

Table 5S-4 Corresponding risk estimates for studies presented in Figure 5-3.

Study	Location	Age (yrs)	Avg Time	Season	Lag (days)	% Increase (95% CI)
Hospital Admissions						
† Son et al. (2013)	8 South Korean cities	All	24-h avg	All	0-3	5.3 (-0.4, 13.0)
† Son et al. (2013)	8 South Korean cities	0-14	24-h avg	All	0-3	5.6 (-3.7, 16.0)
Lin et al. (2004)	Bronx County, NY	0-14	24-h avg	All	NR	19.0 (11.0, 29.0)
† Samoli et al. (2011)	Athens, Greece	0-14	24-h avg	All	0	16.5 (2.3, 32.6)
† Samoli et al. (2011)	Athens, Greece	5-14	24-h avg	All	0	18.0 (-5.6, 47.5)
Sheppard (2003); Sheppard et al. (1999)	Seattle, WA	< 65	24-h avg	All	0	2.1 (-4.0, 6.2)
† Son et al. (2013)	8 South Korean cities	75+	24-h avg	All	0-3	6.7 (-4.1, 18.7)
† Son et al. (2013)	8 South Korean cities	All	24-h avg	Warm	0-3	19.1 (-18.3, 73.9)
† Samoli et al. (2011)	Athens, Greece	0-14	24-h avg	Warm	0	46.6 (-13.8, 149.3)
† Son et al. (2013)	8 South Korean cities	All	24-h avg	Cold	0-3	-3.4 (-13.8, 8.5)
† Samoli et al. (2011)	Athens, Greece	0-14	24-h avg	Cold	0	20.2 (0.7, 43.5)
ED Visits						
Wilson et al. (2005)	Portland, ME	All	24-h avg	All	0	11.0 (2.0, 20.0)
	Manchester, NH					6.0 (-4.0, 17.0)

Study	Location	Age (yrs)	Avg Time	Season	Lag (days)	% Increase (95% CI)
Ito et al. (2007)	New York, NY	All	24-h avg	All	0–1	8.9 (4.9, 13.0)
Peel et al. (2005)	Atlanta, GA	All	1-h max	All	0–2	0.2 (–3.2, 3.4)
ATSDR (2006)	Bronx, NY	All	24-h avg	All	0–4	10.0 (5.0, 15.0)
	Manhattan, NY					–1.0 (–11.0, 11.0)
†Stieb et al. (2009)	7 Canadian cities	All	24-h avg	All	2	–2.1 (–5.4, 1.4)
†Byers et al. (2015)	Indianapolis, IN	All	1-h max	All	0–2	0.4 (–3.6, 4.5)
Villeneuve et al. (2007)	Edmonton, Canada	>2	24-h avg	All	0–4	–15.7 (–21.5, –6.5)
†Alhanti et al. (2016); Sarnat (2016)	3 U.S. cities	0–4	1-h max	All	0–2	4.1 (–0.8, 9.1)
Wilson et al. (2005)	Portland, ME	0–14	24-h avg	All	0	11.0 (2.0, 20.0)
	Manchester, NH					6.0 (–4.0, 17.0)
Jalaludin et al. (2008)	Sydney, Australia	1–14	24-h avg	All	0–1	29.7 (14.7, 46.5)
†Li et al. (2011)	Detroit, MI	2–18	24-h avg	All	0–4 ^a	20.5 (8.9, 33.2)
					0–4 ^b	22.8 (12.6, 33.7)
†Strickland et al. (2010)	Atlanta, GA	5–17	1-h max	All	0–2	4.2 (–2.1, 10.8)
†Byers et al. (2015)	Indianapolis, IN	5–17	1-h max	All	0–2	5.4 (–3.2, 14.5)
†Alhanti et al. (2016); Sarnat (2016)	3 U.S. cities	5–18	1-h max	All	0–2	5.7 (–0.8, 11.8)
Wilson et al. (2005)	Portland, ME	15–64	24-h avg	All	0	12.0 (1.0, 23.0)
	Manchester, NH					3.0 (–8.0, 16.0)

Study	Location	Age (yrs)	Avg Time	Season	Lag (days)	% Increase (95% CI)
† Alhanti et al. (2016) ; Sarnat (2016)	3 U.S. cities	19-39	1-h max	All	0-2	-0.8 (-6.2, 5.7)
† Byers et al. (2015)	Indianapolis, IN	18-44	1-h max	All	0-2	0.0 (-5.5, 6.2)
		≥ 44				-2.4 (-9.0, 4.9)
† Alhanti et al. (2016) ; Sarnat (2016)	3 U.S. cities	40-64	1-h max	All	0-2	0.0 (-6.2, 5.7)
Wilson et al. (2005)	Portland, ME	65+	24-h avg	All	0	12.0 (-15.0, 47.0)
	Manchester, NH					12.0 (-29.0, 75.0)
† Alhanti et al. (2016) ; Sarnat (2016)	3 U.S. cities	65+	1-h max	All	0-2	-3.9 (-14.9, 8.3)
Ito et al. (2007)	New York, NY	All	24-h avg	Warm	0-1	35.9 (22.2, 51.2)
† Byers et al. (2015)	Indianapolis, IN	All	1-h max	Warm	0-2	3.1 (-2.6, 8.6)
Villeneuve et al. (2007)	Edmonton, Canada	>2	24-h avg	Warm	0-4	-6.5 (-21.5, 6.8)
† Jalaludin et al. (2008)	Sydney, Australia	1-14	24-h avg	Warm	0-1	6.4 (-8.4, 25.0)
† Strickland et al. (2010)	Atlanta, GA	5-17	1-h max	Warm	0-2	10.8 (0.7, 21.7)
Jaffe et al. (2003)	3 Ohio cities	5-34	24-h avg	Warm	NR	6.1 (0.5, 11.5)
Ito et al. (2007)	New York, NY	All	24-h avg	Cold	0-1	8.5 (4.8, 12.4)
† Byers et al. (2015)	Indianapolis, IN	All	1-h max	Cold	0-2	-5.9 (-10.7, -0.9)
Villeneuve et al. (2007)	Edmonton, Canada	>2	24-h avg	Cold	0-4	-21.5 (-29.6, -9.7)
† Jalaludin et al. (2008)	Sydney, Australia	1-14	24-h avg	Cold	0-1	20.3 (1.4, 42.3)
† Strickland et al. (2010)	Atlanta, GA	5-17	1-h max	Cold	0-2	0.3 (-7.4, 9.0)

† = studies published since the 2008 SO_x Integrated Science Assessment (ISA).

avg = average; CI = confidence interval; ED = emergency department; NR = not reported.

^aTime-series analysis results.

^bCase-crossover analysis results.

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