

Table Supp 1

Model results of day- and residence-specific ozone and risk of ED visit for asthma, by quartile of community socioeconomic deprivation (by police precinct), 2005-2011, in NYC.

Quartile	Lag	Beta.10ppb	LCL	UCL	P-value
Q0	Lag0	2.1	-3	7.6	0.46005
	lag1	5.8	0.4	11.5	0.041354
	lag2	8.1	2.8	13.8	0.001843
	lag3	7.6	2.4	13.2	0.001912
	lag4	1.2	-3.7	6.3	0.575085
	lag5	2.6	-2.4	7.8	0.286154
	lag6	1.6	-3.3	6.8	0.417636
Q1	Lag0	4.2	-4.2	13.3	0.401616
	lag1	14	3.9	25	0.018318
	lag2	17.2	9	26	0.003134
	lag3	14.1	5.9	22.9	0.024336
	lag4	5.7	-1.8	13.7	0.095506
	lag5	7	-1.1	15.7	0.141566
	lag6	3.5	-4.2	11.8	0.567501
Q2	Lag0	5.7	-2.4	14.4	0.11895
	lag1	12.3	3.2	22.2	0.023698
	lag2	18.6	9.6	28.3	0.000888
	lag3	17.6	8.4	27.6	0.0045
	lag4	11.5	2.9	20.9	0.00388
	lag5	10.5	2.5	19.1	0.00325
	lag6	7.3	0.7	14.4	0.040098
Q3	Lag0	4.9	-4.1	14.9	0.359409
	lag1	16.3	6.9	26.6	0.000158
	lag2	21	10.5	32.5	0.000805
	lag3	18.4	9.2	28.3	0.002403
	lag4	5.4	-3	14.6	0.251168
	lag5	-0.7	-10.4	10	0.471636
	lag6	0.5	-7.4	9	0.745471

Table Supp 2

Model results of day- and residence-specific ozone and risk of ED visit for asthma, by quartile of community violent crime (by police precinct), 2005 – 2011, in NYC.

Quartile	Lag	Beta.10ppb	LCL	UCL	P-value
Q0	Lag0	6.5	1.2	12.1	0.031402
	lag1	6	0.6	11.6	0.015274
	lag2	6.2	1	11.7	0.009921
	lag3	7	1.9	12.4	0.015044
	lag4	3.7	-1.3	8.9	0.114577
	lag5	6.2	1.1	11.6	0.015984
	lag6	2.8	-2.1	7.9	0.218146
Q1	Lag0	6.2	-1.6	14.7	0.884369
	lag1	11.8	2.8	21.6	0.069326
	lag2	15.4	6.8	24.7	0.002722
	lag3	13	5	21.7	0.021027
	lag4	8.1	0	16.8	0.166334
	lag5	7.6	-1.7	17.7	0.722792
	lag6	5.7	-2.1	14.1	0.329041
Q2	Lag0	7.7	-0.8	16.9	0.658625
	lag1	15.5	6.7	25.1	0.002244
	lag2	19.3	10.9	28.4	2.65E-05
	lag3	20	10.2	30.6	0.000373
	lag4	10.7	2.4	19.8	0.027274
	lag5	10.4	2.8	18.6	0.107816
	lag6	4.7	-2.2	12	0.444517
Q3	Lag0	9.3	0.4	19.1	0.326063
	lag1	15.9	7.1	25.4	0.000287
	lag2	18.2	8.5	28.9	0.000831
	lag3	16.2	6.5	26.7	0.009734
	lag4	9.2	-0.5	19.8	0.19452
	lag5	5.8	-5.2	18	0.933418
	lag6	3.3	-5.3	12.8	0.891524

Table Supp 3

Model results of day- and residence-specific ozone by cross-stratified, median-dichotomized violent crime and socioeconomic deprivation interaction on childhood asthma ED visit risk, 2005-2011, in NYC.

Cross-stratification	Lag	Beta.10ppb	LCL	UCL	P-value
Crime and deprivation < median	Lag0	3.6	-0.8	8.3	0.112647
	lag1	5	0.4	9.7	0.045577
	lag2	6.4	2	10.9	0.002716
	lag3	6.8	2.5	11.3	0.001692
	lag4	2.3	-1.8	6.5	0.205797
	lag5	3.6	-0.5	8	0.101884
	lag6	1.4	-2.6	5.7	0.47758
Low crime: High deprivation	Lag0	5.6	-3.1	15.1	0.553496
	lag1	13.6	5.2	22.6	0.002491
	lag2	17.9	8.3	28.5	0.002539
	lag3	12	2.7	22.3	0.202555
	lag4	11.7	1.8	22.5	0.035127
	lag5	8.1	-3.6	21.2	0.412792
	lag6	8.7	0.6	17.4	0.028906
High crime: Low deprivation	Lag0	0.5	-7.4	9.2	0.29239
	lag1	19.1	6.9	32.8	0.004751
	lag2	22.9	13.4	33.1	1.67E-05
	lag3	14.3	4.9	24.5	0.054526
	lag4	6.6	-3.3	17.6	0.336531
	lag5	6.3	-2.2	15.5	0.440882
	lag6	4.3	-6	15.7	0.556649
Crime and deprivation > median	Lag0	7.2	0.4	14.5	0.094689
	lag1	13.3	4.9	22.4	0.000448
	lag2	17.8	9.2	27.1	0.000214
	lag3	18.9	10.6	27.8	0.000127
	lag4	9	1.2	17.5	0.043324
	lag5	5.2	-3.4	14.6	0.671471
	lag6	2.1	-4.7	9.4	0.811325