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Supplemental Material

A National Multicity Analysis of the Causal Effect of Local Pollution, NO₂, and PM_{2.5} on Mortality

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Supplemental Material

Table S 1. City-specific mean and standard deviation (SD) for all-cause mortality, NO₂ and PM_{2.5} concentrations (1999-2010).

City	Daily Deaths		PM2.5 (µg/m3)		NO2 (ppb) ¹		N ²
	Mean	SD	Mean	SD	Mean	SD	
AKRON (OH)	16.857	11.509	15.56	7.60			2826
ANAHEIM (CA)	43.716	7.912	18.06	11.09	25.14	11.41	1618
BOSTON (MA)	55.485	9.327	11.55	5.87	16.45	5.87	3641
CANTON (OH)	9.991	3.481	15.15	7.66			957
CHARLOTTE (NC)	11.773	3.580	14.29	6.15	14.76	6.26	3804
CLEVELAND (OH)	59.939	35.952	15.14	7.84	19.49	6.12	2825
CORPUS CHRISTI (TX)	6.786	2.678	9.91	4.37			2566
DAYTONA BEACH (FL)	15.014	4.116	9.60	4.95			1829
ERIE (PA)	6.898	2.722	12.20	7.12	11.18	4.80	3052
FLINT (MI)	9.944	3.142	11.97	7.60			1763
FRESNO (CA)	14.478	4.088	19.16	16.25	15.59	6.15	3407
GRAND RAPIDS (MI)	10.348	3.346	13.00	7.49	15.74	5.97	3638
HARTFORD (CT)	19.950	4.940	11.54	6.60	16.44	7.60	2461
INDIANAPOLIS (IN)	18.768	4.665	15.64	7.05	15.19	5.42	2680
LANSING (MI)	4.819	2.160	12.27	7.61	13.35	5.03	1843
LOUISVILLE (KY)	17.509	4.549	14.98	6.93	16.52	5.27	3800
MIAMI (FL)	47.509	7.312	9.35	3.94	10.98	5.04	1400
MINNEAPOLIS (MN)	29.280	6.159	10.72	6.48	18.22	6.16	2937
NEW ORLEANS (LA)	21.586	6.144	12.69	5.47	13.47	5.19	2879
NORFOLK (VA)	24.924	5.410	12.76	6.20	16.62	5.59	2765
PLYMOUTH (MA)	10.261	3.253	10.67	6.90			1405
PROVIDENCE (RI)	27.243	8.778	10.24	5.52	9.17	5.17	4176
RICHMOND (VA)	15.411	4.210	13.83	6.50	17.62	6.78	2768
SACRAMENTO (CA)	24.145	5.354	12.52	10.38	12.90	5.40	3330
SAN FRANCISCO (CA)	28.409	5.851	11.96	9.45	19.12	8.40	1534
SCRANTON (PA)	18.270	4.668	11.52	6.82	12.58	5.62	3872
SPOKANE (WA)	9.094	3.077	9.16	6.53			2353
TRENTON (NJ)	7.038	2.751	12.25	7.59	15.56	6.45	1730

WILMINGTON (DE)	9.928	3.259	14.80	7.33	17.69	8.10	2681
CEDAR RAPIDS (IA)	3.879	1.953	11.01	6.57	3.75	1.82	2532
EVANSVILLE (IN)	4.639	2.176	15.06	7.88	11.79	4.53	1819
GRAND HAVEN (MI)	10.345	3.347	12.99	7.48	15.72	5.95	3636
NEW LONDON (CT)	5.443	2.319	11.15	7.00			1212
STATE COLLEGE (PA)	2.528	1.432	11.92	7.11	7.88	4.12	1271
ALBANY (NY)	7.400	2.794	11.23	7.75	14.51	2.71	1678
ANN ARBOR (MI)	4.681	2.213	13.56	8.19			1769
AUSTIN (TX)	9.830	3.327	10.02	4.68	4.53	2.60	1490
BATON ROUGE (LA)	8.774	3.146	13.41	5.45	12.19	4.25	2920
BOULDER (CO)	3.532	1.723	8.40	4.40			1454
CHATTANOOGA (TN)	7.982	2.876	14.18	6.90			1478
DALLAS (TX)	35.159	6.808	11.97	5.11	13.87	6.06	3871
DENVER (CO)	24.297	5.227	10.19	4.56	22.81	8.48	2804
EAST ST. LOUIS (IL)	5.860	2.453	15.66	7.74	16.93	4.67	1818
ESSEX (MA)	16.399	4.527	9.93	6.83	8.19	4.69	1480
FORT LAUDERDALE (FL)	39.599	6.810	8.38	3.69	8.61	4.82	2853
GREENSBORO (NC)	8.784	3.127	14.35	6.51			2624
JACKSONVILLE (FL)	16.907	4.367	10.52	4.89	13.95	5.57	2688
KNOXVILLE (TN)	11.573	3.631	15.59	6.82	7.84	5.45	2295
MOBILE (AL)	9.823	3.166	12.91	6.17			1604
NASHUA (NH)	6.959	2.688	9.06	6.32	6.78	4.58	749
NEW YORK (NY)	148.179	18.383	14.56	7.37	29.68	7.54	2700
OAKLAND (CA)	42.619	7.492	11.58	9.17	15.13	5.66	1524
ORLANDO (FL)	22.728	5.040	10.01	4.43	10.75	4.75	2867
PHILADELPHIA (PA)	112.496	15.217	14.14	7.33	21.20	6.65	2645
PORT ARTHUR (TX)	6.694	2.630	11.19	5.61	7.21	3.66	2601
RALEIGH (NC)	9.006	3.181	13.51	6.00			3808
RIVERSIDE (CA)	64.270	9.921	16.25	10.11	19.98	6.45	2867
SALT LAKE CITY (UT)	12.738	3.697	11.16	10.05	23.10	10.42	3987
SAN JOSE (CA)	22.817	5.185	11.94	9.47	21.79	9.13	2211
SEATTLE (WA)	29.285	5.901	9.42	5.40	18.32	6.66	3028
SPRINGFIELD (MA)	11.744	3.728	11.99	7.05	14.91	6.16	2199
STAMFORD (CT)	17.248	4.499	12.59	7.93	16.82	7.39	1885
TAMPA (FL)	21.852	5.196	11.66	4.61	8.39	4.06	2193
TUCSON (AZ)	19.044	4.795	6.44	2.78	15.42	5.95	3296
WASHINGTON (DC)	19.875	9.884	14.13	7.05	19.98	6.88	3961
WINSTON-SALEM (NC)	7.085	2.751	13.84	6.67	13.38	6.30	3850

BATH (NY)	2.694	1.463	8.82	5.61	1.86	1.48	2743
FARGO (ND)	2.254	1.234	7.96	5.07	6.00	3.18	1516
ALBUQUERQUE (NM)	10.859	3.528	6.87	3.19	16.03	6.31	1951
ATLANTA (GA)	42.688	7.556	16.60	7.11	16.83	7.35	3277
BAKERSFIELD (CA)	12.738	3.845	17.31	14.25	14.73	5.17	3279
BROWNSVILLE (TX)	5.046	2.320	9.82	4.95			1339
CHARLESTON (SC)	6.878	2.736	11.39	5.07	6.83	3.88	3785
CHICAGO (IL)	133.149	15.918	15.14	7.29	22.40	6.22	2541
COLUMBIA (SC)	10.795	3.431	14.19	5.91	7.14	3.48	2368
DAVENPORT (IA)	6.819	2.649	12.39	6.61	6.05	3.04	2731
DES MOINES (IA)	7.125	2.693	10.34	5.88	11.46	4.10	2722
EL PASO (TX)	10.548	3.490	10.91	5.62	16.35	6.41	2445
EUGENE (OR)	7.345	2.731	9.20	8.18			2732
GARY (IN)	11.577	3.591	15.49	7.44	18.78	6.69	1791
GREENVILLE (SC)	8.272	3.011	14.53	6.31	12.95	5.99	3398
JERSEY CITY (NJ)	11.323	3.448	15.21	8.94	24.26	8.39	1736
LITTLE ROCK (AR)	8.198	2.930	13.47	5.97	11.80	4.89	3820
MADISON (WI)	6.688	2.700	12.03	7.40			1226
MEMPHIS (TN)	19.297	4.796	13.50	6.35	18.55	9.89	2260
MIDDLETOWN (OH)	6.942	2.803	16.15	7.58			2374
NASHVILLE (TN)	12.386	3.674	13.91	6.18	15.90	7.28	1823
PALM BEACH (FL)	33.080	6.204	7.95	3.54	13.34	4.91	2821
PHOENIX (AZ)	58.934	8.946	9.07	3.89	18.42	7.48	744
PORTLAND (ME)	5.983	2.488	10.85	6.54	16.85	6.09	1561
READING (PA)	9.206	3.222	15.78	9.44	18.81	5.86	1754
ROCHESTER (NY)	16.224	4.227	11.13	7.20			1542
SAN ANTONIO (TX)	25.894	5.578	9.82	4.39	9.23	3.91	1133
SOUTH BEND (IN)	6.081	2.482	13.36	7.77	12.61	5.56	1210
STEUBENVILLE (OH)	3.826	1.923	16.33	8.59			1746
TOLEDO (OH)	11.680	3.700	15.05	7.73			1042
TULSA (OK)	13.378	3.876	10.87	5.39	9.75	5.11	822
WASHINGTON (PA)	6.207	2.548	14.59	7.22	11.21	4.13	2681
WORCESTER (MA)	17.257	4.648	11.22	6.52	16.94	6.21	1976
GREEN BAY (WI)	4.176	1.997	11.34	7.53			1360
KALAMAZOO (MI)	4.806	2.186	13.85	8.10			1794
TOPEKA (KS)	4.270	2.092	10.84	5.80			1804
ANNANDALE (VA)	10.229	3.258	14.13	6.96	15.75	5.74	2307
ALLENTOWN (PA)	8.022	2.921	13.87	7.62	14.26	6.24	2727
ATLANTIC CITY (NJ)	6.556	2.725	11.26	7.18			933

BALTIMORE (MD)	38.667	7.163	15.41	7.65	19.67	6.36	2509
BIRMINGHAM (AL)	22.856	5.822	16.39	7.76	10.08	4.20	2918
BUFFALO (NY)	25.567	5.603	13.13	8.09	16.42	6.30	1769
CHARLESTON (WV)	6.263	2.557	16.26	8.12			1916
CINCINNATI (OH)	25.768	16.646	16.72	7.53	20.28	6.05	2884
COLUMBUS (OH)	24.945	15.759	15.76	7.41			2800
DETROIT (MI)	90.620	11.841	15.42	8.04	19.12	7.15	2536
ELIZABETH (NJ)	11.503	3.594	14.72	7.88	37.04	10.31	1909
FORT WORTH (TX)	24.379	5.426	11.93	5.16	12.37	5.42	2728
GETTYSBURG (PA)	2.487	1.348	12.61	7.10	3.28	2.03	2457
HARRISBURG (PA)	6.247	2.521	15.42	8.19	15.91	6.76	2193
HOUSTON (TX)	53.002	9.209	12.78	4.83	13.24	5.50	3692
KANSAS CITY (KS)	28.195	5.918	11.96	5.41	13.50	4.61	2844
LANCASTER (PA)	11.027	3.469	16.62	9.92	13.90	5.68	1759
LOS ANGELES (CA)	151.029	18.108	16.81	9.29	25.81	8.60	2996
MILWAUKEE (WI)	28.972	5.800	12.95	7.48	16.84	6.08	2701
NEW HAVEN (CT)	19.419	4.785	12.58	6.98	19.53	7.76	2475
OKLAHOMA CITY (OK)	15.767	4.251	9.55	4.60	9.67	4.29	818
PATERSON (NJ)	28.174	6.077	13.25	8.36	20.54	8.19	1675
PITTSBURGH (PA)	42.422	9.928	15.22	8.76	17.32	7.06	3807
PORTLAND (OR)	27.649	5.837	9.13	5.78	12.33	4.54	2439
RENO (NV)	7.126	2.705	7.94	6.04	17.84	6.75	1067
SAN DIEGO (CA)	49.377	8.374	12.25	6.55	17.86	7.49	3413
SARASOTA (FL)	20.037	4.950	9.44	4.97	5.20	3.02	1836
ST. LOUIS (MO)	38.235	7.237	14.26	6.62	16.78	5.53	2875
TACOMA (WA)	13.397	3.883	11.01	8.70			2400
UPPER MARLBORO (MD)	10.847	3.308	13.73	7.81	10.91	5.12	1743
WICHITA (KS)	9.376	3.254	10.81	5.62	10.20	4.37	1850
YORK (PA)	8.263	2.930	17.70	9.33	18.04	7.03	691
GREENSBURG (PA)	11.199	3.510	15.45	8.61	14.75	5.10	1637
KENOSHA (WI)	3.226	1.655	11.53	7.26			1381

1. NO2 data were only available in 105 cities.
2. N is the number of days pollution data were available in that city

Table S 2. City-specific mean and standard deviation (SD) for the weather variables (1999-2010).

City	Temperature (°F)		Wind Speed (knots)		Pressure (mbar)		PBL Height (m)	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
AKRON (OH)	50.773	18.013	6.7196	3.265	1020	6.8497	739.93	275.63
ANAHEIM (CA)	62.964	7.2702	3.6156	1.473	1015.3	3.6918	602.66	237.71
BOSTON (MA)	52.124	16.746	9.5538	3.218	1016	7.8468	792.3	355.8
CANTON (OH)	49.856	17.907	7.6857	3.158	1016.9	6.5758	753.48	294.13
CHARLOTTE (NC)	60.824	14.647	5.0748	2.222	1018.1	5.9374	797.67	334.1
CLEVELAND (OH)	52.884	17.713	9.4845	3.978	1017	6.7668	795.93	312.02
CORPUS CHRISTI (TX)	72.287	11.36	9.5016	3.548	1015.8	5.4871	817.86	231.04
DAYTONA BEACH (FL)	70.536	9.8622	5.8496	2.709	1018.6	4.2934	773.77	291.77
ERIE (PA)	49.808	17.689	8.3605	3.348	1017	7.0489	873.85	350.75
FLINT (MI)	48.835	18.665	7.632	3.106	1017	7.0483	749.11	275.24
FRESNO (CA)	64.357	14.12	5.0895	2.533	1015.7	5.3591	960.59	478.37
GRAND RAPIDS (MI)	48.556	18.775	8.2158	3.308	1016.8	7.0483	731.86	282.26
HARTFORD (CT)	52.269	17.218	5.8466	2.608	1016.5	7.4886	819.78	350.92
INDIANAPOLIS (IN)	53.893	18.268	8.2953	3.276	1017.4	6.5178	749.16	284.98
LANSING (MI)	48.786	18.521	7.6991	3.282	1017	6.9509	727.66	264.2
LOUISVILLE (KY)	57.852	17.613	6.6658	2.918	1017.8	6.2134	794.56	290.6
MIAMI (FL)	76.565	6.4495	6.9536	2.546	1017.4	3.2876	803.06	277.97
MINNEAPOLIS (MN)	48.067	21.963	8.0462	3.052	1016	7.6099	815.24	342.37
NEW ORLEANS (LA)	71.835	12.171	8.4126	3.616	1017.8	4.9984	694.34	227.5
NORFOLK (VA)	60.872	15.094	7.9334	3.425	1017.5	6.4923	747.43	337.55
PLYMOUTH (MA)	51.297	16.146	6.7477	3.124	1016.2	7.6429	711.95	347.71
PROVIDENCE (RI)	52.734	16.623	7.8802	3.158	1015.8	7.8668	785.79	347.31
RICHMOND (VA)	59.211	15.853	6.6125	2.852	1018	6.5392	803.95	380.48
SACRAMENTO (CA)	60.121	10.989	5.3597	2.787	1015.8	5.2533	774.59	372.3
SAN FRANCISCO (CA)	55.495	5.0031	7.6595	3.846	1017.7	4.9207	430.86	303.43
SCRANTON (PA)	50.054	17.698	5.5155	2.584	1016.4	7.1432	895.2	314.73
SPOKANE (WA)	49.392	15.137	4.5188	2.671	1016.8	7.1928	931.39	445.8
TRENTON (NJ)	53.907	16.992	6.2324	2.602	1016.3	7.0964	798.25	365.21
WILMINGTON (DE)	54.67	16.909	7.4704	3.159	1017.5	6.999	813.88	362.2
CEDAR RAPIDS (IA)	49.504	19.832	8.5352	3.528	1016.4	7.0511	759.7	298.52

EVANSVILLE (IN)	57.254	17.366	5.898	2.836	1018	6.237	765.2	307.28
GRAND HAVEN (MI)	48.574	18.767	8.2131	3.309	1016.8	7.056	756.1	334.59
NEW LONDON (CT)	51.544	15.739	7.8224	3.381	1015.8	7.5488	744.46	397.48
STATE COLLEGE (PA)	50.224	17.537	5.203	3.201	1015.4	7.2892	871.87	312.49
ALBANY (NY)	49.5	18.672	6.601	3.318	1016.6	7.3503	1048.7	357.23
ANN ARBOR (MI)	49.611	18.328	7.7924	3.358	1018.3	6.9157	767.71	282.72
AUSTIN (TX)	67.829	14.182	5.3102	2.304	1016.7	6.0565	902.34	317.34
BATON ROUGE (LA)	67.562	12.857	5.0847	2.46	1017.5	5.1462	690.68	242.35
BOULDER (CO)	54.713	17.945	8.1076	3.195	1013.8	6.9978	1892.8	601.9
CHATTANOOGA (TN)	60.062	15.136	4.3568	2.568	1018.5	5.5002	828.75	274.89
DALLAS (TX)	67.301	15.675	8.244	3.332	1016.4	6.2143	925.14	356.19
DENVER (CO)	51.262	17.103	7.0133	2.104	1014.7	7.102	1940.9	653.45
EAST ST. LOUIS (IL)	56.758	17.843	6.1078	2.833	1017.8	6.4875	785.2	301.69
ESSEX (MA)	49.011	16.817	7.0695	2.949	1015.3	8.0075	767.08	381.17
FORT LAUDERDALE (FL)	76.361	6.8652	7.902	3.009	1017	3.4779	813.06	293.73
GREENSBORO (NC)	59.625	15.171	6.0219	2.578	1018	5.9897	854.44	350.62
JACKSONVILLE (FL)	70.085	11.664	7.4166	2.748	1017.7	4.6952	742.7	273.16
KNOXVILLE (TN)	59.834	15.575	5.3272	2.724	1017.9	5.5066	970.08	332.13
MOBILE (AL)	66.12	12.923	6.5637	2.69	1018.5	5.0169	696.7	226.91
NASHUA (NH)	51.926	19.068	5.324	2.896	1016.7	8.1383	858.89	359.57
NEW YORK (NY)	50.838	16.136	8.8369	3.687	1016.2	7.8299	835.41	372.89
OAKLAND (CA)	55.58	5.8085	6.8573	3.042	1017.8	4.7103	534.9	263.57
ORLANDO (FL)	72.029	9.249	6.3582	2.32	1018.4	4.218	733.38	225.26
PHILADELPHIA (PA)	55.18	17.28	5.8147	3.818	1017.5	7.161	814.23	366.17
PORT ARTHUR (TX)	68.547	12.465	7.1587	2.962	1017.2	5.3107	666.88	238.42
RALEIGH (NC)	60.94	15.219	5.2961	2.582	1018	6.1563	779.84	324.33
RIVERSIDE (CA)	63.705	10.301	4.5357	2.23	1014.3	3.9939	978.54	286.56
SALT LAKE CITY (UT)	53.263	19.121	7.1677	2.956	1015.6	7.9336	1526.5	742.11
SAN JOSE (CA)	60.55	8.7349	6.4228	3.005	1017.8	4.9206	570.95	187.62
SEATTLE (WA)	51.129	7.3772	9.4435	7.047	1017.6	6.9819	1018.4	516.78
SPRINGFIELD (MA)	51.064	18.37	6.4964	2.847	1016.7	7.436	828.42	332.96
STAMFORD (CT)	52.105	16.76	6.6755	3.044	1016.5	7.2585	814.22	383.01
TAMPA (FL)	72.377	9.6541	5.8803	2.011	1017.7	4.0565	709.35	231.4
TUCSON (AZ)	70.223	14.397	6.3873	1.785	1012.4	4.6649	1353.4	470.54
WASHINGTON (DC)	58.222	16.604	7.4727	2.88	1017.8	6.8469	843.77	394.82
WINSTON-SALEM (NC)	59.571	15.097	4.9056	2.279	1018.4	6.1162	913.96	384.96
BATH (NY)	48.323	18.115	6.37	3.073	1016.6	7.3343	871.18	303.85
FARGO (ND)	43.875	22.672	9.811	3.923	1015.8	8.1314	854.8	384.91
ALBUQUERQUE (NM)	58.105	15.963	7.1736	3.055	1014.3	6.2072	1833.2	763.41
ATLANTA (GA)	61.712	14.465	4.4918	2.432	1018.3	5.2996	776.52	263.58
BAKERSFIELD (CA)	65.132	14.262	5.1443	1.833	1015.4	5.2921	1196.6	493.39
BROWNSVILLE (TX)	74.515	9.8551	9.1767	3.372	1015.4	5.216	827.08	211.67

CHARLESTON (SC)	65.501	13.116	6.7588	2.633	1018.1	5.4859	772.09	309.33
CHICAGO (IL)	52.838	18.766	9.7569	3.291	1016.8	6.9856	767.65	295.28
COLUMBIA (SC)	63.959	14.298	3.6459	2.221	1018.2	5.7378	762.04	287.32
DAVENPORT (IA)	50.388	19.565	8.7992	3.57	1016.9	7.0185	784.53	302.85
DES MOINES (IA)	51.88	20.144	8.5745	3.127	1016.6	7.3652	827.48	323.02
EL PASO (TX)	64.961	15.16	7.357	3.248	1012.9	5.984	1547.1	653.82
EUGENE (OR)	52.358	10.582	5.8968	2.378	1018	6.021	819.74	326.73
GARY (IN)	53.84	18.806	9.0077	1.966	1016.9	6.7927	757.86	302.94
GREENVILLE (SC)	61.653	14.457	5.9337	2.383	1018.3	5.7453	888.9	340.28
JERSEY CITY (NJ)	50.673	16.077	8.9154	3.831	1016.2	7.7826	841.56	374.2
LITTLE ROCK (AR)	62.879	16.059	6.1287	2.679	1018	6.0555	782.32	295.25
MADISON (WI)	47.882	19.677	6.4977	2.657	1016.5	7.0671	759.71	279.45
MEMPHIS (TN)	63.612	16.276	6.8942	2.799	1017.8	5.8419	780.17	308.82
MIDDLETOWN (OH)	53.824	17.79	6.7703	2.665	1017.6	6.1884	775	281.27
NASHVILLE (TN)	60.757	16.028	5.8125	2.359	1018.3	5.7666	800.99	295.58
PALM BEACH (FL)	75.131	7.5076	7.7466	2.926	1017.6	3.6054	787.44	318.33
PHOENIX (AZ)	76.062	15.933	5.3481	2.002	1011.4	5.1708	1166.4	495.4
PORTLAND (ME)	47.892	17.254	6.5931	2.936	1015.5	8.0489	710.36	417.74
READING (PA)	53.53	17.414	5.7075	3.158	1017.4	6.9421	831.13	338.59
ROCHESTER (NY)	48.599	17.946	8.1002	3.406	1016.4	7.1265	913.1	379.36
SAN ANTONIO (TX)	69.704	13.446	7.5038	2.594	1016.2	5.8215	978.33	344.8
SOUTH BEND (IN)	50.584	18.462	7.8873	3.309	1017.3	6.6766	747.47	284.92
STEUBENVILLE (OH)	51.856	17.29	6.853	2.985	1017.8	6.2746	820.6	311.46
TOLEDO (OH)	52.112	17.755	8.0657	3.264	1017.4	6.541	788.4	300.13
TULSA (OK)	61.711	17.217	7.8584	3.242	1016	7.1056	914.83	373.19
WASHINGTON (PA)	51.192	16.736	4.9036	2.894	1017.7	6.4673	845.92	325.47
WORCESTER (MA)	48.911	17.47	8.8801	3.21	1016.3	7.4749	810.25	332.47
GREEN BAY (WI)	46.742	19.704	7.5685	3.13	1016.1	7.2931	760.67	283.93
KALAMAZOO (MI)	49.831	18.31	7.0358	3.016	1017.1	6.7959	715.46	273.9
TOPEKA (KS)	55.974	19.199	6.5676	3.04	1016.9	7.2995	800.11	332.03
ANNANDALE (VA)	58.741	16.676	5.7304	3.03	1017.8	6.713	838.27	394.4
ALLENTOWN (PA)	52.326	17.2	6.0619	2.764	1017.2	7.1342	913.72	349.91
ATLANTIC CITY (NJ)	53.74	16.458	7.6084	3.373	1017.5	7.0062	717.78	378.46
BALTIMORE (MD)	57.944	16.971	1.1096	2.204	1017.3	6.8877	826.08	382.96
BIRMINGHAM (AL)	63.389	14.704	5.1809	2.68	1018.5	5.2339	721.55	242.22
BUFFALO (NY)	49.424	17.626	8.7639	3.963	1016.6	6.9338	900.84	348.77
CHARLESTON (WV)	55.35	16.273	3.4363	2.356	1017.9	6.0451	890.11	342.55
CINCINNATI (OH)	54.801	17.062	5.1913	2.925	1018.2	6.3209	808.17	294.22
COLUMBUS (OH)	53.521	17.908	7.0935	3.248	1017.5	6.3982	754.79	279.81
DETROIT (MI)	51.119	18.661	7.3579	2.797	1017.1	6.9953	805.92	298.87
ELIZABETH (NJ)	55.833	17.247	8.5993	3.067	1017.1	6.9703	833.29	360.49
FORT WORTH (TX)	66.036	15.782	8.0772	3.272	1016.3	6.354	956.74	363.22
GETTYSBURG (PA)	52.676	17.307	3.8779	2.764	1017.4	7.073	904.36	372.04
HARRISBURG (PA)	53.47	17.201	5.8338	2.746	1017.6	7.0172	920.47	376.52
HOUSTON (TX)	69.998	12.062	6.5877	2.703	1017.3	5.409	719.02	246

KANSAS CITY (KS)	57.057	19.047	7.4327	2.892	1016.5	7.4033	774.88	327.76
LANCASTER (PA)	53.225	17.124	6.4507	3.267	1017.3	6.8589	813.38	349.59
LOS ANGELES (CA)	61.637	5.9332	4.3275	1.346	1015.3	3.6773	688.46	289.76
MILWAUKEE (WI)	49.333	19.364	8.897	2.716	1016.7	7.0566	755.29	290.35
NEW HAVEN (CT)	51.805	16.36	7.2352	3.699	1016.3	7.6824	810.43	389.74
OKLAHOMA CITY (OK)	61.147	17.131	10.008	3.882	1016	7.106	903.36	360.61
PATERSON (NJ)	53.357	17.361	4.4319	2.469	1017.6	7.1714	852.93	359.87
PITTSBURGH (PA)	52.39	17.715	6.6679	2.795	1017.7	6.5152	905.4	338.49
PORTLAND (OR)	53.982	10.889	6.537	3.017	1017.9	6.2168	935.75	353.27
RENO (NV)	55.328	16.353	5.3966	3.13	1015.7	6.3143	1341.8	478.67
SAN DIEGO (CA)	62.323	7.0138	4.6307	1.496	1015.3	3.5959	577.79	257.96
SARASOTA (FL)	72.518	8.8574	6.9766	2.32	1017.1	3.901	697.91	259.18
ST. LOUIS (MO)	56.669	17.858	6.177	2.874	1017.7	6.5894	783.97	302.61
TACOMA (WA)	51.749	9.1319	5.6641	2.765	1017.4	6.5829	958.88	516.13
UPPER MARLBORO (MD)	56.317	16.477	7.3649	3.111	1017.8	6.5701	806.33	398.13
WICHITA (KS)	57.455	18.761	9.8316	3.688	1016.3	7.2897	878.93	347.83
YORK (PA)	51.886	16.525	4.3663	2.983	1017.4	6.8371	836.93	360.16
GREENSBURG (PA)	53.893	17.814	6.0288	3.177	1017.5	6.4023	917.81	327.76
KENOSHA (WI)	47.064	19.184	8.467	3.282	1017.4	7.078	735.08	278.96