

Peak Air Quality Statistics for the Six Principal Pollutants by Metropolitan Statistical Area, 2000

Metropolitan Statistical Area	2000 Population	CO	Pb	NO ₂	O ₃	O ₃	PM ₁₀	PM ₁₀	PM _{2.5}	PM _{2.5}	SO ₂	SO ₂
		8-hr (ppm)	QMax (µg/m ³)	AM (ppm)	1-hr (ppm)	8-hr (ppm)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	AM (ppm)	24-hr (ppm)
Akron, OH PMSA	694,960	3	ND	ND	0.11	0.09	22	53	16.8	36	0.009	0.044
Albany, GA MSA	120,822	ND	ND	ND	ND	ND	IN	IN	17.4	IN	ND	ND
Albany—Schenectady—Troy, NY MSA	875,583	3	ND	ND	0.09	0.07	ND	ND	12.3	30	0.004	0.020
Albuquerque, NM MSA	712,738	4	ND	0.017	0.09	0.08	25	122	7.9	19	ND	ND
Alexandria, LA MSA	126,337	ND	ND	ND	ND	ND	ND	ND	13.3	30	ND	ND
Allentown—Bethlehem—Easton, PA MSA	637,958	3	0.11	0.017	0.11	0.09	IN	85	14.5	37	0.008	0.027
Altoona, PA MSA	129,144	1	ND	0.014	0.10	0.08	IN	51	ND	ND	0.006	0.045
Amarillo, TX MSA	217,858	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Anchorage, AK MSA	260,283	6	ND	ND	ND	ND	IN	108	6.1	20	ND	ND
Ann Arbor, MI PMSA	578,736	ND	0.00	ND	0.09	0.08	ND	ND	IN	IN	ND	ND
Appleton—Oshkosh—Neenah, WI	358,365	ND	ND	ND	0.09	0.07	ND	ND	11.5	32	ND	ND
Asheville, NC MSA	225,965	ND	ND	ND	0.11	0.09	18	38	15.1	IN	ND	ND
Athens, GA MSA	153,444	ND	ND	ND	ND	ND	ND	ND	19.0	IN	ND	ND
Atlanta, GA MSA	4,112,198	3	0.04	0.023	0.16	0.11	36	85	21.4	50	0.005	0.019
Atlantic—Cape May, NJ PMSA	354,878	ND	ND	ND	0.11	0.09	23	42	ND	ND	0.003	0.013
Augusta—Aiken, GA—SC MSA	477,441	ND	0.01	0.005	0.12	0.09	21	48	17.5	27	ND	ND
Austin—San Marcos, TX MSA	1,249,763	1	ND	0.005	0.11	0.09	23	50	12.1	27	ND	ND
Bakersfield, CA MSA	661,645	5	0.00	0.023	0.14	0.11	46	136	21.7	100	ND	ND
Baltimore, MD PMSA	2,552,994	3	0.01	0.024	0.12	0.10	29	75	19.7	IN	0.006	0.024
Bangor, ME MSA	90,864	ND	ND	ND	IN	IN	17	37	9.0	24	ND	ND
Baton Rouge, LA MSA	602,894	4	ND	0.017	0.14	0.10	IN	68	15.0	36	0.006	0.031
Beaumont—Port Arthur, TX MSA	385,090	ND	ND	0.008	0.16	0.10	ND	ND	IN	122	0.006	0.046
Bellingham, WA MSA	166,814	ND	ND	ND	0.06	0.05	15	29	8.4	21	ND	ND
Benton Harbor, MI MSA	162,453	ND	ND	ND	0.11	0.08	ND	ND	12.1	30	ND	ND
Bergen—Passaic, NJ PMSA	1,373,167	3	ND	ND	0.10	0.08	37	86	14.6	36	0.005	0.020
Billings, MT MSA	129,352	5	ND	ND	ND	ND	18	43	8.1	25	0.006	0.026
Biloxi—Gulfport—Pascagoula, MS MSA	363,988	ND	ND	0.005	0.14	0.09	16	35	IN	IN	0.003	0.033
Binghamton, NY MSA	252,320	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Birmingham, AL MSA	921,106	5	ND	0.011	0.13	0.10	27	125	22.3	53	IN	IN
Bismarck, ND MSA	94,719	ND	ND	ND	ND	ND	ND	ND	6.6	14	0.006	0.053
Bloomington—Normal, IL MSA	150,433	ND	ND	ND	ND	ND	ND	ND	14.9	33	ND	ND
Boise City, ID MSA	432,345	5	ND	IN	ND	ND	34	88	9.7	38	ND	ND
Boston, MA—NH PMSA	3,406,829	2	0.02	0.029	0.09	0.08	29	59	15.8	IN	0.006	0.030
Boulder—Longmont, CO PMSA	291,288	4	ND	ND	0.09	0.07	23	74	9.5	25	ND	ND
Brazoria, TX PMSA	241,767	ND	ND	ND	0.14	0.08	ND	ND	IN	IN	ND	ND
Bridgeport, CT PMSA	459,479	2	ND	0.018	0.12	0.09	20	51	IN	IN	0.006	0.024
Brockton, MA PMSA	255,459	ND	ND	0.007	0.09	0.07	ND	ND	IN	IN	ND	ND
Brownsville—Harlingen—San Benito, T	335,227	2	0.01	ND	0.08	0.06	25	58	IN	IN	0.001	0.002
Buffalo—Niagara Falls, NY MSA	1,170,111	2	0.02	0.022	0.11	0.09	IN	31	16.1	33	0.010	0.051
Burlington, VT MSA	169,391	2	ND	IN	ND	ND	12	28	8.3	17	IN	IN
Canton—Massillon, OH MSA	406,934	3	ND	ND	0.10	0.09	24	49	18.6	40	0.008	0.028
Casper, WY MSA	66,533	ND	ND	ND	ND	ND	17	38	ND	ND	ND	ND
Cedar Rapids, IA MSA	191,701	2	ND	0.005	0.08	0.08	IN	60	10.7	29	0.003	0.037
Champaign—Urbana, IL MSA	179,669	ND	ND	ND	0.08	0.07	ND	ND	14.8	28	0.002	0.016
Charleston—North Charleston, SC MSA	549,033	3	0.02	0.011	0.11	0.08	23	52	14.8	31	0.003	0.013
Charleston, WV MSA	251,662	ND	ND	ND	0.09	0.09	27	50	18.1	37	0.012	0.046
Charlotte—Gastonia—Rock Hill, NC—S	1,499,293	5	0.04	0.018	0.14	0.10	31	62	17.2	37	0.004	0.018
Charlottesville, VA MSA	159,576	ND	ND	ND	ND	ND	23	70	ND	ND	ND	ND
Chattanooga, TN—GA MSA	465,161	ND	ND	ND	0.12	0.10	30	67	IN	IN	ND	ND
Cheyenne, WY MSA	81,607	ND	ND	ND	ND	ND	16	30	5.6	13	ND	ND
Chicago, IL PMSA	8,272,768	4	0.15	0.032	0.10	0.08	35	123	20.2	43	0.012	0.075
Chico—Paradise, CA MSA	203,171	4	0.00	0.012	0.10	0.09	27	77	16.3	70	ND	ND
Cincinnati, OH—KY—IN PMSA	1,646,395	2	ND	0.022	0.11	0.09	32	70	19.7	44	0.009	0.053
Clarksville—Hopkinsville, TN—KY MSA	207,033	ND	ND	IN	0.11	0.09	23	51	IN	IN	0.006	0.018
Cleveland—Lorain—Elyria, OH PMSA	2,250,871	8	0.20 ^a	0.023	0.11	0.09	43	122	19.8	46	0.009	0.040
Colorado Springs, CO MSA	516,929	4	0.01	0.035	0.09	0.07	25	87	7.5	16	0.004	0.014
Columbia, SC MSA	536,691	4	0.07	0.014	0.12	0.10	46	132	16.3	28	0.003	0.014

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		8-hr (ppm)	QMax (µg/m ³)	AM (ppm)	1-hr (ppm)	8-hr (ppm)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	AM (ppm)	24-hr (ppm)
Columbus, GA—AL MSA	274,624	ND	0.11 ^b	ND	0.11	0.09	26	59	19.2	71	ND	ND
Columbus, OH MSA	1,540,157	3	0.03 ^c	ND	0.12	0.09	34	73	18.5	IN	0.004	0.019
Corpus Christi, TX MSA	380,783	ND	ND	ND	0.10	0.08	36	71	IN	IN	0.003	0.017
Dallas, TX PMSA	3,519,176	2	0.54 ^d	0.014	0.13	0.10	29	58	13.2	32	0.006	0.047
Danbury, CT PMSA	217,980	ND	ND	ND	0.12	0.09	ND	ND	IN	IN	0.003	0.017
Davenport—Moline—Rock Island, IA—I	359,062	ND	ND	IN	0.09	0.08	41	141	13.6	30	0.003	0.014
Dayton—Springfield, OH MSA	950,558	3	ND	ND	0.11	0.09	32	64	18.0	43	0.004	0.018
Daytona Beach, FL MSA	493,175	ND	ND	ND	0.09	0.08	21	53	10.5	26	ND	ND
Decatur, AL MSA	145,867	ND	ND	ND	0.11	0.09	23	53	IN	IN	0.002	0.005
Decatur, IL MSA	114,706	ND	ND	ND	0.09	0.08	ND	ND	15.0	31	0.005	0.025
Denver, CO PMSA	2,109,282	5	0.15	0.016	0.11	0.08	43	134	11.6	41	0.003	0.009
Des Moines, IA MSA	456,022	5	ND	ND	0.08	0.07	31	134	10.8	28	ND	ND
Detroit, MI PMSA	4,441,551	5	0.04	0.024	0.10	0.08	43	113	20.1	45	0.008	0.043
Dothan, AL MSA	137,916	ND	ND	ND	ND	ND	24	70	IN	IN	ND	ND
Dover, DE MSA	126,697	ND	ND	ND	0.13	0.09	ND	ND	12.9	23	ND	ND
Duluth—Superior, MN—WI MSA	243,815	2	ND	ND	0.07	0.07	29	69	8.2	24	ND	ND
Dutchess County, NY PMSA	280,150	ND	ND	ND	0.11	0.08	ND	ND	11.3	33	ND	ND
El Paso, TX MSA	679,622	9	0.10	0.029	0.12	0.08	46	124	9.8	23	0.002	0.006
Elkhart—Goshen, IN MSA	182,791	ND	ND	ND	0.08	0.06	ND	ND	15.7	IN	ND	ND
Elmira, NY MSA	91,070	ND	ND	ND	0.09	0.07	ND	ND	ND	ND	0.003	0.012
Enid, OK MSA	57,813	ND	ND	0.007	ND	ND	ND	ND	10.3	25	ND	ND
Erie, PA MSA	280,843	6	ND	0.012	0.10	0.08	IN	41	IN	IN	0.008	0.041
Eugene—Springfield, OR MSA	322,959	4	ND	ND	IN	IN	IN	69	IN	IN	ND	ND
Evansville—Henderson, IN—KY MSA	296,195	3	ND	0.016	0.10	0.09	28	68	16.1	39	0.015	0.084
Fargo—Moorhead, ND—MN MSA	174,367	ND	ND	0.007	0.07	0.06	17	39	8.2	29	0.001	0.003
Fayetteville, NC MSA	302,963	4	ND	ND	0.11	0.09	IN	52	16.2	67	ND	ND
Fayetteville—Springdale—Rogers, AR	311,121	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Fitchburg—Leominster, MA PMSA	142,284	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Flagstaff, AZ—UT MSA	122,366	ND	ND	ND	0.08	0.07	16	33	IN	IN	ND	ND
Flint, MI PMSA	436,141	ND	0.01	ND	0.09	0.07	19	36	12.9	32	0.004	0.015
Florence, AL MSA	142,950	ND	ND	ND	ND	ND	ND	ND	IN	IN	0.003	0.017
Florence, SC MSA	125,761	ND	0.01	ND	ND	ND	ND	ND	14.4	25	ND	ND
Fort Collins—Loveland, CO MSA	251,494	4	ND	ND	0.10	0.08	IN	66	8.3	20	ND	ND
Fort Lauderdale, FL PMSA	1,623,018	4	0.05	0.010	0.09	0.07	19	31	9.6	36	0.003	0.026
Fort Myers—Cape Coral, FL MSA	440,888	ND	ND	ND	0.09	0.08	19	43	9.6	25	ND	ND
Fort Pierce—Port St. Lucie, FL MSA	319,426	ND	ND	0.010	0.08	0.07	18	35	10.1	23	ND	ND
Fort Smith, AR—OK MSA	207,290	ND	ND	ND	ND	ND	ND	ND	13.5	27	ND	ND
Fort Wayne, IN MSA	502,141	4	ND	ND	0.10	0.09	24	60	15.7	47	ND	ND
Fort Worth—Arlington, TX PMSA	1,702,625	2	ND	0.015	0.12	0.10	23	42	12.7	29	ND	ND
Fresno, CA MSA	922,516	6	0.00	0.020	0.15	0.11	41	122	25.4	89	ND	ND
Gadsden, AL MSA	103,459	ND	ND	ND	ND	ND	26	64	IN	IN	ND	ND
Gainesville, FL MSA	217,955	ND	ND	ND	0.10	0.08	20	36	11.9	27	ND	ND
Galveston—Texas City, TX PMSA	250,158	ND	ND	0.005	0.14	0.09	27	53	IN	IN	0.004	0.037
Gary, IN PMSA	631,362	3	0.11	0.020	0.10	0.09	31	123	17.1	38	0.006	0.046
Goldsboro, NC MSA	113,329	ND	ND	ND	ND	ND	21	40	15.8	40	ND	ND
Grand Forks, ND—MN MSA	97,478	ND	ND	ND	ND	ND	ND	ND	8.2	25	ND	ND
Grand Junction, CO MSA	116,255	4	ND	ND	ND	ND	20	53	7.4	26	ND	ND
Grand Rapids—Muskegon—Holland, MI M	1,088,514	3	0.00	ND	0.12	0.08	21	49	13.8	35	0.002	0.010
Great Falls, MT MSA	80,357	4	ND	ND	ND	ND	ND	ND	IN	IN	IN	IN
Greeley, CO PMSA	180,936	4	ND	ND	0.09	0.07	21	58	8.9	28	ND	ND
Green Bay, WI MSA	226,778	ND	ND	ND	0.09	0.07	ND	ND	11.3	32	0.004	0.016
Greensboro—Winston-Salem—High Point	1,251,509	4	ND	0.018	0.12	0.10	24	51	17.8	38	0.005	0.019
Greenville, NC MSA	133,798	ND	ND	ND	0.11	0.08	19	36	13.9	41	0.003	0.007
Greenville—Spartanburg—Anderson, SC	962,441	4	0.02	0.016	0.12	0.09	24	54	16.5	32	0.003	0.011
Hagerstown, MD PMSA	131,923	ND	ND	ND	0.10	0.08	ND	ND	15.6	29	ND	ND
Hamilton—Middletown, OH PMSA	332,807	ND	0.01	ND	0.10	0.08	32	69	17.0	38	0.006	0.023
Harrisburg—Lebanon—Carlisle, PA MSA	629,401	2	ND	0.017	0.11	0.09	IN	53	15.8	23	0.005	0.024

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		8-hr (ppm)	QMax (µg/m ³)	AM (ppm)	1-hr (ppm)	8-hr (ppm)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	AM (ppm)	24-hr (ppm)
Hartford, CT MSA	1,183,110	7	ND	0.017	0.12	0.09	18	39	IN	IN	0.004	0.021
Hattiesburg, MS MSA	111,674	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Hickory—Morganton—Lenoir, NC MSA	341,851	ND	ND	ND	0.11	0.09	22	42	17.4	38	ND	ND
Honolulu, HI MSA	876,156	2	ND	0.005	0.05	0.04	16	52	4.9	10	0.002	0.007
Houma, LA MSA	194,477	ND	ND	ND	0.12	0.09	ND	ND	12.4	29	ND	ND
Houston, TX PMSA	4,177,646	4	0.01	0.021	0.19	0.12	46	102	IN	IN	0.006	0.031
Huntington—Ashland, WV—KY—OH MSA	315,538	1	ND	0.015	0.09	0.08	32	80	17.6	40	0.012	0.046
Huntsville, AL MSA	342,376	2	ND	ND	0.11	0.09	24	80	IN	IN	ND	ND
Indianapolis, IN MSA	1,607,486	4	0.12 ^e	0.017	0.10	0.09	27	67	17.8	36	0.007	0.025
Iowa City, IA MSA	111,006	ND	ND	ND	ND	ND	ND	ND	10.9	28	ND	ND
Jackson, MS MSA	440,801	3	ND	ND	0.10	0.08	24	64	15.6	35	0.002	0.006
Jackson, TN MSA	107,377	ND	ND	ND	ND	ND	23	44	IN	IN	ND	ND
Jacksonville, FL MSA	1,100,491	4	0.03	0.015	0.11	0.08	26	65	IN	IN	0.007	0.055
Jacksonville, NC MSA	150,355	ND	ND	ND	ND	ND	17	32	12.3	34	ND	ND
Jamestown, NY MSA	139,750	ND	ND	ND	0.11	0.09	14	32	IN	IN	0.008	0.065
Janesville—Beloit, WI MSA	152,307	ND	ND	ND	0.10	0.08	ND	ND	13.3	29	ND	ND
Jersey City, NJ PMSA	608,975	5	ND	0.026	0.10	0.08	IN	63	17.5	69	0.008	0.025
Johnson City—Kingsport—Bristol, TN-	480,091	2	0.20	0.015	0.13	0.10	ND	ND	16.4	29	0.011	0.043
Johnstown, PA MSA	232,621	2	0.05	0.015	0.10	0.09	IN	51	15.9	IN	0.007	0.026
Jonesboro, AR MSA	82,148	ND	ND	ND	ND	ND	ND	ND	15.2	IN	ND	ND
Joplin, MO MSA	157,322	ND	ND	ND	ND	ND	IN	126	13.2	26	ND	ND
Kalamazoo—Battle Creek, MI MSA	452,851	ND	ND	ND	0.09	0.07	IN	IN	15.1	37	ND	ND
Kansas City, MO—KS MSA	1,776,062	5	0.01	0.017	0.12	0.09	37	64	13.4	32	0.004	0.039
Kenosha, WI PMSA	149,577	ND	ND	ND	0.10	0.09	ND	ND	11.4	27	ND	ND
Knoxville, TN MSA	687,249	3	0.00	0.013	0.13	0.10	34	125	IN	IN	0.010	0.060
Kokomo, IN MSA	101,541	ND	ND	ND	ND	ND	ND	ND	15.6	35	ND	ND
Lafayette, LA MSA	385,647	ND	ND	ND	0.12	0.09	ND	ND	13.0	33	ND	ND
Lafayette, IN MSA	182,821	ND	ND	ND	ND	ND	ND	ND	15.6	35	ND	ND
Lake Charles, LA MSA	183,577	ND	ND	0.005	0.13	0.09	ND	ND	13.1	34	0.004	0.013
Lakeland—Winter Haven, FL MSA	483,924	ND	ND	ND	0.10	0.08	23	121	12.2	28	0.005	0.018
Lancaster, PA MSA	470,658	2	ND	0.014	0.11	0.09	IN	56	18.4	IN	0.005	0.024
Lansing—East Lansing, MI MSA	447,728	ND	ND	IN	0.09	0.08	ND	ND	13.6	38	ND	ND
Laredo, TX MSA	193,117	6	0.04	ND	0.09	0.07	31	56	12.1	23	ND	ND
Las Cruces, NM MSA	174,682	4	ND	0.012	0.12	0.08	42	96	10.5	31	0.001	0.003
Las Vegas, NV—AZ MSA	1,563,282	7	ND	ND	0.09	0.08	48	188	10.8	32	ND	ND
Lawrence, MA—NH PMSA	396,230	ND	ND	ND	0.07	0.06	ND	ND	IN	IN	0.004	0.020
Lawton, OK MSA	114,996	1	ND	ND	0.09	0.09	ND	ND	9.1	19	ND	ND
Lewiston—Auburn, ME MSA	90,830	ND	ND	ND	ND	ND	IN	36	9.6	26	0.004	0.018
Lexington, KY MSA	479,198	2	ND	0.013	0.09	0.08	21	49	IN	IN	0.005	0.020
Lima, OH MSA	155,084	ND	ND	ND	0.10	0.09	IN	42	ND	ND	0.003	0.015
Lincoln, NE MSA	250,291	3	ND	ND	0.07	0.06	ND	ND	IN	IN	ND	ND
Little Rock—North Little Rock, AR MS	583,845	3	ND	0.010	0.11	0.09	25	48	15.7	34	0.002	0.007
Longview—Marshall, TX MSA	208,780	ND	ND	0.006	0.13	0.10	ND	ND	13.4	29	0.002	0.011
Los Angeles—Long Beach, CA PMSA	9,519,338	10	0.06	0.044	0.17	0.11	46	93	23.9	83	0.003	0.010
Louisville, KY—IN MSA	1,025,598	4	ND	0.013	0.11	0.09	31	84	18.6	IN	0.015	0.037
Lowell, MA—NH PMSA	301,686	3	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Lubbock, TX MSA	242,628	ND	ND	ND	ND	ND	IN	38	7.4	19	ND	ND
Lynchburg, VA MSA	214,911	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Macon, GA MSA	322,549	ND	ND	ND	0.13	0.10	IN	48	18.6	37	0.003	0.015
Madison, WI MSA	426,526	2	ND	ND	0.09	0.07	22	57	13.2	34	ND	ND
Manchester, NH PMSA	198,378	ND	ND	0.011	0.09	0.06	IN	39	IN	IN	0.005	0.022
Mansfield, OH MSA	175,818	ND	ND	ND	ND	ND	IN	53	ND	ND	ND	ND
Mayaguez, PR MSA	253,347	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
McAllen—Edinburg—Mission, TX MSA	569,463	ND	ND	ND	0.09	0.08	IN	53	11.0	23	ND	ND
Medford—Ashland, OR MSA	181,269	5	ND	ND	0.08	0.07	IN	68	11.4	49	ND	ND
Melbourne—Titusville—Palm Bay, FL M	476,230	ND	ND	ND	0.09	0.08	IN	34	IN	IN	ND	ND
Memphis, TN—AR—MS MSA	1,135,614	4	0.59 ^f	0.025	0.12	0.09	28	71	15.7	IN	0.006	0.038

Peak Air Quality Statistics for the Six Principal Pollutants by Metropolitan Statistical Area, 2000 (continued)

Metropolitan Statistical Area	2000 Population	CO	Pb	NO ₂	O ₃	O ₃	PM ₁₀	PM ₁₀	PM _{2.5}	PM _{2.5}	SO ₂	SO ₂
		8-hr (ppm)	QMax (µg/m ³)	AM (ppm)	1-hr (ppm)	8-hr (ppm)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	AM (ppm)	24-hr (ppm)
Merced, CA MSA	210,554	ND	ND	0.012	0.12	0.10	35	89	17.3	47	ND	ND
Miami, FL PMSA	2,253,362	3	ND	0.016	0.09	0.08	26	51	11.3	24	0.002	0.003
Middlesex—Somerset—Hunterdon, NJ PM	1,169,641	3	0.15 ^g	0.019	0.11	0.09	ND	ND	IN	IN	0.005	0.018
Milwaukee—Waukesha, WI PMSA	1,500,741	2	ND	0.021	0.10	0.09	21	59	14.2	35	0.004	0.026
Minneapolis—St. Paul, MN—WI MSA	2,968,806	5	0.40 ^h	0.022	0.09	0.07	36	103	IN	IN	0.003	0.023
Mobile, AL MSA	540,258	ND	ND	ND	0.12	0.10	24	150	IN	IN	0.002	0.008
Modesto, CA MSA	446,997	4	0.00	0.018	0.11	0.09	35	100	18.9	71	ND	ND
Monmouth—Ocean, NJ PMSA	1,126,217	3	ND	ND	0.14	0.11	ND	ND	IN	IN	ND	ND
Monroe, LA MSA	147,250	ND	ND	ND	0.10	0.08	ND	ND	13.3	27	0.002	0.003
Montgomery, AL MSA	333,055	ND	ND	ND	0.11	0.09	25	61	IN	IN	ND	ND
Muncie, IN MSA	118,769	ND	0.58 ⁱ	ND	ND	ND	ND	ND	16.1	49	ND	ND
Myrtle Beach, SC MSA	196,629	ND	0.01	ND	ND	ND	ND	ND	IN	IN	ND	ND
Naples, FL MSA	251,377	ND	ND	ND	ND	ND	IN	IN	ND	ND	ND	ND
Nashua, NH PMSA	190,949	4	ND	ND	0.09	0.07	15	33	ND	ND	0.004	0.020
Nashville, TN MSA	1,231,311	6	1.50 ^j	0.019	0.12	0.09	34	65	IN	IN	0.004	0.040
Nassau—Suffolk, NY PMSA	2,753,913	3	ND	0.024	0.13	0.09	17	38	12.2	36	0.007	0.025
New Bedford, MA PMSA	175,198	ND	ND	ND	0.10	0.08	ND	ND	IN	IN	ND	ND
New Haven—Meriden, CT PMSA	542,149	3	ND	0.025	0.14	0.09	32	86	16.2	40	0.006	0.031
New London—Norwich, CT—RI MSA	293,566	ND	ND	ND	0.14	0.08	16	40	IN	IN	ND	ND
New Orleans, LA MSA	1,337,726	4	0.12	0.019	0.12	0.10	IN	57	14.1	37	0.005	0.020
New York, NY PMSA	9,314,235	4	0.02	0.038	0.12	0.09	23	57	18.4	48	0.013	0.046
Newark, NJ PMSA	2,032,989	5	ND	0.041	0.11	0.09	35	108	18.7	47	0.009	0.025
Newburgh, NY—PA PMSA	387,669	ND	0.18 ^k	ND	0.10	0.08	ND	ND	IN	IN	ND	ND
Norfolk—Virginia Beach—Newport News	1,569,541	4	ND	0.016	0.10	0.08	22	41	13.6	26	0.007	0.023
Oakland, CA PMSA	2,392,557	3	0.00	0.020	0.13	0.08	22	63	11.2	50	0.003	0.021
Ocala, FL MSA	258,916	ND	ND	ND	0.09	0.08	ND	ND	11.0	24	ND	ND
Odessa—Midland, TX MSA	237,132	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Oklahoma City, OK MSA	1,083,346	4	ND	0.013	0.10	0.09	26	62	11.5	29	0.003	0.007
Olympia, WA PMSA	207,355	5	ND	ND	0.08	0.06	15	36	10.3	41	ND	ND
Omaha, NE—IA MSA	716,998	3	0.08 ^l	ND	0.08	0.07	48	124	11.5	28	0.001	0.016
Orange County, CA PMSA	2,846,289	6	ND	0.029	0.12	0.08	40	119	20.4	37	0.002	0.005
Orlando, FL MSA	1,644,561	3	ND	0.012	0.11	0.08	26	53	12.1	31	0.003	0.009
Owensboro, KY MSA	91,545	1	ND	0.011	0.08	0.07	20	64	IN	IN	0.005	0.018
Panama City, FL MSA	148,217	ND	ND	ND	0.12	0.09	25	46	ND	ND	ND	ND
Parkersburg—Marietta, WV—OH MSA	151,237	ND	ND	ND	0.11	0.09	21	75	17.5	36	0.011	0.036
Pensacola, FL MSA	412,153	ND	ND	0.010	0.12	0.10	22	38	13.9	32	0.005	0.032
Peoria—Pekin, IL MSA	347,387	3	0.02	ND	0.08	0.07	24	54	14.8	32	0.006	0.063
Philadelphia, PA—NJ PMSA	5,100,931	4	0.05	0.028	0.13	0.10	29	76	16.0	34	0.010	0.027
Phoenix—Mesa, AZ MSA	3,251,876	7	ND	0.036	0.11	0.09	70	232	IN	IN	0.003	0.016
Pine Bluff, AR MSA	84,278	ND	ND	ND	ND	ND	ND	ND	15.0	27	ND	ND
Pittsburgh, PA MSA	2,358,695	3	0.07	0.025	0.11	0.09	39	124	20.0	84	0.013	0.086
Pittsfield, MA MSA	84,699	ND	ND	ND	IN	IN	ND	ND	IN	IN	ND	ND
Pocatello, ID MSA	75,565	ND	ND	ND	ND	ND	31	94	10.5	57	0.008	0.036
Ponce, PR MSA	361,094	ND	ND	ND	ND	ND	40	77	IN	IN	ND	ND
Portland, ME MSA	243,537	ND	ND	ND	0.08	0.07	27	74	11.0	35	0.005	0.018
Portland—Vancouver, OR—WA PMSA	1,918,009	6	0.11	0.012	0.08	0.07	16	45	10.8	40	ND	ND
Portsmouth—Rochester, NH—ME PMSA	240,698	ND	ND	0.010	0.09	0.07	13	33	IN	IN	0.003	0.013
Providence—Fall River—Warwick, RI—	1,188,613	4	ND	0.020	0.12	0.09	29	91	14.9	36	0.007	0.042
Provo—Orem, UT MSA	368,536	6	ND	0.024	0.10	0.08	32	89	10.1	34	ND	ND
Pueblo, CO MSA	141,472	ND	ND	ND	ND	ND	24	64	7.9	22	ND	ND
Racine, WI PMSA	188,831	2	ND	ND	0.10	0.08	ND	ND	ND	ND	ND	ND
Raleigh—Durham—Chapel Hill, NC MSA	1,187,941	5	ND	ND	0.12	0.09	23	51	16.5	52	ND	ND
Rapid City, SD MSA	88,565	ND	ND	ND	IN	IN	38	139	IN	IN	ND	ND
Reading, PA MSA	373,638	2	0.33 ^m	0.020	0.11	0.08	IN	45	16.9	34	0.008	0.028
Redding, CA MSA	163,256	ND	ND	ND	0.11	0.08	24	47	IN	IN	ND	ND
Reno, NV MSA	339,486	5	ND	0.008	0.09	0.07	42	96	9.0	31	ND	ND
Richland—Kennewick—Pasco, WA MSA	191,822	ND	ND	ND	ND	ND	IN	140	IN	IN	ND	ND

Peak Air Quality Statistics for the Six Principal Pollutants by Metropolitan Statistical Area, 2000 (continued)

Metropolitan Statistical Area	2000 Population	CO	Pb	NO ₂	O ₃	O ₃	PM ₁₀	PM ₁₀	PM _{2.5}	PM _{2.5}	SO ₂	SO ₂
		8-hr (ppm)	QMax (µg/m ³)	AM (ppm)	1-hr (ppm)	8-hr (ppm)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	AM (ppm)	24-hr (ppm)
Richmond—Petersburg, VA MSA	996,512	3	ND	0.017	0.11	0.08	IN	42	15.1	30	0.006	0.017
Riverside—San Bernardino, CA PMSA	3,254,821	4	0.05	0.038	0.17	0.12	59	190	28.4	81	0.003	0.026
Roanoke, VA MSA	235,932	3	ND	0.011	0.10	0.08	32	66	15.9	33	0.003	0.014
Rochester, MN MSA	124,277	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Rochester, NY MSA	1,098,201	3	ND	ND	0.09	0.07	ND	ND	11.8	28	0.006	0.021
Rockford, IL MSA	371,236	3	ND	ND	0.08	0.07	ND	ND	15.0	36	ND	ND
Rocky Mount, NC MSA	143,026	ND	ND	ND	0.11	0.09	20	41	14.7	35	ND	ND
Sacramento, CA PMSA	1,628,197	6	0.00	0.019	0.13	0.10	27	82	12.3	81	IN	IN
Saginaw—Bay City—Midland, MI MSA	403,070	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
St. Cloud, MN MSA	167,392	3	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
St. Joseph, MO MSA	102,490	ND	ND	ND	ND	ND	31	80	11.8	27	IN	IN
St. Louis, MO—IL MSA	2,603,607	4	6.86ⁿ	0.026	0.12	0.09	45	116	20.6	43	0.008	0.043
Salem, OR PMSA	347,214	IN	ND	ND	0.07	0.06	ND	ND	8.9	31	ND	ND
Salinas, CA MSA	401,762	1	ND	0.007	0.08	0.06	30	70	8.0	22	ND	ND
Salt Lake City—Ogden, UT MSA	1,333,914	6	0.07	0.026	0.10	0.08	46	117	14.2	57	0.004	0.013
San Antonio, TX MSA	1,592,383	3	ND	0.018	0.10	0.08	IN	IN	IN	IN	ND	ND
San Diego, CA MSA	2,813,833	5	0.02	0.024	0.12	0.10	31	86	15.9	IN	0.004	0.011
San Francisco, CA PMSA	1,731,183	4	0.00	0.020	0.08	0.05	24	53	10.9	43	0.002	0.007
San Jose, CA PMSA	1,682,585	7	0.00	0.025	0.10	0.07	27	68	13.5	57	ND	ND
San Juan—Bayamon, PR PMSA	1,967,627	6	0.02	0.018	0.10	0.05	37	102	7.3	18	0.006	0.058
San Luis Obispo—Atascadero—Paso Rob	246,681	2	ND	0.012	0.08	0.07	21	102	10.5	41	0.005	0.028
Santa Barbara—Santa Maria—Lompoc, C	399,347	3	0.00	0.018	0.10	0.08	26	62	9.7	19	0.002	0.003
Santa Cruz—Watsonville, CA PMSA	255,602	1	ND	0.005	0.09	0.06	26	50	7.9	18	0.001	0.003
Santa Fe, NM MSA	147,635	2	ND	ND	ND	ND	11	28	5.2	10	ND	ND
Santa Rosa, CA PMSA	458,614	3	ND	0.013	0.08	0.06	18	40	10.3	40	ND	ND
Sarasota—Bradenton, FL MSA	589,959	4	ND	0.009	0.11	0.09	26	48	11.0	30	0.002	0.019
Savannah, GA MSA	293,000	ND	ND	ND	0.10	0.08	26	66	15.1	IN	0.003	0.024
Scranton—Wilkes-Barre—Hazleton, PA	624,776	2	ND	0.015	0.09	0.08	IN	46	12.7	33	0.006	0.026
Seattle—Bellevue—Everett, WA PMSA	2,414,616	6	ND	0.021	0.10	0.07	23	66	12.7	43	0.003	0.011
Sharon, PA MSA	120,293	ND	ND	ND	0.10	0.08	ND	ND	IN	IN	0.007	0.024
Sheboygan, WI MSA	112,646	ND	ND	ND	0.11	0.09	ND	ND	ND	ND	ND	ND
Shreveport—Bossier City, LA MSA	392,302	ND	ND	ND	0.13	0.09	24	51	13.8	31	0.002	0.006
Sioux City, IA—NE MSA	124,130	ND	ND	ND	ND	ND	25	76	9.5	31	ND	ND
Sioux Falls, SD MSA	172,412	ND	ND	ND	IN	IN	20	53	IN	IN	ND	ND
South Bend, IN MSA	265,559	ND	ND	0.016	0.10	0.08	19	35	13.7	36	ND	ND
Spokane, WA MSA	417,939	6	ND	ND	0.08	0.07	28	87	11.0	38	ND	ND
Springfield, IL MSA	201,437	2	ND	ND	0.10	0.08	26	54	13.4	32	0.005	0.035
Springfield, MO MSA	325,721	3	ND	0.012	0.09	0.08	18	35	12.3	27	0.005	0.077
Springfield, MA MSA	591,932	4	ND	0.026	0.10	0.08	28	57	15.9	37	0.005	0.023
Stamford—Norwalk, CT PMSA	353,556	3	ND	ND	0.12	0.08	31	67	IN	IN	0.005	0.026
State College, PA MSA	135,758	ND	ND	ND	0.11	0.08	ND	ND	IN	IN	ND	ND
Steubenville—Weirton, OH—WV MSA	132,008	8	ND	ND	0.10	0.08	31	95	19.1	47	0.014	0.069
Stockton—Lodi, CA MSA	563,598	4	0.00	0.020	0.11	0.08	32	79	17.3	IN	ND	ND
Sumter, SC MSA	104,646	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Syracuse, NY MSA	732,117	2	ND	ND	0.08	0.07	ND	ND	IN	IN	0.003	0.022
Tacoma, WA PMSA	700,820	6	ND	ND	0.08	0.06	28	58	13.0	49	ND	ND
Tallahassee, FL MSA	284,539	ND	ND	ND	0.09	0.08	18	46	IN	IN	ND	ND
Tampa—St. Petersburg—Clearwater, FL	2,395,997	3	2.01^o	0.013	0.11	0.08	33	73	13.5	43	0.006	0.031
Terre Haute, IN MSA	149,192	ND	ND	ND	0.09	0.08	25	54	15.7	37	0.012	0.055
Texarkana, TX—Texarkana, AR MSA	129,749	ND	ND	ND	ND	ND	ND	ND	14.7	31	ND	ND
Toledo, OH MSA	618,203	ND	0.33	ND	0.10	0.08	23	60	IN	IN	0.005	0.017
Topeka, KS MSA	169,871	ND	ND	ND	ND	ND	20	49	10.8	23	ND	ND
Trenton, NJ PMSA	350,761	ND	ND	0.016	0.11	0.10	26	55	14.7	43	ND	ND
Tucson, AZ MSA	843,746	5	ND	0.017	0.09	0.08	39	123	IN	IN	0.002	0.007
Tulsa, OK MSA	803,235	4	ND	0.015	0.12	0.09	25	58	12.1	30	0.006	0.027
Tuscaloosa, AL MSA	164,875	ND	ND	ND	ND	ND	IN	68	IN	IN	ND	ND
Tyler, TX MSA	174,706	ND	ND	0.006	0.10	0.09	ND	ND	ND	ND	ND	ND

Peak Air Quality Statistics for the Six Principal Pollutants by Metropolitan Statistical Area, 2000 (continued)

Metropolitan Statistical Area	2000 Population	CO	Pb	NO ₂	O ₃	O ₃	PM ₁₀	PM ₁₀	PM _{2.5}	PM _{2.5}	SO ₂	SO ₂
		8-hr (ppm)	QMax (µg/m ³)	AM (ppm)	1-hr (ppm)	8-hr (ppm)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	Wtd AM (µg/m ³)	24-hr (µg/m ³)	AM (ppm)	24-hr (ppm)
Utica—Rome, NY MSA	299,896	ND	ND	ND	0.08	0.07	9	23	11.8	34	0.001	0.007
Vallejo—Fairfield—Napa, CA PMSA	518,821	5	ND	0.013	0.10	0.07	18	46	11.6	60	0.002	0.005
Ventura, CA PMSA	753,197	3	0.00	0.020	0.12	0.10	31	80	IN	IN	0.002	0.007
Victoria, TX MSA	84,088	ND	ND	ND	0.09	0.08	ND	ND	ND	ND	ND	ND
Vineland—Millville—Bridgeton, NJ PM	146,438	ND	ND	ND	0.12	0.09	ND	ND	ND	ND	0.004	0.017
Visalia—Tulare—Porterville, CA MSA	368,021	3	ND	0.018	0.12	0.11	53	127	23.7	103	ND	ND
Waco, TX MSA	213,517	ND	ND	ND	ND	ND	ND	ND	IN	IN	ND	ND
Washington, DC—MD—VA—WV PMSA	4,923,153	5	0.00	0.023	0.13	0.09	24	68	18.9	50	0.011	0.030
Waterbury, CT PMSA	228,984	ND	0.02	ND	ND	ND	21	41	IN	IN	0.004	0.017
Waterloo—Cedar Falls, IA MSA	128,012	ND	ND	ND	ND	ND	31	71	11.6	29	ND	ND
Wausau, WI MSA	125,834	ND	ND	ND	0.08	0.07	IN	IN	ND	ND	ND	ND
West Palm Beach—Boca Raton, FL MSA	1,131,184	3	ND	0.016	0.09	0.08	IN	38	9.4	27	0.002	0.008
Wheeling, WV—OH MSA	153,172	2	ND	ND	0.09	0.07	28	62	16.3	35	0.013	0.044
Wichita, KS MSA	545,220	6	ND	ND	0.09	0.08	26	87	12.7	29	ND	ND
Williamsport, PA MSA	120,044	ND	ND	ND	0.09	0.07	IN	IN	ND	ND	0.005	0.019
Wilmington—Newark, DE—MD PMSA	586,216	3	ND	IN	0.13	0.11	26	46	16.8	29	0.007	0.047
Wilmington, NC MSA	233,450	4	ND	ND	0.10	0.08	17	36	12.5	32	0.006	0.030
Worcester, MA—CT PMSA	511,389	3	ND	0.018	0.10	0.08	19	54	12.1	33	0.006	0.019
Yakima, WA MSA	222,581	3	ND	ND	ND	ND	27	58	IN	IN	ND	ND
Yolo, CA PMSA	168,660	1	ND	0.011	0.10	0.08	26	66	10.3	38	ND	ND
York, PA MSA	381,751	2	ND	0.018	0.11	0.09	IN	53	16.6	31	0.006	0.020
Youngstown—Warren, OH MSA	594,746	ND	ND	ND	0.10	0.08	27	128	15.9	35	0.007	0.024
Yuba City, CA MSA	139,149	4	ND	0.013	0.10	0.08	28	66	11.5	38	ND	ND
Yuma, AZ MSA	160,026	ND	ND	ND	0.08	0.06	IN	IN	ND	ND	ND	ND

- CO – Highest second maximum non-overlapping 8-hour concentration (*Applicable NAAQS is 9 ppm*)
- Pb – Highest quarterly maximum concentration (*Applicable NAAQS is 1.5 µg/m³*)
- NO₂ – Highest arithmetic mean concentration (*Applicable NAAQS is 0.053 ppm*)
- O₃ (1-hr) – Highest second daily maximum 1-hour concentration (*Applicable NAAQS is 0.12 ppm*)
- O₃ (8-hr) – Highest fourth daily maximum 8-hour concentration (*Applicable NAAQS is 0.08 ppm*)
- PM₁₀ – Highest weighted annual mean concentration (*Applicable NAAQS is 50 µg/m³*)
- PM₁₀ – Highest second maximum 24-hour concentration (*Applicable NAAQS is 150 µg/m³*)
- PM_{2.5} – Highest weighted annual mean concentration (*Applicable NAAQS is 15 µg/m³*)
- PM_{2.5} – Highest 98th percentile 24-hour concentration (*Applicable NAAQS is 65 µg/m³*)
- SO₂ – Highest annual mean concentration (*Applicable NAAQS is 0.03 ppm*)
- SO₂ – Highest second maximum 24-hour concentration (*Applicable NAAQS is 0.14 ppm*)
- ND – Indicates data not available
- IN – Indicates insufficient data to calculate summary statistic
- Wtd – Weighted
- AM – Annual mean
- QMax – Quarterly maximum
- µg/m³ – Units are micrograms per cubic meter
- ppm – Units are parts per million

- (a) Localized impact from an industrial source in Cleveland, OH. Highest population-oriented site in MSA is in Cleveland, OH (0.03 µg/m³).
- (b) Localized impact from an industrial source in Columbus, GA.
- (c) Localized impact from an industrial source in Columbus, OH.
- (d) Localized impact from an industrial source in Frisco, TX. Highest population-oriented site in MSA is in Dallas, TX (0.13 µg/m³).
- (e) Localized impact from an industrial source in Indianapolis, IN.
- (f) Localized impact from an industrial source in Memphis, TN. Highest population-oriented site in MSA is in Memphis, TN (0.03 µg/m³).
- (g) Localized impact from an industrial source in New Brunswick, NJ.
- (h) Localized impact from an industrial source in Eagan, MN. Highest population-oriented site in MSA is in Minneapolis, MN (0.01 µg/m³).
- (i) Localized impact from an industrial source in Muncie, IN.
- (j) Localized impact from an industrial source in Williamson Co., TN.
- (k) Localized impact from an industrial source in Middletown, NY. Highest population-oriented site in MSA is in Middletown, NY (0.03 µg/m³).
- (l) Localized impact from an industrial source in Omaha, NE.
- (m) Localized impact from an industrial source in Reading, PA.
- (n) Localized impact from an industrial source in Herculaneum, MO. Highest population-oriented site in MSA is in Wood River, IL (0.09 µg/m³).
- (o) Localized impact from an industrial source in Tampa, FL.

Notes: Data from exceptional events are not included. Values above the applicable NAAQS appear in **bold**. The reader is cautioned that this summary is not adequate in itself to numerically rank MSAs according to their air quality. The monitoring data represent the quality of air in the vicinity of the monitoring site but may not necessarily represent urban-wide air quality.