	0.6890
sfrav1	17.2	0.002034	0.002405	3.56	-4.50	12.31	2.06	-2.64	6.98	0.3980	13.3	-0.001180	0.004329	-1.56	-12.06	10.20	-1.17	-9.21	7.58	0.7850	0.5180
sfrav2	17.2	-0.000174	0.002436	-0.30	-8.16	8.23	-0.17	-4.83	4.71	0.9430	13.3	0.003773	0.004214	5.15	-5.79	17.35	3.84	-4.39	12.79	0.3710	0.4210
sfrav3	17.2	-0.004238	0.002449	-7.03	-14.40	0.97	-4.15	-8.64	0.56	0.0840	13.3	-0.003543	0.004272	-4.60	-14.66	6.64	-3.48	-11.23	4.95	0.4070	0.8890
pm25av0	23.3	0.002721	0.002075	6.54	-3.09	17.13	2.76	-1.34	7.02	0.1900	15.7	0.006270	0.003637	10.35	-1.34	23.41	6.47	-0.86	14.34	0.0852	0.4000
pm25av1	23.3	-0.000381	0.002090	-0.88	-9.91	9.04	-0.38	-4.38	3.79	0.8550	15.7	0.007534	0.003531	12.56	0.97	25.48	7.82	0.61	15.55	0.0333	0.0556
pm25av2	23.3	-0.000331	0.002082	-0.77	-9.77	9.13	-0.33	-4.32	3.82	0.8740	15.7	0.011019	0.003425	18.89	6.99	32.10	11.65	4.40	19.40	0.0014	0.0052
pm25av3	23.3	-0.001376	0.002088	-3.16	-11.97	6.53	-1.37	-5.32	2.75	0.5100	15.7	0.009370	0.003507	15.85	4.00	29.05	9.82	2.53	17.64	0.0077	0.0092
pmcoarse	10.0	0.005006	0.005824	5.13	-6.20	17.84	5.13	-6.21	17.85	0.3900	11.0	-0.000163	0.005872	-0.17	-12.04	13.29	-0.16	-11.02	12.01	0.9780	0.5320
pmcoarse1	10.0	0.007380	0.005768	7.65	-3.84	20.54	7.66	-3.85	20.54	0.2010	11.0	0.003531	0.005843	3.96	-8.34	17.91	3.59	-7.62	16.16	0.5460	0.6380
pmcoarse2	10.0	0.003956	0.005925	4.03	-7.37	16.84	4.04	-7.37	16.85	0.5050	11.0	0.006871	0.005657	7.85	-4.53	21.84	7.11	-4.13	19.67	0.2250	0.7230
pmcoarse3	10.0	-0.003722	0.005938	-3.65	-14.23	8.23	-3.65	-14.24	8.24	0.5310	11.0	0.004906	0.005550	5.54	-6.35	18.96	5.03	-5.80	17.10	0.3770	0.2900
pm10av0*	31.7	0.002424	0.001594	7.99	-2.19	19.23	2.45	-0.7	5.71	0.1290	23.9	0.002399	0.002498	5.9	-5.79	19.05	2.43	-2.46	7.57	0.3370	0.9930
pm10av1*	31.7	0.001777	0.001597	5.79	-4.2	16.83	1.79	-1.34	5.03	0.2660	23.9	0.004064	0.002447	10.2	-1.73	23.58	4.15	-0.73	9.26	0.0972	0.4360
pm10av2*	31.7	0.000414	0.001630	1.32	-8.44	12.12	0.41	-2.74	3.67	0.8000	23.9	0.006015	0.002370	15.5	3.33	29.02	6.2	1.38	11.25	0.0114	0.0539
pm10av3*	31.7	-0.001449	0.001653	-4.49	-13.81	5.84	-1.44	-4.58	1.81	0.3810	23.9	0.005378	0.002383	13.7	1.71	27.14	5.53	0.71	10.57	0.0243	0.0197

Table 56 Asthma Ages 0-14 Hospital Admissions: seasonal results for cumulative day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	0.001387	0.001425	3.14	-3.09	9.77	1.40	-1.40	4.27	0.3310	28.4	0.001665	0.001991	4.84	-6.16	17.13	1.68	-2.21	5.73	0.4030	0.9070
no2mx02	20.0	0.001271	0.001634	2.57	-3.79	9.36	1.28	-1.91	4.58	0.4370	27.2	0.003294	0.002121	9.37	-2.32	22.47	3.35	-0.86	7.74	0.1210	0.4390
no2mx03	18.9	-0.000278	0.001856	-0.52	-7.14	6.56	-0.28	-3.84	3.42	0.8810	25.2	0.004389	0.002244	11.70	-0.02	24.79	4.49	-0.01	9.19	0.0509	0.1030
o3m801	24.1	-0.004276	0.002552	-9.79	-20.04	1.76	-4.19	-8.86	0.73	0.0942	30.3	-0.005585	0.002330	-15.57	-26.48	-3.04	-5.43	-9.65	-1.01	0.0168	0.6910
o3m802	22.6	-0.003244	0.002833	-7.07	-18.03	5.35	-3.19	-8.42	2.33	0.2520	27.0	-0.006682	0.002521	-16.51	-26.94	-4.59	-6.46	-10.97	-1.73	0.0082	0.3380
o3m803	20.7	-0.001911	0.003024	-3.88	-14.98	8.67	-1.89	-7.54	4.10	0.5280	27.5	-0.007496	0.002640	-18.63	-29.42	-6.19	-7.22	-11.90	-2.30	0.0046	0.1400
so2av01	9.3	0.008182	0.004194	7.91	-0.04	16.48	8.53	-0.04	17.82	0.0514	7.6	0.023202	0.006725	19.28	7.91	31.85	26.11	10.54	43.88	0.0006	0.0514
so2av02	8.5	0.006048	0.004713	7.08	-1.01	15.83	8.38	-1.18	18.87	0.0881	7.0	0.027629	0.007421	21.34	9.59	34.34	31.82	13.98	52.46	0.0002	0.0218
so2av03	7.8	0.005665	0.005207	4.52	-3.48	13.18	5.83	-4.44	17.20	0.2770	6.6	0.034357	0.007990	25.45	13.13	39.11	41.00	20.56	64.90	0.0000	0.0020
so4av01	6.3	0.006766	0.006127	4.35	-3.25	12.56	7.00	-5.11	20.65	0.2700	5.1	-0.000292	0.011494	-0.15	-10.99	12.01	-0.29	-20.40	24.90	0.9800	0.5900
so4av02	5.8	0.005053	0.006439	2.97	-4.29	10.79	5.18	-7.29	19.33	0.4330	4.7	0.005200	0.012194	2.47	-8.41	14.66	5.34	-17.06	33.78	0.6700	0.9920
so4av03	5.5	-0.000120	0.006718	-0.07	-7.05	7.44	-0.12	-12.44	13.94	0.9860	4.2	-0.001051	0.012926	-0.44	-10.49	10.74	-1.05	-23.19	27.49	0.9350	0.9500
so4av04	5.4	-0.001043	0.006915	-0.56	-7.58	6.99	-1.04	-13.58	13.33	0.8800	3.7	-0.015385	0.013777	-5.53	-14.52	4.39	-14.26	-34.55	12.32	0.2640	0.3570
so4av05	5.5	-0.001455	0.007010	-0.80	-8.02	6.99	-1.44	-14.10	13.07	0.8360	3.5	-0.025309	0.014537	-8.48	-17.16	1.12	-22.36	-41.61	3.23	0.0821	0.1440
com801	1.1	0.032285	0.024410	3.62	-1.70	9.21	0.32	-0.16	0.80	0.1860	0.4	0.165044	0.080192	7.71	0.35	15.60	1.66	0.08	3.27	0.0399	0.1070
com802	1.0	0.031559	0.028151	3.30	-2.40	9.34	0.32	-0.24	0.87	0.2630	0.4	0.327279	0.087717	15.11	6.91	23.94	3.33	1.57	5.12	0.0002	0.0011
com803	1.0	0.014249	0.031851	1.51	-4.93	8.38	0.14	-0.48	0.77	0.6550	0.4	0.525129	0.096393	25.00	15.36	35.46	5.39	3.42	7.40	0.0000	0.0000
pm10av01	28.2	0.002702	0.001482	7.92	-0.57	17.13	2.74	-0.20	5.77	0.0686	21.6	0.005655	0.002672	12.99	0.91	26.52	5.82	0.42	11.51	0.0346	0.3300
pm10av02	27.9	0.002073	0.001627	5.96	-3.06	15.81	2.10	-1.11	5.40	0.2030	20.9	0.008087	0.002858	18.41	5.33	33.13	8.42	2.52	14.67	0.0048	0.0664
pm10av03	25.8	0.000951	0.001767	2.48	-6.27	12.06	0.96	-2.48	4.51	0.5910	20.1	0.009755	0.003090	21.66	7.72	37.41	10.25	3.77	17.13	0.0017	0.0134
pm10av04	24.2	0.000953	0.001877	2.33	-6.38	11.86	0.96	-2.69	4.74	0.6120	19.7	0.008525	0.003321	18.29	4.05	34.47	8.90	2.04	16.22	0.0105	0.0477
pm10av05	23.2	0.001625	0.001970	3.84	-5.06	13.58	1.64	-2.21	5.64	0.4100	18.5	0.005123	0.003533	9.94	-3.28	24.97	5.26	-1.79	12.80	0.1470	0.3890
smkav01	19.7	0.003705	0.002085	7.57	-0.75	16.59	3.77	-0.38	8.10	0.0760	10.0	0.009528	0.005525	10.00	-1.29	22.58	10.00	-1.29	22.58	0.0850	0.3090
smkav02	18.6	0.004045	0.002337	7.81	-0.99	17.40	4.13	-0.53	9.01	0.0838	8.7	0.016275	0.006142	15.21	3.75	27.93	17.67	4.33	32.73	0.0082	0.0657
smkav03	17.3	0.003775	0.002567	6.75	-2.15	16.46	3.85	-1.25	9.21	0.1420	7.8	0.024645	0.006738	21.19	9.33	34.34	27.95	12.12	46.01	0.0003	0.0031
smkav04	16.1	0.003128	0.002767	5.17	-3.63	14.76	3.18	-2.27	8.93	0.2590	7.6	0.033399	0.007369	28.90	15.50	43.85	39.65	20.87	61.35	0.0000	0.0001
smkav05	14.6	0.003520	0.002969	5.27	-3.30	14.61	3.58	-2.27	9.79	0.2360	6.8	0.032290	0.008120	24.55	11.78	38.79	38.11	17.79	61.94	0.0001	0.0007
pfrav01	13.1	0.005367	0.002830	7.28	-0.24	15.37	5.51	-0.18	11.53	0.0583	5.9	0.015545	0.007122	9.61	0.94	19.01	16.82	1.60	34.32	0.0294	0.1780
pfrav02	12.1	0.006282	0.003154	7.90	0.12	16.28	6.48	0.10	13.27	0.0467	5.3	0.024879	0.007694	14.09	5.34	23.58	28.25	10.32	49.09	0.0013	0.0232
pfrav03	11.6	0.005375	0.003473	6.43	-1.65	15.18	5.52	-1.42	12.96	0.1220	4.9	0.035012	0.008314	18.72	9.60	28.58	41.92	20.58	67.04	0.0000	0.0009
pfrav04	11.2	0.004143	0.003739	4.75	-3.50	13.71	4.23	-3.13	12.15	0.2680	4.8	0.047137	0.008967	25.39	15.25	36.43	60.22	34.40	91.00	0.0000	0.0000
pfrav05	10.8	0.004172	0.003979	4.61	-3.84	13.80	4.26	-3.56	12.72	0.2950	4.4	0.048076	0.009836	23.56	13.51	34.50	61.73	33.37	96.12	0.0000	0.0000
sfrav01	15.2	0.002759	0.002543	4.28	-3.33	12.49	2.80	-2.20	8.05	0.2780	12.2	-0.000302	0.004771	-0.37	-11.11	11.67	-0.30	-9.20	9.47	0.9500	0.5730
sfrav02	14.0	0.002101	0.002670	3.00	-4.31	10.85	2.12	-3.08	7.61	0.4320	11.3	0.002015	0.005061	2.30	-8.55	14.44	2.04	-7.60	12.68	0.6910	0.9880
sfrav03	13.2	-0.000033	0.002786	-0.04	-6.99	7.43	-0.03	-5.35	5.58	0.9910	10.0	-0.000605	0.005365	-0.60	-10.52	10.42	-0.60	-10.52	10.42	0.9100	0.9250
sfrav04	13.0	0.001385	0.002908	1.82	-5.46	9.65	1.39	-4.22	7.34	0.6340	8.9	-0.006098	0.005911	-5.28	-14.56	5.01	-5.92	-16.21	5.64	0.3030	0.2610
sfrav05	12.6	0.001639	0.002996	2.09	-5.19	9.93	1.65	-4.14	7.80	0.5840	8.7	-0.011558	0.006344	-9.57	-18.84	0.76	-10.92	-21.33	0.88	0.0688	0.0629
pm25av01	22.7	0.001593	0.002298	3.68	-6.40	14.85	1.61	-2.87	6.29	0.4880	15.3	0.008657	0.003911	14.16	1.53	28.37	9.04	1.00	17.73	0.0272	0.1230
pm25av02	22.4	0.001559	0.002490	3.55	-7.17	15.52	1.57	-3.27	6.65	0.5320	13.5	0.012380	0.004157	18.19	5.88	31.93	13.18	4.32	22.79	0.0030	0.0278
pm25av03	22.2	0.000584	0.002693	1.31	-9.89	13.90	0.59	-4.58	6.04	0.8280	12.8	0.015428	0.004491	21.83	8.85	36.36	16.68	6.85	27.42	0.0006	0.0054
pm25av04	21.4	-0.000548	0.002887	-1.17	-12.44	11.56	-0.55	-6.02	5.24	0.8490	11.9	0.013915	0.004880	18.01	5.31	32.24	14.93	4.45	26.47	0.0045	0.0122
pm25av05	19.6	-0.000492	0.003053	-0.96	-11.92	11.37	-0.49	-6.27	5.65	0.8720	10.9	0.012012	0.005277	13.99	1.84	27.59	12.76	1.68	25.05	0.0231	0.0440
pmcoarsem01	8.9	0.008104	0.006797	7.47	-4.53	21.00	8.44	-5.08	23.89	0.2340	10.3	0.005361	0.006780	5.67	-7.84	21.17	5.51	-7.62	20.50	0.4290	0.7760
pmcoarsem02	8.0	0.008177	0.007747	6.76	-5.45	20.54	8.52	-6.77	26.31	0.2920	9.3	0.011978	0.007524	11.78	-2.54	28.21	12.72	-2.73	30.64	0.1120	0.7280
pmcoarsem03	7.7	0.004180	0.006569	3.27	-9.25	17.52	4.27	-11.85	23.34	0.6260	9.2	0.012837	0.008213	12.53	-2.95	30.49	13.70	-3.21	33.56	0.1190	0.4730
pmcoarsem04	6.9	0.002790	0.009387	1.94	-10.21	15.74	2.83	-14.45	23.60	0.7660	8.9	0.011463	0.008802	10.74	-5.02	29.11	12.15	-5.62	33.26	0.1930	0.5100
pmcoarsem05	6.7	0.006907	0.010282	4.73	-8.49	19.87	7.15	-12.41	31.07	0.5020	8.8	0.008112	0.009323	7.39	-8.55	26.13	8.45	-9.66	30.19	0.3850	0.9330
pm10av01*	30	0.002668	0.00179	8.33	-2.49	20.36	2.7	-0.84	6.37	0.137	21.6	0.004165	0.002771	9.41	-2.7	23.03	4.25	-1.26	10.07	0.1330	0.6520
pm10av02*	29.3	0.002322	0.001979	7.04	-4.46	19.92	2.35	-1.55	6.4	0.241	20.9	0.00661	0.002993	14.82	1.57	29.79	6.83	0.75	13.29	0.0276	0.2390
pm10av03*	26.8	0.001305	0.00215	3.56	-7.5	15.94	1.31	-2.87	5.67	0.544	20.1	0.008517	0.003221	18.67	4.53	34.72	8.89	2.23	15.99	0.0084	0.0677
pm10av04*	24.8	0.000732	0.002292	1.83	-8.9	13.83	0.74	-3.69	5.36	0.749	19.7	0.007283	0.003445	15.43	1.05	31.85	7.55	0.53	15.07	0.0349	0.1210
pm10av05*	24.6	0.000959	0.002436	2.39	-8.96	15.15	0.96	-3.74	5.9	0.694	18.5	0.004202	0.003663	8.08	-5.36	23.44	4.29	-2.93	12.05	0.2520	0.4710

Table 57 Asthma Ages 15-64 Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx0	24.6	-0.000973	0.001634	-2.36	-9.76	5.64	-0.97	-4.09	2.25	0.5520	31.7	-0.000946	0.002287	-2.95	-15.81	11.86	-0.94	-5.28	3.60	0.6790	0.9920
no2mx1	24.6	-0.001353	0.001691	-3.27	-10.85	4.94	-1.34	-4.56	1.98	0.4240	31.7	-0.000385	0.002284	-1.21	-14.28	13.85	-0.38	-4.74	4.18	0.8660	0.7310
no2mx2	24.6	-0.000700	0.001672	-1.71	-9.32	6.54	-0.70	-3.90	2.61	0.6760	31.7	-0.002360	0.002317	-7.21	-19.65	7.16	-2.33	-6.67	2.21	0.3090	0.5570
no2mx3	24.6	-0.001390	0.001688	-3.36	-10.91	4.83	-1.38	-4.59	1.94	0.4100	31.7	-0.000664	0.002245	-2.08	-14.83	12.58	-0.66	-4.94	3.81	0.7670	0.7950
o3m8l0	26.1	-0.001656	0.002673	-4.23	-16.47	9.80	-1.64	-6.66	3.65	0.5360	32.5	0.000361	0.002223	1.18	-12.18	16.57	0.36	-3.92	4.83	0.8710	0.5550
o3m8l1	26.1	-0.000793	0.002678	-2.05	-14.59	12.33	-0.79	-5.86	4.56	0.7670	32.5	-0.000504	0.002286	-1.63	-14.95	13.79	-0.50	-4.86	4.06	0.8250	0.9330
o3m8l2	26.1	-0.002438	0.002677	-6.17	-18.18	7.61	-2.41	-7.40	2.85	0.3630	32.5	0.000031	0.002231	0.10	-13.16	15.39	0.03	-4.25	4.50	0.9890	0.4710
o3m8l3	26.1	-0.002245	0.002665	-5.69	-17.71	8.09	-2.22	-7.20	3.02	0.4000	32.5	-0.001899	0.002233	-5.99	-18.45	8.38	-1.88	-6.08	2.51	0.3950	0.9200
so2avl0	9.3	0.003439	0.004741	3.25	-5.30	12.57	3.50	-5.69	13.58	0.4680	8.6	0.004468	0.008025	3.92	-9.23	18.97	4.57	-10.65	22.38	0.5780	0.9110
so2av1	9.3	0.002251	0.004814	2.12	-6.46	11.48	2.28	-6.93	12.40	0.6400	8.6	-0.002564	0.008341	-2.18	-15.01	12.59	-2.53	-17.23	14.78	0.7590	0.6110
so2av2	9.3	-0.001094	0.004980	-1.01	-9.60	8.39	-1.09	-10.29	9.05	0.8260	8.6	-0.014894	0.008539	-12.02	-23.82	1.60	-13.84	-27.12	1.86	0.0815	0.1570
so2av3	9.3	-0.004152	0.005054	-3.79	-12.26	5.50	-4.07	-13.11	5.92	0.4120	8.6	-0.007253	0.008354	-6.05	-18.39	8.16	-7.00	-21.04	9.55	0.3860	0.7470
so4avl0	7.1	-0.002571	0.007688	-1.81	-11.77	9.28	-2.54	-16.17	13.31	0.7380	5.5	-0.003939	0.013368	-2.14	-15.28	13.03	-3.86	-26.02	24.93	0.7680	0.9300
so4av1	7.1	-0.015754	0.008059	-10.58	-20.07	0.03	-14.58	-27.06	0.04	0.0510	5.5	0.001700	0.013114	0.94	-12.37	16.27	1.71	-21.34	31.53	0.8970	0.2600
so4av2	7.1	-0.007392	0.007809	-5.11	-14.88	5.78	-7.13	-20.31	8.24	0.3440	5.5	-0.008639	0.013310	-4.64	-17.39	10.07	-8.28	-29.34	19.06	0.5160	0.9360
so4av3	7.1	-0.005716	0.007743	-3.98	-13.79	6.95	-5.56	-18.85	9.92	0.4610	5.5	-0.024448	0.013759	-12.58	-24.63	1.40	-21.69	-40.20	2.55	0.0760	0.2370
com8l0	1.3	-0.030324	0.029572	-3.87	-10.84	3.66	-0.30	-0.88	0.28	0.3050	0.5	-0.268491	0.126242	-12.56	-22.74	-1.05	-2.65	-5.03	-0.21	0.0337	0.0655
com8l1	1.3	-0.027897	0.029493	-3.56	-10.54	3.96	-0.28	-0.85	0.30	0.3440	0.5	-0.200661	0.123031	-9.55	-19.82	2.04	-1.99	-4.32	0.41	0.1030	0.1710
com8l2	1.3	-0.016834	0.029921	-2.16	-9.35	5.59	-0.17	-0.75	0.42	0.5740	0.5	-0.230648	0.126670	-10.89	-21.29	0.89	-2.28	-4.68	0.18	0.0690	0.0992
com8l3	1.3	-0.025437	0.030124	-3.25	-10.40	4.47	-0.25	-0.84	0.34	0.3990	0.5	-0.035407	0.117984	-1.75	-12.48	10.29	-0.35	-2.63	1.98	0.7640	0.9340
pm10avl0	30.1	-0.000842	0.001787	-2.50	-12.26	8.34	-0.84	-4.25	2.70	0.6380	23.9	0.001302	0.003025	3.16	-10.47	18.86	1.31	-4.52	7.50	0.6670	0.5410
pm10av1	30.1	-0.001255	0.001788	-3.71	-13.35	7.00	-1.25	-4.65	2.27	0.4830	23.9	-0.000921	0.003054	-2.18	-15.22	12.87	-0.92	-6.67	5.20	0.7630	0.9250
pm10av2	30.1	-0.001758	0.001793	-5.15	-14.67	5.43	-1.74	-5.14	1.77	0.3270	23.9	-0.004703	0.003108	-10.63	-22.74	3.38	-4.59	-10.23	1.40	0.1310	0.4120
pm10av3	30.1	-0.001416	0.001790	-4.17	-13.78	6.50	-1.41	-4.81	2.11	0.4290	23.9	-0.004195	0.003094	-9.54	-21.75	4.57	-4.11	-9.75	1.89	0.1760	0.4360
smkavl0	24.0	-0.000708	0.002414	-1.69	-12.24	10.14	-0.71	-5.29	4.10	0.7690	11.1	-0.007454	0.006978	-7.94	-20.91	7.15	-7.18	-19.05	6.42	0.2860	0.3520
smkavl1	24.0	-0.002509	0.002381	-0.62	-11.15	11.16	-0.26	-4.81	4.51	0.9130	11.1	-0.010404	0.007017	-10.91	-23.52	3.79	-9.88	-21.46	3.41	0.1390	0.1620
smkavl2	24.0	-0.001842	0.002425	-4.32	-14.64	7.24	-1.82	-6.38	2.95	0.4480	11.1	-0.011118	0.007034	-11.61	-24.15	3.01	-10.52	-22.04	2.70	0.1140	0.2040
smkavl3	24.0	-0.002633	0.002455	-6.12	-16.36	5.37	-2.60	-7.17	2.20	0.2840	11.1	0.002390	0.006820	2.69	-11.47	19.11	2.42	-10.40	17.07	0.7260	0.4800
pfravl0	14.7	-0.001041	0.003298	-1.52	-10.45	8.30	-1.04	-7.23	5.57	0.7520	6.6	-0.007439	0.009920	-4.79	-16.26	8.25	-7.17	-23.57	12.75	0.4540	0.5380
pfravl1	14.7	0.001248	0.003198	1.85	-7.11	11.68	1.26	-4.90	7.80	0.6960	6.6	-0.010732	0.010134	-6.84	-18.28	6.21	-10.18	-26.36	9.56	0.2900	0.2570
pfravl2	14.7	-0.001378	0.003338	-2.00	-10.99	7.89	-1.37	-7.61	5.30	0.6800	6.6	-0.011866	0.010169	-7.53	-18.93	5.47	-11.19	-27.24	8.40	0.2440	0.3250
pfravl3	14.7	-0.001652	0.003352	-2.40	-11.38	7.50	-1.64	-7.89	5.04	0.6220	6.6	-0.002295	0.009874	-1.50	-13.31	11.92	-2.27	-19.46	18.60	0.8160	0.9510
sfravl0	17.2	-0.000974	0.003185	-1.66	-11.67	9.49	-0.97	-6.96	5.41	0.7600	13.3	-0.001699	0.005547	-2.23	-15.40	12.98	-1.69	-11.81	9.61	0.7590	0.9100
sfravl1	17.2	-0.006546	0.003345	-10.65	-20.18	0.02	-6.34	-12.28	0.01	0.0507	13.3	0.000721	0.005440	0.96	-12.38	16.35	0.72	-9.46	12.06	0.8950	0.2580
sfravl2	17.2	-0.003214	0.003247	-5.38	-15.19	5.57	-3.16	-9.13	3.20	0.3230	13.3	-0.003584	0.005521	-4.65	-17.43	10.10	-3.52	-13.42	7.51	0.5160	0.9540
sfravl3	17.2	-0.002378	0.003213	-4.01	-13.86	6.97	-2.35	-8.31	4.00	0.4590	13.3	-0.010071	0.005706	-12.54	-24.62	1.49	-9.58	-19.15	1.12	0.0779	0.2420
pm25avl0	23.3	-0.006445	0.002880	-13.94	-24.55	-1.85	-6.24	-11.39	-0.80	0.0255	15.7	0.000882	0.004563	1.39	-11.89	16.68	0.89	-7.75	10.32	0.8470	0.1750
pm25avl1	23.3	-0.005185	0.002797	-11.38	-22.01	0.70	-5.05	-10.12	0.30	0.0642	15.7	0.000511	0.004567	0.81	-12.41	16.02	0.51	-8.09	9.92	0.9110	0.2900
pm25avl2	23.3	-0.001558	0.002695	-3.57	-14.73	9.07	-1.55	-6.61	3.79	0.5630	15.7	-0.006955	0.004699	-10.34	-22.41	3.60	-6.72	-14.93	2.28	0.1390	0.3210
pm25avl3	23.3	-0.001979	0.002719	-4.51	-15.66	8.12	-1.96	-7.05	3.41	0.4670	15.7	-0.005549	0.004668	-8.34	-20.61	5.81	-5.40	-13.67	3.67	0.2350	0.5090
pmcoarse	10.0	-0.015058	0.007592	-13.97	-25.87	-0.17	-13.98	-25.87	-0.18	0.0477	11.0	-0.001845	0.006869	-2.00	-15.49	13.63	-1.83	-14.19	12.32	0.7880	0.2000
pmcoarse1	10.0	-0.006957	0.007469	-6.72	-19.42	7.98	-6.72	-19.42	7.98	0.3520	11.0	-0.008125	0.007040	-8.54	-21.42	6.43	-7.80	-19.69	5.84	0.2490	0.9100
pmcoarse2	10.0	-0.007228	0.007619	-6.97	-19.87	8.00	-6.97	-19.88	8.01	0.3430	11.0	-0.010648	0.007124	-11.05	-23.71	3.71	-10.10	-21.82	3.37	0.1350	0.7460
pmcoarse3	10.0	-0.007877	0.007496	-7.57	-20.20	7.05	-7.58	-20.20	7.05	0.2940	11.0	-0.013421	0.007158	-13.72	-26.06	0.67	-12.56	-24.01	0.61	0.0612	0.5970
pm10avl0*	31.7	-0.003736	0.002177	-11.17	-22.4	1.7	-3.67	-7.69	0.53	0.0866	23.9	0.000680	0.003044	1.64	-11.87	17.22	0.68	-5.15	6.87	0.8200	0.2400
pm10avl1*	31.7	-0.003836	0.002168	-11.45	-22.61	1.32	-3.76	-7.77	0.41	0.0773	23.9	-0.000699	0.003073	-1.66	-14.84	13.57	-0.7	-6.5	5.47	0.8200	0.4100
pm10avl2*	31.7	-0.002045	0.002124	-6.28	-17.87	6.95	-6.02	-17.87	2.14	0.3360	23.9	-0.004637	0.003133	-10.49	-22.71	3.66	-4.53	-10.22	1.51	0.1400	0.5000
pm10avl3*	31.7	-0.001789	0.002109	-5.51	-17.12	7.72	-1.77	-5.75	2.37	0.3970	23.9	-0.004344	0.003116	-9.86	-22.11	4.31	-4.25	-9.92	1.78	0.1600	0.5000

Table 58 Asthma Ages 15-64 Hospital Admissions: seasonal results for cumulative day lags

Pol&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	-0.001511	0.001900	-3.31	-11.02	5.06	-1.50	-5.10	2.24	0.4270	28.4	-0.000810	0.002509	-2.27	-15.01	12.37	-0.81	-5.57	4.19	0.7470	0.8220
no2mx02	20.0	-0.001677	0.002144	-3.30	-11.09	5.18	-1.66	-5.71	2.56	0.4350	27.2	-0.001728	0.002711	-4.59	-17.43	10.24	-1.71	-6.80	3.65	0.5240	0.9880
no2mx03	18.9	-0.002260	0.002383	-4.18	-12.28	4.66	-2.23	-6.70	2.44	0.3430	25.2	-0.001767	0.002877	-4.35	-17.02	10.25	-1.75	-7.14	3.95	0.5390	0.8940
o3m801	24.1	-0.001575	0.002961	-3.72	-16.29	10.73	-1.56	-7.11	4.32	0.5950	30.3	-0.000049	0.002469	-0.15	-13.77	15.62	-0.05	-4.77	4.91	0.9840	0.6860
o3m802	22.6	-0.002495	0.003186	-5.48	-17.92	8.84	-2.46	-8.37	3.82	0.4340	27.0	-0.000023	0.002634	-0.06	-13.07	14.89	-0.02	-5.05	5.27	0.9930	0.5420
o3m803	20.7	-0.003161	0.003361	-6.33	-18.28	7.35	-3.11	-9.29	3.49	0.3470	27.5	-0.000863	0.002791	-2.34	-15.98	13.51	-0.86	-6.14	4.71	0.7570	0.5920
so2av01	9.3	0.003828	0.005490	3.62	-6.24	14.53	3.90	-6.70	15.71	0.4860	7.6	0.001330	0.009164	1.02	-11.87	15.79	1.34	-15.32	21.28	0.8850	0.8120
so2av02	8.5	0.002678	0.006195	2.30	-7.73	13.43	2.71	-9.03	15.98	0.6660	7.0	-0.006273	0.010216	-4.30	-16.81	10.10	-6.08	-23.12	14.74	0.5390	0.4460
so2av03	7.8	0.000306	0.006838	0.24	-9.71	11.29	0.31	-12.27	14.69	0.9640	6.6	-0.008780	0.011017	-5.63	-18.16	8.82	-8.41	-26.19	13.67	0.4260	0.4760
so4av01	6.3	-0.009793	0.008340	-5.98	-15.18	4.22	-9.33	-23.00	6.77	0.2410	5.1	-0.001396	0.014406	-0.71	-14.03	14.67	-1.39	-25.65	30.79	0.9230	0.6160
so4av02	5.8	-0.010598	0.008709	-5.96	-14.83	3.83	-10.06	-24.17	6.69	0.2240	4.7	-0.004685	0.015363	-2.18	-15.09	12.69	-4.58	-29.39	28.95	0.7900	0.7390
so4av03	5.5	-0.010445	0.008991	-5.58	-14.30	4.03	-9.92	-24.47	7.44	0.2460	4.2	-0.017431	0.016509	-7.06	-18.87	6.47	-16.00	-39.22	16.10	0.2910	0.7120
so4av04	5.4	-0.009675	0.009259	-5.09	-13.95	4.68	-9.22	-24.29	8.84	0.2960	3.7	-0.015806	0.017340	-5.68	-16.83	6.96	-14.62	-39.22	19.94	0.3620	0.7560
so4av05	5.5	-0.009896	0.009426	-5.30	-14.45	4.83	-9.42	-24.70	8.96	0.2940	3.5	-0.016010	0.018244	-5.45	-16.57	7.16	-14.79	-40.41	21.83	0.3800	0.7670
com801	1.1	-0.038787	0.033838	-4.18	-10.92	3.08	-0.39	-1.05	0.28	0.2520	0.4	-0.295739	0.139847	-12.46	-22.62	-0.97	-2.91	-5.54	-0.22	0.0348	0.0731
com802	1.0	-0.043386	0.038215	-4.37	-11.47	3.30	-0.43	-1.18	0.32	0.2570	0.4	-0.366172	0.154759	-14.57	-25.02	-2.67	-3.60	-6.48	-0.63	0.0182	0.0421
com803	1.0	-0.054175	0.042400	-5.53	-13.42	3.08	-0.54	-1.36	0.29	0.2020	0.4	-0.348424	0.167006	-13.76	-24.96	-0.89	-3.42	-6.53	-0.21	0.0373	0.0861
pm10av01	28.2	-0.001347	0.002001	-3.73	-13.81	7.53	-1.34	-5.13	2.61	0.5010	21.6	0.000275	0.003370	0.60	-12.78	16.02	0.28	-6.13	7.12	0.9350	0.6790
pm10av02	27.9	-0.001995	0.002188	-5.42	-16.08	6.60	-1.98	-6.09	2.32	0.3620	20.9	-0.002114	0.003673	-4.32	-17.69	11.21	-2.09	-8.89	5.22	0.5650	0.9780
pm10av03	25.8	-0.002385	0.002345	-5.97	-16.48	5.87	-2.36	-6.74	2.24	0.3100	20.1	-0.003649	0.003936	-7.07	-20.42	8.52	-3.58	-10.74	4.15	0.3540	0.7830
pm10av04	24.2	-0.002878	0.002490	-6.73	-17.12	4.97	-2.84	-7.47	2.02	0.2480	19.7	-0.003944	0.004172	-7.48	-21.24	8.70	-3.87	-11.42	4.32	0.3450	0.8270
pm10av05	23.2	-0.001783	0.002604	-4.05	-14.77	8.01	-1.77	-6.66	3.38	0.4940	18.5	-0.003340	0.004397	-5.99	-19.85	10.26	-3.28	-11.27	5.42	0.4480	0.7610
smkav01	19.7	-0.000609	0.002751	-1.19	-11.15	9.88	-0.61	-5.82	4.90	0.8250	10.0	-0.012376	0.008185	-11.64	-24.74	3.73	-11.64	-24.74	3.73	0.1310	0.1660
smkav02	18.6	-0.001435	0.003061	-2.63	-12.92	8.86	-1.42	-7.17	4.67	0.6390	8.7	-0.017067	0.009213	-13.80	-26.33	0.86	-15.69	-29.62	0.99	0.0643	0.1030
smkav03	17.3	-0.002564	0.003370	-4.34	-14.67	7.24	-2.53	-8.76	4.12	0.4470	7.8	-0.014309	0.010116	-10.56	-23.38	4.40	-13.33	-28.92	5.67	0.1580	0.2670
smkav04	16.1	-0.002955	0.003629	-4.65	-14.96	6.92	-2.91	-9.58	4.25	0.4160	7.6	-0.010099	0.010943	-7.39	-21.32	9.01	-9.61	-27.06	12.02	0.3560	0.5340
smkav05	14.6	-0.001287	0.003848	-1.86	-12.09	9.56	-1.28	-8.45	6.46	0.7390	6.8	-0.006004	0.011768	-4.00	-17.94	12.30	-5.83	-25.23	18.60	0.6100	0.7030
pfrav01	13.1	0.000318	0.003770	0.42	-8.85	10.62	0.32	-6.83	8.01	0.9330	5.9	-0.011437	0.011414	-6.53	-18.08	6.66	-10.81	-28.69	11.55	0.3170	0.3260
pfrav02	12.1	-0.000550	0.004198	-0.66	-10.08	9.74	-0.55	-8.40	7.98	0.8960	5.3	-0.015613	0.012657	-7.94	-19.28	4.99	-14.46	-33.25	9.63	0.2180	0.2570
pfrav03	11.6	-0.001669	0.004612	-1.92	-11.68	8.93	-1.66	-10.16	7.65	0.7170	4.9	-0.014641	0.013695	-6.92	-18.39	6.16	-13.62	-33.95	12.98	0.2850	0.3690
pfrav04	11.2	-0.002871	0.004956	-3.16	-13.15	7.96	-2.83	-11.82	7.08	0.5630	4.8	-0.012172	0.014621	-5.68	-17.80	8.23	-11.46	-33.52	17.92	0.4050	0.5480
pfrav05	10.8	-0.001302	0.005224	-1.40	-11.72	10.13	-1.29	-10.90	9.35	0.8030	4.4	-0.001803	0.015289	-0.79	-13.05	13.19	-1.79	-27.22	32.53	0.9060	0.9750
sfrav01	15.2	-0.004034	0.003459	-5.95	-15.16	4.26	-3.95	-10.25	2.78	0.2440	12.2	-0.000606	0.005978	-0.74	-13.96	14.52	-0.60	-11.59	11.75	0.9190	0.6220
sfrav02	14.0	-0.004368	0.003611	-5.95	-14.85	3.88	-4.27	-10.81	2.75	0.2270	11.3	-0.001962	0.006375	-2.19	-15.07	12.64	-1.94	-13.46	11.11	0.7580	0.7440
sfrav03	13.2	-0.004293	0.003728	-5.51	-14.20	4.06	-4.20	-10.95	3.06	0.2500	10.0	-0.007213	0.006849	-6.96	-18.65	6.41	-6.96	-18.65	6.41	0.2930	0.7100
sfrav04	13.0	-0.003610	0.003908	-4.58	-13.63	5.40	-3.55	-10.66	4.13	0.3560	8.9	-0.007272	0.007503	-6.27	-17.77	6.84	-7.01	-19.73	7.72	0.3330	0.6670
sfrav05	12.6	-0.003756	0.004048	-4.62	-13.70	5.41	-3.69	-11.03	4.27	0.3540	8.7	-0.009889	0.008076	-8.24	-20.05	5.30	-9.42	-22.68	6.12	0.2210	0.4990
pm25av01	22.7	-0.006913	0.003088	-14.52	-25.50	-1.94	-6.68	-12.16	-0.86	0.0255	15.3	0.000525	0.005009	0.81	-13.25	17.15	0.53	-8.87	10.90	0.9170	0.2070
pm25av02	22.4	-0.006101	0.003274	-12.77	-24.45	0.71	-5.92	-11.77	0.32	0.0628	13.5	-0.002528	0.005439	-3.36	-16.31	11.60	-2.50	-12.36	8.47	0.6420	0.5750
pm25av03	22.2	-0.006451	0.003506	-13.34	-25.60	0.94	-6.25	-12.47	0.42	0.0662	12.8	-0.004667	0.005840	-5.80	-18.64	9.07	-4.56	-14.88	7.01	0.4250	0.7940
pm25av04	21.4	-0.006904	0.003732	-13.73	-26.23	0.88	-6.67	-13.25	0.41	0.0648	11.9	-0.003767	0.006170	-4.38	-17.20	10.42	-3.70	-14.67	8.68	0.5420	0.6640
pm25av05	19.6	-0.005048	0.003903	-9.42	-22.03	5.23	-4.92	-11.92	2.64	0.1960	10.9	-0.003141	0.006579	-3.37	-16.04	11.22	-3.09	-14.82	10.24	0.6330	0.8030
pmcoarsem01	8.9	-0.015555	0.008885	-12.92	-25.42	1.66	-14.41	-28.09	1.88	0.0804	10.3	-0.007535	0.007893	-7.46	-21.09	8.51	-7.26	-20.55	8.26	0.3400	0.5070
pmcoarsem02	8.0	-0.019289	0.010063	-14.29	-26.80	0.34	-17.54	-32.30	0.43	0.0557	9.3	-0.012060	0.008752	-10.60	-23.79	4.85	-11.36	-25.33	5.23	0.1690	0.5960
pmcoarsem03	7.7	-0.021823	0.010958	-15.46	-28.35	-0.26	-19.61	-35.14	-0.34	0.0468	9.2	-0.018425	0.009504	-15.59	-28.88	0.18	-16.83	-30.96	0.20	0.0530	0.8190
pmcoarsem04	6.9	-0.023135	0.011939	-14.75	-27.46	0.18	-20.65	-37.21	0.27	0.0531	8.9	-0.018980	0.010151	-15.54	-29.24	0.81	-17.29	-32.21	0.92	0.0620	0.7970
pmcoarsem05	6.7	-0.018639	0.012925	-11.73	-25.51	4.58	-17.01	-35.58	6.92	0.1500	8.8	-0.018293	0.010755	-14.86	-29.28	2.48	-16.72	-32.55	2.83	0.0894	0.9840
pm10av01*	30	-0.004738	0.002411	-13.25	-24.71	-0.04	-4.63	-9.03	-0.01	0.0498	21.6	0.000034	0.003386	0.07	-13.29	15.5	0.03	-6.39	6.9	0.9900	0.2600
pm10av02*	29.3	-0.004829	0.002609	-13.19	-25.27	0.84	-4.71	-9.46	0.29	0.0647	20.9	-0.0022	0.003697	-4.49	-17.91	11.12	-2.18	-9.01	5.17	0.5500	0.5700
pm10av03*	26.8	-0.005	0.002793	-12.54	-24.47	1.28	-4.88	-9.94	0.47	0.0738	20.1	-0.00376	0.003959	-7.28	-20.67	8.37	-3.69	-10.88	4.08	0.3400	0.8000
pm10av04*	24.8	-0.005865	0.002979	-13.54	-25.19	-0.07	-5.7	-11.04	-0.03	0.0494	19.7	-0.004219	0.004197	-7.98	-21.74	8.21	-4.13	-11.7	4.09	0.3200	0.7500
pm10av05*	24.6	-0.004582	0.003129	-10.66	-23.17	3.89	-4.48	-10.16	1.56	0.144	18.5	-0.003756	0.004434	-6.71	-20.57	9.56	-3.69	-11.7	5.06	0.4000	0.8800

Table 59 COPD Ages 65+ Hospital Admissions: seasonal results for single day lags

Poll&Lag	Cent1090.w	Est.w	Se(Est.).w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	value.w	Cent1090.s	Est.s	Se(Est.).s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.w
no2mxl0	24.6	0.000442	0.000979	1.09	-3.57	5.98	0.44	-1.47	2.39	0.6520	31.7	0.002712	0.001429	8.98	-0.28	19.09	2.75	-0.09	5.67	0.0581	0.1860
no2mxl1	24.6	0.000251	0.000994	0.62	-4.09	5.56	0.25	-1.68	2.22	0.8010	31.7	0.000927	0.001493	2.98	-6.14	12.99	0.93	-1.98	3.93	0.5350	0.7050
no2mxl2	24.6	-0.001598	0.001078	-3.86	-8.73	1.28	-1.59	-3.64	0.52	0.1390	31.7	0.001142	0.001509	3.68	-5.60	13.88	1.15	-1.80	4.18	0.4500	0.1390
no2mxl3	24.6	-0.001088	0.001033	-2.64	-7.37	2.33	-1.08	-3.06	0.94	0.2920	31.7	0.001567	0.001458	5.09	-4.01	15.05	1.58	-1.28	4.52	0.2830	0.1370
o3m8l0	26.1	-0.002657	0.001743	-6.70	-14.66	2.00	-2.62	-5.89	0.76	0.1280	32.5	-0.000708	0.001530	-2.27	-11.35	7.73	-0.71	-3.64	2.32	0.6440	0.3930
o3m8l1	26.1	0.001055	0.001828	2.79	-6.38	12.87	1.06	-2.50	4.75	0.5640	32.5	0.002136	0.001718	7.19	-3.92	19.59	2.16	-1.22	5.66	0.2140	0.6530
o3m8l2	26.1	-0.001992	0.001905	-5.07	-13.88	4.65	-1.97	-5.56	1.76	0.2960	32.5	0.002330	0.001644	7.87	-2.86	19.78	2.36	-0.89	5.71	0.1570	0.0722
o3m8l3	26.1	-0.003294	0.001833	-8.24	-16.45	0.78	-3.24	-6.66	0.30	0.0727	32.5	0.001745	0.001508	5.83	-3.86	16.50	1.76	-1.20	4.81	0.2470	0.0302
so2avl0	9.3	-0.002068	0.003009	-1.91	-7.14	3.62	-2.05	-7.66	3.90	0.4920	8.6	-0.004549	0.005188	-3.84	-11.89	4.95	-4.45	-13.69	5.78	0.3810	0.6760
so2avl1	9.3	-0.005685	0.003138	-5.15	-10.42	0.43	-5.53	-11.16	0.47	0.0704	8.6	-0.003561	0.005241	-3.02	-11.22	5.94	-3.50	-12.92	6.94	0.4970	0.7240
so2avl2	9.3	-0.004079	0.003080	-3.72	-8.98	1.84	-4.00	-9.62	1.98	0.1860	8.6	-0.003937	0.005249	-3.33	-11.52	5.61	-3.86	-13.26	6.56	0.4530	0.9810
so2avl3	9.3	-0.000517	0.002962	-0.48	-5.71	5.04	-0.52	-6.13	5.43	0.8610	8.6	0.004906	0.005132	4.31	-4.34	13.74	5.03	-5.02	16.14	0.3390	0.3550
so4avl0	7.1	-0.006293	0.004988	-4.37	-10.78	2.50	-6.10	-14.84	3.54	0.2070	5.5	0.012301	0.008533	7.00	-2.40	17.31	13.09	-4.33	33.68	0.1500	0.0628
so4avl1	7.1	-0.005454	0.005043	-3.80	-10.32	3.19	-5.31	-14.22	4.53	0.2800	5.5	0.017941	0.008628	10.37	0.57	21.13	19.65	1.04	41.70	0.0379	0.0212
so4avl2	7.1	-0.006899	0.005102	-4.78	-11.31	2.23	-6.67	-15.55	3.15	0.1770	5.5	0.016009	0.008369	9.20	-0.22	19.52	17.36	-0.39	38.28	0.0561	0.0212
so4avl3	7.1	-0.011492	0.005076	-7.84	-14.12	-1.09	-10.86	-19.30	-1.53	0.0238	5.5	0.022622	0.008099	13.25	3.78	23.58	25.38	6.98	46.96	0.0054	0.0004
com8l0	1.3	0.020816	0.017031	2.74	-1.62	7.30	0.21	-0.13	0.54	0.2220	0.5	-0.032422	0.078823	-1.61	-8.92	6.29	-0.32	-1.85	1.23	0.6810	0.5090
com8l1	1.3	0.000284	0.017384	0.04	-4.30	4.57	0.00	-0.34	0.34	0.9870	0.5	-0.014934	0.077316	-0.74	-7.99	7.07	-0.15	-1.65	1.38	0.8470	0.8470
com8l2	1.3	-0.009855	0.018540	-1.27	-5.83	3.50	-0.10	-0.46	0.27	0.5950	0.5	0.036920	0.076997	1.86	-5.54	9.85	0.37	-1.13	1.90	0.6320	0.5540
com8l3	1.3	-0.019617	0.018775	-2.52	-7.07	2.26	-0.20	-0.56	0.17	0.2960	0.5	0.086016	0.075471	4.39	-3.05	12.41	0.86	-0.62	2.37	0.2550	0.1740
pm10avl0	30.1	-0.001585	0.001161	-4.66	-10.97	2.10	-1.57	-3.79	0.69	0.1720	23.9	0.001919	0.001989	4.69	-4.62	14.92	1.94	-1.96	5.99	0.3350	0.1300
pm10avl1	30.1	-0.001203	0.001147	-3.56	-9.87	3.20	-1.20	-3.39	1.05	0.2950	23.9	0.001759	0.002016	4.29	-5.10	14.62	1.78	-2.17	5.88	0.3830	0.2050
pm10avl2	30.1	-0.001031	0.001148	-3.06	-9.40	3.73	-1.03	-3.23	1.23	0.3690	23.9	0.001709	0.001965	4.17	-4.99	14.21	1.72	-2.12	5.72	0.3850	0.2330
pm10avl3	30.1	-0.000682	0.001134	-2.03	-8.37	4.75	-0.68	-2.86	1.55	0.5480	23.9	0.003628	0.001908	9.06	-0.27	19.26	3.69	-0.11	7.65	0.0576	0.0538
smkavl0	24.0	0.000919	0.001506	2.23	-4.76	9.73	0.92	-2.01	3.95	0.5420	11.1	0.010345	0.004353	12.17	2.03	23.31	10.90	1.83	20.78	0.0177	0.0384
smkavl1	24.0	-0.000251	0.001509	-0.60	-7.41	6.71	-0.25	-3.16	2.74	0.8680	11.1	0.000660	0.004415	0.74	-8.49	10.89	0.66	-7.68	9.76	0.8810	0.8420
smkavl2	24.0	-0.001859	0.001538	-4.36	-11.04	2.81	-1.84	-4.76	1.16	0.2270	11.1	0.006091	0.004404	6.99	-2.78	17.75	6.28	-2.51	15.86	0.1670	0.0842
smkavl3	24.0	-0.001290	0.001537	-3.05	-9.81	4.22	-1.28	-4.21	1.74	0.4020	11.1	0.003362	0.004420	3.80	-5.71	14.28	3.42	-5.16	12.78	0.4470	0.3140
pfravl0	14.7	0.001034	0.002003	1.53	-4.16	7.56	1.04	-2.85	5.09	0.6060	6.6	0.012786	0.005986	8.80	0.70	17.57	13.64	1.06	27.79	0.0330	0.0623
pfravl1	14.7	-0.000250	0.002009	-0.37	-5.97	5.57	-0.25	-4.10	3.76	0.9010	6.6	0.002769	0.006203	1.84	-6.01	10.35	2.81	-8.96	16.10	0.6550	0.6420
pfravl2	14.7	-0.004371	0.002129	-6.22	-11.80	-0.29	-4.28	-8.19	-0.20	0.0405	6.6	0.008366	0.006110	5.68	-2.36	14.37	8.73	-3.55	22.56	0.1710	0.0490
pfravl3	14.7	-0.002192	0.002095	-3.17	-8.84	2.86	-2.17	-6.10	1.93	0.2960	6.6	0.014018	0.006056	9.69	1.43	18.63	15.05	2.17	29.55	0.0209	0.0115
sfravl0	17.2	-0.002654	0.002070	-4.46	-10.90	2.44	-2.62	-6.49	1.41	0.2000	13.3	0.005159	0.003538	7.10	-2.33	17.45	5.29	-1.76	12.85	0.1450	0.0595
sfravl1	17.2	-0.002229	0.002092	-3.76	-10.32	3.27	-2.20	-6.13	1.89	0.2870	13.3	0.007410	0.003579	10.36	0.53	21.15	7.69	0.40	15.52	0.0388	0.0221
sfravl2	17.2	-0.002842	0.002118	-4.77	-11.33	2.28	-2.80	-6.75	1.32	0.1800	13.3	0.006660	0.003471	9.26	-0.19	19.61	6.89	-0.14	14.41	0.0554	0.0212
sfravl3	17.2	-0.004714	0.002105	-7.79	-14.11	-1.01	-4.60	-8.46	-0.59	0.0254	13.3	0.009409	0.003359	13.33	3.83	23.70	9.87	2.87	17.34	0.0052	0.0005
pm25avl0	23.3	-0.003735	0.001738	-8.34	-15.33	-0.76	-3.67	-6.89	-0.33	0.0319	15.7	0.002835	0.002889	4.55	-4.34	14.27	2.88	-2.79	8.87	0.3270	0.0529
pm25avl1	23.3	-0.002641	0.001711	-5.97	-13.03	1.67	-2.61	-5.82	0.71	0.1230	15.7	0.001951	0.002902	3.11	-5.70	12.74	1.97	-3.67	7.94	0.5020	0.1770
pm25avl2	23.3	-0.000218	0.001633	-0.51	-7.66	7.20	-0.22	-3.36	3.03	0.8940	15.7	0.002016	0.002858	3.22	-5.47	12.70	2.04	-3.52	7.91	0.4810	0.5020
pm25avl3	23.3	-0.000146	0.001610	-0.34	-7.40	7.26	-0.15	-3.25	3.06	0.9280	15.7	0.006910	0.002763	11.46	2.37	21.35	7.15	1.51	13.12	0.0126	0.0290
pmcoarse	10.0	-0.003395	0.004548	-3.33	-11.58	5.67	-3.34	-11.58	5.67	0.4560	11.0	0.002629	0.004392	2.93	-6.36	13.15	2.66	-5.80	11.89	0.5500	0.3460
pmcoarse1	10.0	-0.004423	0.004568	-4.32	-12.52	4.63	-4.33	-12.52	4.64	0.3330	11.0	0.000978	0.004522	1.08	-8.30	11.43	0.98	-7.58	10.34	0.8290	0.4040
pmcoarse2	10.0	0.001744	0.004565	1.75	-6.95	11.28	1.76	-6.95	11.28	0.7030	11.0	0.000224	0.004539	0.24	-9.09	10.55	0.22	-8.31	9.55	0.9610	0.8160
pmcoarse3	10.0	0.000231	0.004586	0.23	-8.38	9.65	0.23	-8.38	9.66	0.9600	11.0	0.004559	0.004356	5.14	-4.28	15.49	4.66	-3.90	13.99	0.2960	0.5000
pm10avl0*	31.7	-0.002340	0.001311	-7.15	-14.41	0.73	-2.31	-4.79	0.23	0.0747	23.9	0.001762	0.001959	4.30	-4.85	14.33	1.78	-2.06	5.76	0.3690	0.0849
pm10avl1*	31.7	-0.001599	0.001308	-4.94	-12.36	3.11	-1.59	-4.08	0.97	0.2220	23.9	0.001486	0.001992	3.62	-5.62	13.75	1.5	-2.39	5.54	0.4560	0.2020
pm10avl2*	31.7	-0.000334	0.001277	-1.05	-8.6	7.12	-0.33	-2.8	2.19	0.7940	23.9	0.001559	0.001964	3.80	-5.33	13.8	1.57	-2.26	5.56	0.4280	0.4260
pm10avl3*	31.7	-0.000392	0.001266	-1.23	-8.71	6.85	-0.39	-2.83	2.11	0.7570	23.9	0.004025	0.001893	10.10	0.75	20.31	4.11	0.31	8.04	0.0339	0.0562

Table 60 COPD Ages 65+ Hospital Admissions: seasonal results for cumulative day lags

Pol&Lag	Cent1090.w	Est.w	Se(Est.)w	%RR1090.w	LCL1090.w	UCL1090.w	%RR10.w	LCL10.w	UCL10.w	Pvalue.w	Cent1090.s	Est.s	Se(Est.)s	%RR1090.s	LCL1090.s	UCL1090.s	%RR10.s	LCL10.s	UCL10.s	Pvalue.s	Pvalue.sw
no2mx01	22.3	0.000444	0.001114	1.00	-3.81	6.04	0.45	-1.72	2.66	0.6900	28.4	0.002294	0.001604	6.73	-2.38	16.70	2.32	-0.85	5.59	0.1530	0.3400
no2mx02	20.0	-0.000416	0.001288	-0.83	-5.71	4.31	-0.42	-2.90	2.13	0.7470	27.2	0.002385	0.001745	6.70	-2.78	17.11	2.41	-1.03	5.98	0.1720	0.1950
no2mx03	18.9	-0.000941	0.001438	-1.76	-6.86	3.61	-0.94	-3.69	1.90	0.5130	25.2	0.002778	0.001871	7.25	-2.22	17.63	2.82	-0.89	6.66	0.1380	0.1150
o3m801	24.1	-0.001170	0.001978	-2.78	-11.45	6.74	-1.16	-4.92	2.74	0.5550	30.3	0.000618	0.001803	1.89	-8.46	13.41	0.62	-2.87	4.24	0.7320	0.4910
o3m802	22.6	-0.001945	0.002205	-4.30	-13.21	5.52	-1.93	-6.07	2.41	0.3780	27.0	0.001675	0.001989	4.63	-5.83	16.24	1.69	-2.20	5.73	0.4000	0.2040
o3m803	20.7	-0.003309	0.002372	-6.62	-15.19	2.82	-3.25	-7.65	1.35	0.1640	27.5	0.002273	0.002104	6.45	-4.97	19.24	2.30	-1.83	6.61	0.2800	0.0670
so2av01	9.3	-0.005134	0.003506	-4.66	-10.56	1.63	-5.00	-11.31	1.75	0.1430	7.6	-0.005220	0.005862	-3.89	-11.93	4.88	-5.09	-15.39	6.47	0.3740	0.9900
so2av02	8.5	-0.006579	0.003901	-5.44	-11.39	0.91	-6.37	-13.26	1.07	0.0921	7.0	-0.006331	0.006468	-4.33	-12.46	4.54	-6.13	-17.31	6.55	0.3280	0.9730
so2av03	7.8	-0.006156	0.004220	-4.69	-10.64	1.66	-5.97	-13.43	2.14	0.1450	6.6	-0.003223	0.006963	-2.10	-10.54	7.12	-3.17	-15.52	10.99	0.6440	0.7150
so4av01	6.3	-0.007290	0.005326	-4.49	-10.57	2.00	-7.03	-16.25	3.20	0.1710	5.1	0.018563	0.009399	9.93	0.07	20.76	20.40	0.14	44.75	0.0486	0.0184
so4av02	5.8	-0.008353	0.006609	-4.73	-10.61	1.54	-8.01	-17.59	2.68	0.1370	4.7	0.022009	0.009852	10.90	1.18	21.55	24.62	2.53	51.46	0.0273	0.0090
so4av03	5.5	-0.010938	0.005851	-5.84	-11.59	0.29	-10.36	-20.07	0.53	0.0619	4.2	0.027817	0.010350	12.39	3.21	22.39	32.07	7.82	61.77	0.0073	0.0014
so4av04	5.4	-0.012244	0.006045	-6.40	-12.20	-0.21	-11.52	-21.41	-0.40	0.0431	3.7	0.027900	0.010789	10.87	2.53	19.90	32.18	6.99	63.31	0.0099	0.0015
so4av05	5.5	-0.011770	0.006145	-6.27	-12.28	0.15	-11.10	-21.19	0.28	0.0558	3.5	0.027066	0.011280	9.94	1.75	18.78	31.08	5.08	63.52	0.0167	0.0030
com801	1.1	0.013801	0.019573	1.53	-2.67	5.91	0.14	-0.25	0.52	0.4810	0.4	-0.031111	0.087574	-1.39	-8.72	6.53	-0.31	-2.01	1.42	0.7220	0.6160
com802	1.0	0.006963	0.022534	0.72	-3.76	5.41	0.07	-0.37	0.51	0.7570	0.4	-0.017128	0.095640	-0.73	-8.42	7.60	-0.17	-2.03	1.72	0.8580	0.8060
com803	1.0	-0.003040	0.025475	-0.32	-5.41	5.05	-0.03	-0.53	0.47	0.9050	0.4	0.021334	0.104387	0.91	-7.49	10.08	0.21	-1.82	2.29	0.8380	0.8200
pm10av01	28.2	-0.001799	0.001293	-4.95	-11.50	2.10	-1.78	-4.24	0.74	0.1650	21.6	0.002371	0.002244	5.25	-4.28	15.74	2.40	-2.01	7.00	0.2910	0.1100
pm10av02	27.9	-0.002008	0.001408	-5.45	-12.46	2.12	-1.99	-4.66	0.75	0.1540	20.9	0.002816	0.002428	6.06	-3.98	17.15	2.86	-1.92	7.87	0.2460	0.0895
pm10av03	25.8	-0.002127	0.001507	-5.34	-12.29	2.16	-2.10	-4.95	0.83	0.1590	20.1	0.004366	0.002593	9.17	-1.43	20.91	4.46	-0.71	9.91	0.0926	0.0329
pm10av04	24.2	-0.002215	0.001599	-5.22	-12.14	2.25	-2.19	-5.21	0.92	0.1660	19.7	0.005580	0.002752	11.62	0.37	24.14	5.74	0.19	11.60	0.0429	0.0159
pm10av05	23.2	-0.002473	0.001689	-5.58	-12.55	1.96	-2.44	-5.62	0.84	0.1430	18.5	0.006186	0.002894	12.13	0.96	24.53	6.38	0.52	12.59	0.0329	0.0110
smkav01	19.7	0.000448	0.001724	0.89	-5.61	7.83	0.45	-2.89	3.90	0.7950	10.0	0.007863	0.005092	8.18	-2.09	19.53	8.18	-2.09	19.53	0.1230	0.1630
smkav02	18.6	-0.000652	0.001920	-1.20	-7.88	5.96	-0.65	-4.32	3.16	0.7340	7.7	0.010546	0.005687	9.61	-0.52	20.77	11.12	-0.60	24.22	0.0640	0.0603
smkav03	17.3	-0.001257	0.002110	-2.15	-8.91	5.11	-1.25	-5.25	2.92	0.5510	8.8	0.012017	0.006281	9.83	-0.23	20.90	12.77	-0.29	27.54	0.0561	0.0446
smkav04	16.1	-0.001505	0.002281	-2.39	-9.17	4.89	-1.49	-5.80	3.01	0.5100	7.6	0.010317	0.006927	8.16	-2.45	19.91	10.87	-3.21	26.99	0.1370	0.1050
smkav05	14.6	-0.001815	0.002444	-2.61	-9.19	4.44	-1.80	-6.39	3.02	0.4580	6.8	0.007164	0.007555	4.99	-5.06	16.11	7.43	-7.36	24.57	0.3430	0.2600
pfrav01	13.1	0.000476	0.002327	0.63	-5.21	6.82	0.48	-4.00	5.16	0.8380	5.9	0.010162	0.006824	6.18	-1.88	14.90	10.70	-3.16	26.54	0.1370	0.1790
pfrav02	12.1	-0.001951	0.002611	-2.33	-8.20	3.90	-1.93	-6.82	3.22	0.4550	5.3	0.013225	0.007433	7.26	-0.71	15.87	14.14	-1.34	32.04	0.0756	0.0544
pfrav03	11.6	-0.003002	0.002873	-3.42	-9.53	3.10	-2.96	-8.27	2.66	0.2960	4.9	0.019548	0.008000	10.05	1.91	18.84	21.59	3.94	42.23	0.0148	0.0083
pfrav04	11.2	-0.003005	0.003083	-3.31	-9.64	3.46	-2.96	-8.65	3.08	0.3300	4.8	0.020536	0.008713	10.36	1.67	19.79	22.80	3.52	45.66	0.0187	0.0115
pfrav05	10.8	-0.002752	0.003275	-2.93	-9.43	4.04	-2.71	-8.76	3.74	0.4010	4.4	0.019066	0.009428	8.75	0.26	17.96	21.01	0.59	45.56	0.0435	0.0301
sfrav01	15.2	-0.003031	0.002210	-4.50	-10.59	2.00	-2.99	-7.10	1.31	0.1710	12.2	0.007721	0.003899	9.88	0.10	20.62	8.03	0.08	16.61	0.0480	0.0181
sfrav02	14.0	-0.003461	0.002327	-4.75	-10.66	1.56	-3.40	-7.71	1.11	0.1370	11.3	0.009161	0.004129	10.91	1.21	21.53	9.59	1.07	18.83	0.0268	0.0089
sfrav03	13.2	-0.004510	0.002427	-5.78	-11.51	0.33	-4.41	-8.85	0.25	0.0635	10.0	0.011581	0.004294	12.28	3.22	22.14	12.28	3.22	22.14	0.0071	0.0014
sfrav04	13.0	-0.004681	0.002552	-5.90	-11.83	0.42	-4.57	-9.23	0.32	0.0670	8.9	0.011758	0.004660	11.03	2.36	20.43	12.48	2.66	23.23	0.0118	0.0024
sfrav05	12.6	-0.004589	0.002626	-5.62	-11.54	0.70	-4.49	-9.28	0.56	0.0809	8.7	0.011378	0.004954	10.41	1.46	20.14	12.05	1.68	23.48	0.0219	0.0051
pm25av01	22.7	-0.003841	0.001886	-8.35	-15.73	-0.33	-3.77	-7.26	-0.14	0.0421	15.3	0.003055	0.003199	4.78	-4.80	15.34	3.10	-3.16	9.77	0.3400	0.0662
pm25av02	22.4	-0.002992	0.001994	-6.48	-14.32	2.08	-2.95	-6.67	0.92	0.1340	13.5	0.002809	0.003445	3.86	-5.18	13.78	2.85	-3.87	10.03	0.4150	0.1510
pm25av03	22.2	-0.002682	0.002128	-5.78	-14.11	3.36	-2.65	-6.62	1.50	0.2080	12.8	0.006088	0.003658	8.10	-1.37	18.49	6.28	-1.08	14.18	0.0965	0.0415
pm25av04	21.4	-0.002931	0.002262	-6.08	-14.58	3.27	-2.89	-7.10	1.51	0.1950	11.9	0.007416	0.003861	9.23	-0.18	19.52	7.70	-0.15	16.16	0.0552	0.0231
pm25av05	19.6	-0.002185	0.002379	-4.19	-12.56	4.97	-2.16	-6.62	2.51	0.3590	10.9	0.007712	0.004101	8.77	-0.35	18.73	8.02	-0.33	17.06	0.0605	0.0403
pmcoarsem01	8.9	-0.005451	0.005359	-4.73	-13.23	4.59	-5.30	-14.75	5.18	0.3090	10.3	0.001436	0.005125	1.49	-8.48	12.55	1.45	-8.25	12.17	0.7790	0.3600
pmcoarsem02	8.0	-0.004028	0.006038	-3.17	-11.91	6.44	-3.95	-14.67	8.12	0.5050	9.3	-0.001076	0.005754	-0.99	-10.85	9.95	-1.07	-11.62	10.74	0.8520	0.7290
pmcoarsem03	7.7	-0.002717	0.006624	-2.07	-11.38	8.22	-2.68	-14.53	10.81	0.6820	9.2	-0.000074	0.006231	-0.06	-10.68	11.81	-0.07	-11.56	12.91	0.9900	0.7780
pmcoarsem04	6.9	-0.004564	0.007300	-3.10	-12.20	6.95	-4.46	-17.20	10.23	0.5320	8.9	0.004574	0.006691	4.15	-7.31	17.04	4.68	-8.19	19.35	0.4940	0.3730
pmcoarsem05	6.7	-0.004767	0.008034	-3.14	-12.84	7.63	-4.66	-18.55	11.61	0.5530	8.8	0.007613	0.007116	6.92	-5.42	20.89	7.91	-6.14	24.06	0.2850	0.2690
pm10av01*	30	-0.002499	0.001459	-7.22	-14.85	1.09	-2.47	-5.22	0.36	0.0873	21.6	0.002204	0.002213	4.88	-4.5	15.18	2.23	-2.11	6.76	0.3200	0.0807
pm10av02*	29.3	-0.002178	0.001577	-6.18	-14.31	2.71	-2.15	-5.13	0.92	0.168	20.9	0.002669	0.002409	5.74	-4.2	16.7	2.7	-2.03	7.67	0.2680	0.0997
pm10av03*	26.8	-0.00212	0.001691	-5.52	-13.55	3.25	-2.1	-5.29	1.2	0.21	20.1	0.00433	0.002572	9.09	-1.42	20.73	4.42	-0.71	9.82	0.0928	0.0415
pm10av04*	24.8	-0.002464	0.001803	-5.93	-13.82	2.69	-2.43	-5.82	1.08	0.172	19.7	0.005667	0.002721	11.81	0.66	24.2	5.83	0.33	11.63	0.0376	0.0157
pm10av05*	24.6	-0.001917	0.001908	-4.61	-12.99	4.58	-1.9	-5.5	1.84	0.315	18.5	0.006299	0.002864	12.36	1.28	24.66	6.5	0.69	12.65	0.0282	0.0208

Exposure-response relationships

The assumption in presenting all of the results in Tables 9 to 60 is that the true relationship between risk of hospital admission and level of pollutant is a linear one. It is reasonable to test this and consider that there might be threshold effects.

Table 61 overleaf displays P-values for the approximate F-tests for inclusion in each core model of a particulate measure modelled by a smoothing spline on 4 degrees of freedom. The P-value is an indication of the likelihood that a non-linear relationship between risk of hospital admission (adjusted for seasonality, calendar effects and meteorology) and pollution exists.

In each case the cumulative lag (0,1) i.e. mean of current and previous day was fitted as a smoothing spline with 4 degrees of freedom.

Figures 1 to 3 show the estimated exposure-response relationships corresponding to Table 61.

The dose-response relationship is estimated point-by-point and has one-standard error lower and upper pointwise bands plotted either side. It is seen how higher values of the pollutant are sparse and so the estimation is based on very few points (denoted clearly by the “rug” of vertical tick-marks at the foot of each plot). The median value of the pollutant is indicated by the dotted vertical bar. The curve should be interpreted for its overall shape and not on a point-by-point basis.

Table 61 P-values for approximate F-tests for particulate measures entered into the core models as smoothing splines.

Pollutant	All Cardiovascular All Ages	All Respiratory All Ages	Asthma Ages 0 - 14
PM ₁₀	0.3	0.4	0.6
PM ₁₀ *	0.4	0.4	0.6
PM _{2.5}	0.6	0.8	0.4
PM _{2.5-10}	0.3	0.7	0.6
BS	0.2	0.01	0.3
SO ₄	0.2	0.3	0.6
PFR	0.4	0.03	0.5
SFR	0.2	0.3	0.6

Figure 1.1 All Cardiovascular All Ages: PM₁₀

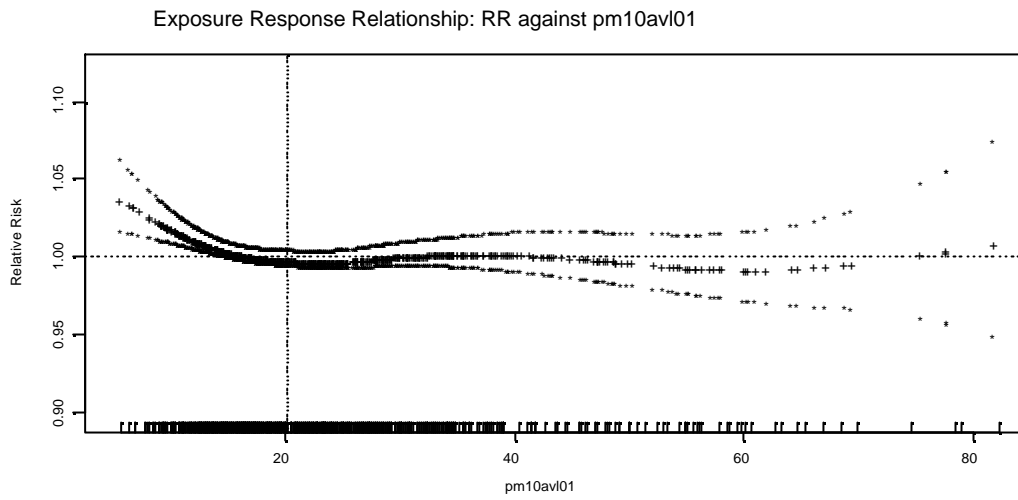


Figure 1.2 All Cardiovascular All Ages: PM_{2.5}

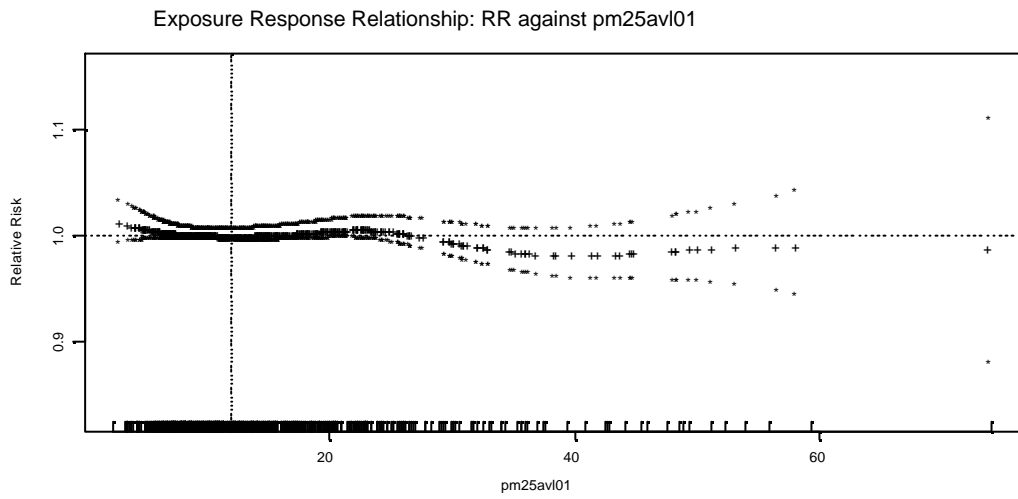


Figure 1.3 All Cardiovascular All Ages: PM_{2.5-10}

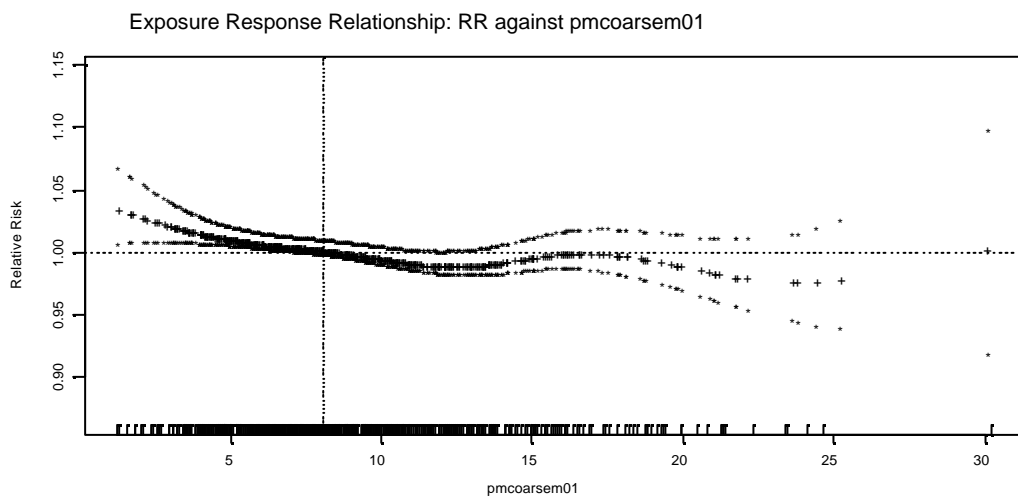


Figure 1.4 All Cardiovascular All Ages: PM₁₀*

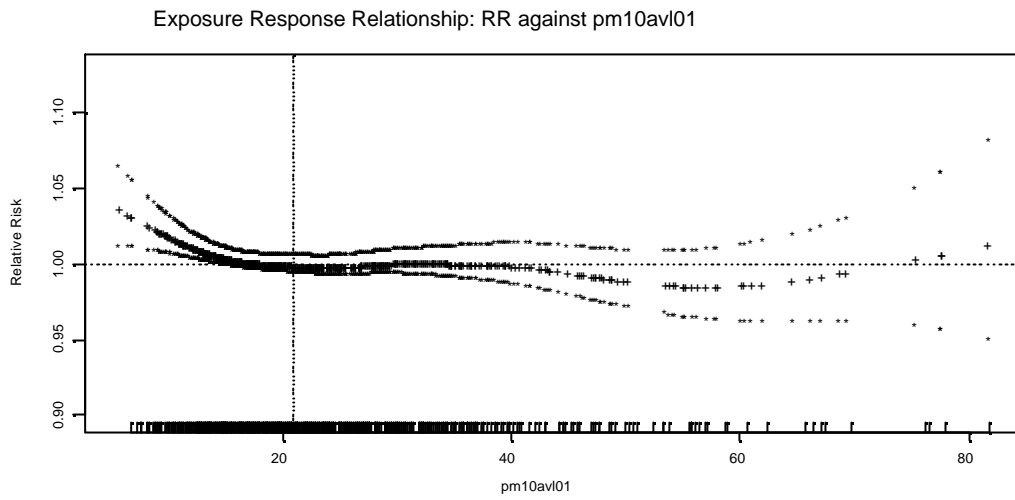


Figure 1.5 All Cardiovascular All Ages: Black Smoke

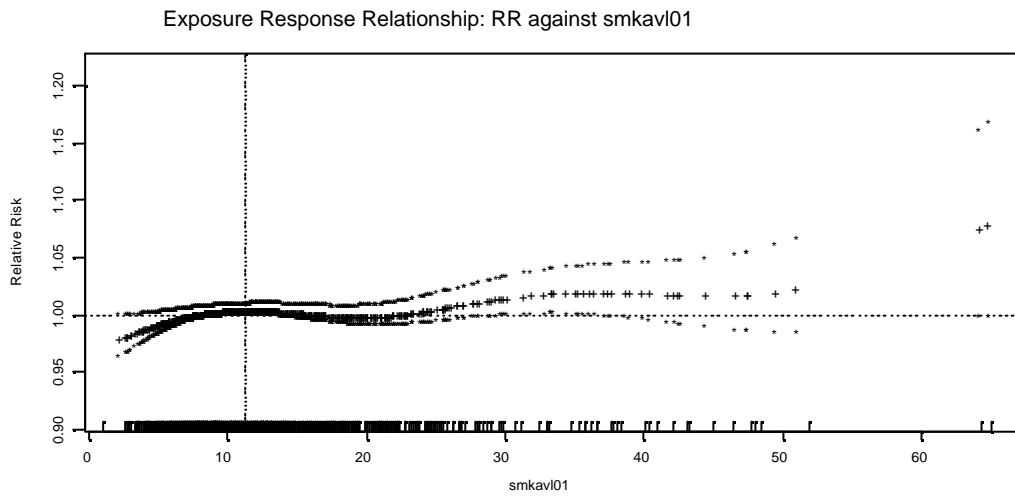


Figure 1.6 All Cardiovascular All Ages: SO₄

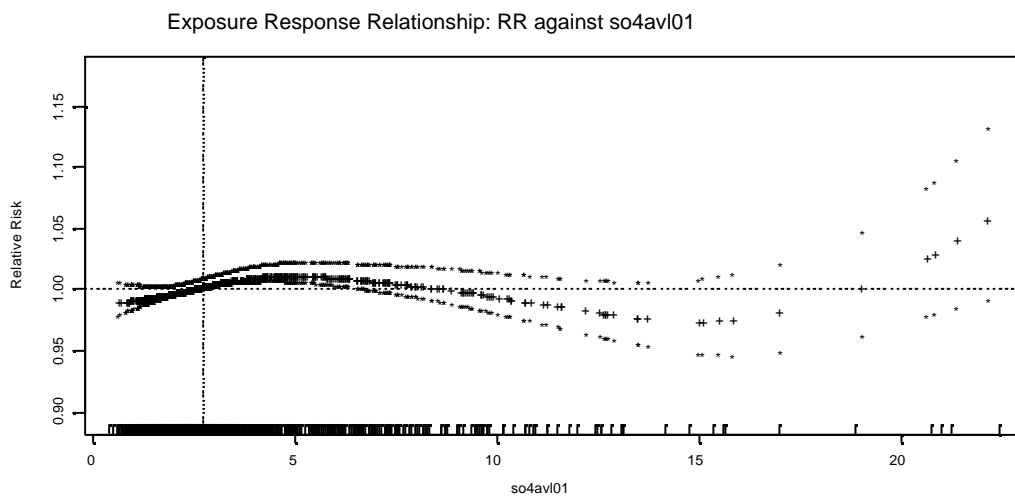


Figure 1.7 All Cardiovascular All Ages: Primary Fraction

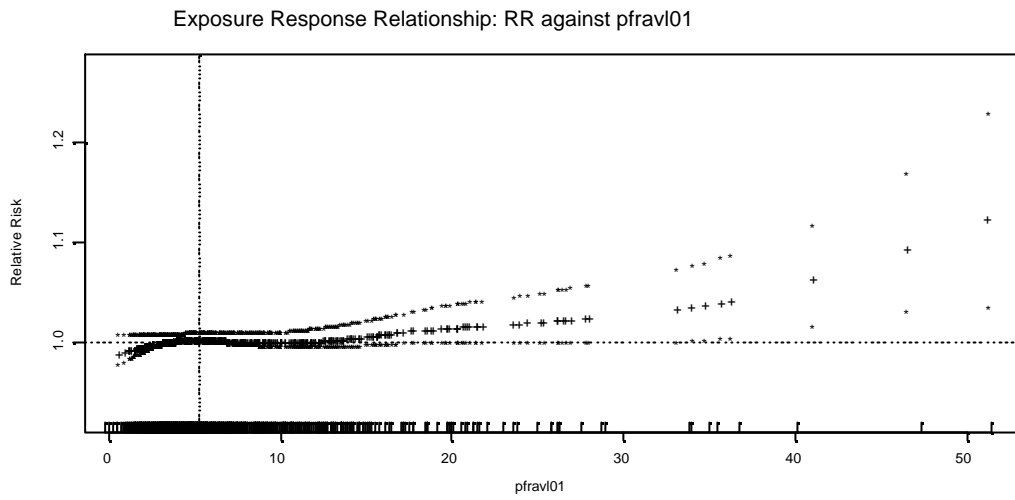


Figure 1.7 All Cardiovascular All Ages: Secondary Fraction

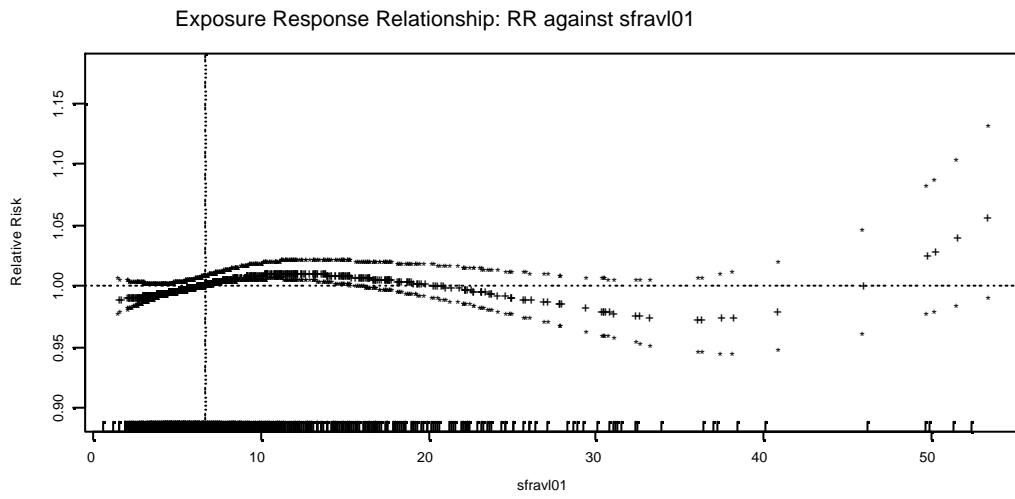


Figure 2.1 All Respiratory All Ages: PM₁₀

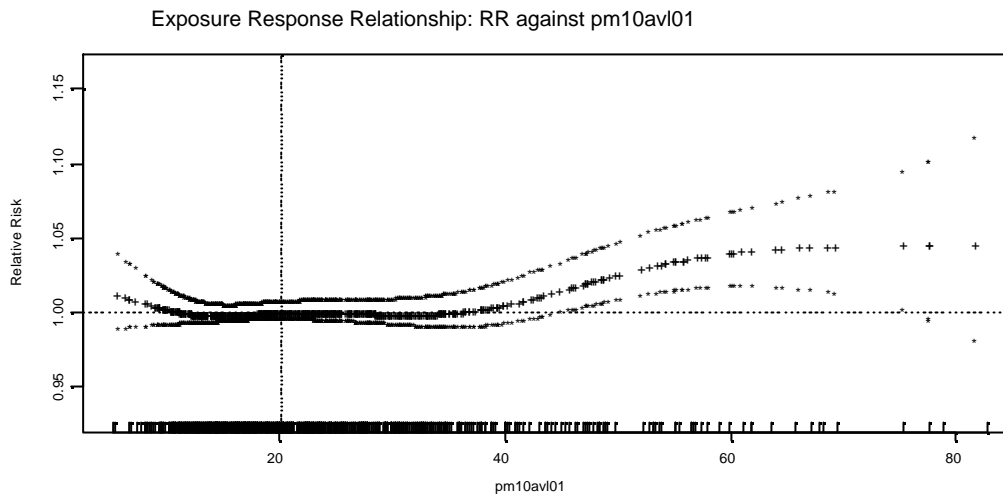


Figure 2.2 All Respiratory All Ages: PM_{2.5}

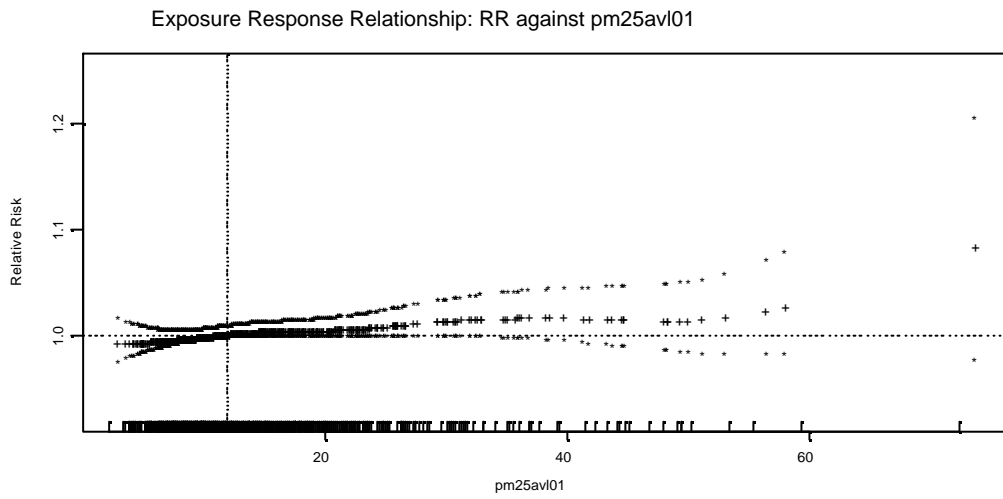


Figure 2.3 All Respiratory All Ages: PM_{2.5-10}

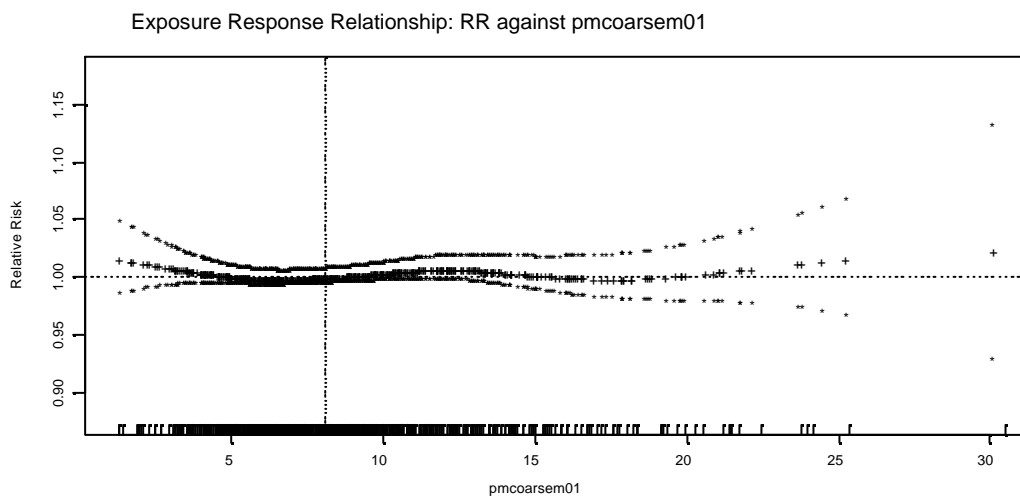


Figure 2.4 All Respiratory All Ages: PM₁₀*

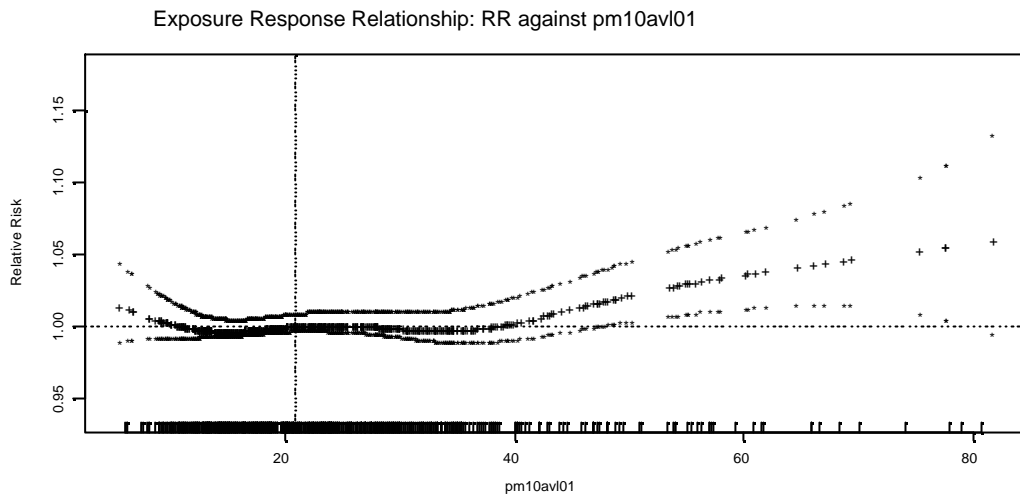


Figure 2.5 All Respiratory All Ages: Black Smoke

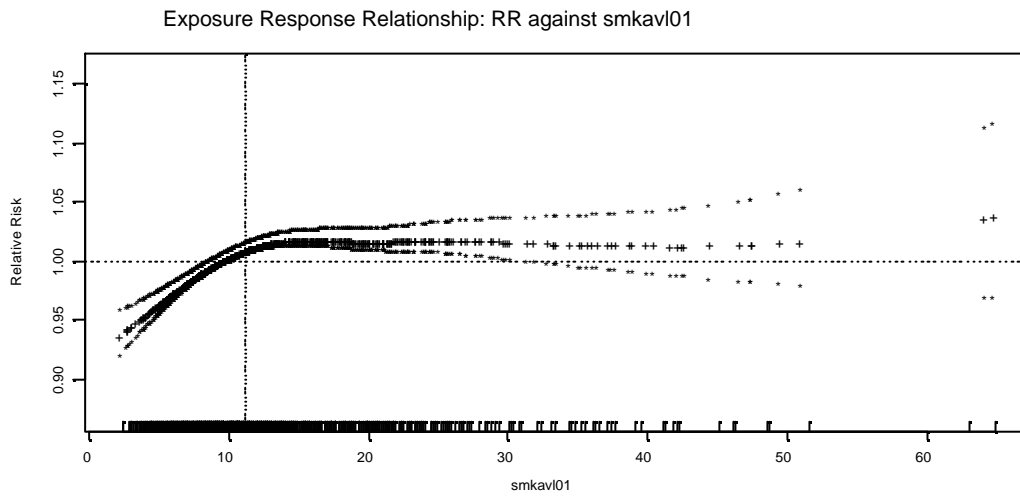


Figure 2.6 All Respiratory All Ages: SO₄

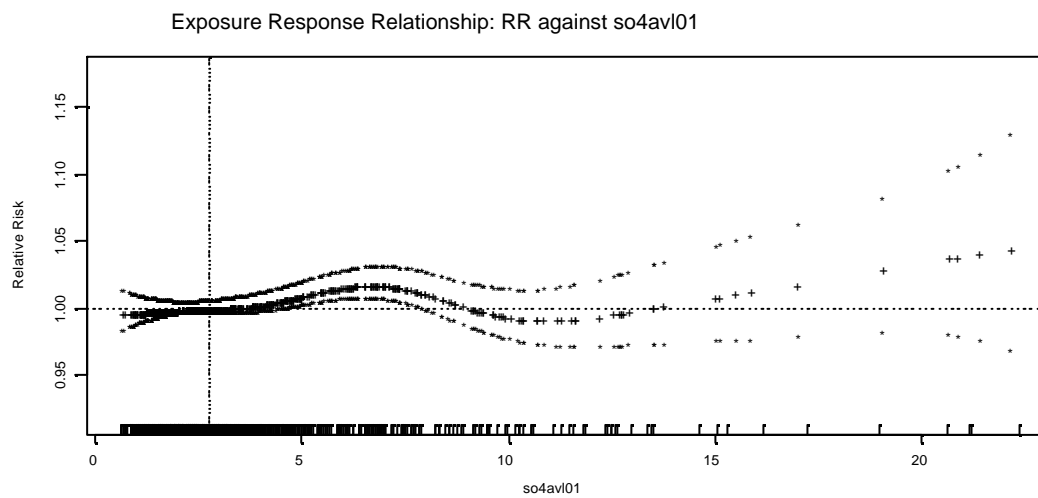


Figure 2.7 All Respiratory All Ages: Primary Fraction

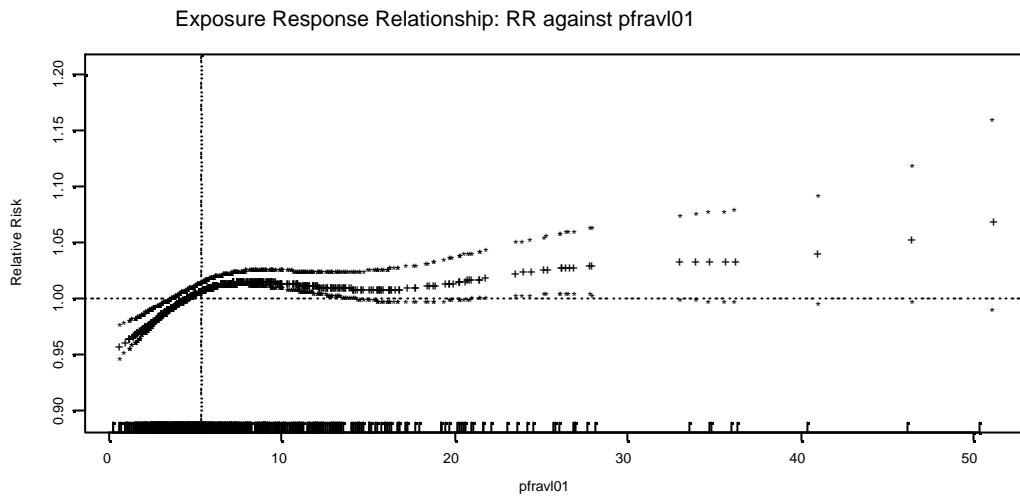


Figure 2.8 All Respiratory All Ages: Secondary Fraction

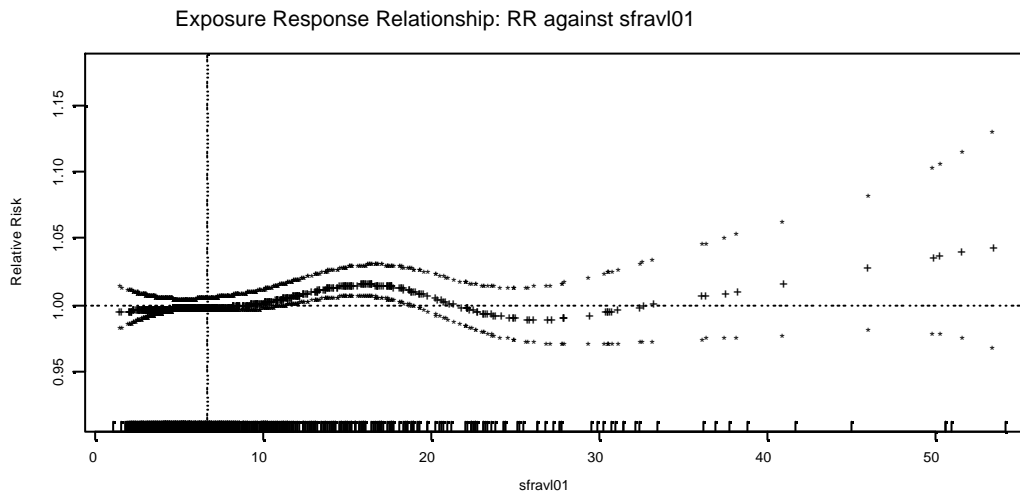


Figure 3.1 Asthma Ages 0-14: PM₁₀

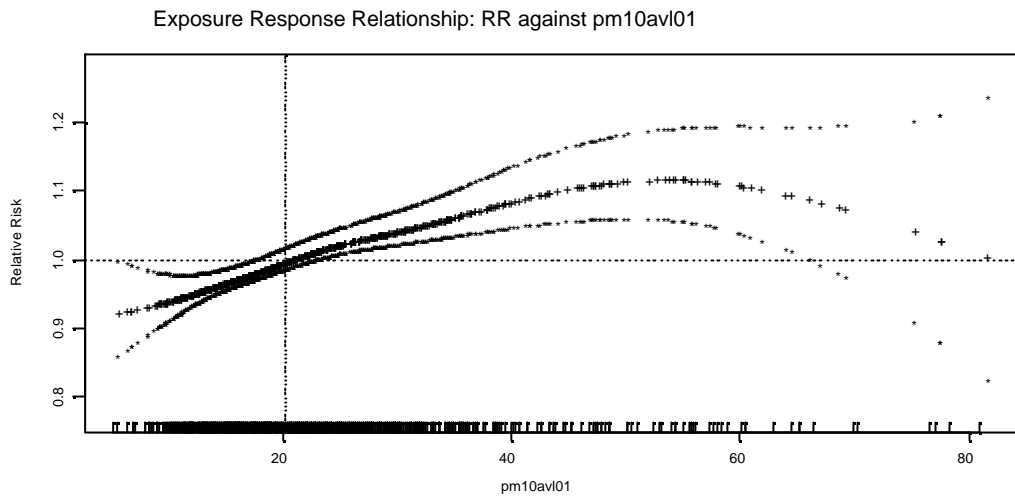


Figure 3.2 Asthma Ages 0-14: PM_{2.5}

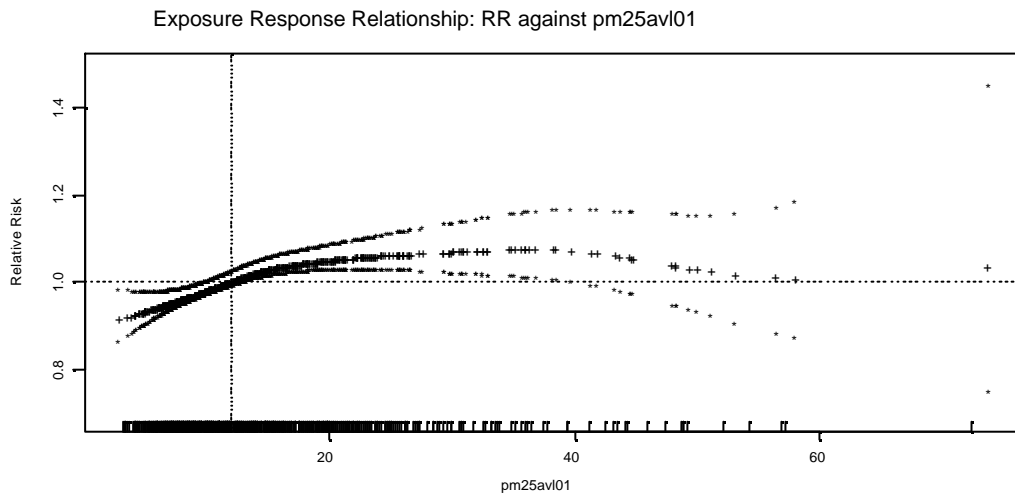


Figure 3.3 Asthma Ages 0-14: PM_{2.5-10}

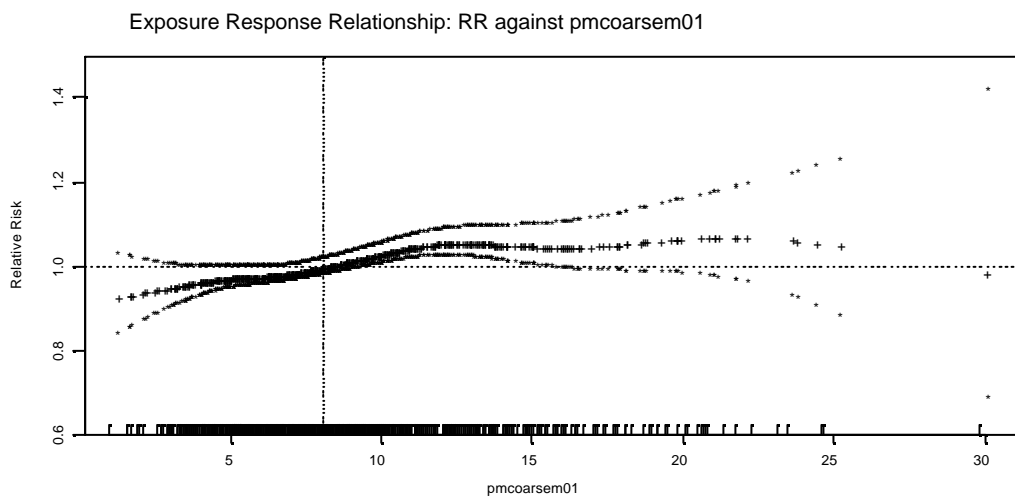


Figure 3.4 Asthma Ages 0-14: PM₁₀*

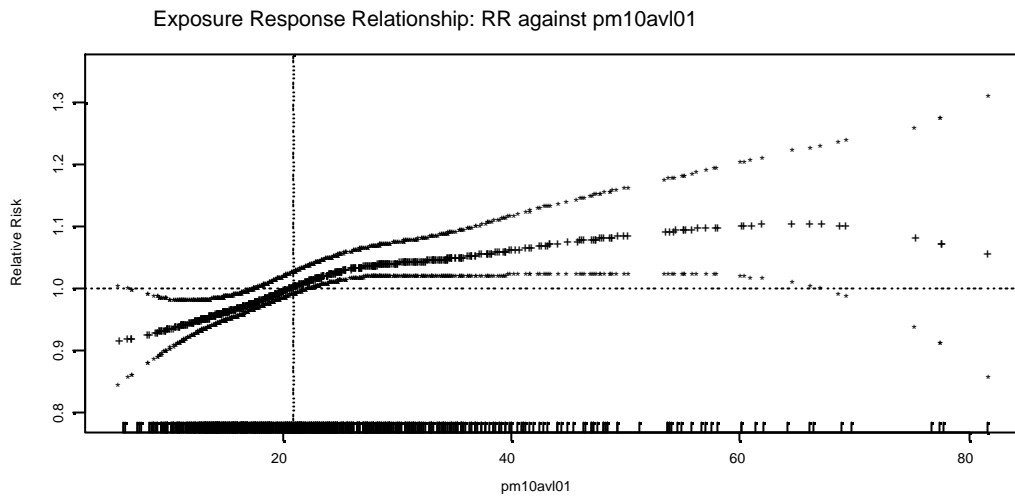


Figure 3.5 Asthma Ages 0-14: Black Smoke

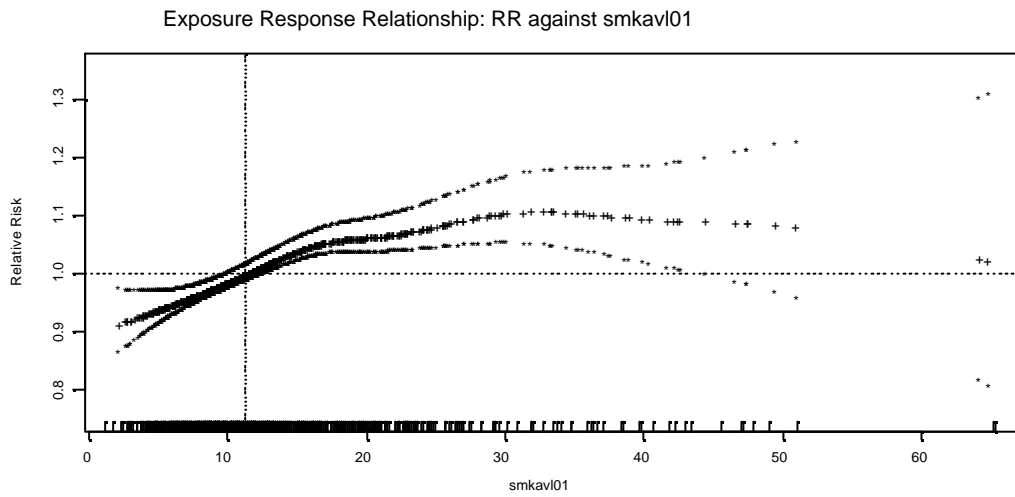


Figure 3.6 Asthma Ages 0-14: SO₄

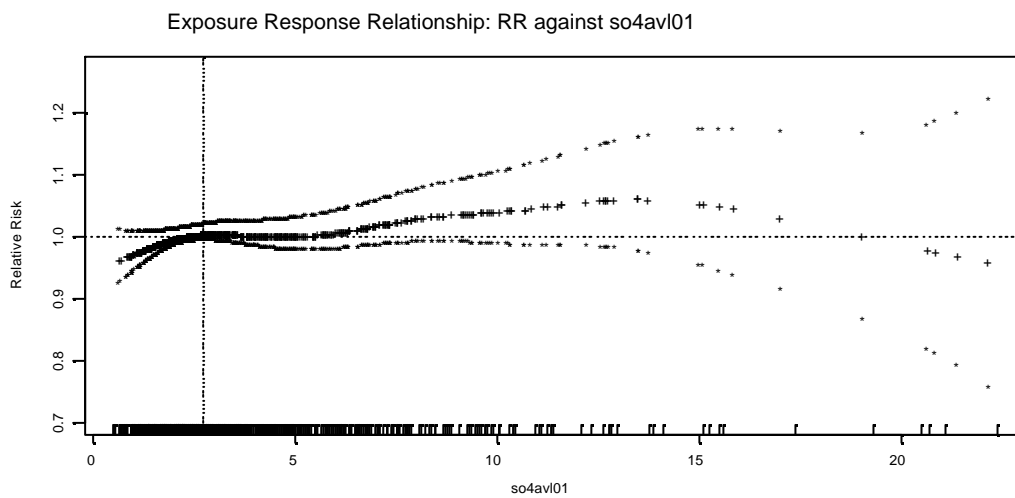


Figure 3.7 Asthma Ages 0-14: Primary Fraction

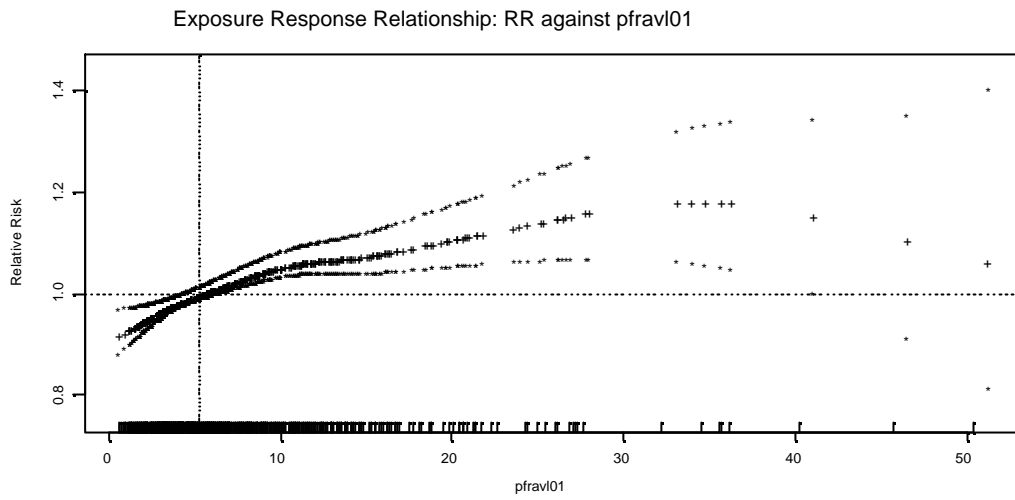


Figure 3.8 Asthma Ages 0-14: Secondary Fraction

