

APPENDICES

EPA HOSPITAL ADMISSIONS STUDY

APPENDIX A DESCRIPTIVE STATISTICS

A₁ POLLUTANTS

A₂ METEOROLOGY

A₃ HEALTH OUTCOMES

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

APPENDIX A1: POLLUTANTS

Table A1.1 Site-specific pollutant concentrations, Melbourne Statistical Division, July 1994-December 1997

Site		O ₃ (ppb)			bsp (10 ⁻⁴ m ⁻³)		NO ₂ (ppb)		CO (ppm)	
		8-hour	4-hour	1-hour	24-hour	1-hour	24-hour	1-hour	8-hour	1-hour
Alphington	Mean	18.83	22.05	24.23	0.28	0.72	13.63	25.47	1.06	1.68
	SD	9.35	10.28	11.32	0.29	0.72	4.81	8.41	0.99	1.43
	Min	2.00	4.00	5.00	0.00	0.07	1.00	4.00	0.00	0.00
	Max	67.00	78.00	99.00	2.43	5.49	33.00	65.00	8.90	11.50
Dandenong	Mean	22.19	25.01	26.69	0.26	0.58	11.93	23.28		
	SD	9.11	9.89	10.97	0.24	0.50	5.41	8.50		
	Min	1.00	3.00	2.00	0.00	0.00	1.00	3.00		
	Max	78.00	92.00	107.00	2.14	3.64	31.00	77.00		
Footscray	Mean	22.28	25.30	25.39	0.25	0.55	13.11	25.76	0.68	1.13
	SD	8.92	10.20	12.01	0.23	0.47	5.84	10.73	0.56	1.00
	Min	1.00	2.00	0.00	0.02	0.04	2.00	4.00	0.10	0.10
	Max	78.00	95.00	105.00	2.06	3.34	38.00	88.00	3.90	6.90
Point Cook	Mean	24.47	26.74	29.00	0.15	0.36	6.06	16.22		
	SD	9.31	10.72	12.15	0.19	0.41	4.89	10.39		
	Min	2.00	3.00	3.00	0.00	0.01	0.00	0.00		
	Max	98.00	113.00	126.00	2.06	3.23	39.00	74.00		
Paisley	Mean	22.82	25.56	28.08	0.21	0.49	10.33	22.40		
	SD	9.49	10.95	12.60	0.23	0.49	6.35	11.42		
	Min	1.00	2.00	0.00	0.00	0.02	0.00	0.00		
	Max	96.00	111.00	120.00	2.20	3.57	39.00	71.00		
Brighton	Mean	22.61	25.54	27.19						
	SD	9.57	10.92	12.29						
	Min	3.00	3.00	4.00						
	Max	85.00	97.00	112.00						
Box Hill	Mean	19.67	22.85	24.55	0.26	0.63	12.95	24.30	0.88	1.46
	SD	9.37	10.14	10.95	0.24	0.63	4.63	8.08	0.85	1.29
	Min	2.00	4.00	6.00	0.01	0.04	3.00	4.00	0.00	0.00
	Max	73.00	87.00	107.00	1.99	4.36	33.00	73.00	6.50	8.70

Table A1.2 Inter-site correlation coefficients: average 8-hour ozone*

	Dandenong	Footscray	Pt Cook	Paisley	Brighton	Box Hill
Alphington	0.86	0.90	0.79	0.80	0.86	0.94
Dandenong		0.92	0.81	0.87	0.92	0.90
Footscray			0.84	0.91	0.93	0.90
Pt Cook				0.89	0.88	0.74
Paisley					0.92	0.80
Brighton						0.83

* all coefficients significant at p=0.0001

Table A1.3 Inter-site correlation coefficients: average 4-hour ozone*

	Dandenong	Footscray	Pt Cook	Paisley	Brighton	Box Hill
Alphington	0.85	0.90	0.80	0.82	0.87	0.94
Dandenong		0.90	0.82	0.88	0.92	0.90
Footscray			0.86	0.93	0.93	0.89
Pt Cook				0.90	0.89	0.76
Paisley					0.93	0.81
Brighton						0.85

* all coefficients significant at p=0.0001

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Table A1.4 Inter-site correlation coefficients: maximum 1-hour ozone*

	Dandenong	Footscray	Pt Cook	Paisley	Brighton	Box Hill
Alphington	0.83	0.86	0.80	0.81	0.86	0.93
Dandenong		0.86	0.81	0.86	0.90	0.89
Footscray			0.79	0.86	0.91	0.85
Pt Cook				0.89	0.88	0.77
Paisley					0.92	0.81
Brighton						0.85

* all coefficients significant at $p=0.0001$

Table A1.5 Inter-site correlation coefficients: average 24-hour bsp*

	Dandenong	Footscray	Pt Cook	Paisley	Box Hill
Alphington	0.89	0.87	0.76	0.83	0.92
Dandenong		0.91	0.86	0.90	0.89
Footscray			0.92	0.95	0.86
Pt Cook				0.93	0.77
Paisley					0.81

* all coefficients significant at $p=0.0001$

Table A1.6 Inter-site correlation coefficients: maximum 1-hour bsp*

	Dandenong	Footscray	Pt Cook	Paisley	Box Hill
Alphington	0.77	0.73	0.63	0.71	0.85
Dandenong		0.81	0.77	0.79	0.82
Footscray			0.82	0.87	0.74
Pt Cook				0.82	0.64
Paisley					0.71

* all coefficients significant at $p=0.0001$

Table A1.7 Inter-site correlation coefficients: average 24-hour nitrogen dioxide*

	Dandenong	Footscray	Pt Cook	Paisley	Box Hill
Alphington	0.66	0.73	0.39	0.55	0.83
Dandenong		0.83	0.72	0.83	0.71
Footscray			0.72	0.82	0.73
Pt Cook				0.87	0.37
Paisley					0.52

* all coefficients significant at $p=0.0001$

Table A1.8 Inter-site correlation coefficients: maximum 1-hour nitrogen dioxide*

	Dandenong	Footscray	Pt Cook	Paisley	Box Hill
Alphington	0.64	0.72	0.52	0.69	0.81
Dandenong		0.71	0.66	0.75	0.72
Footscray			0.70	0.83	0.73
Pt Cook				0.80	0.52
Paisley					0.70

* all coefficients significant at $p=0.0001$

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Table A1.9 Inter-site correlation coefficients: average 8-hour carbon monoxide*

	Parl. Place	Footscray	Box Hill
Alphington	0.83	0.79	0.90
Parl. Place		0.84	0.79
Footscray			0.74

* all coefficients significant at $p=0.0001$

Table A1.10 Inter-site correlation coefficients: maximum 1-hour carbon monoxide*

	Parl. Place	Footscray	Box Hill
Alphington	0.78	0.76	0.87
Parl. Place		0.79	0.75
Footscray			0.72

* all coefficients significant at $p=0.0001$

Table A1.11 Site-specific correlation coefficients: Alphington*

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp	8 hour CO	1 hour CO
8 hour O ₃	0.97	0.94	-0.07 ^a	0.18	-0.23	-0.26	-0.26	-0.25
4 hour O ₃		0.98	0.03 ^{ns}	0.26	-0.16	-0.19	-0.19	-0.18
1 hour O ₃			0.08 ^a	0.29	-0.12 ^c	-0.16	-0.15	-0.14
24 hour NO ₂				0.82	0.55	0.52	0.58	0.59
1 hour NO ₂					0.50	0.48	0.52	0.52
24 hour bsp						0.89	0.76	0.72
1 hour bsp							0.80	0.78
8 hour CO								0.94

* all coefficients significant at $p=0.0001$ unless indicated

^a significant at $p<0.05$

^b significant at $p<0.01$

^c Significant at $p<0.001$

^{ns} not significant

Table A1.12 Site-specific correlation coefficients: Dandenong*

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp
8 hour O ₃	0.97	0.94	-0.18	0.03 ^{ns}	-0.18	-0.18
4 hour O ₃		0.99	-0.07 ^a	0.11	-0.11 ^c	-0.10 ^c
1 hour O ₃			-0.01 ^{ns}	0.16	-0.06 ^a	-0.06 ^a
24 hour NO ₂				0.85	0.55	0.56
1 hour NO ₂					0.45	0.46
24 hour bsp						0.91

* all coefficients significant at $p=0.0001$ unless indicated

^a significant at $p<0.05$

^b significant at $p<0.01$

^c Significant at $p<0.001$

^{ns} not significant

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Table A1.13 Site-specific correlation coefficients: Footscray*

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp	8 hour CO	1 hour CO
8 hour O ₃	0.97	0.90	-0.04 ^{ns}	0.19	-0.14	-0.12	-0.23	-0.19
4 hour O ₃		0.94	0.06 ^a	0.26	-0.05 ^{ns}	-0.03 ^{ns}	-0.14	-0.11
1 hour O ₃			0.13	0.30	-0.01 ^{ns}	0.001 ^{ns}	-0.09 ^b	-0.07 ^a
24 hour NO ₂				0.87	0.63	0.63	0.74	0.72
1 hour NO ₂					0.53	0.56	0.62	0.63
24 hour bsp						0.90	0.68	0.58
1 hour bsp							0.75	0.69
8 hour CO								0.94

* all coefficients significant at p=0.0001 unless indicated

^a significant at p<0.05

^b significant at p<0.01

^c Significant at p<0.001

^{ns} not significant

Table A1.14 Site-specific correlation coefficients: Point Cook*

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp
8 hour O ₃	0.98	0.92	-0.05 ^{ns}	0.10 ^b	0.03 ^{ns}	0.07 ^a
4 hour O ₃		0.96	0.08 ^a	0.21	0.11 ^c	0.14
1 hour O ₃			0.12 ^c	0.23	0.14	0.18
24 hour NO ₂				0.88	0.63	0.67
1 hour NO ₂					0.54	0.61
24 hour bsp						0.92

* all coefficients significant at p=0.0001 unless indicated

^a significant at p<0.05

^b significant at p<0.01

^c Significant at p<0.001

^{ns} not significant

Table A1.15 Site-specific correlation coefficients: Paisley*

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp
8 hour O ₃	0.97	0.92	-0.03 ^{ns}	0.22	-0.06 ^a	-0.04 ^{ns}
4 hour O ₃		0.97	0.07 ^a	0.29	0.02 ^{ns}	0.04 ^{ns}
1 hour O ₃			0.11 ^c	0.31	0.06 ^a	0.08 ^b
24 hour NO ₂				0.87	0.62	0.62
1 hour NO ₂					0.54	0.59
24 hour bsp						0.89

* all coefficients significant at p=0.0001 unless indicated

^a significant at p<0.05

^b significant at p<0.01

^c Significant at p<0.001

^{ns} not significant

Table A1.16 Site-specific correlation coefficients: Brighton*

	4 hour O ₃	1 hour O ₃
8 hour O ₃	0.97	0.92
4 hour O ₃		0.97

* all coefficients significant at p=0.0001

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Table A1.17 Site-specific correlation coefficients: Box Hill*

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp	8 hour CO	1 hour CO
8 hour O ₃	0.98	0.95	-0.16	0.17	-0.20	-0.25	-0.27	-0.25
4 hour O ₃		0.99	-0.06 ^a	0.25	-0.11	-0.19	-0.19	-0.18
1 hour O ₃			-0.02 ^{ns}	0.26	-0.08 ^b	-0.15	-0.17	-0.16
24 hour NO ₂				0.81	0.53	0.52	0.62	0.62
1 hour NO ₂					0.45	0.43	0.51	0.53
24 hour bsp						0.89	0.72	0.68
1 hour bsp							0.78	0.75
8 hour CO								0.93

* all coefficients significant at p=0.0001 unless indicated

^a significant at p<0.05

^b significant at p<0.01

^c Significant at p<0.001

^{ns} not significant

Table A1.18 Mean daily pollutant concentrations (network average), Melbourne,
July 1994 – December 1997

	Whole study period				Cool season ^a				Warm season ^b			
	Mean	SD	Min	Max	Mean	SD	Min	Max	Mean	SD	Min	Max
O ₃ (ppb)												
8 hour	21.79	8.89	0.99	77.57	19.57	6.07	0.99	56.14	25.07	11.13	11.14	77.57
4 hour	24.65	9.99	2.01	87.86	22.28	6.10	2.01	63.00	28.18	13.13	11.57	87.86
1 hour	26.35	11.11	2.00	97.57	23.66	6.07	2.00	67.57	30.35	15.02	10.73	97.57
bsp (10 ⁻⁴ m ³)												
24 hour	0.24	0.23	0.03	2.00	0.27	0.27	0.03	2.00	0.19	0.13	0.03	1.25
1 hour	0.55	0.48	0.07	3.26	0.66	0.54	0.07	3.26	0.40	0.31	0.08	2.73
NO ₂ (ppb)												
24 hour	11.35	4.62	2.47	27.29	13.03	4.34	2.87	27.29	8.85	3.83	2.47	24.67
1 hour	22.90	8.39	5.17	64.29	25.12	7.28	6.50	64.29	19.6	8.83	5.17	52.15
CO (ppm)												
8 hour	0.92	0.75	0.10	5.68	1.15	0.86	0.10	5.68	0.58	0.32	0.10	2.35
1 hour	1.51	1.19	0.17	9.33	1.88	1.33	0.20	9.33	0.95	0.60	0.17	3.57

^a April – October

^b November - March

Table A1.19 Network average correlation coefficients, Melbourne,
July 1994-December 1997*

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp	8 hour CO	1 hour CO
8 hour O ₃	0.98	0.96	-0.03 ^{ns}	0.21	-0.13	-0.15	-0.25	-0.23
4 hour O ₃		0.99	0.06 ^a	0.29	0.06 ^a	-0.07 ^a	-0.17	-0.15
1 hour O ₃			0.11	0.32	-0.01 ^{ns}	-0.03 ^{ns}	-0.13	-0.11
24 hour NO ₂				0.90	0.64	0.69	0.75	0.77
1 hour NO ₂					0.56	0.61	0.64	0.68
24 hour bsp						0.93	0.70	0.66
1 hour bsp							0.78	0.75
8 hour CO								0.96

* all coefficients significant at p=0.0001 unless indicated

^a significant at p<0.05

^b significant at p<0.01

^c Significant at p<0.001

^{ns} not significant

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Table A1.20 Network average correlation coefficients*, Melbourne, July 1994-December 1997: Cool season^a

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp	8 hour CO	1 hour CO
8 hour O ₃	0.97	0.92	-0.41	-0.15	-0.45	-0.44	-0.47	-0.44
4 hour O ₃		0.98	-0.26	-0.004 ^{ns}	-0.37	-0.36	-0.36	-0.32
1 hour O ₃			-0.17	0.08 ^a	-0.30	-0.29	-0.29	-0.26
24 hour NO ₂				0.89	0.68	0.71	0.73	0.75
1 hour NO ₂					0.59	0.64	0.67	0.69
24 hour bsp						0.93	0.72	0.69
1 hour bsp							0.81	0.79
8 hour CO								0.96

* all coefficients significant at $p=0.0001$ unless indicated

^a April - October

^a significant at $p<0.05$

^b significant at $p<0.01$

^c Significant at $p<0.001$

^{ns} not significant

Table A1.21 Network average correlation coefficients*, Melbourne, July 1994-December 1997: Warm season^a

	4 hour O ₃	1 hour O ₃	24 hour NO ₂	1 hour NO ₂	24 hour bsp	1 hour bsp	8 hour CO	1 hour CO
8 hour O ₃	0.99	0.97	0.61	0.68	0.48	0.41	0.37	0.34
4 hour O ₃		0.99	0.63	0.69	0.50	0.44	0.39	0.36
1 hour O ₃			0.64	0.69	0.51	0.44	0.40	0.36
24 hour NO ₂				0.93	0.60	0.57	0.78	0.76
1 hour NO ₂					0.56	0.55	0.72	0.72
24 hour bsp						0.92	0.48	0.41
1 hour bsp							0.47	0.41
8 hour CO								0.91

* all coefficients significant at $p=0.001$

^a November - March

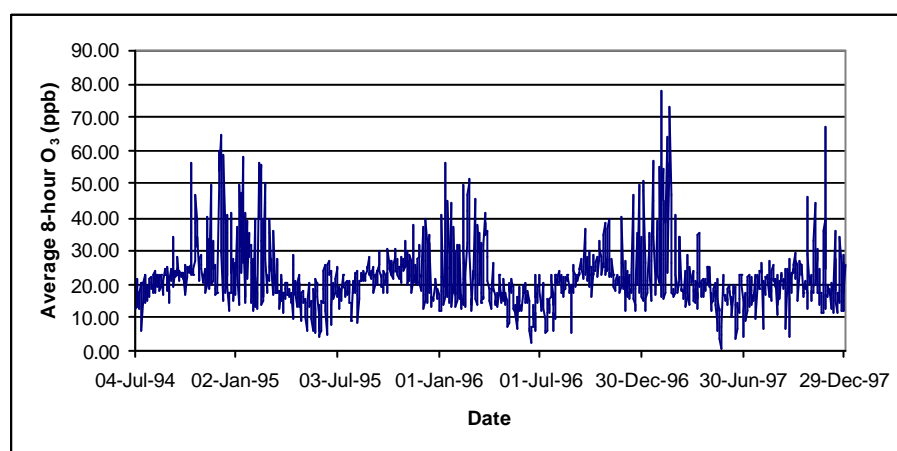


Figure A1.1 Time series: 8-hour ozone (network average), Melbourne, July 1994-December 1997

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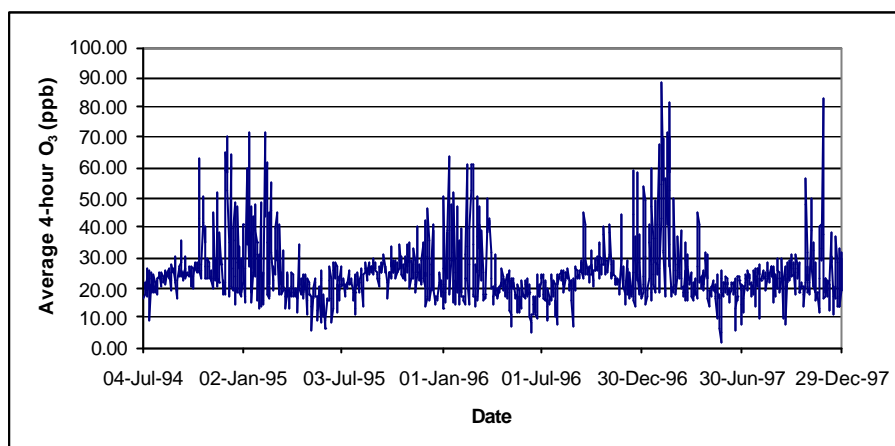


Figure A1.2 Time series: 4-hour ozone (network average), Melbourne, July 1994-December 1997

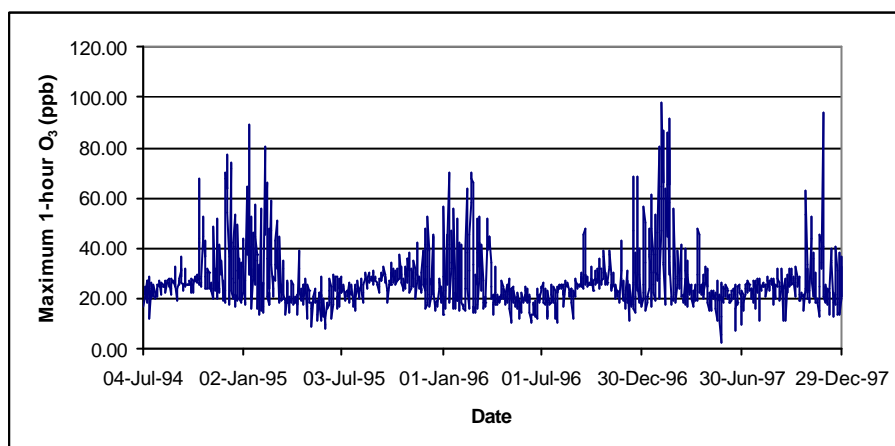


Figure A1.3 Time series: 1-hour ozone (network average), Melbourne, July 1994-December 1997

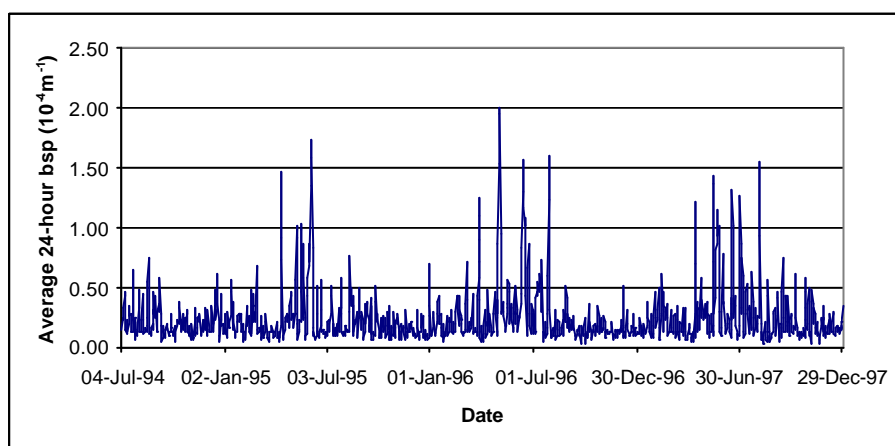


Figure A1.4 Time series: 24-hour bsp (network average), Melbourne, July 1994-December 1997

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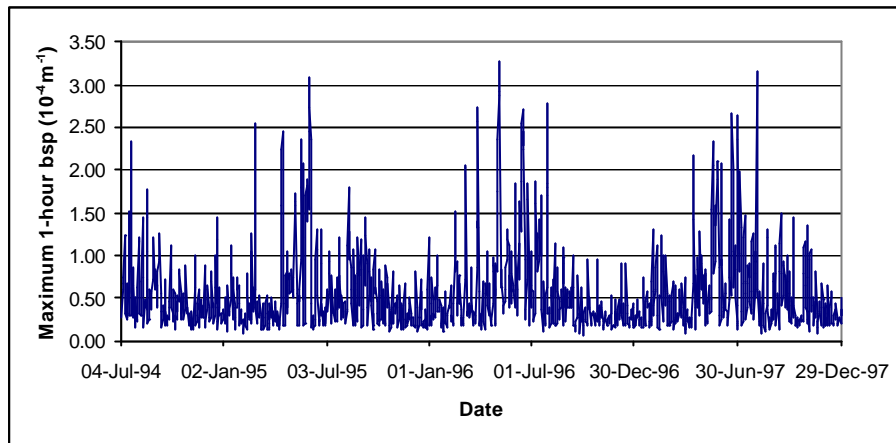


Figure A1.5 Time series: 1-hour bsp (network average), Melbourne, July 1994-December 1997

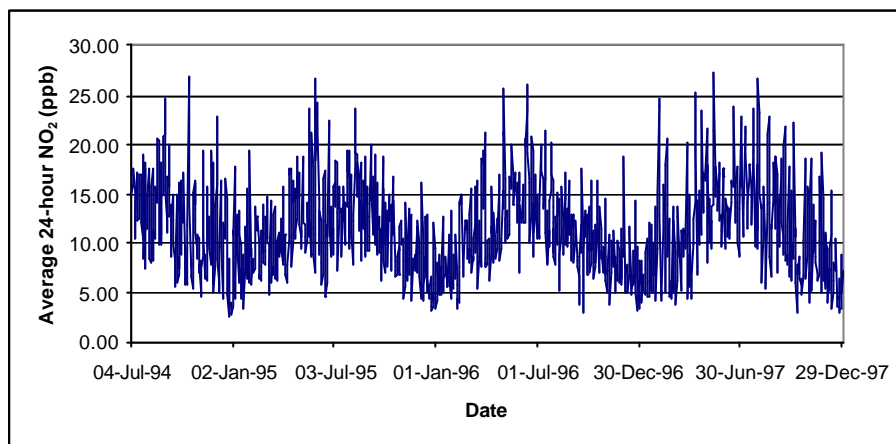


Figure A1.6 Time series: 24-hour nitrogen dioxide (network average), Melbourne, July 1994-December 1997

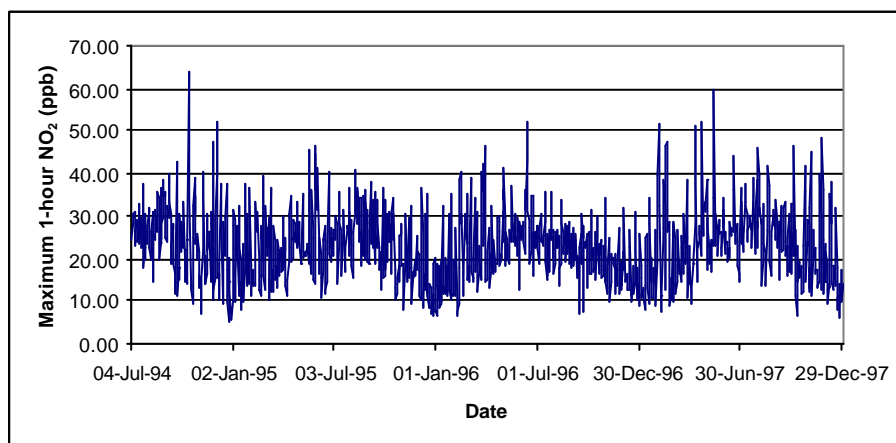


Figure A1.7 Time series: 1-hour nitrogen dioxide (network average), Melbourne, July 1994-December 1997

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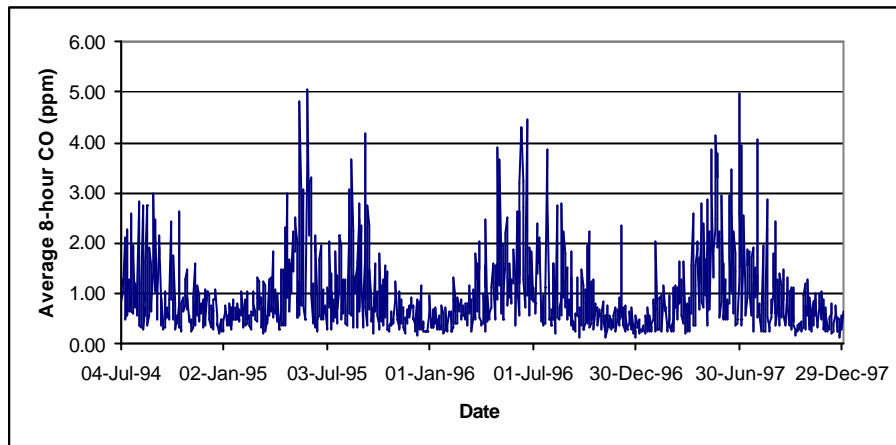


Figure A1.8 Time series: 8-hour carbon monoxide (network average), Melbourne, July 1994-December 1997

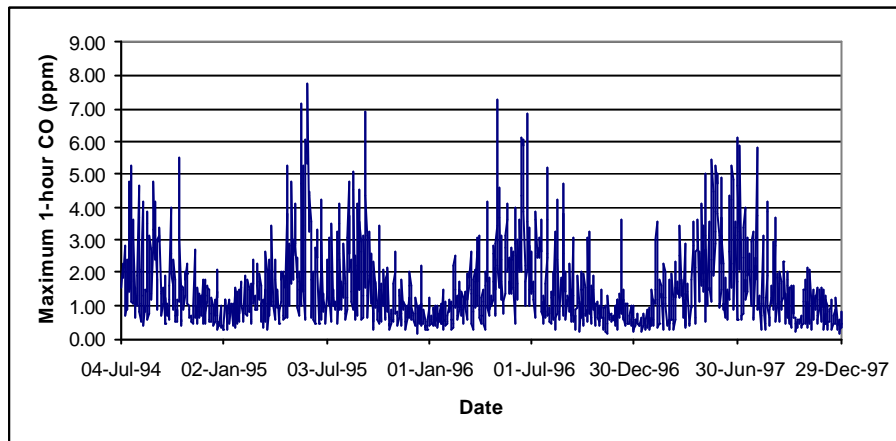


Figure A1.9 Time series: 1-hour carbon monoxide (network average), Melbourne, July 1994-December 1997

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APPENDIX A2: METEOROLOGY

Table A2 Meteorological variables, Melbourne, July 1994 – December 1997

	Whole study period				Cool season ^a				Warm season ^b			
	Mean	SD	Min	Max	Mean	SD	Min	Max	Mean	SD	Min	Max
Min temp (°C)	9.78	4.06	-1.44	25.60	7.59	3.02	-1.44	16.95	13.02	3.16	5.00	25.60
Max temp (°C)	19.10	5.84	7.10	41.48	16.08	3.75	7.10	32.80	23.57	5.52	11.62	41.48
Average temp (°C)	14.34	4.55	4.22	33.54	11.77	2.90	4.22	23.50	18.15	3.81	9.08	33.54
Dew point min (°C)	6.34	3.24	-2.05	17.15	4.86	2.49	-2.05	13.35	8.53	2.97	2.00	17.15
Dew point max (°C)	10.75	3.38	2.95	20.85	9.07	2.48	2.95	17.40	13.24	2.98	6.20	20.85
Rain (mm)	1.66	4.93	0	80.40	1.69	3.96	0	36.60	1.60	6.10	0	80.40

Data Source: Bureau of Meteorology

a April – October

b November - March

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APPENDIX A3: HEALTH OUTCOMES

Table A3 Daily hospital admissions, Melbourne, July 1994 – December 1997

	Whole study period				Cool season ^a				Warm season ^b			
	Mean	SD	Min	Max	Mean	SD	Min	Max	Mean	SD	Min	Max
Asthma 0-14	9.65	4.64	0	29	9.94	4.18	1	26	9.21	5.22	0	29
Total asthma	18.47	6.45	3	52	19.60	5.92	7	38	16.78	6.83	3	52
Respiratory 0-14	21.93	8.92	2	54	25.53	8.03	7	54	16.58	7.38	2	40
Respiratory 15-64	19.86	6.19	4	54	21.59	6.24	5	54	17.29	5.15	4	37
Respiratory 65+	24.08	8.37	8	68	26.96	8.78	10	68	19.80	5.41	8	38
Total Respiratory	65.87	18.32	21	132	74.08	16.99	35	132	53.68	12.53	21	105
Cardiovas. 0-64	27.93	6.14	11	51	28.47	6.09	12	51	27.13	6.13	11	46
Cardiovas. 65+	56.11	9.34	29	88	58.45	9.17	33	88	52.65	8.48	29	79
Total cardiovas.	84.04	12.53	47	129	86.91	12.09	48	129	79.78	11.94	47	112
Total IHD	31.25	6.23	12	56	32.06	6.07	17	56	30.04	6.27	12	52

Data source: Department of Human Services, Victoria

a April – October

b November - March

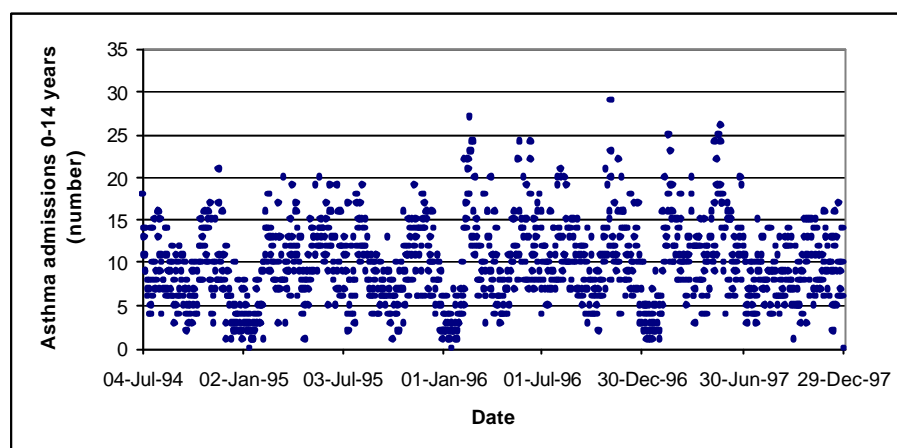


Figure A3.1 Time series: Hospital admissions for asthma, 0-14 years, Melbourne, July 1994-December 1997

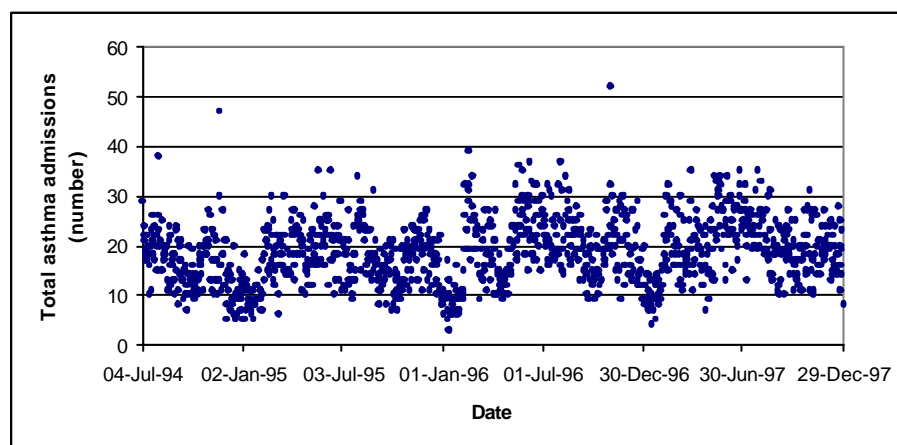


Figure A3.2 Time series: Hospital admissions for asthma, all ages, Melbourne, July 1994-December 1997

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

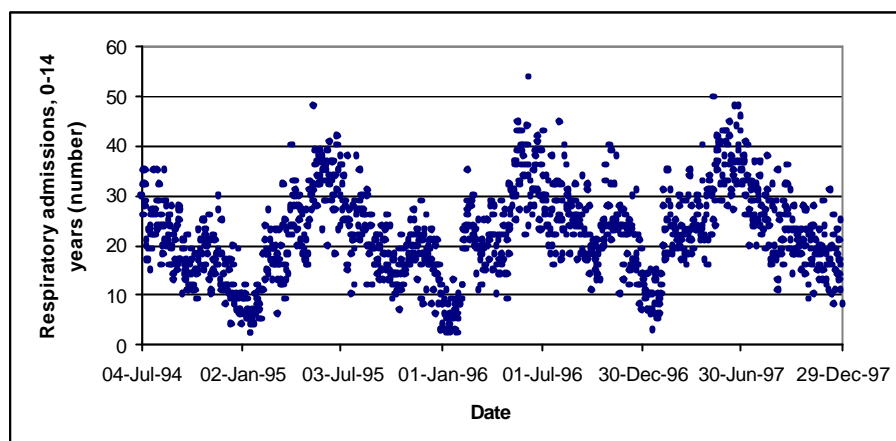


Figure A3.3 Time series: Hospital admissions for respiratory disease, 0-14 years, Melbourne, July 1994-December 1997

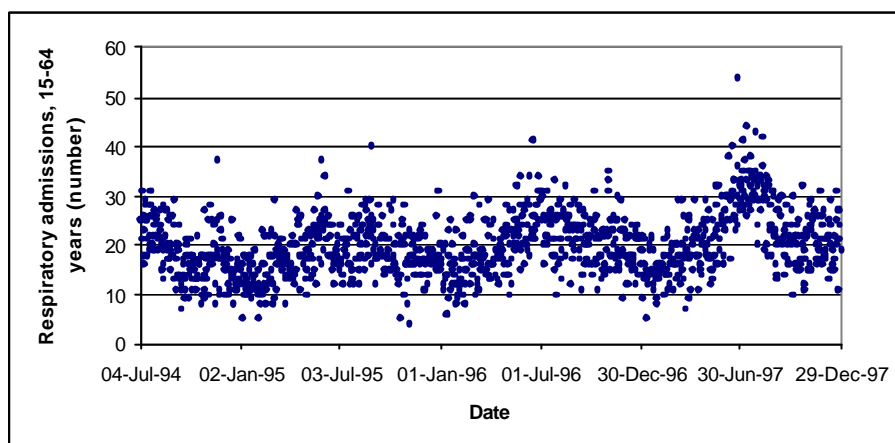


Figure A3.4 Time series: Hospital admissions for respiratory disease, 15-64 years, Melbourne, July 1994-December 1997

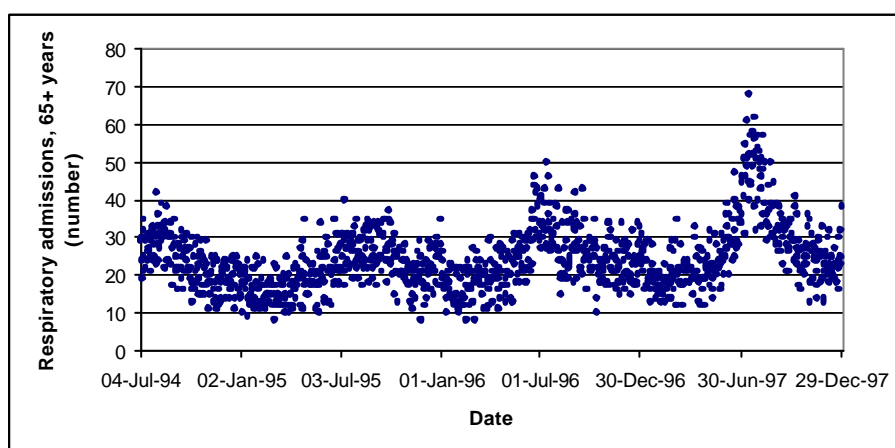


Figure A3.5 Time series: Hospital admissions for respiratory disease, 65+ years, Melbourne, July 1994-December 1997

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

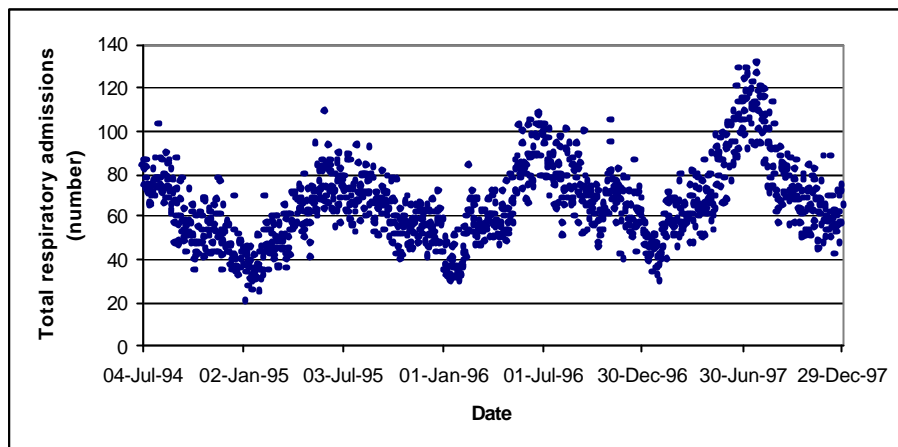


Figure A3.6 Time series: Hospital admissions for respiratory disease, all ages, Melbourne, July 1994-December 1997

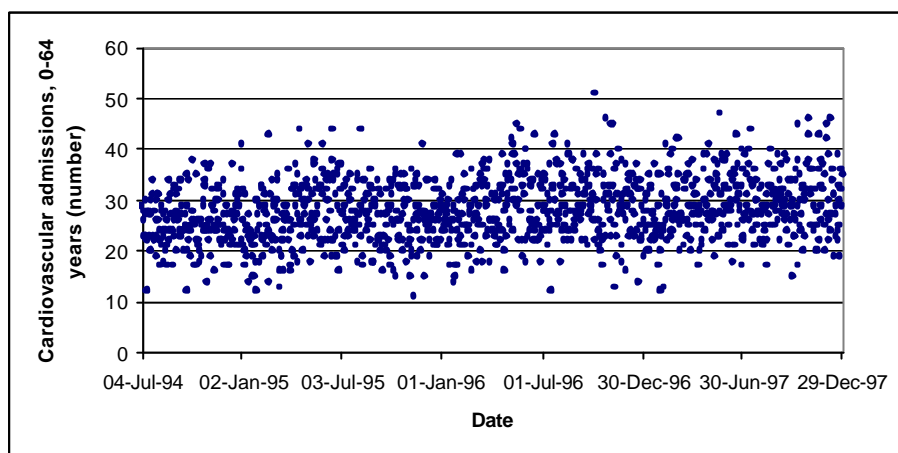


Figure A3.7 Time series: Hospital admissions for cardiovascular disease, 0-64 years, Melbourne, July 1994-December 1997

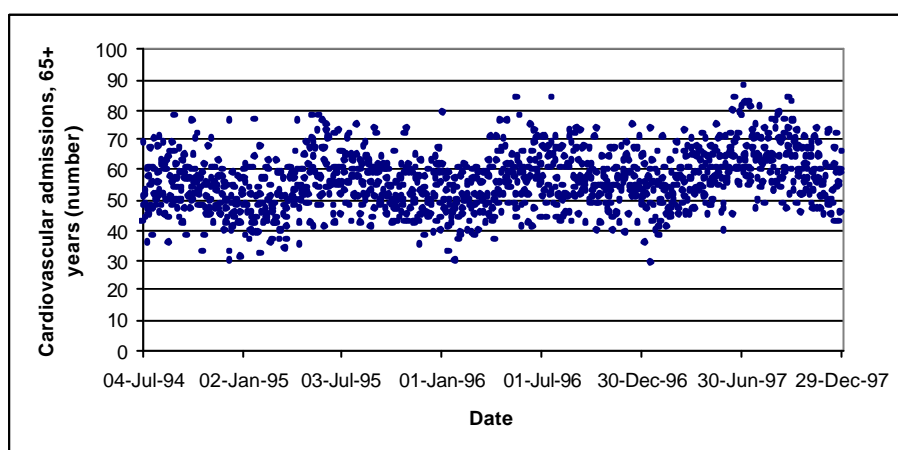


Figure A3.8 Time series: Hospital admissions for cardiovascular disease, 65+ years, Melbourne, July 1994-December 1997

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

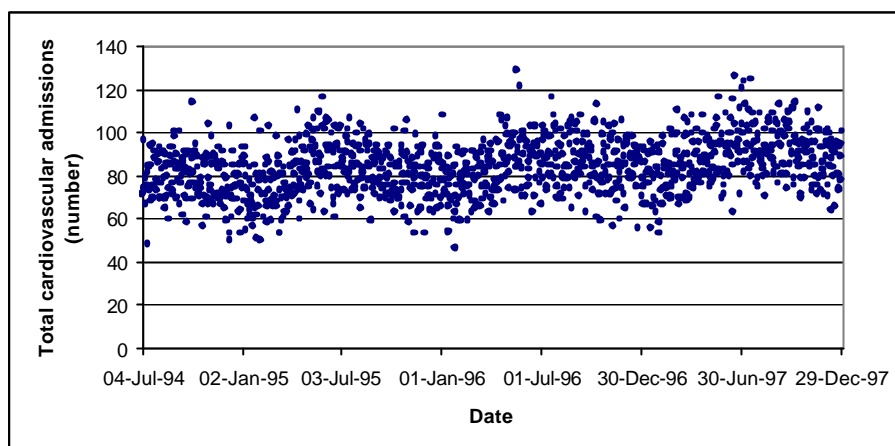


Figure A3.9 Time series: Hospital admissions for cardiovascular disease, all ages, Melbourne, July 1994-December 1997

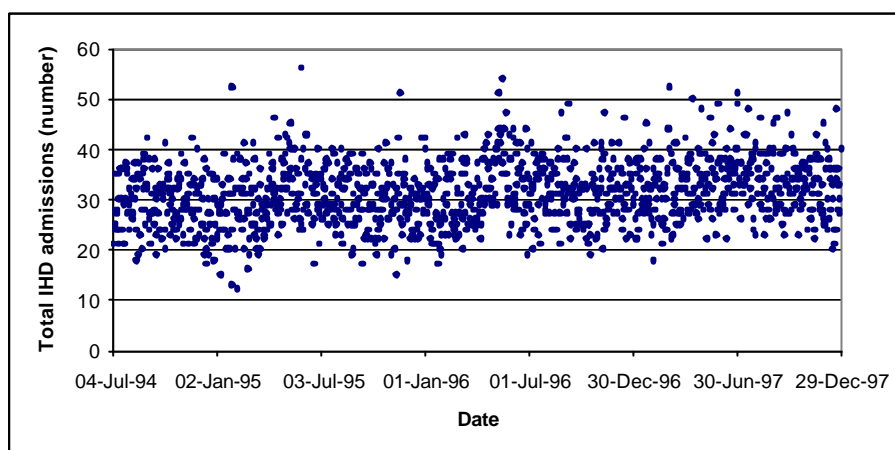


Figure A3.10 Time series: Hospital admissions for ischaemic heart disease, all ages, Melbourne, July 1994-December 1997

APPENDIX B: RESULTS

B₁ SINGLE-POLLUTANT
MODELS

B₂ MULTI-POLLUTANT
MODELS

B₃ BASE MODELS

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

APPENDIX B1: SINGLE POLLUTANT MODELS

Table B1.1 Parameter estimates, standard errors and relative risk of admission (with 95% confidence intervals) for asthma, 0-14 years

Outcome	Pollutant	Whole year models				Cool Season				Warm Season					
		Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk		
Asthma 0-14	Av 24h bsp	0.1381	0.0394	3.50	1.1481	1.0628	1.2403	1.0481	1.1401	0.1932	0.1059	1.82	1.2151	0.9857	1.4980
	Lag 1	0.0419	0.0386	1.08	1.0428	0.9668	1.1247	0.9763	1.0610	-0.0714	0.1134	-0.63	0.9311	1.1628	0.7455
	Lag 2	0.0263	0.0368	0.69	1.0256	0.9543	1.1023	0.9578	1.0351	-0.0508	0.1165	-0.44	0.9505	0.7564	1.1943
	3 day av.	0.1065	0.0454	2.35	1.1124	1.0177	1.2159	1.0712	1.1195	0.0538	0.1388	0.39	1.0553	0.8039	1.3852
	5 day av.	0.0999	0.05059	1.97	1.1051	1.0007	1.2203	0.9818	1.0935	0.2521	0.16	1.58	1.2867	0.9404	1.7607
	Max 1h bsp	0.0575	0.0184	2.96	1.0592	1.0197	1.1002	1.0162	1.0614	0.0557	0.0433	1.28	1.0573	0.9713	1.1509
	Lag 1	0.0196	0.0189	1.03	1.0198	0.9927	1.0583	0.9970	1.0391	-0.0577	0.0468	-1.23	0.9439	0.8612	1.0346
	Lag 2	0.0217	0.0178	1.21	1.0219	0.9869	1.0582	0.9905	1.0301	-0.0189	0.047	-0.40	0.9613	0.8949	1.0760
	3 day av.	0.0568	0.0228	2.49	1.0584	1.0122	1.1068	1.0193	1.0715	-0.0113	0.0613	-0.18	0.9888	0.8768	1.1150
	5 day av.	0.0612	0.0254	2.41	1.0631	1.0115	1.1174	1.0080	1.0659	0.0641	0.0728	0.88	1.0682	0.9244	1.2297
	Av 24h NO2	0.0084	0.0023	3.70	1.0084	1.0039	1.0130	1.0037	1.0152	0.0073	0.004	1.84	1.0073	0.9985	1.0153
	Lag 1	0.0032	0.0022	1.46	1.0032	0.9889	1.0075	1.0003	1.0058	-0.0017	0.0041	-0.42	0.9983	0.9903	1.0064
	Lag 2	0.0027	0.0021	1.29	1.0027	0.9886	1.0088	0.9971	1.0024	0.0048	0.0044	1.08	1.0048	0.9962	1.0135
	3 day av.	0.0096	0.0027	3.55	1.0096	1.0043	1.0150	1.0037	1.0176	0.0074	0.0074	1.28	1.0074	0.9962	1.1583
	5 day av.	0.0117	0.003	3.88	1.0118	1.0058	1.0177	1.0002	1.0180	0.0281	0.0073	3.86	1.0285	1.0139	1.0433
Max 1h NO2	0.0024	0.0018	2.05	1.0024	1.0001	1.0047	1.0000	1.0067	0.0017	0.0017	1.02	1.0017	0.9984	1.0050	
Lag 1	0.0004	0.0012	0.36	1.0004	0.9980	1.0028	0.9983	1.0045	-0.0005	0.0018	-0.29	0.9995	0.9960	1.0030	
Lag 2	0.0018	0.0011	1.59	1.0018	0.9996	1.0040	0.9977	1.0039	0.0042	0.0019	2.15	1.0042	1.0005	1.0080	
3 day av.	0.0034	0.0015	2.21	1.0034	1.0005	1.0064	0.9993	1.0079	0.0034	0.0025	1.37	1.0034	0.9985	1.0083	
5 day av.	0.0048	0.0018	2.67	1.0048	1.0013	1.0084	0.9962	1.0064	0.0114	0.0032	3.62	1.0115	1.0051	1.0178	
Av 8h O3	0.0003	0.0011	0.25	1.0003	0.9981	1.0025	0.9975	1.0036	0.0025	0.001318	1.92	1.0025	0.9999	1.0051	
Lag 1	-0.0029	0.0012	-1.92	0.9978	0.9955	1.0002	-0.0081	0.9919	-0.0024	0.0014	-0.16	0.9998	0.9971	1.0025	
Lag 2	-0.0002	0.0014	-0.65	0.9991	0.9964	1.0018	-0.0072	0.9928	0.0023	0.0016	1.41	1.0023	0.9992	1.0055	
3 day av.	-0.0018	0.0015	-1.17	0.9982	0.9953	1.0011	-0.013	0.9871	0.0027	0.0018	1.48	1.0027	0.9992	1.0062	
5 day av.	-0.0006	0.0018	-0.03	0.9999	0.9964	1.0035	-0.0125	0.9876	0.0072	0.0023	3.11	1.0072	1.0027	1.0118	
Av 4h O3	0.0008	0.001	0.82	1.0008	0.9988	1.0028	-0.0046	0.9954	0.0022	0.0011	1.99	1.0022	1.0000	1.0044	
Lag 1	-0.0015	0.0014	-1.45	0.9985	0.9965	1.0005	-0.0062	0.9938	-0.0022	0.0012	-0.21	0.9998	0.9975	1.0022	
Lag 2	-0.0002	0.0012	-0.06	0.9998	0.9975	1.0022	-0.0057	0.9943	0.0016	0.0014	1.21	1.0016	0.9989	1.0044	
3 day av.	-0.0006	0.0014	-0.43	0.9994	0.9967	1.0021	-0.0105	0.9896	0.0022	0.0016	1.43	1.0022	0.9991	1.0054	
5 day av.	0.0014	0.0017	0.87	1.0014	0.9981	1.0047	-0.0109	0.9959	0.0062	0.0019	3.22	1.0062	1.0025	1.0100	
Max 1h O3	0.001	0.0009	1.11	1.0010	0.9992	1.0028	-0.0041	0.9929	0.002	0.001	2.07	1.0020	1.0000	1.0040	
Lag 1	-0.001	0.0009	-1.08	0.9990	0.9972	1.0008	-0.0051	0.9949	-0.0002	0.001	-0.15	0.9998	0.9978	1.0018	
Lag 2	0.0001	0.0011	0.09	1.0001	0.9979	1.0023	-0.0051	0.9949	0.0014	0.0012	1.16	1.0014	0.9990	1.0038	
3 day av.	0.00002	0.0012	0.02	1.0000	0.9977	1.0024	-0.0094	0.9906	0.0021	0.0014	1.51	1.0021	0.9994	1.0049	
5 day av.	0.0021	0.0015	1.37	1.0021	0.9992	1.0051	-0.0102	0.9889	0.0056	0.0017	3.34	1.0056	1.0023	1.0090	
Av 8h CO	0.034	0.0131	2.59	1.0346	1.0615	1.0615	0.0351	1.0357	0.0311	0.0475	0.66	1.0316	0.9399	1.1322	
Lag 1	0.0213	0.013	1.64	1.0215	0.9858	1.0479	0.0286	1.0286	0.0311	0.0475	0.66	1.0316	0.9399	1.1322	
Lag 2	0.0251	0.012	2.09	1.0254	1.0016	1.0498	0.0286	1.0286	0.0311	0.0475	0.66	1.0316	0.9399	1.1322	
3 day av.	0.0568	0.0162	3.63	1.0606	1.0274	1.0948	0.0601	1.0619	0.0155	0.0466	1.10	1.0528	0.9609	1.1535	
5 day av.	0.0546	0.0176	3.10	1.0661	1.0203	1.0932	0.0462	1.0619	0.0155	0.0466	1.10	1.0528	0.9609	1.1535	
Max 1h CO	0.0168	0.0085	1.98	1.0169	1.0001	1.0340	0.0199	1.0201	0.0168	0.0092	2.16	1.0201	0.9883	1.0461	
Lag 1	0.0109	0.0082	1.32	1.0110	0.9948	1.0273	0.0165	1.0187	0.0011	0.0011	1.0011	1.0187	0.9962	1.0050	
Lag 2	0.0156	0.0077	2.03	1.0157	1.0005	1.0312	0.0132	1.0133	0.0391	0.0252	1.55	1.0399	0.9888	1.0925	
3 day av.	0.0305	0.0105	2.91	1.0310	1.0100	1.0524	0.0366	1.0373	-0.012	0.0357	-0.34	0.9881	0.9213	1.0597	
5 day av.	0.033	0.0114	2.89	1.0336	1.0107	1.0589	0.0284	1.0373	0.0653	0.0431	1.98	1.0689	1.0008	1.1850	

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

Table B1.3 Parameter estimates, standard errors and relative risk of admission (with 95% confidence intervals) for respiratory admissions, 0-14 years

Pollutant	Whole year models				Cool Season				Warm Season			
	Parameter estimate	Standard error	t-statistic	Relative risk	Lower CI	Upper CI	Parameter estimate	Standard error	t-statistic	Relative risk	Lower CI	Upper CI
Av 24h bsp	-0.006	0.0257	-0.23	0.9940	0.9452	1.0454	-0.0002	0.0272	-0.01	0.9998	0.9479	1.0545
Lag 1	-0.0025	0.0248	-0.10	0.9975	0.9502	1.0472	0.0114	0.0262	0.44	1.0115	0.9608	1.0648
Lag 2	-0.0191	0.024	-0.79	0.9811	0.9360	1.0283	-0.0126	0.0253	-0.50	0.9875	0.9397	1.0377
3 day av.	-0.0152	0.0286	-0.51	0.9849	0.9294	1.0437	-0.0017	0.0313	-0.06	0.9863	0.9389	1.0615
5 day av.	-0.014	0.0332	-0.42	0.9861	0.9240	1.0524	-0.0077	0.0353	-0.22	0.9923	0.9260	1.0634
Max 1h bsp	-0.006	0.0125	-0.48	0.9940	0.9700	1.0187	-0.0011	0.014	-0.09	0.9869	0.9719	1.0267
Lag 1	-0.0012	0.0122	-0.10	0.9888	0.9752	1.0230	0.0103	0.0133	0.78	1.0104	0.9844	1.0370
Lag 2	-0.0029	0.0117	-0.25	0.9971	0.9745	1.0202	-0.0009	0.0127	-0.07	0.9991	0.9745	1.0243
3 day av.	-0.0056	0.015	-0.37	0.9944	0.9656	1.0241	0.0047	0.0162	0.29	1.0047	0.9733	1.0371
5 day av.	0.0008	0.0168	0.05	1.0008	0.9684	1.0343	0.0081	0.0182	0.44	1.0081	0.9728	1.0447
Av 24h NO2	0.0032	0.0015	2.09	1.0032	1.0003	1.0062	0.0039	0.0018	2.14	1.0039	1.0004	1.0075
Lag 1	0.0024	0.0015	1.62	1.0024	0.9995	1.0054	0.0039	0.0018	2.17	1.0039	1.0004	1.0075
Lag 2	0.0019	0.0015	1.34	1.0019	0.9990	1.0049	0.0021	0.0017	1.20	1.0021	0.9988	1.0054
3 day av.	0.005	0.0019	2.65	1.0050	1.0013	1.0088	0.0063	0.0023	2.79	1.0063	1.0018	1.0109
5 day av.	0.0079	0.0021	3.68	1.0079	1.0038	1.0121	0.0065	0.0026	2.52	1.0065	1.0014	1.0117
Max 1h NO2	0.0003	0.0008	0.36	1.0003	0.9992	1.0024	0.0011	0.0011	1.04	1.0011	0.9989	1.0033
Lag 1	0.0003	0.0008	0.42	1.0003	0.9987	1.0019	0.0008	0.0011	0.77	1.0008	0.9986	1.0030
Lag 2	0.0007	0.0008	0.84	1.0007	0.9991	1.0023	0.0005	0.001	0.48	1.0005	0.9985	1.0025
3 day av.	0.0013	0.0011	1.16	1.0013	0.9991	1.0035	0.0017	0.0014	1.17	1.0017	0.9990	1.0045
5 day av.	0.0025	0.00133	1.91	1.0025	0.9999	1.0051	0.001	0.0017	0.59	1.0010	0.9977	1.0043
Av 8h O3	-0.0015	0.0008	-1.93	0.9865	0.9669	1.0001	-0.0061	0.0012	-4.96	0.9839	0.9916	0.9963
Lag 1	-0.0014	0.0008	-1.72	0.9866	0.9970	1.0002	-0.0049	0.0012	-3.96	0.9951	0.9928	0.9975
Lag 2	-0.0006	0.0009	-0.67	0.9894	0.9976	1.0012	-0.0036	0.0012	-2.91	0.9864	0.9941	0.9988
3 day av.	-0.0024	0.001	-2.30	0.9976	0.9956	0.9996	-0.0092	0.0014	-6.32	0.9908	0.9881	0.9936
5 day av.	-0.0023	0.0012	-1.83	0.9977	0.9954	1.0001	-0.0105	0.0016	-6.66	0.9896	0.9865	0.9927
Av 4h O3	-0.0011	0.0007	-1.54	0.9869	0.9975	1.0003	-0.0055	0.0012	-4.48	0.9945	0.9922	0.9969
Lag 1	-0.0009	0.0007	-1.20	0.9861	0.9977	1.0005	-0.0037	0.0012	-2.99	0.9863	0.9940	0.9987
Lag 2	-0.0004	0.0008	-0.05	1.0000	0.9884	1.0015	-0.0025	0.0012	-2.01	0.9975	0.9952	0.9999
3 day av.	-0.0008	0.0006	-0.84	0.9866	0.9966	1.0006	-0.0032	0.0012	-2.59	0.9868	0.9945	0.9992
5 day av.	-0.0008	0.0012	-0.70	0.9892	0.9869	1.0016	-0.0093	0.0016	-5.74	0.9907	0.9876	0.9939
Max 1h O3	-0.0008	0.0006	-1.18	0.9862	0.9880	1.0004	-0.0055	0.0013	-4.35	0.9945	0.9920	0.9971
Lag 1	-0.0006	0.0007	-0.84	0.9864	0.9985	1.0016	-0.0024	0.0012	-1.90	0.9876	0.9953	1.0000
Lag 2	-0.0009	0.0009	-1.07	0.9891	0.9973	1.0009	-0.0074	0.0015	-4.87	0.9926	0.9897	0.9955
3 day av.	-0.0002	0.0011	-0.17	0.9898	0.9976	1.0020	-0.0033	0.0017	-1.57	0.9907	0.9874	0.9940
5 day av.	-0.0037	0.0084	-0.44	0.9863	0.9800	1.0128	-0.0024	0.0087	-0.28	0.9976	0.9807	1.0148
Av 8h CO	0.0082	0.0085	0.97	1.0082	0.9916	1.0252	0.0146	0.0088	1.66	1.0147	0.9974	1.0324
Lag 1	0.0012	0.0079	0.15	1.0012	0.9858	1.0168	0.0023	0.0083	0.28	1.0023	0.9861	1.0187
3 day av.	0.0043	0.0109	0.40	1.0043	0.9831	1.0260	0.0107	0.0114	0.94	1.0108	0.9884	1.0336
5 day av.	0.0055	0.0119	0.46	1.0055	0.9823	1.0292	0.0069	0.0127	0.54	1.0069	0.9822	1.0323
Max 1h CO	0.0056	0.0054	1.03	1.0056	0.9950	1.0163	0.0112	0.0057	1.97	1.0113	1.0000	1.0226
Lag 1	0.0009	0.0051	0.17	1.0009	0.9909	1.0110	0.0014	0.0054	0.26	1.0014	0.9909	1.0121
Lag 2	0.0022	0.0071	0.31	1.0022	0.9884	1.0162	0.0071	0.0075	0.94	1.0071	0.9824	1.0220
3 day av.	0.0057	0.0078	0.73	1.0057	0.9905	1.0212	0.0062	0.0085	0.73	1.0062	0.9896	1.0231
5 day av.	0.0075	0.0085	0.88	1.0075	0.9925	1.0245	0.0085	0.0095	0.88	1.0075	0.9945	1.0275

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

Table B1.4 Parameter estimates, standard errors and relative risk of admission (with 95% confidence intervals) for respiratory admissions, 15-64 years

Outcome	Pollutant	Whole year models				Cool Season				Warm Season					
		Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk		
Respiratory 15-64	AV 24h bsp	0.0515	0.0283	1.82	1.0528	1.1129	0.9960	1.1129	0.9960	1.1210	0.0882	0.0828	1.0389	0.8833	1.2220
	Lag 1	0.0559	0.0269	2.08	1.0575	1.1147	1.0032	1.1147	1.0060	1.1258	0.0251	0.0852	1.0254	0.8677	1.2118
	Lag 2	0.0437	0.0284	1.85	1.0447	0.9920	1.001	0.9920	0.9906	1.1068	0.0548	0.0849	0.64	1.0563	0.8944
	3 day av.	0.0755	0.0324	2.33	1.0784	1.1491	1.0121	1.1491	1.0125	1.1600	0.0645	0.1059	0.61	1.0666	0.8667
	5 day av.	0.077	0.0372	2.07	1.0800	1.041	1.1617	1.041	1.0683	1.1786	0.0439	0.1286	0.35	1.0449	0.8153
	Max 1h bsp	0.0324	0.0138	2.35	1.0329	1.0054	1.0613	1.0054	1.0120	1.0745	-0.0068	0.0348	-0.19	0.9932	0.9277
	Lag 1	0.0272	0.013	2.10	1.0276	1.0017	1.0541	1.0017	1.0060	1.0640	-0.0021	0.0353	-0.06	0.9979	0.9312
	Lag 2	0.0117	0.0127	0.92	1.0118	0.9869	1.0373	0.9869	0.9883	1.0441	-0.0012	0.0354	-0.03	0.9988	0.9318
	3 day av.	0.0376	0.016	2.35	1.0383	1.0063	1.0714	1.0063	1.0124	1.0847	-0.0068	0.0473	-0.14	0.9932	0.9053
	5 day av.	0.0365	0.0184	1.98	1.0372	1.0004	1.0753	1.0004	1.0093	1.0924	-0.0323	0.0579	-0.56	0.9682	0.8643
	AV 24h NO₂	0.0041	0.0016	2.54	1.0041	1.0073	1.0073	1.0073	1.0056	1.0096	0.0017	0.0028	0.61	1.0017	0.9962
	Lag 1	0.0035	0.0015	2.33	1.0035	1.0008	1.0008	1.0008	1.0046	1.0009	0.0017	0.0029	0.58	1.0017	0.9960
	Lag 2	0.0036	0.0015	2.45	1.0036	1.0066	1.0066	1.0066	1.0008	1.0083	0.0023	0.0029	0.81	1.0023	0.9966
	3 day av.	0.0067	0.0019	3.57	1.0067	1.0030	1.0105	1.0030	1.0085	1.0133	0.0035	0.0038	0.91	1.0035	0.9961
	5 day av.	0.0084	0.0021	3.92	1.0084	1.0043	1.0126	1.0043	1.0054	1.0165	0.0041	0.0046	0.88	1.0041	0.9951
Max 1h NO₂	0.0023	0.0008	2.76	1.0023	1.0007	1.0039	1.0007	1.0036	1.0012	0.0011	0.0012	0.88	1.0011	0.9987	
Lag 1	0.0015	0.0008	1.90	1.0015	0.9989	1.0031	0.9989	1.0019	0.9997	0.0013	0.0013	1.08	1.0013	0.9988	
Lag 2	0.0017	0.0008	2.10	1.0017	1.0001	1.0033	1.0001	1.0018	1.0040	0.0018	0.0018	1.44	1.0018	0.9984	
3 day av.	0.0035	0.0011	3.30	1.0035	1.0013	1.0057	1.0013	1.0044	1.0074	0.0027	0.0017	1.63	1.0027	0.9994	
5 day av.	0.0045	0.0013	3.62	1.0045	1.0020	1.0071	1.0020	1.0081	1.0097	0.0032	0.0021	1.56	1.0032	0.9991	
AV 8h O₃	-0.0004	0.0008	-0.43	0.9996	0.9980	1.0012	-0.0036	0.0014	-2.65	0.9964	0.0007	0.74	1.0007	0.9987	
Lag 1	0.00002	0.0008	0.02	1.0000	0.9985	1.0016	-0.0036	0.0014	-2.62	0.9984	0.0014	1.31	1.0014	0.9994	
Lag 2	0.0003	0.0008	0.39	1.0003	0.9987	1.0019	-0.0027	0.0013	-2.00	0.9973	0.0014	1.42	1.0014	0.9994	
3 day av.	-0.0002	0.001	-0.02	1.0000	0.9980	1.0019	-0.0056	0.0016	-3.51	0.9944	0.0023	1.60	1.0023	0.9996	
5 day av.	-0.0007	0.0012	-0.62	0.9993	0.9970	1.0017	-0.0076	0.0017	-4.38	0.9924	0.0023	1.42	1.0023	0.9992	
AV 4h O₃	-0.00009	0.0007	-0.13	0.9999	0.9985	1.0013	-0.003	0.0013	-2.21	0.9970	0.0007	0.79	1.0007	0.9991	
Lag 1	0.0001	0.0007	0.16	1.0001	0.9987	1.0015	-0.0029	0.0013	-2.15	0.9971	0.0009	1.16	1.0010	0.9992	
Lag 2	0.0005	0.0007	0.88	1.0005	0.9991	1.0019	-0.0017	0.0013	-1.30	0.9983	0.0009	1.31	1.0011	0.9993	
3 day av.	0.0005	0.0009	0.54	1.0005	0.9985	1.0021	-0.0045	0.0016	-2.76	0.9958	0.0018	1.53	1.0018	0.9996	
5 day av.	-0.0003	0.0011	-0.23	0.9997	0.9975	1.0019	-0.0061	0.0018	-3.45	0.9939	0.0005	0.61	1.0005	0.9991	
Max 1h O₃	0.00003	0.0006	0.05	1.0000	0.9987	1.0011	-0.0017	0.0013	-1.23	0.9970	0.0007	0.79	1.0007	0.9991	
Lag 1	0.00003	0.0007	0.05	1.0000	0.9987	1.0014	-0.0029	0.0014	-2.15	0.9971	0.0009	1.31	1.0011	0.9993	
Lag 2	0.0005	0.0007	0.70	1.0005	0.9991	1.0019	-0.0017	0.0014	-1.19	0.9983	0.0009	1.22	1.0009	0.9993	
3 day av.	0.002	0.0009	0.27	1.0002	0.9984	1.0020	-0.0045	0.0017	-2.75	0.9955	0.0013	1.29	1.0013	0.9993	
5 day av.	-0.0003	0.001	-0.30	0.9997	0.9977	1.0017	-0.0063	0.0018	-3.42	0.9937	0.0012	0.95	1.0012	0.9998	
AV 8h CO	0.0231	0.0084	2.45	1.0234	1.0047	1.0424	0.0273	0.0098	2.79	1.0277	0.0081	0.47	0.9778	0.9140	
Lag 1	0.0199	0.0089	2.23	1.0201	1.0025	1.0381	0.0215	0.0094	2.28	1.0217	0.0081	0.47	0.9778	0.9140	
Lag 2	0.0089	0.0085	1.05	1.0089	0.9923	1.0259	0.0109	0.009	1.20	1.0110	0.0093	0.36	1.0125	0.9468	
3 day av.	0.0323	0.0115	2.81	1.0328	1.0088	1.0564	0.0373	0.0123	3.04	1.0380	0.0133	0.60	0.9999	0.9354	
5 day av.	0.0338	0.0128	2.64	1.0344	1.0088	1.0607	0.0412	0.0139	2.96	1.0421	0.0141	0.71	0.9915	0.8629	
Max 1h CO	0.0154	0.0061	2.54	1.0155	1.0034	1.0277	0.0179	0.0064	2.78	1.0181	0.0054	0.34	0.9640	0.8855	
Lag 1	0.012	0.0056	2.14	1.0121	1.0010	1.0232	0.013	0.0061	2.14	1.0131	0.0010	0.54	1.0099	0.9746	
Lag 2	0.0031	0.0054	0.58	1.0031	0.9925	1.0138	0.005	0.0059	0.85	1.0050	0.0035	0.54	1.0099	0.9746	
3 day av.	0.0193	0.0073	2.63	1.0195	1.0050	1.0342	0.0225	0.008	2.81	1.0228	0.0013	0.05	0.9951	0.9300	
5 day av.	0.0208	0.0082	2.54	1.0210	1.0047	1.0376	0.026	0.0092	2.84	1.0263	0.0013	0.05	0.9951	0.9300	

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

Table B1.6 Parameter estimates, standard errors and relative risk of admission (with 95% confidence intervals) for respiratory admissions, all ages

Outcome	Pollutant	Whole year models				Cool Season				Warm Season					
		Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk		
Total respiratory	Av 24h bsp	0.0236	0.0158	1.49	1.0239	0.9927	1.0561	0.9938	1.0610	0.0473	0.0484	0.98	1.0484	0.9535	1.1528
	Lag 1	0.0192	0.0149	1.29	1.0194	0.9900	1.0496	0.9914	1.0551	0.0484	0.048	1.69	1.0846	0.9872	1.1916
	Lag 2	0.0052	0.0146	0.36	1.0052	0.9769	1.0344	0.9810	1.0425	0.0724	0.047	1.54	1.0751	0.9805	1.1788
	3 day av.	0.0246	0.0181	1.36	1.0249	0.9892	1.0619	0.9930	1.0706	0.119	0.0599	1.99	1.1264	1.0016	1.2667
	5 day av.	0.0266	0.0205	1.30	1.0270	0.9865	1.0691	0.9903	1.0795	0.2142	0.0692	3.10	1.2389	1.0017	1.4188
	Max 1h bsp	0.0118	0.0077	1.53	1.0119	0.9967	1.0273	1.0010	1.0345	0.0008	0.0203	0.04	1.0008	0.9618	1.0414
	Lag 1	0.0077	0.0072	1.07	1.0077	0.9936	1.0221	0.9964	1.0278	0.0174	0.0198	0.88	1.0176	0.9788	1.0578
	Lag 2	0.0014	0.007	0.20	1.0014	0.9878	1.0152	0.9909	1.0209	0.0188	0.0194	0.97	1.0190	0.9810	1.0585
	3 day av.	0.0114	0.009	1.27	1.0115	0.9938	1.0295	0.9996	1.0387	0.0252	0.0267	0.94	1.0255	0.9732	1.0806
	5 day av.	0.0141	0.0102	1.39	1.0142	0.9941	1.0347	1.0024	1.0450	0.0653	0.0318	2.06	1.0675	1.0030	1.1361
	Av 24h NO2	0.0031	0.0009	3.33	1.0031	1.0013	1.0049	1.0021	1.0065	0.0021	0.0018	1.17	1.0021	0.9986	1.0056
	Lag 1	0.0026	0.0008	3.09	1.0026	1.0010	1.0036	1.0013	1.0038	0.0036	0.0017	2.09	1.0036	1.0003	1.0070
	Lag 2	0.0025	0.0008	2.96	1.0025	1.0009	1.0041	1.0009	1.0049	0.0044	0.0017	2.59	1.0044	1.0011	1.0078
	3 day av.	0.0054	0.0011	4.97	1.0054	1.0032	1.0076	1.0063	1.0089	0.0073	0.0024	3.01	1.0073	1.0026	1.0121
	5 day av.	0.0078	0.0012	6.32	1.0078	1.0055	1.0102	1.0082	1.0112	0.0128	0.003	4.23	1.0129	1.0069	1.0189
Max 1h NO2	0.0016	0.0005	3.23	1.0016	1.0006	1.0026	1.0010	1.0038	0.0011	0.0007	1.47	1.0011	0.9997	1.0025	
Lag 1	0.0013	0.0005	2.76	1.0013	1.0003	1.0023	1.0014	1.0002	0.0019	0.0007	2.62	1.0019	1.0005	1.0033	
Lag 2	0.0014	0.0005	3.13	1.0014	1.0004	1.0024	1.0013	1.0001	0.0025	0.0007	3.45	1.0025	1.0011	1.0039	
3 day av.	0.0043	0.0007	5.80	1.0043	1.0029	1.0057	1.0045	1.0065	0.004	0.001	3.84	1.004	1.0020	1.0060	
5 day av.	-0.0004	0.0005	-0.78	0.9866	0.9866	1.0006	-0.0035	0.0007	0.007	0.006	1.20	1.0007	0.9955	1.0090	
Av 8h O3	0.0002	0.0005	0.50	1.0002	0.9992	1.0012	0.9974	0.9988	0.0012	0.0006	2.10	1.0012	1.0002	1.0024	
Lag 1	0.0014	0.0004	3.21	1.0014	1.0006	1.0022	1.0006	1.0022	0.0042	0.000725	5.32	1.0042	1.0009	1.0035	
Lag 2	0.0009	0.0006	1.50	1.0009	0.9997	1.0021	0.9937	0.9972	0.0023	0.0008	3.66	1.0028	1.0012	1.0044	
3 day av.	0.0014	0.0006	2.23	1.0014	1.0002	1.0026	1.0006	1.0026	0.0046	0.0009	4.35	1.0039	1.0017	1.0057	
5 day av.	0.0014	0.0006	2.23	1.0014	1.0002	1.0026	1.0006	1.0026	-0.0057	0.0009	-6.12	0.9961	1.0021	1.0044	
Av 4h O3	-0.0001	0.0004	-0.25	0.9999	0.9991	1.0007	-0.0028	0.0007	-0.0028	0.0007	-3.88	0.9972	0.9986	1.0016	
Lag 1	0.0003	0.0004	0.76	1.0003	0.9995	1.0011	-0.0019	0.0007	-0.0019	0.0007	-2.57	0.9981	0.9995	1.0019	
Lag 2	0.0014	0.0004	3.61	1.0014	1.0006	1.0022	-0.0005	0.0007	-0.0005	0.0007	-0.70	0.9985	0.9981	1.0009	
3 day av.	0.0011	0.0005	2.13	1.0011	1.0001	1.0021	-0.0033	0.0009	-0.0033	0.0009	-3.80	0.9967	0.9949	0.9985	
5 day av.	0.0018	0.0006	3.07	1.0018	1.0006	1.0030	-0.0042	0.001	-0.0042	0.001	-4.37	0.9958	0.9939	0.9978	
Max 1h O3	-0.0004	0.0004	-1.00	1.0000	0.9992	1.0007	-0.0027	0.0007	-0.0027	0.0007	-3.60	0.9973	0.9959	0.9987	
Lag 1	0.0003	0.0004	0.71	1.0003	0.9995	1.0011	-0.0017	0.0007	-0.0017	0.0007	-2.33	0.9983	0.9969	0.9997	
Lag 2	0.0013	0.0004	3.57	1.0013	1.0005	1.0021	-0.0003	0.0007	-0.0003	0.0007	-0.46	0.9997	0.9981	1.0011	
3 day av.	0.0011	0.0005	2.18	1.0011	1.0001	1.0021	-0.0031	0.0009	-0.0031	0.0009	-3.45	0.9989	0.9951	0.9987	
5 day av.	0.0017	0.0006	3.12	1.0017	1.0005	1.0029	-0.0039	0.001	-0.0039	0.001	-3.95	0.9961	0.9942	0.9981	
Av 8h CO	0.0058	0.0052	1.11	1.0058	0.9956	1.0161	0.0083	0.0054	0.0083	0.0054	1.54	1.0083	0.9977	1.0191	
Lag 1	0.0009	0.005	1.81	1.0009	0.9992	1.0190	0.0122	0.0052	0.0122	0.0052	2.34	1.0123	1.0020	1.0226	
Lag 2	0.0007	0.0047	0.16	1.0007	0.9915	1.0100	0.003	0.0049	0.003	0.0049	0.61	1.0030	0.9934	1.0127	
3 day av.	0.0108	0.0065	1.67	1.0109	0.9981	1.0238	0.016	0.0068	0.016	0.0068	2.34	1.0161	1.0027	1.0298	
5 day av.	0.012	0.0072	1.66	1.0121	0.9979	1.0265	0.02	0.0078	0.02	0.0078	2.57	1.0202	1.0047	1.0359	
Max 1h CO	0.0047	0.0034	1.39	1.0047	0.9980	1.0114	0.006	0.0035	0.006	0.0035	1.70	1.0060	0.9991	1.0129	
Lag 1	0.0052	0.0031	1.64	1.0052	0.9991	1.0113	0.0073	0.0034	0.0073	0.0034	2.18	1.0073	1.0006	1.0141	
Lag 2	0.002	0.003	0.67	1.0020	0.9961	1.0079	0.0033	0.0032	0.0033	0.0032	1.02	1.0033	0.9970	1.0096	
3 day av.	0.0086	0.0042	2.05	1.0086	1.0004	1.0170	0.0115	0.0045	0.0115	0.0045	2.56	1.0116	1.0027	1.0205	
5 day av.	0.01	0.0046	2.15	1.0101	1.0010	1.0192	0.0141	0.0051	0.0141	0.0051	2.76	1.0142	1.0041	1.0244	

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

Table B1.7 Parameter estimates, standard errors and relative risk of admission (with 95% confidence intervals) for cardiovascular admissions, 0-64 years

Outcome	Pollutant	Whole year models				Cool Season				Warm Season					
		Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk		
Cardiovascular 0-64	Av 24h hsp	0.0415	0.0238	1.75	1.0424	0.9849	1.0921	0.9913	1.0427	0.9913	1.0988	0.9844	1.0359	0.9151	1.1785
	Lag 1	0.0407	0.0242	1.68	1.0415	0.9933	1.0921	1.0015	1.0543	1.0015	1.1069	0.9882	1.0559	0.9151	1.1028
	Lag 2	0.0147	0.0236	0.62	1.0148	0.9889	1.0629	0.9759	1.0255	0.9759	1.0777	0.9896	1.0203	0.9151	1.0548
	3 day av.	0.0482	0.0286	1.68	1.0494	0.9922	1.1099	0.9986	1.0610	0.9986	1.1272	0.9863	1.0333	0.9151	1.1329
	5 day av.	0.0355	0.0325	1.09	1.0361	0.9722	1.1043	0.9750	1.0445	0.9750	1.1188	0.9863	1.0333	0.9151	1.1329
	Max 1h hsp	0.0188	0.0115	1.64	1.0190	0.9963	1.0422	0.9969	1.0424	0.9969	1.0486	0.9863	1.0333	0.9151	1.1329
	Lag 1	0.0172	0.0118	1.45	1.0173	0.9841	1.0412	0.9841	1.0305	0.9841	1.0577	0.9863	1.0333	0.9151	1.1329
	Lag 2	0.0069	0.0114	0.61	1.0069	0.9847	1.0297	0.9882	1.0131	0.9882	1.0366	0.9863	1.0333	0.9151	1.1329
	3 day av.	0.0231	0.0143	1.61	1.0234	0.9951	1.0525	0.9951	1.0345	0.9951	1.0672	0.9863	1.0333	0.9151	1.1329
	5 day av.	0.0087	0.0162	0.54	1.0087	0.9772	1.0413	0.9816	1.0168	0.9816	1.0534	0.9863	1.0333	0.9151	1.1329
	Av 24h NO2	0.0036	0.0013	2.75	1.0036	1.0011	1.0082	1.0005	1.0038	1.0005	1.0072	1.0028	1.0028	0.9985	1.0071
	Lag 1	0.0009	0.0013	0.71	1.0009	0.9864	1.0035	0.9864	1.0027	0.9864	1.0061	0.9864	0.9978	0.9933	1.0023
	Lag 2	0.0007	0.0013	0.52	1.0007	0.9882	1.0033	0.9882	1.0022	0.9882	1.0054	0.9864	0.9978	0.9933	1.0023
	3 day av.	0.003	0.0016	1.85	1.0030	0.9999	1.0062	0.9999	1.0050	0.9999	1.0092	0.9864	0.9978	0.9933	1.0023
	5 day av.	0.0021	0.0018	1.15	1.0021	0.9886	1.0056	0.9886	1.0036	0.9886	1.0083	0.9864	0.9978	0.9933	1.0023
Max 1h NO2	0.0013	0.0007	1.95	1.0013	0.9999	1.0027	0.9999	1.0018	0.9999	1.0038	0.9864	0.9978	0.9933	1.0023	
Lag 1	-0.0002	0.0007	-0.27	0.9998	0.9884	1.0012	0.9884	1.0011	0.9884	1.0031	0.9864	0.9978	0.9933	1.0023	
Lag 2	0.0002	0.0007	0.25	1.0002	0.9888	1.0016	0.9888	1.0011	0.9888	1.0031	0.9864	0.9978	0.9933	1.0023	
3 day av.	0.0008	0.0009	0.91	1.0008	0.9890	1.0026	0.9890	1.0026	0.9890	1.0052	0.9864	0.9978	0.9933	1.0023	
5 day av.	-0.0004	0.0006	-0.33	0.9996	0.9876	1.0016	0.9876	1.0008	0.9876	1.0039	0.9864	0.9978	0.9933	1.0023	
Av 8h O3	-0.0016	0.0007	-2.52	0.9984	0.9872	1.0000	0.9872	0.9980	0.9872	1.0030	0.9864	0.9978	0.9933	1.0023	
Lag 1	-0.0014	0.0007	-2.14	0.9986	0.9872	1.0000	0.9872	0.9974	0.9872	1.0030	0.9864	0.9978	0.9933	1.0023	
Lag 2	-0.0016	0.0007	-2.30	0.9984	0.9870	0.9988	0.9870	0.9879	0.9870	1.0003	0.9864	0.9978	0.9933	1.0023	
3 day av.	-0.0027	0.0008	-3.21	0.9973	0.9873	0.9989	0.9873	0.9963	0.9873	0.9990	0.9864	0.9978	0.9933	1.0023	
5 day av.	-0.0037	0.0009	-3.75	0.9963	0.9844	0.9983	0.9844	0.9861	0.9844	0.9932	0.9864	0.9978	0.9933	1.0023	
Av 4h O3	-0.0012	0.0006	-2.07	0.9988	0.9876	1.0000	0.9876	0.9988	0.9876	0.9990	0.9864	0.9978	0.9933	1.0023	
Lag 1	-0.0011	0.0006	-1.91	0.9989	0.9877	1.0001	0.9877	0.9974	0.9877	1.0021	0.9864	0.9978	0.9933	1.0023	
Lag 2	-0.0014	0.0006	-2.26	0.9986	0.9874	0.9988	0.9874	0.9884	0.9874	1.0006	0.9864	0.9978	0.9933	1.0023	
3 day av.	-0.0022	0.0008	-2.87	0.9978	0.9862	0.9994	0.9862	0.9974	0.9862	1.0001	0.9864	0.9978	0.9933	1.0023	
5 day av.	-0.0032	0.0009	-3.53	0.9968	0.9850	0.9986	0.9850	0.9867	0.9850	0.9996	0.9864	0.9978	0.9933	1.0023	
Max 1h O3	-0.0009	0.0005	-1.76	0.9991	0.9881	1.0001	0.9881	0.9975	0.9881	0.9999	0.9864	0.9978	0.9933	1.0023	
Lag 1	-0.0011	0.0005	-2.13	0.9989	0.9879	0.9989	0.9879	0.9972	0.9879	1.0024	0.9864	0.9978	0.9933	1.0023	
Lag 2	-0.0013	0.0005	-2.31	0.9987	0.9877	0.9997	0.9877	0.9974	0.9877	1.0021	0.9864	0.9978	0.9933	1.0023	
3 day av.	-0.002	0.0007	-2.85	0.9980	0.9866	0.9994	0.9866	0.9880	0.9866	1.0007	0.9864	0.9978	0.9933	1.0023	
5 day av.	-0.0029	0.0008	-3.49	0.9971	0.9855	0.9987	0.9855	0.9872	0.9855	0.9999	0.9864	0.9978	0.9933	1.0023	
Av 8h CO	0.0166	0.0078	2.18	1.0167	1.0017	1.0320	1.0017	1.0119	1.0017	1.0281	0.9864	0.9978	0.9933	1.0023	
Lag 1	0.0184	0.0081	2.27	1.0186	1.0025	1.0349	1.0025	1.0204	1.0025	1.0375	0.9864	0.9978	0.9933	1.0023	
Lag 2	0.0039	0.0078	0.49	1.0039	0.9887	1.0194	0.9887	1.0068	0.9887	1.0233	0.9864	0.9978	0.9933	1.0023	
3 day av.	0.0245	0.0103	2.38	1.0248	1.0043	1.0457	1.0043	1.0239	1.0043	1.0462	0.9864	0.9978	0.9933	1.0023	
5 day av.	0.0121	0.0113	1.08	1.0122	0.9900	1.0348	0.9900	1.0093	0.9900	1.0342	0.9864	0.9978	0.9933	1.0023	
Max 1h CO	0.0117	0.0049	2.40	1.0118	1.0021	1.0215	1.0021	1.0113	1.0021	1.0224	0.9864	0.9978	0.9933	1.0023	
Lag 1	0.0091	0.0052	1.75	1.0091	0.9889	1.0195	0.9889	1.0113	0.9889	1.0224	0.9864	0.9978	0.9933	1.0023	
Lag 2	0.003	0.0049	0.62	1.0030	0.9834	1.0127	0.9834	1.0048	0.9834	1.0153	0.9864	0.9978	0.9933	1.0023	
3 day av.	0.0154	0.0085	2.35	1.0155	1.0027	1.0285	1.0027	1.0152	1.0027	1.0296	0.9864	0.9978	0.9933	1.0023	
5 day av.	0.0078	0.0072	1.08	1.0078	0.9837	1.0222	0.9837	1.0065	0.9837	1.0226	0.9864	0.9978	0.9933	1.0023	

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

Table B1.9 Parameter estimates, standard errors and relative risk of admission (with 95% confidence intervals) for cardiovascular admissions, all ages

Outcome	Pollutant	Whole year models			Cool Season			Warm Season				
		Parameter estimate	Standard error	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk	Parameter estimate	Standard error	t statistic	Relative risk
Total cardiovascular	AV 24h bsp	0.0452	0.0145	1.0462	0.0452	0.0156	2.90	1.0462	0.0452	0.0156	2.90	1.0462
	Lag 1	0.0451	0.0142	3.19	0.0477	0.0151	3.17	1.0461	0.0477	0.0151	3.17	1.0461
	Lag 2	0.0168	0.0137	1.22	0.0205	0.0148	1.38	1.0207	0.0205	0.0148	1.38	1.0207
	3 day av.	0.054	0.0171	3.17	0.056	0.0182	3.08	1.0576	0.056	0.0182	3.08	1.0576
	5 day av.	0.0342	0.0192	1.78	0.0359	0.0207	1.74	1.0366	0.0359	0.0207	1.74	1.0366
	Max 1h bsp	0.0205	0.0071	2.89	0.0211	0.008	2.65	1.0213	0.0211	0.008	2.65	1.0213
	Lag 1	0.0211	0.0069	3.07	0.0251	0.0076	3.30	1.0254	0.0251	0.0076	3.30	1.0254
	Lag 2	0.0082	0.0065	1.25	0.0101	0.0073	1.38	1.0102	0.0101	0.0073	1.38	1.0102
	3 day av.	0.027	0.0085	3.18	0.0284	0.0094	3.13	1.0286	0.0284	0.0094	3.13	1.0286
	5 day av.	0.015	0.0095	1.58	0.0169	0.0106	1.60	1.0170	0.0169	0.0106	1.60	1.0170
	AV 24h NO2	0.0027	0.0008	3.48	0.0035	0.001	3.50	1.0035	0.0035	0.001	3.50	1.0035
	Lag 1	0.0021	0.0008	2.76	0.0026	0.001	2.65	1.0026	0.0026	0.001	2.65	1.0026
	Lag 2	0.002	0.0007	2.77	0.0021	0.0009	2.23	1.0021	0.0021	0.0009	2.23	1.0021
	3 day av.	0.004	0.0009	4.30	0.0047	0.0012	3.80	1.0047	0.0047	0.0012	3.80	1.0047
	5 day av.	0.0038	0.001	3.68	0.004	0.0014	2.86	1.0040	0.004	0.0014	2.86	1.0040
Max 1h NO2	0.0008	0.0004	2.08	0.0014	0.0006	2.42	1.0014	0.0014	0.0006	2.42	1.0014	
Lag 1	0.001	0.0004	2.56	0.0015	0.0006	2.70	1.0015	0.0015	0.0006	2.70	1.0015	
Lag 2	0.0009	0.0004	2.46	0.0008	0.0005	1.55	1.0008	0.0008	0.0005	1.55	1.0008	
3 day av.	0.0017	0.0005	3.41	0.0024	0.0008	3.11	1.0024	0.0024	0.0008	3.11	1.0024	
5 day av.	0.0013	0.0006	2.17	0.0017	0.0009	1.90	1.0017	0.0017	0.0009	1.90	1.0017	
AV 8h O3	-0.0012	0.0004	-3.25	-0.002	0.0007	-2.92	0.9980	-0.002	0.0007	-2.92	0.9980	
Lag 1	-0.0005	0.0004	-1.36	-0.0017	0.0007	-2.44	0.9983	-0.0017	0.0007	-2.44	0.9983	
Lag 2	-0.0002	0.0005	-0.36	-0.0022	0.0007	-3.10	0.9978	-0.0022	0.0007	-3.10	0.9978	
3 day av.	-0.0012	0.0005	-2.40	-0.0031	0.0008	-3.88	0.9989	-0.0031	0.0008	-3.88	0.9989	
5 day av.	-0.0024	0.0006	-3.76	-0.0035	0.0009	-3.98	0.9965	-0.0035	0.0009	-3.98	0.9965	
AV 4h O3	-0.0009	0.0003	-2.71	-0.00138	0.00068	-2.09	0.9986	-0.00138	0.00068	-2.09	0.9986	
Lag 1	-0.0004	0.0003	-1.21	-0.0013	0.0007	-1.91	0.9987	-0.0013	0.0007	-1.91	0.9987	
Lag 2	-0.00003	0.0004	-0.08	-0.0016	0.0007	-2.35	0.9984	-0.0016	0.0007	-2.35	0.9984	
3 day av.	-0.0009	0.00046	-1.97	-0.0024	0.0008	-2.99	0.9976	-0.0024	0.0008	-2.99	0.9976	
5 day av.	-0.0019	0.0006	-3.32	-0.003	0.0009	-3.34	0.9970	-0.003	0.0009	-3.34	0.9970	
Max 1h O3	-0.0007	0.0003	-2.48	-0.0011	0.0007	-1.65	0.9989	-0.0011	0.0007	-1.65	0.9989	
Lag 1	-0.0004	0.0003	-1.41	-0.001	0.0007	-1.53	0.9990	-0.001	0.0007	-1.53	0.9990	
Lag 2	-0.00003	0.0004	-0.08	-0.0016	0.0007	-2.35	0.9984	-0.0016	0.0007	-2.35	0.9984	
3 day av.	-0.0009	0.00046	-1.97	-0.0024	0.0008	-2.99	0.9976	-0.0024	0.0008	-2.99	0.9976	
5 day av.	-0.0019	0.0006	-3.32	-0.003	0.0009	-3.34	0.9970	-0.003	0.0009	-3.34	0.9970	
AV 8h CO	0.0138	0.0046	3.01	0.0117	0.0049	2.40	1.0118	0.0117	0.0049	2.40	1.0118	
Lag 1	0.0196	0.0046	4.24	0.0197	0.0049	4.04	1.0199	0.0197	0.0049	4.04	1.0199	
Lag 2	0.0094	0.0044	2.13	0.00915	0.0047	1.95	1.0092	0.00915	0.0047	1.95	1.0092	
3 day av.	0.0268	0.0059	4.52	0.0252	0.0064	3.97	1.0255	0.0252	0.0064	3.97	1.0255	
5 day av.	0.0214	0.0065	3.27	0.0168	0.0072	2.34	1.0189	0.0168	0.0072	2.34	1.0189	
Max 1h CO	0.0102	0.0029	3.47	0.0086	0.0032	2.69	1.0086	0.0086	0.0032	2.69	1.0086	
Lag 1	0.0102	0.0029	3.52	0.0103	0.0045	1.60	1.0103	0.0103	0.0045	1.60	1.0103	
Lag 2	0.0063	0.0028	2.24	0.006	0.003	1.98	1.0060	0.006	0.003	1.98	1.0060	
3 day av.	0.0172	0.0038	4.56	0.0159	0.0042	3.84	1.0160	0.0159	0.0042	3.84	1.0160	
5 day av.	0.0134	0.0041	3.24	0.0103	0.0047	2.21	1.0104	0.0103	0.0047	2.21	1.0104	

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

Table B1.10 Parameter estimates, standard errors and relative risk of admission (with 95% confidence intervals) for ischaemic heart disease, all ages

Outcome	Pollutant	Whole year models				Cool Season				Warm Season			
		Parameter estimate	Standard error	t statistic	Relative risk	Lower CI	Upper CI	Parameter estimate	Standard error	t statistic	Relative risk	Lower CI	Upper CI
Total IHD	Av 24h bsp	0.0612	0.0217	2.82	1.0631	1.0188	1.1093	0.0658	0.0233	2.82	1.0680	1.0203	1.1179
	Lag 1	0.0475	0.0224	2.12	1.0466	1.0036	1.0957	0.0621	0.0237	2.62	1.0641	1.0158	1.1147
	Lag 2	-0.0027	0.0233	-0.12	0.9973	0.9528	1.0439	0.0153	0.0248	0.62	1.0154	0.9672	1.0650
	3 day av.	0.0548	0.0269	2.03	1.0563	1.0021	1.1135	0.0713	0.0285	2.50	1.0739	1.0156	1.1356
	5 day av.	0.0348	0.0309	1.13	1.0534	0.9746	1.1001	0.0594	0.0331	1.80	1.0612	0.9845	1.1323
	Max 1h bsp	0.0293	0.0104	2.80	1.0237	1.0090	1.0509	0.031	0.0117	2.66	1.0315	1.0081	1.0554
	Lag 1	0.0193	0.0108	1.79	1.0195	0.9981	1.0413	0.0302	0.0119	2.55	1.0307	1.0069	1.0550
	Lag 2	-0.002	0.0112	-0.18	0.9980	0.9763	1.0202	0.0069	0.0125	0.55	1.0069	0.9826	1.0319
	3 day av.	0.0259	0.0133	1.94	1.0282	0.9998	1.0533	0.0357	0.0146	2.45	1.0363	1.0071	1.0623
	5 day av.	0.011	0.0153	0.72	1.0111	0.9812	1.0418	0.0271	0.017	1.60	1.0275	0.9938	1.0623
	Av 24h NO₂	0.0037	0.0012	3.12	1.0037	1.0013	1.0061	0.0047	0.0015	3.06	1.0047	1.0018	1.0077
	Lag 1	0.003	0.0012	2.39	1.0030	1.0006	1.0054	0.0041	0.0016	2.61	1.0041	1.0010	1.0073
	Lag 2	0.0012	0.0013	0.91	1.0012	0.9987	1.0038	0.0023	0.0016	1.43	1.0023	0.9992	1.0055
	3 day av.	0.0049	0.0016	3.08	1.0049	1.0018	1.0081	0.0064	0.002	3.22	1.0064	1.0025	1.0104
	5 day av.	0.0036	0.0017	2.08	1.0036	1.0003	1.0070	0.0061	0.0023	2.61	1.0061	1.0016	1.0107
Max 1h NO₂	0.0012201	0.0006316	1.93	1.0012	1.0000	1.0025	0.0018	0.0009	2.01	1.0018	1.0000	1.0036	
Lag 1	0.001	0.0006	1.52	1.0010	0.9998	1.0022	0.002	0.0009	2.17	1.0020	1.0002	1.0038	
Lag 2	0.0004	0.0007	0.57	1.0004	0.9990	1.0018	0.0007	0.0009	0.69	1.0007	0.9989	1.0025	
3 day av.	0.0017	0.0009	1.93	1.0017	0.9999	1.0035	0.0028	0.0012	2.27	1.0028	1.0004	1.0052	
5 day av.	0.0005	0.001	0.48	1.0005	0.9985	1.0025	0.0021	0.0015	1.40	1.0021	0.9992	1.0051	
Av 8h O₃	-0.002	0.0006	-3.34	0.9980	0.9968	0.9992	-0.0038	0.0011	-3.53	0.9962	0.9941	0.9994	
Lag 1	-0.0003	0.0006	-0.48	0.9997	0.9985	1.0009	-0.0026	0.0011	-2.41	0.9974	0.9953	0.9996	
Lag 2	-0.0009	0.0006	-1.45	0.9981	0.9979	1.0003	-0.0038	0.0011	-3.49	0.9962	0.9941	0.9984	
3 day av.	-0.0019	0.0008	-2.45	0.9981	0.9965	0.9997	-0.0053	0.0013	-4.16	0.9947	0.9922	0.9973	
5 day av.	-0.0034	0.0009	-3.71	0.9966	0.9948	0.9984	-0.0061	0.0014	-4.38	0.9939	0.9912	0.9966	
Av 4h O₃	-0.0015	0.0005	-2.86	0.9985	0.9975	0.9995	-0.0029	0.0011	-2.73	0.9971	0.9950	0.9993	
Lag 1	-0.0002	0.0005	-0.31	0.9988	0.9988	1.0008	-0.0018	0.0011	-1.70	0.9982	0.9961	1.0004	
Lag 2	-0.0007	0.0005	-1.24	0.9993	0.9983	1.0003	-0.0028	0.0011	-2.59	0.9972	0.9951	0.9994	
3 day av.	-0.0014	0.0007	-2.06	0.9966	0.9972	1.0000	-0.0041	0.0013	-3.17	0.9959	0.9934	0.9984	
5 day av.	-0.0028	0.0008	-3.33	0.9972	0.9966	0.9988	-0.005	0.0014	-3.57	0.9950	0.9923	0.9977	
Max 1h O₃	-0.0013	0.0005	-2.66	0.9967	0.9977	0.9997	-0.0024	0.0011	-2.24	0.9976	0.9955	0.9998	
Lag 1	-0.0003	0.0005	-0.55	0.9997	0.9987	1.0007	-0.0015	0.0011	-1.38	0.9985	0.9964	1.0007	
Lag 2	-0.0007	0.0005	-1.36	0.9993	0.9983	1.0003	-0.003	0.0011	-2.79	0.9970	0.9949	0.9992	
3 day av.	-0.0013	0.0006	-2.14	0.9987	0.9975	0.9999	-0.0038	0.0013	-2.93	0.9962	0.9937	0.9987	
5 day av.	-0.0026	0.0008	-3.39	0.9974	0.9958	0.9990	-0.0049	0.0014	-3.41	0.9951	0.9924	0.9978	
Av 8h CO	0.0222	0.007	3.19	1.0224	1.0085	1.0366	0.0203	0.0075	2.71	1.0205	1.0056	1.0356	
Lag 1	0.0221	0.0072	3.09	1.0223	1.0080	1.0369	0.0228	0.0076	3.02	1.0231	1.0079	1.0384	
Lag 2	0.0143	0.0076	1.87	1.0144	0.9994	1.0296	0.016	0.0079	2.01	1.0161	1.0005	1.0320	
3 day av.	0.0361	0.0093	3.88	1.0368	1.0180	1.0558	0.0354	0.0099	3.58	1.0360	1.0161	1.0563	
5 day av.	0.0248	0.0106	2.33	1.0251	1.0040	1.0466	0.025	0.0116	2.15	1.0253	1.0023	1.0489	
Max 1h CO	0.0143	0.0045	3.21	1.0144	1.0055	1.0234	0.0126	0.0049	2.59	1.0127	1.0030	1.0225	
Lag 1	0.0137	0.0046	2.99	1.0138	1.0047	1.0230	0.0139	0.0049	2.81	1.0140	1.0043	1.0238	
Lag 2	0.0072	0.0049	1.47	1.0072	0.9976	1.0169	0.009	0.0052	1.73	1.0090	0.9988	1.0191	
3 day av.	0.0224	0.006	3.72	1.0227	1.0107	1.0348	0.0222	0.0065	3.39	1.0224	1.0095	1.0356	
5 day av.	0.0157	0.0068	2.31	1.0158	1.0024	1.0295	0.0163	0.0076	2.13	1.0164	1.0014	1.0317	

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APPENDIX B 2 : MULTI-POLLUTANT MODELS

Table B2.1 Multi-pollutant models for asthma admissions, 0-14 years

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
bsp 24-hour	0.0778	0.0517	1.0809	0.9767	1.1962
NO ₂ 24-hour	0.0056	0.0030	1.0056	0.9997	1.0115
bsp 24-hour CO 8-hour	0.1243 0.0083	0.0588 0.0179	1.1324 1.0083	1.0091 0.9736	1.2707 1.0443
NO ₂ 24-hour CO 8-hour	0.0080 0.0048	0.0031 0.0182	1.0080 1.0048	1.0019 0.9696	1.0142 1.0413

Table B2.2 Multi-pollutant models for asthma admissions, all ages

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
bsp 24-hour	0.0295	0.0382	1.0299	0.9556	1.1100
NO ₂ 24-hour	0.0042	0.0022	1.0042	0.9999	1.0085
bsp 24-hour CO 8-hour (lag 2)	0.0658 0.0210	0.0294 0.0097	1.0680 1.0212	1.0082 1.0020	1.1314 1.0408
NO ₂ 24-hour CO 8-hour (lag 2)	0.0051 0.0239	0.0017 0.0095	1.0051 1.0242	1.0018 1.0053	1.0085 1.0434

Table B2.3 Multi-pollutant models for respiratory admissions, 15-64 years

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
bsp 1-hour	0.0156	0.0170	1.0157	0.9824	1.0501
NO ₂ 1-hour	0.0018	0.0010	1.0018	0.9998	1.0038
bsp 1-hour CO 1-hour	0.0172 0.0099	0.0203 0.0089	1.0173 1.0099	0.9777 0.9925	1.0586 1.0277
NO ₂ 1-hour CO 1-hour	0.0017 0.0077	0.0011 0.0077	1.0017 1.0077	0.9995 0.9926	1.0039 1.0231

Table B2.4 Multi-pollutant models for respiratory admissions, 65+ years

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
O ₃ 4-hour (lag 2)	0.0012	0.0007	1.0012	0.9998	1.0026
NO ₂ 24-hour (lag 2)	0.0038	0.0014	1.0038	1.0011	1.0066
O ₃ 4-hour (lag 2) CO 1-hour (lag 2)	0.0016 0.0094	0.0007 0.0050	1.0016 1.0094	1.0002 0.9996	1.0030 1.0194
NO ₂ 24-hour (lag 2) CO 1-hour (lag 2)	0.0048 -0.0027	0.0020 0.0075	1.0048 0.9973	1.0009 0.9828	1.0088 1.0121
bsp 1-hour NO ₂ 24-hour (lag 2)	0.0128 0.0041	0.0127 0.0014	1.0129 1.0041	0.9880 1.0014	1.0384 1.0069
bsp 1-hour CO 1-hour (lag 2)	0.0136 0.0083	0.0129 0.0051	1.0137 1.0083	0.9884 0.9983	1.0396 1.0167
bsp 1-hour O ₃ 4-hour (lag 2)	0.0183 0.0017	0.0125 0.0007	1.0185 1.0017	0.9938 1.0003	1.0437 1.0031

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Table B2.5 Multi-pollutant models for respiratory admissions, all ages

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
NO ₂ 24-hour	0.0028	0.0009	1.0028	1.0010	1.0046
O ₃ 4-hour (lag 2)	0.0013	0.0004	1.0013	1.0005	1.0021
O ₃ 4-hour (lag 2)	0.0014	0.0004	1.0014	1.0006	1.0022
CO 8-hour (lag 1)	0.0090	0.0050	1.0090	0.9990	1.0192
NO ₂ 24-hour	0.0028	0.0010	1.0028	1.0008	1.0048
CO 8-hour (lag 1)	0.0041	0.0056	1.0041	0.9929	1.0154

Table B2.6 Multi-pollutant models for cardiovascular admissions, 0-64 years

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
NO ₂ 24-hour	0.0027	0.0019	1.0027	0.9989	1.0065
CO 1-hour	0.0047	0.0071	1.0047	0.9905	1.0191

Table B2.7 Multi-pollutant models for cardiovascular admissions, 65+ years

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
bsp 1-hour (lag1)	0.0183	0.0103	1.0185	0.9977	1.0397
NO ₂ 1-hour (lag 1)	0.0009	0.0006	1.0009	0.9997	1.0021
bsp 1-hour (lag1)	0.0072	0.0127	1.0072	0.9820	1.0331
CO 8-hour (lag 1)	0.0186	0.0085	1.0188	1.0016	1.0362
NO ₂ 1-hour (lag 1)	0.0006	0.0006	1.0006	0.9994	1.0018
CO 8-hour (lag 1)	0.0178	0.0070	1.0180	1.0038	1.0323

Table B2.8 Multi-pollutant models for cardiovascular admissions, all ages

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
bsp 24-hour (lag 1)	0.0328	0.0153	1.0333	1.0022	1.0655
NO ₂ 24-hour	0.0021	0.0008	1.0021	1.0005	1.0037
bsp 24-hour (lag 1)	0.0113	0.0194	1.0114	0.9729	1.0514
CO 8-hour (lag 1)	0.0171	0.0063	0.0172	1.0045	1.0301
NO ₂ 24-hour	0.0016	0.0009	1.0016	0.9998	1.0034
CO 8-hour (lag 1)	0.0158	0.0052	0.0159	1.0054	1.0265

Table B2.9 Multi-pollutant models for admissions for ischaemic heart disease, all ages

Pollutant combination	Parameter estimate	Standard error	Relative risk	Lower CI	Upper CI
bsp 24-hour	0.0323	0.0294	1.0328	0.9738	1.0954
NO ₂ 24-hour	0.0025	0.0016	1.0025	0.9993	1.0057
bsp 24-hour	0.0312	0.0292	1.0317	0.9732	1.0937
CO 1-hour	0.0101	0.0060	1.0102	0.9981	1.0223
NO ₂ 24-hour	0.0020	0.0018	1.0020	0.9984	1.0056
CO 1-hour	0.0090	0.0066	1.0090	0.9958	1.0224

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APPENDIX B₃: BASE MODELS

ASTHMA 0-14

	Value	Std. Error	t value
(Intercept)	2.286873473	0.009272542	246.628540
lo(SCHTERM, span = 40/1276)	2.659180233	0.349383232	7.611070
lo(SUMHOBS, span = 182.5/1276)	-3.970597429	0.430446057	-9.224379
WEEKD1	0.033367942	0.015683722	2.127553
WEEKD2	-0.029033642	0.009328306	-3.112424
WEEKD3	-0.051237295	0.007038638	-7.279433
WEEKD4	-0.040163502	0.005616419	-7.151087
WEEKD5	-0.028926448	0.004636870	-6.238357
WEEKD6	-0.007469437	0.003784337	-1.973777
lo(L2TMAX, span = 1)	2.311196442	0.338942871	6.818838
lo(UTMIN, span = 0.8)	-0.779367357	0.348351537	-2.237301

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 2932.738 on 1275 degrees of freedom

Residual Deviance: 1288.532 on 1182.593097 degrees of freedom

Number of Fisher Scoring Iterations: 4

TOTAL ASTHMA

	Value	Std. Error	t value
(Intercept)	2.89692144	0.007353009	393.977695
lo(SCHTERM, span = 40/1276)	2.25530724	0.251217893	8.977494
lo(SUMHOBS, 60/1276, 2)1	-3.65055787	0.300069212	-12.165720
lo(SUMHOBS, 60/1276, 2)2	3.33084518	0.278423728	11.963223
WEEKD1	0.05689542	0.011483781	4.954416
WEEKD2	-0.02781720	0.006811223	-4.084025
WEEKD3	-0.03658492	0.005007840	-7.305530
WEEKD4	-0.03493507	0.004009713	-8.712611
WEEKD5	-0.02440167	0.003293778	-7.408415
WEEKD6	-0.01391721	0.002776502	-5.012497
R2TOT	0.02802341	0.006109876	4.586576
lo(L2TAV, span = 0.8)	1.42620353	0.414109840	3.444022
lo(L2DTMAX, span = 0.9)	-0.80147310	0.406495253	-1.971667
ASTHPEAK1	0.97821126	0.147646375	6.625366
ASTHPEAK2	0.68800413	0.140312108	4.903384

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 2913.209 on 1275 degrees of freedom

Residual Deviance: 1158.346 on 1125.6066159 degrees of freedom

Number of Fisher Scoring Iterations: 5

RESPIRATORY 0-14

	Value	Std. Error	t value
(Intercept)	3.059125560	0.024619798	124.254700
lo(SCHTERM, span = 60/1276, 2)1	2.381714807	0.283641895	8.396908
lo(SCHTERM, span = 60/1276, 2)2	-1.282114045	0.255304041	-5.021910
lo(SUMHOBS, span = 365/1276, 2)1	-6.115912244	0.333735660	-18.325618
lo(SUMHOBS, span = 365/1276, 2)2	4.904697291	0.308703957	15.888029
lo(OTHHOBS, span = 365/1276)	1.671678999	0.263091725	6.353978
WEEKD1	0.027457969	0.010695205	2.567316
WEEKD2	-0.019856448	0.006308624	-3.147509
WEEKD3	-0.031653798	0.004627244	-6.840745
WEEKD4	-0.022966429	0.003631530	-6.324174
WEEKD5	-0.017305343	0.002987948	-5.791714
WEEKD6	-0.004831198	0.002500417	-1.932157
R2TOT	0.033372735	0.005600202	5.959202

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

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L2UTMAX  0.013990809 0.004549473    3.075259
A2TMIN   0.006926876 0.002464880    2.810228
L2DTMAX  -0.004557864 0.002702039   -1.686824
A3RAIN   -0.004967589 0.002176169   -2.282722
    
```

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 4879.015 on 1275 degrees of freedom

Residual Deviance: 1285.248 on 1174.8859398 degrees of freedom

Number of Fisher Scoring Iterations: 8

RESPIRATORY 15-64

	Value	Std. Error	t value
(Intercept)	2.946129465	0.018949695	155.471076
lo(OBS, span = 90/1276)	3.096400831	0.231763804	13.360157
WEEKD1	0.076905165	0.011429625	6.728582
WEEKD2	-0.011903936	0.006709767	-1.774121
WEEKD3	-0.016051252	0.004785257	-3.354314
WEEKD4	-0.012738398	0.003769442	-3.379386
WEEKD5	-0.010901572	0.003089868	-3.528167
WEEKD6	-0.015261368	0.002689775	-5.673845
L1HOLIDAY	0.114326460	0.041723683	2.740086
R2TOT	0.033142160	0.005568627	5.951586
TMIN	0.007615049	0.002463071	3.091689
A4DTMIN	-0.007668415	0.003609294	-2.124630
ASTHPEAK1	0.808643097	0.165749811	4.878697
JUNE26.97	0.661347759	0.137102918	4.823732

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 2437.514 on 1275 degrees of freedom

Residual Deviance: 1260.351 on 1237.6481867 degrees of freedom

Number of Fisher Scoring Iterations: 7

RESPIRATORY 65+

	Value	Std. Error	t value
(Intercept)	3.2923468527	0.025324808	130.0048123
lo(OBS, span = 90/1276)	3.6099425135	0.208801428	17.2888785
WEEKD1	0.0853249215	0.010587329	8.0591543
WEEKD2	-0.0125971549	0.006187801	-2.0358049
WEEKD3	0.0004768013	0.004339615	0.1098718
WEEKD4	-0.0063580110	0.003407747	-1.8657519
WEEKD5	0.0060702699	0.002711790	2.2384738
WEEKD6	-0.0096249608	0.002405374	-4.0014400
R2TOT	0.0304455267	0.004852088	6.2747273
lo(TMIN, span = 0.7)	0.7696314943	0.268655771	2.8647495
L2DTMAX	-0.0106982745	0.002285135	-4.6816816
lo(L2RAIN, span = 1)	0.7003908557	0.207581848	3.3740467

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 3485.553 on 1275 degrees of freedom

Residual Deviance: 1304.059 on 1237.0075181 degrees of freedom

Number of Fisher Scoring Iterations: 9

AMBIENT AIR POLLUTION AND DAILY HOSPITAL ADMISSIONS IN MELBOURNE

TOTAL RESPIRATORY

	Value	Std. Error	t value
(Intercept)	4.083129455	0.013196427	309.411743
lo(SCHTERM, span = 90/1276, 2)1	1.404797994	0.162668579	8.635952
lo(SCHTERM, span = 90/1276, 2)2	1.833728566	0.145669380	12.588291
lo(SUMHOBS, span = 365/1276, 2)1	-3.751565746	0.169386163	-22.148006
lo(SUMHOBS, span = 365/1276, 2)2	3.087147345	0.146937048	21.010000
lo(OTHHOBS, span = 275/1276)	1.014985567	0.152110807	6.672672
WEEKD1	0.060899067	0.006278836	9.699101
WEEKD2	-0.017273573	0.003712025	-4.653410
WEEKD3	-0.015356525	0.002634786	-5.828375
WEEKD4	-0.013684989	0.002071512	-6.606280
WEEKD5	-0.006330510	0.001682929	-3.761604
WEEKD6	-0.010641624	0.001457994	-7.298811
L1HOLIDAY	0.058051270	0.023917457	2.427151
R2TOT	0.010336148	0.003085566	3.349839
TMIN	0.006311501	0.001456080	4.334585
DTMAX	0.004367357	0.001727348	2.528359

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 6390.356 on 1275 degrees of freedom

Residual Deviance: 1265.136 on 1196.9814585 degrees of freedom

Number of Fisher Scoring Iterations: 10

CARDIOVASCULAR 0-64

	Value	Std. Error	t value
(Intercept)	3.3063741130	0.020587840	160.5983944
lo(OBS, span = 182.5/1276)	2.0164782535	0.194688830	10.3574419
WEEKD1	0.1289498984	0.010061677	12.8159452
WEEKD2	0.0217303117	0.005642614	3.8511075
WEEKD3	-0.0007468699	0.004031308	-0.1852674
WEEKD4	0.0027499763	0.003105240	0.8855921
WEEKD5	0.0030947853	0.002529888	1.2232893
WEEKD6	-0.0186225614	0.002276062	-8.1819229
HOLIDAY	-0.1694540661	0.034257469	-4.9464852
R2TOT	-0.0129924268	0.005429184	-2.3930718
lo(L2DTMIN, span = 0.8)	-0.6002158448	0.281606031	-2.1314027
L1TMIN	0.0030388444	0.001969397	1.5430327

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 1732.79 on 1275 degrees of freedom

Residual Deviance: 1305.143 on 1251.9030795 degrees of freedom

Number of Fisher Scoring Iterations: 3

CARDIOVASCULAR 65+

	Value	Std. Error	t value
(Intercept)	4.027390683	0.003803345	1058.907422
lo(OBS, span = 182.5/1276)	1.573009846	0.133097954	11.818437
WEEKD1	0.087656429	0.007102410	12.341787
WEEKD2	0.014620365	0.004015837	3.640677
WEEKD3	0.003688390	0.002847089	1.295495
WEEKD4	0.003808909	0.002194899	1.735346
WEEKD5	0.006891410	0.001772568	3.887811
WEEKD6	-0.014669613	0.001587203	-9.242429
HOLIDAY	-0.123949014	0.024144066	-5.133726
L2HIRAIN	0.410772767	0.113184519	3.629231
lo(L2TAV, span = 0.9)	-1.484927215	0.189065216	-7.854048
lo(UTMIN, span = 1)	0.402863342	0.133568233	3.016161
lo(L1DTMIN, span = 0.9)	0.467302578	0.191204713	2.443991

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(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 1979.555 on 1275 degrees of freedom

Residual Deviance: 1257.044 on 1249.4450011 degrees of freedom

Number of Fisher Scoring Iterations: 4

TOTAL CARDIOVASCULAR

	Value	Std. Error	t value
(Intercept)	4.427600270	0.003247460	1363.404068
lo(OBS, span = 182.5/1276)	1.646217432	0.109154614	15.081519
WEEKD1	0.100956924	0.005802281	17.399523
WEEKD2	0.015665030	0.003295382	4.753631
WEEKD3	0.002471447	0.002329795	1.060800
WEEKD4	0.003358933	0.001793777	1.872547
WEEKD5	0.005344330	0.001452049	3.680543
WEEKD6	-0.015988915	0.001301691	-12.283187
HOLIDAY	-0.135428470	0.019740930	-6.860288
L1HOLIDAY	0.068939969	0.019764448	3.488080
L2HIRAIN	0.310135046	0.096757934	3.205267
lo(L2TAV, span = 0.9)	-1.137600362	0.153685944	-7.402111
UTMIN	0.017024547	0.005064157	3.361773
lo(L1DTMIN, span = 0.8)	0.534923894	0.155797038	3.433466
JULY13.94	-0.504173992	0.144494995	-3.489214

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 2388.729 on 1275 degrees of freedom

Residual Deviance: 1294.973 on 1247.8500754 degrees of freedom

Number of Fisher Scoring Iterations: 4

TOTAL ISCHAEMIC HEART DISEASE

	Value	Std. Error	t value
(Intercept)	3.439433048	0.014904046	230.7717632
lo(OBS, span = 182.5/1276)	1.460071227	0.184167301	7.9279613
WEEKD1	0.056081154	0.009414324	5.9570027
WEEKD2	0.009586669	0.005409066	1.7723335
WEEKD3	0.001419388	0.003802724	0.3732556
WEEKD4	0.002414188	0.002947141	0.8191626
WEEKD5	0.001949568	0.002398352	0.8128778
WEEKD6	-0.011044222	0.002115479	-5.2206718
L1HOLIDAY	0.090108609	0.032035832	2.8127445
R2TOT	0.012058488	0.004991603	2.4157545
L1DTMIN	0.010672420	0.002184149	4.8863059
L2TMIN	-0.007654209	0.001760614	-4.3474667
NOV18.95	0.592533618	0.140971729	4.2032089

(Dispersion Parameter for Poisson family taken to be 1)

Null Deviance: 1582.778 on 1275 degrees of freedom

Residual Deviance: 1301.905 on 1251.9089517 degrees of freedom

Number of Fisher Scoring Iterations: 3