

## Existing Per Capita Power Plant Impacts by MSA

Rank	Metro Area	Total Mortality (Annual)	Mortality Risk per 100,000 Adults
1	Johnstown, PA MSA	30	25.5
2	Cumberland, MD-WV MSA	17	20.8
3	Weirton-Steubenville, WV-OH MSA	21	20.7
4	Altoona, PA MSA	21	20.6
5	Sandusky, OH MSA	12	19.8
6	Wheeling, WV-OH MSA	23	19.3
7	Youngstown-Warren-Boardman, OH-PA MSA	85	18.6
8	Mansfield, OH MSA	18	18.4
9	Springfield, OH MSA	20	18.0
10	Pittsburgh, PA MSA	340	17.9
11	Scranton--Wilkes-Barre, PA MSA	78	17.5
12	Roanoke, VA MSA	40	16.7
13	Erie, PA MSA	36	16.5
14	Ocean City, NJ MSA	13	16.4
15	Winchester, VA-WV MSA	15	16.3
16	Morristown, TN MSA	17	16.1
17	Canton-Massillon, OH MSA	50	15.9
18	Kingsport-Bristol, TN-VA MSA	30	15.9
19	Bristol, VA MSA	9	15.8
20	Lebanon, PA MSA	16	15.6
21	Danville, VA MSA	13	15.6
22	Johnson City, TN MSA	24	15.5
23	Lynchburg, VA MSA	28	14.8
24	Gadsden, AL MSA	12	14.7
25	Lima, OH MSA	12	14.7
26	Anderson, IN MSA	15	14.3
27	Williamsport, PA MSA	13	14.2
28	Cleveland-Elyria-Mentor, OH MSA	228	14.1
29	Hagerstown-Martinsburg, MD-WV MSA	28	14.1
30	Parkersburg-Marietta, WV-OH MSA	18	14.0
31	Battle Creek, MI MSA	15	13.9

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Rank	Metro Area	Total Mortality (Annual)	Mortality Risk per 100,000 Adults
32	Dayton, OH MSA	89	13.8
33	Asheville, NC MSA	45	13.7
34	Columbus, IN MSA	8	13.5
35	Akron, OH MSA	73	13.5
36	Owensboro, KY MSA	12	13.5
37	Evansville, IN-KY MSA	37	13.5
38	Knoxville, TN MSA	72	13.4
39	Terre Haute, IN MSA	18	13.3
40	Elmira, NY MSA	9	13.3
41	Huntington-Ashland, WV-KY-OH MSA	30	13.2
42	Charleston, WV MSA	32	13.0
43	Allentown-Bethlehem-Easton, PA-NJ MSA	81	13.0
44	Kokomo, IN MSA	10	12.9
45	Hickory-Morganton-Lenoir, NC MSA	37	12.9
46	Anniston-Oxford, AL MSA	11	12.6
47	Muncie, IN MSA	12	12.6
48	Salisbury, MD MSA	12	12.6
49	Binghamton, NY MSA	24	12.5
50	Cleveland, TN MSA	11	12.4
51	Richmond, VA MSA	115	12.4
52	Lexington-Fayette, KY MSA	43	12.3
53	Toledo, OH MSA	60	12.0
54	Cincinnati-Middletown, OH-KY-IN MSA	190	11.9
55	Monroe, MI MSA	14	11.9
56	Decatur, IL MSA	10	11.8
57	Reading, PA MSA	37	11.8
58	Charlottesville, VA MSA	18	11.8
59	Chattanooga, TN-GA MSA	46	11.7
60	Harrisburg-Carlisle, PA MSA	49	11.7
61	Morgantown, WV MSA	11	11.6
62	Buffalo-Cheektowaga-Tonawanda, NY MSA	102	11.6
63	Blacksburg-Christiansburg-Radford, VA MSA	15	11.6
64	Winston-Salem, NC MSA	42	11.4

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Rank	Metro Area	Total Mortality (Annual)	Mortality Risk per 100,000 Adults
65	Danville, IL MSA	7	11.4
66	Muskegon-Norton Shores, MI MSA	15	11.3
67	Bay City, MI MSA	9	11.2
68	Anderson, SC MSA	16	11.1
69	Elizabethtown, KY MSA	9	11.1
70	Rocky Mount, NC MSA	13	11.1
71	Rome, GA MSA	8	11.0
72	Jackson, MI MSA	14	11.0
73	Louisville, KY-IN MSA	104	11.0
74	York-Hanover, PA MSA	35	10.9
75	Vineland-Millville-Bridgeton, NJ MSA	13	10.9
76	Burlington, NC MSA	12	10.9
77	Utica-Rome, NY MSA	25	10.8
78	Niles-Benton Harbor, MI MSA	13	10.8
79	Kankakee-Bradley, IL MSA	9	10.7
80	Dothan, AL MSA	11	10.7
81	Harrisonburg, VA MSA	10	10.6
82	Michigan City-La Porte, IN MSA	9	10.6
83	South Bend-Mishawaka, IN-MI MSA	26	10.5
84	Dover, DE MSA	12	10.5
85	Columbus, GA-AL MSA	23	10.4
86	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD MSA	452	10.1
87	Columbus, OH MSA	133	10.1
88	Kalamazoo-Portage, MI MSA	25	10.0
89	Bloomington, IN MSA	15	9.9
90	Greensboro-High Point, NC MSA	54	9.8
91	Pittsfield, MA MSA	10	9.8
92	Augusta-Richmond County, GA-SC MSA	39	9.7
93	Decatur, AL MSA	11	9.7
94	Indianapolis, IN MSA	122	9.7
95	Saginaw-Saginaw Township North, MI MSA	15	9.6
96	Bowling Green, KY MSA	9	9.5
97	Florence, SC MSA	15	9.5

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Rank	Metro Area	Total Mortality (Annual)	Mortality Risk per 100,000 Adults
98	Peoria, IL MSA	27	9.4
99	Lancaster, PA MSA	35	9.4
100	Baltimore-Towson, MD MSA	191	9.4
101	Macon, GA MSA	16	9.2
102	Springfield, IL MSA	15	9.1
103	Fort Wayne, IN MSA	28	9.1
104	Lansing-East Lansing, MI MSA	31	8.9
105	Virginia Beach-Norfolk-Newport News, VA-NC MSA	112	8.9
106	Rochester, NY MSA	70	8.9
107	Dalton, GA MSA	9	8.8
108	Greenville, SC MSA	42	8.8
109	Lafayette, IN MSA	13	8.8
110	Sumter, SC MSA	7	8.7
111	Montgomery, AL MSA	24	8.7
112	Holland-Grand Haven, MI MSA	16	8.7
113	Atlantic City, NJ MSA	18	8.7
114	Jackson, TN MSA	8	8.7
115	Florence, AL MSA	10	8.6
116	Durham, NC MSA	33	8.6
117	Spartanburg, SC MSA	18	8.6
118	Ithaca, NY MSA	7	8.6
119	Joplin, MO MSA	11	8.5
120	Rockford, IL MSA	22	8.5
121	Elkhart-Goshen, IN MSA	12	8.5
122	Greenville, NC MSA	11	8.3
123	Albany, GA MSA	10	8.3
124	Birmingham-Hoover, AL MSA	71	8.3
125	Trenton-Ewing, NJ MSA	24	8.2
126	Janesville, WI MSA	10	8.2
127	Detroit-Warren-Livonia, MI MSA	275	8.2
128	Goldsboro, NC MSA	7	8.1
129	Davenport-Moline-Rock Island, IA-IL MSA	24	8.1
130	State College, PA MSA	10	8.0

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131	Athens-Clarke County, GA MSA	12	8.0
132	Kingston, NY MSA	12	8.0
133	Glens Falls, NY MSA	8	8.0
134	Flint, MI MSA	26	8.0
135	Sheboygan, WI MSA	7	8.0
136	Albany-Schenectady-Troy, NY MSA	52	7.9
137	Racine, WI MSA	12	7.8
138	Grand Rapids-Wyoming, MI MSA	44	7.8
139	New Haven-Milford, CT MSA	51	7.7
140	Syracuse, NY MSA	38	7.7
141	Fond du Lac, WI MSA	6	7.7
142	Nashville-Davidson--Murfreesboro, TN MSA	87	7.7
143	Charlotte-Gastonia-Concord, NC-SC MSA	95	7.7
144	Clarksville, TN-KY MSA	14	7.6
145	Columbia, SC MSA	41	7.5
146	St. Joseph, MO-KS MSA	7	7.5
147	Dubuque, IA MSA	5	7.4
148	Huntsville, AL MSA	22	7.4
149	Jonesboro, AR MSA	7	7.4
150	Auburn-Opelika, AL MSA	7	7.3
151	Washington-Arlington-Alexandria, DC-VA-MD-WV MSA	299	7.3
152	Springfield, MA MSA	39	7.3
153	Springfield, MO MSA	23	7.3
154	Wilmington, NC MSA	19	7.2
155	Waterloo-Cedar Falls, IA MSA	9	7.2
156	Barnstable Town, MA MSA	13	7.2
157	Gainesville, GA MSA	9	7.1
158	Hartford-West Hartford-East Hartford, CT MSA	64	6.9
159	Fayetteville, NC MSA	18	6.8
160	Myrtle Beach-Conway-North Myrtle Beach, SC MSA	13	6.8
161	Champaign-Urbana, IL MSA	12	6.6
162	St. Louis, MO-IL MSA	141	6.6
163	Green Bay, WI MSA	15	6.4

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164	Bridgeport-Stamford-Norwalk, CT MSA	44	6.4
165	Atlanta-Sandy Springs-Marietta, GA MSA	249	6.3
166	Oshkosh-Neenah, WI MSA	8	6.2
167	Norwich-New London, CT MSA	13	6.2
168	Providence-New Bedford-Fall River, RI-MA MSA	77	6.1
169	Appleton, WI MSA	10	6.1
170	Jefferson City, MO MSA	7	6.0
171	Milwaukee-Waukesha-West Allis, WI MSA	69	6.0
172	Ann Arbor, MI MSA	16	6.0
173	Fort Smith, AR-OK MSA	13	5.9
174	Warner Robins, GA MSA	6	5.9
175	Pine Bluff, AR MSA	5	5.9
176	Memphis, TN-MS-AR MSA	56	5.9
177	Savannah, GA MSA	15	5.9
178	Vero Beach, FL MSA	6	5.8
179	Poughkeepsie-Newburgh-Middletown, NY MSA	29	5.8
180	Hot Springs, AR MSA	4	5.8
181	Cedar Rapids, IA MSA	11	5.6
182	Charleston-North Charleston, SC MSA	26	5.6
183	Bloomington-Normal, IL MSA	7	5.5
184	Lewiston-Auburn, ME MSA	5	5.5
185	Burlington-South Burlington, VT MSA	9	5.5
186	New York-Newark-Edison, NY-NJ-PA MSA	799	5.5
187	Wausau, WI MSA	5	5.3
188	Tuscaloosa, AL MSA	8	5.2
189	Raleigh-Cary, NC MSA	40	5.1
190	Little Rock-North Little Rock, AR MSA	25	5.0
191	Brunswick, GA MSA	4	5.0
192	Hattiesburg, MS MSA	5	4.9
193	Topeka, KS MSA	9	4.9
194	Panama City-Lynn Haven, FL MSA	6	4.9
195	Texarkana, TX-Texarkana, AR MSA	5	4.9
196	Chicago-Naperville-Joliet, IL-IN-WI MSA	347	4.8

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Rank	Metro Area	Total Mortality (Annual)	Mortality Risk per 100,000 Adults
197	Port St. Lucie-Fort Pierce, FL MSA	16	4.8
198	Kansas City, MO-KS MSA	71	4.7
199	Valdosta, GA MSA	5	4.7
200	Columbia, MO MSA	6	4.7
201	Jacksonville, NC MSA	5	4.6
202	Tallahassee, FL MSA	12	4.5
203	Fayetteville-Springdale-Rogers, AR-MO MSA	15	4.5
204	Jackson, MS MSA	18	4.5
205	Longview, TX MSA	7	4.4
206	Manchester-Nashua, NH MSA	14	4.4
207	Sherman-Denison, TX MSA	4	4.4
208	Portland-South Portland, ME MSA	18	4.4
209	Iowa City, IA MSA	5	4.4
210	Des Moines, IA MSA	18	4.3
211	Madison, WI MSA	19	4.3
212	Sioux City, IA-NE-SD MSA	5	4.2
213	Punta Gorda, FL MSA	6	4.2
214	Boston-Cambridge-Quincy, MA-NH MSA	144	4.1
215	Gulfport-Biloxi, MS MSA	7	4.0
216	La Crosse, WI-MN MSA	4	4.0
217	Pensacola-Ferry Pass-Brent, FL MSA	14	3.9
218	Rochester, MN MSA	5	3.9
219	Tulsa, OK MSA	26	3.9
220	Worcester, MA MSA	23	3.8
221	Ames, IA MSA	3	3.7
222	Wichita Falls, TX MSA	4	3.5
223	Fort Walton Beach-Crestview-Destin, FL MSA	5	3.3
224	Wichita, KS MSA	14	3.2
225	Omaha-Council Bluffs, NE-IA MSA	20	3.2
226	Bangor, ME MSA	4	3.2
227	Shreveport-Bossier City, LA MSA	9	3.1
228	Hinesville-Fort Stewart, GA MSA	2	3.1
229	Alexandria, LA MSA	3	3.0

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230	Lawton, OK MSA	2	3.0
231	Tyler, TX MSA	4	3.0
232	Sioux Falls, SD MSA	5	3.0
233	Oklahoma City, OK MSA	26	2.9
234	Sarasota-Bradenton-Venice, FL MSA	16	2.8
235	Pascagoula, MS MSA	3	2.7
236	Lawrence, KS MSA	2	2.7
237	Ocala, FL MSA	7	2.6
238	Eau Claire, WI MSA	3	2.6
239	Lincoln, NE MSA	6	2.6
240	Beaumont-Port Arthur, TX MSA	8	2.6
241	Jacksonville, FL MSA	25	2.6
242	Minneapolis-St. Paul-Bloomington, MN-WI MSA	61	2.5
243	Lafayette, LA MSA	5	2.5
244	Tampa-St. Petersburg-Clearwater, FL MSA	55	2.5
245	Victoria, TX MSA	2	2.4
246	Waco, TX MSA	4	2.4
247	Lake Charles, LA MSA	3	2.4
248	Palm Bay-Melbourne-Titusville, FL MSA	10	2.3
249	Gainesville, FL MSA	5	2.3
250	Deltona-Daytona Beach-Ormond Beach, FL MSA	9	2.3
251	Odessa, TX MSA	2	2.2
252	Monroe, LA MSA	3	2.2
253	Bismarck, ND MSA	2	2.2
254	Amarillo, TX MSA	4	2.1
255	Mobile, AL MSA	6	2.1
256	St. Cloud, MN MSA	3	2.1
257	Midland, TX MSA	2	2.0
258	San Angelo, TX MSA	2	1.9
259	Killeen-Temple-Fort Hood, TX MSA	5	1.9
260	New Orleans-Metairie-Kenner, LA MSA	15	1.9
261	Cape Coral-Fort Myers, FL MSA	9	1.9
262	College Station-Bryan, TX MSA	3	1.9

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Rank	Metro Area	Total Mortality (Annual)	Mortality Risk per 100,000 Adults
263	Abilene, TX MSA	2	1.8
264	Corpus Christi, TX MSA	6	1.8
265	Baton Rouge, LA MSA	10	1.7
266	Lakeland-Winter Haven, FL MSA	8	1.7
267	Duluth, MN-WI MSA	4	1.7
268	Orlando, FL MSA	26	1.7
269	Grand Junction, CO MSA	2	1.7
270	Pueblo, CO MSA	2	1.7
271	Lubbock, TX MSA	3	1.6
272	Dallas-Fort Worth-Arlington, TX MSA	72	1.6
273	Houma-Bayou Cane-Thibodaux, LA MSA	2	1.6
274	Denver-Aurora, CO MSA	27	1.5
275	Naples-Marco Island, FL MSA	4	1.4
276	Ogden-Clearfield, UT MSA	5	1.4
277	Rapid City, SD MSA	1	1.3
278	Grand Forks, ND-MN MSA	1	1.2
279	Logan, UT-ID MSA	1	1.2
280	Boulder, CO MSA	3	1.2
281	San Antonio, TX MSA	17	1.2
282	Fargo, ND-MN MSA	2	1.1
283	Billings, MT MSA	1	1.1
284	Austin-Round Rock, TX MSA	12	1.0
285	Lewiston, ID-WA MSA	0	1.0
286	Pocatello, ID MSA	1	1.0
287	Salt Lake City, UT MSA	8	1.0
288	Fort Collins-Loveland, CO MSA	2	0.9
289	Laredo, TX MSA	1	0.9
290	Cheyenne, WY MSA	1	0.9
291	Houston-Baytown-Sugar Land, TX MSA	35	0.8
292	Brownsville-Harlingen, TX MSA	2	0.8
293	Provo-Orem, UT MSA	3	0.8
294	Miami-Fort Lauderdale-Miami Beach, FL MSA	34	0.8
295	Greeley, CO MSA	1	0.8

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296	Colorado Springs, CO MSA	4	0.8
297	Great Falls, MT MSA	0	0.8
298	Albuquerque, NM MSA	5	0.7
299	Carson City, NV MSA	0	0.7
300	Olympia, WA MSA	1	0.7
301	El Paso, TX MSA	3	0.6
302	Farmington, NM MSA	1	0.6
303	Bremerton-Silverdale, WA MSA	1	0.6
304	Coeur d'Alene, ID MSA	1	0.6
305	Missoula, MT MSA	0	0.6
306	Kennewick-Richland-Pasco, WA MSA	1	0.6
307	Spokane, WA MSA	2	0.6
308	McAllen-Edinburg-Pharr, TX MSA	3	0.6
309	Santa Fe, NM MSA	1	0.5
310	Idaho Falls, ID MSA	0	0.5
311	Hanford-Corcoran, CA MSA	0	0.5
312	Longview-Kelso, WA MSA	0	0.4
313	Mount Vernon-Anacortes, WA MSA	0	0.3
314	Visalia-Porterville, CA MSA	1	0.3
315	Casper, WY MSA	0	0.3
316	Yakima, WA MSA	1	0.3
317	Merced, CA MSA	0	0.3
318	Napa, CA MSA	0	0.3
319	Chico, CA MSA	0	0.3
320	St. George, UT MSA	0	0.3
321	Modesto, CA MSA	1	0.3
322	Madera, CA MSA	0	0.3
323	Wenatchee, WA MSA	0	0.3
324	Boise City-Nampa, ID MSA	1	0.3
325	Vallejo-Fairfield, CA MSA	1	0.3
326	Yuba City-Marysville, CA MSA	0	0.2
327	Las Cruces, NM MSA	0	0.2
328	Fresno, CA MSA	1	0.2

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329	Corvallis, OR MSA	0	0.2
330	Santa Cruz-Watsonville, CA MSA	0	0.2
331	Seattle-Tacoma-Bellevue, WA MSA	5	0.2
332	Salem, OR MSA	1	0.2
333	Bellingham, WA MSA	0	0.2
334	San Francisco-Oakland-Fremont, CA MSA	7	0.2
335	Stockton, CA MSA	1	0.2
336	Oxnard-Thousand Oaks-Ventura, CA MSA	1	0.2
337	Portland-Vancouver-Beaverton, OR-WA MSA	3	0.2
338	Bakersfield, CA MSA	1	0.2
339	Medford, OR MSA	0	0.2
340	Santa Rosa-Petaluma, CA MSA	1	0.2
341	Bend, OR MSA	0	0.2
342	Sacramento--Arden-Arcade--Roseville, CA MSA	2	0.1
343	Phoenix-Mesa-Scottsdale, AZ MSA	5	0.1
344	Tucson, AZ MSA	1	0.1
345	Las Vegas-Paradise, NV MSA	2	0.1
346	Los Angeles-Long Beach-Santa Ana, CA MSA	13	0.1
347	El Centro, CA MSA	0	0.1
348	San Luis Obispo-Paso Robles, CA MSA	0	0.1
349	San Diego-Carlsbad-San Marcos, CA MSA	3	0.1
350	Redding, CA MSA	0	0.1
351	Eugene-Springfield, OR MSA	0	0.1
352	Santa Barbara-Santa Maria-Goleta, CA MSA	0	0.1
353	Prescott, AZ MSA	0	0.1
354	San Jose-Sunnyvale-Santa Clara, CA MSA	1	0.1
355	Salinas, CA MSA	0	0.1
356	Yuma, AZ MSA	0	0.1
357	Riverside-San Bernardino-Ontario, CA MSA	2	0.1
358	Reno-Sparks, NV MSA	0	0.1
359	Flagstaff, AZ MSA	0	0.0