

Fine Particle Concentrations for Counties with Monitors Based on Air Quality Data from 2020 - 2022

This information is provided for illustrative purposes only and is not intended to predict the outcome of any forthcoming designations process. Future designations of attainment/nonattainment will not be based on these data, but likely on monitoring data collected between 2022 and 2024.

 Does not meet the revised annual primary fine particle (PM_{2.5}) standard of 9.0 ug/m³

State	County	2020-2022 PM _{2.5} Annual Design Value (ug/m ³)	Previous PM _{2.5} Nonattainment Area
Alabama	Baldwin County	7.5	No
Alabama	Clay County	6.8	No
Alabama	DeKalb County	7.2	No
Alabama	Etowah County	8.2	No
Alabama	Jefferson County	8.4	Yes
Alabama	Madison County	7.1	No
Alabama	Mobile County	7.9	No
Alabama	Morgan County	7.4	No
Alabama	Russell County	9.1	No
Alabama	Tuscaloosa County	7.6	No
Alaska	Anchorage Municipality	5.6	No
Alaska	Fairbanks North Star Borough	12.2	Yes
Alaska	Juneau City and Borough	4.9	No
Alaska	Matanuska-Susitna Borough	4.5	No
Arizona	La Paz County	4.1	No
Arizona	Maricopa County	10.5	No
Arizona	Pima County	6.1	No
Arizona	Pinal County	12.4	Yes
Arizona	Santa Cruz County	10.2	Yes
Arizona	Yuma County	8.9	No
Arkansas	Arkansas County	7.5	No
Arkansas	Crittenden County	7.8	No
Arkansas	Polk County	7.8	No
Arkansas	Pulaski County	8.8	No
Arkansas	Washington County	7.5	No
California	Alameda County	9.4	Yes
California	Butte County	11.6	Yes
California	Calaveras County	9	No
California	Colusa County	10.5	No
California	Contra Costa County	10	Yes
California	Fresno County	17.5	Yes
California	Humboldt County	7.4	No
California	Imperial County	11.1	Yes
California	Inyo County	8.8	No
California	Kern County	18.8	Yes
California	Kings County	16.6	Yes
California	Lake County	6.6	No
California	Los Angeles County	13.4	Yes
California	Madera County	13.2	Yes
California	Marin County	7.5	Yes
California	Mendocino County	11.1	No
California	Merced County	12.3	Yes
California	Mono County	19.5	No

California	Monterey County	6.9	No
California	Nevada County	8.9	No
California	Orange County	11.2	Yes
California	Placer County	10.9	Yes
California	Plumas County	17	Yes
California	Riverside County	13.6	Yes
California	Sacramento County	11.7	Yes
California	San Benito County	6.5	No
California	San Bernardino County	14	Yes
California	San Diego County	10	No
California	San Francisco County	8.2	Yes
California	San Joaquin County	12.3	Yes
California	San Luis Obispo County	8.7	No
California	San Mateo County	7.6	Yes
California	Santa Barbara County	8	No
California	Santa Clara County	10.7	Yes
California	Santa Cruz County	7.2	No
California	Shasta County	9.3	No
California	Siskiyou County	11.6	No
California	Solano County	9.4	Yes
California	Sonoma County	7.3	Yes
California	Stanislaus County	14.3	Yes
California	Sutter County	13.8	Yes
California	Tehama County	9.9	No
California	Tulare County	18.4	Yes
California	Ventura County	7.8	No
Colorado	Arapahoe County	6.1	No
Colorado	Boulder County	8.7	No
Colorado	Denver County	9.3	No
Colorado	Douglas County	6.7	No
Colorado	El Paso County	5.5	No
Colorado	Larimer County	7.7	No
Colorado	Mesa County	5.8	No
Colorado	Rio Blanco County	8.5	No
Colorado	Weld County	8.8	No
Connecticut	Fairfield County	8	Yes
Connecticut	Hartford County	7.5	No
Connecticut	Litchfield County	5.1	No
Connecticut	New Haven County	8.2	Yes
Connecticut	New London County	6.9	No
District of Columbia	District of Columbia	8.6	Yes
Florida	Alachua County	7.1	No
Florida	Brevard County	7.9	No
Florida	Broward County	9.4	No
Florida	Duval County	8.7	No
Florida	Escambia County	9.5	No
Florida	Hillsborough County	8.3	No
Florida	Leon County	7.2	No
Florida	Miami-Dade County	7.1	No
Florida	Palm Beach County	6.7	No
Florida	Pinellas County	7.7	No
Florida	Polk County	8.3	No
Florida	Sarasota County	7.9	No
Florida	Seminole County	7.5	No
Florida	Volusia County	8.3	No
Georgia	Bibb County	8.8	Yes
Georgia	Clarke County	9.2	No
Georgia	Clayton County	8.4	Yes
Georgia	Cobb County	8.4	Yes
Georgia	Coffee County	6.9	No

Georgia	DeKalb County	9	Yes
Georgia	Dougherty County	9.2	No
Georgia	Fulton County	9.4	Yes
Georgia	Glynn County	8.1	No
Georgia	Gwinnett County	8.8	Yes
Georgia	Hall County	8.8	Yes
Georgia	Houston County	9.1	No
Georgia	Lowndes County	8.6	No
Georgia	Muscogee County	8.3	No
Georgia	Richmond County	10.4	No
Georgia	Washington County	10.2	No
Hawaii	Hawaii County	3.4	No
Hawaii	Honolulu County	3.7	No
Hawaii	Maui County	4	No
Idaho	Ada County	8.1	No
Idaho	Benewah County	10.2	No
Idaho	Franklin County	6.6	Yes
Idaho	Lemhi County	11.3	No
Idaho	Shoshone County	10.7	Yes
Illinois	Champaign County	7.8	No
Illinois	Cook County	10.5	Yes
Illinois	DuPage County	9.5	Yes
Illinois	Hamilton County	8.8	No
Illinois	Jersey County	8	No
Illinois	Kane County	9.2	Yes
Illinois	McHenry County	8.9	Yes
Illinois	McLean County	8.9	No
Illinois	Macon County	9.2	No
Illinois	Madison County	10	Yes
Illinois	Randolph County	8.2	Yes
Illinois	Rock Island County	8.8	No
Illinois	St. Clair County	10	Yes
Illinois	Sangamon County	8.3	No
Illinois	Will County	9.7	Yes
Illinois	Winnebago County	9.1	No
Indiana	Bartholomew County	7	No
Indiana	Clark County	9.9	Yes
Indiana	Delaware County	8.1	No
Indiana	Dubois County	8.8	Yes
Indiana	Elkhart County	8.4	No
Indiana	Greene County	7.7	No
Indiana	Hamilton County	9.8	Yes
Indiana	Henry County	7.5	No
Indiana	Howard County	7.4	No
Indiana	Lake County	9.8	Yes
Indiana	LaPorte County	8.1	No
Indiana	Madison County	8.9	No
Indiana	Marion County	11.9	Yes
Indiana	Monroe County	7.7	No
Indiana	Porter County	8.3	Yes
Indiana	St. Joseph County	9.6	No
Indiana	Spencer County	8.2	Yes
Indiana	Tippecanoe County	8.4	No
Indiana	Vanderburgh County	9.2	Yes
Indiana	Vigo County	8.7	No
Indiana	Whitley County	7.6	No
Iowa	Black Hawk County	7.9	No
Iowa	Clinton County	8.6	No
Iowa	Johnson County	7.8	No
Iowa	Lee County	8.2	No

Iowa	Linn County	8.1	No
Iowa	Montgomery County	6.7	No
Iowa	Muscatine County	8.1	No
Iowa	Palo Alto County	7	No
Iowa	Polk County	7.6	No
Iowa	Pottawattamie County	8.2	No
Iowa	Scott County	8.4	No
Iowa	Van Buren County	7.1	No
Iowa	Woodbury County	7.9	No
Kansas	Johnson County	8.9	No
Kansas	Neosho County	9.6	No
Kansas	Sumner County	9.8	No
Kansas	Wyandotte County	10.8	No
Kentucky	Bell County	9.3	No
Kentucky	Boyd County	8	Yes
Kentucky	Campbell County	7.8	Yes
Kentucky	Carter County	6.2	No
Kentucky	Christian County	9.2	No
Kentucky	Daviess County	9	No
Kentucky	Fayette County	8.2	No
Kentucky	Hardin County	7.9	No
Kentucky	Jefferson County	10.2	Yes
Kentucky	Perry County	8	No
Kentucky	Pike County	7.2	No
Kentucky	Pulaski County	8	No
Kentucky	Warren County	8.1	No
Louisiana	Caddo Parish	9.6	No
Louisiana	Calcasieu Parish	7.4	No
Louisiana	East Baton Rouge Parish	8.5	No
Louisiana	Iberville Parish	7.7	No
Louisiana	Jefferson Parish	7.7	No
Louisiana	Lafayette Parish	7.9	No
Louisiana	Orleans Parish	7.8	No
Louisiana	Ouachita Parish	7.5	No
Louisiana	Rapides Parish	7.4	No
Louisiana	St. Bernard Parish	8	No
Louisiana	Tangipahoa Parish	7.5	No
Louisiana	Terrebonne Parish	7.2	No
Louisiana	West Baton Rouge Parish	8.8	No
Maine	Androscoggin County	5.3	No
Maine	Aroostook County	5.4	No
Maine	Cumberland County	6.5	No
Maine	Hancock County	3.2	No
Maine	Kennebec County	5.6	No
Maine	Penobscot County	4.5	No
Maryland	Baltimore County	7.7	Yes
Maryland	Cecil County	6.8	No
Maryland	Dorchester County	5.9	No
Maryland	Garrett County	5.2	No
Maryland	Harford County	6.7	Yes
Maryland	Howard County	6.9	Yes
Maryland	Kent County	5.5	No
Maryland	Montgomery County	6.8	Yes
Maryland	Prince George's County	5.9	Yes
Maryland	Washington County	6.8	Yes
Massachusetts	Berkshire County	7.5	No
Massachusetts	Bristol County	6.4	No
Massachusetts	Essex County	6.3	No
Massachusetts	Franklin County	7.8	No
Massachusetts	Hampden County	6.5	No

Massachusetts	Hampshire County	6.3	No
Massachusetts	Middlesex County	6.6	No
Massachusetts	Plymouth County	8.2	No
Massachusetts	Suffolk County	7.9	No
Massachusetts	Worcester County	8.6	No
Michigan	Allegan County	6.6	No
Michigan	Bay County	5.8	No
Michigan	Genesee County	7.2	No
Michigan	Ingham County	8.5	No
Michigan	Kalamazoo County	9.5	No
Michigan	Kent County	9.2	No
Michigan	Lenawee County	8.3	No
Michigan	Macomb County	8.2	Yes
Michigan	Missaukee County	8.6	No
Michigan	Oakland County	7.5	Yes
Michigan	Ottawa County	8.8	No
Michigan	St. Clair County	8.2	Yes
Michigan	Washtenaw County	8.7	Yes
Michigan	Wayne County	11.7	Yes
Minnesota	Anoka County	6.6	No
Minnesota	Becker County	7.2	No
Minnesota	Beltrami County	6.2	No
Minnesota	Carlton County	2.2	No
Minnesota	Cass County	7.8	No
Minnesota	Cook County	2.3	No
Minnesota	Crow Wing County	5.5	No
Minnesota	Dakota County	7.4	No
Minnesota	Hennepin County	8	No
Minnesota	Lake County	4.7	No
Minnesota	Lyon County	6.4	No
Minnesota	Olmsted County	6	No
Minnesota	Ramsey County	7.2	No
Minnesota	St. Louis County	5.1	No
Minnesota	Scott County	6.4	No
Minnesota	Wright County	7	No
Mississippi	Bolivar County	8.5	No
Mississippi	DeSoto County	8.7	No
Mississippi	Forrest County	9.9	No
Mississippi	Hancock County	8.5	No
Mississippi	Harrison County	9.1	No
Mississippi	Hinds County	10.1	No
Mississippi	Jackson County	8.2	No
Missouri	Buchanan County	8.1	No
Missouri	Cass County	6.3	No
Missouri	Cedar County	6.7	No
Missouri	Clay County	6	No
Missouri	Jackson County	7.9	No
Missouri	Jefferson County	8	Yes
Missouri	St. Louis County	7	Yes
Missouri	St. Louis city	8.9	Yes
Montana	Fergus County	5.2	No
Montana	Flathead County	7.7	No
Montana	Gallatin County	3.9	No
Montana	Lewis and Clark County	8.4	No
Montana	Lincoln County	13.4	Yes
Montana	Missoula County	10.1	No
Montana	Phillips County	5.6	No
Montana	Powder River County	7.7	No
Montana	Ravalli County	7.8	No
Montana	Richland County	5.2	No

Montana	Silver Bow County	7.8	No
Montana	Yellowstone County	7.9	No
Nebraska	Douglas County	7.5	No
Nebraska	Hall County	6.2	No
Nebraska	Lancaster County	6.4	No
Nebraska	Sarpy County	7.8	No
Nebraska	Washington County	6.2	No
Nevada	Clark County	10.8	No
Nevada	Douglas County	9.6	No
Nevada	Washoe County	11	No
Nevada	Carson City	8.7	No
New Hampshire	Belknap County	4.5	No
New Hampshire	Cheshire County	6.6	No
New Hampshire	Grafton County	5.3	No
New Hampshire	Hillsborough County	3.9	No
New Hampshire	Rockingham County	6	No
New Jersey	Atlantic County	6.3	No
New Jersey	Camden County	9.1	Yes
New Jersey	Hunterdon County	7.4	No
New Jersey	Mercer County	7.9	Yes
New Jersey	Middlesex County	7.7	Yes
New Jersey	Ocean County	6.6	No
New Jersey	Union County	9	Yes
New Jersey	Warren County	7.8	No
New Mexico	Bernalillo County	9.6	No
New Mexico	Doña Ana County	8.9	No
New Mexico	Lea County	6.3	No
New Mexico	Santa Fe County	4.3	No
New Mexico	Taos County	5.5	No
New York	Albany County	7.3	No
New York	Bronx County	8.1	Yes
New York	Chautauqua County	5.8	No
New York	Erie County	7.1	No
New York	Essex County	3.5	No
New York	Monroe County	6.5	No
New York	Onondaga County	6.1	No
New York	Queens County	7.4	Yes
New York	Steuben County	5.7	No
North Carolina	Buncombe County	5.8	No
North Carolina	Catawba County	8.2	Yes
North Carolina	Cumberland County	7.6	No
North Carolina	Davidson County	8.8	Yes
North Carolina	Durham County	7.3	No
North Carolina	Forsyth County	8.4	No
North Carolina	Guilford County	7.4	Yes
North Carolina	Johnston County	7.2	No
North Carolina	Mecklenburg County	8.7	No
North Carolina	Mitchell County	5.8	No
North Carolina	Montgomery County	7.6	No
North Carolina	New Hanover County	4.4	No
North Carolina	Northampton County	6.7	No
North Carolina	Pitt County	6.1	No
North Carolina	Rowan County	7.7	No
North Carolina	Swain County	6	No
North Carolina	Wake County	6.9	No
North Dakota	Billings County	4.9	No
North Dakota	Burke County	6.4	No
North Dakota	Burleigh County	7.7	No
North Dakota	Cass County	8.3	No
North Dakota	Dunn County	5.8	No

North Dakota	McKenzie County	5.4	No
North Dakota	Mercer County	6	No
North Dakota	Oliver County	7.2	No
North Dakota	Ward County	6.3	No
Ohio	Allen County	6.4	No
Ohio	Athens County	5.9	No
Ohio	Clark County	8.4	Yes
Ohio	Cuyahoga County	9.3	Yes
Ohio	Franklin County	8.8	Yes
Ohio	Hamilton County	10.5	Yes
Ohio	Lake County	6.4	Yes
Ohio	Lawrence County	8.1	Yes
Ohio	Medina County	6.6	Yes
Ohio	Montgomery County	9.4	Yes
Ohio	Preble County	8.1	No
Ohio	Stark County	9.2	Yes
Ohio	Summit County	8.4	Yes
Ohio	Trumbull County	7.4	No
Oklahoma	Carter County	8.7	No
Oklahoma	Cleveland County	10.3	No
Oklahoma	Comanche County	8	No
Oklahoma	Dewey County	7.7	No
Oklahoma	Kay County	9.9	No
Oklahoma	Oklahoma County	10.1	No
Oklahoma	Pittsburg County	8.9	No
Oklahoma	Sequoyah County	7.7	No
Oklahoma	Tulsa County	9.2	No
Oregon	Crook County	10	No
Oregon	Harney County	10.8	No
Oregon	Jackson County	13.5	No
Oregon	Klamath County	15.6	Yes
Oregon	Lane County	14.7	Yes
Oregon	Multnomah County	8.1	No
Oregon	Washington County	8.1	No
Pennsylvania	Allegheny County	10.9	Yes
Pennsylvania	Armstrong County	8.9	Yes
Pennsylvania	Beaver County	8.6	Yes
Pennsylvania	Berks County	8.1	Yes
Pennsylvania	Blair County	8.3	No
Pennsylvania	Cambria County	9.6	Yes
Pennsylvania	Centre County	7.8	No
Pennsylvania	Chester County	8.5	Yes
Pennsylvania	Cumberland County	7.6	Yes
Pennsylvania	Dauphin County	9.9	Yes
Pennsylvania	Delaware County	9.1	Yes
Pennsylvania	Lackawanna County	7.5	No
Pennsylvania	Lancaster County	9.2	Yes
Pennsylvania	Lehigh County	8.7	Yes
Pennsylvania	Montgomery County	8.2	Yes
Pennsylvania	Northampton County	8.1	Yes
Pennsylvania	Philadelphia County	9.1	Yes
Pennsylvania	Washington County	8.5	Yes
Pennsylvania	York County	9.6	Yes
Rhode Island	Kent County	4.5	No
Rhode Island	Providence County	7.9	No
Rhode Island	Washington County	4.3	No
South Carolina	Charleston County	7.2	No
South Carolina	Chesterfield County	6.7	No
South Carolina	Edgefield County	7.6	No
South Carolina	Florence County	7.5	No

South Carolina	Greenville County	8.2	No
South Carolina	Lexington County	7.9	No
South Carolina	Richland County	7	No
South Carolina	Spartanburg County	8.1	No
South Carolina	York County	6.9	No
South Dakota	Brookings County	4.9	No
South Dakota	Brown County	5.5	No
South Dakota	Codington County	7.6	No
South Dakota	Custer County	4.1	No
South Dakota	Hughes County	3.3	No
South Dakota	Jackson County	4.5	No
South Dakota	Pennington County	7.3	No
Tennessee	Blount County	7	Yes
Tennessee	Davidson County	9.1	No
Tennessee	Dyer County	7.2	No
Tennessee	Hamilton County	7.7	Yes
Tennessee	Knox County	9.4	Yes
Tennessee	Lawrence County	5.8	No
Tennessee	Loudon County	6.6	Yes
Tennessee	McMinn County	7.4	No
Tennessee	Madison County	7.4	No
Tennessee	Maury County	6.6	No
Tennessee	Montgomery County	7	No
Tennessee	Putnam County	6.6	No
Tennessee	Roane County	7.1	Yes
Tennessee	Shelby County	8.5	No
Tennessee	Sullivan County	6.3	No
Tennessee	Sumner County	7.4	No
Texas	Bell County	7.4	No
Texas	Bexar County	8.6	No
Texas	Bowie County	10	No
Texas	Brewster County	5.5	No
Texas	Cameron County	9.1	No
Texas	Dallas County	9.4	No
Texas	Denton County	7.5	No
Texas	Ector County	7.4	No
Texas	El Paso County	9.2	No
Texas	Galveston County	7.9	No
Texas	Harris County	11.4	No
Texas	Hidalgo County	10.1	No
Texas	Jefferson County	8.3	No
Texas	Kleberg County	10.3	No
Texas	Lubbock County	5.8	No
Texas	Maverick County	7.9	No
Texas	Nueces County	8.7	No
Texas	Orange County	8.2	No
Texas	Potter County	5.9	No
Texas	Tarrant County	9.1	No
Texas	Travis County	9.3	No
Texas	Webb County	10.1	No
Utah	Cache County	8.1	Yes
Utah	Davis County	7.4	Yes
Utah	Duchesne County	6.9	No
Utah	Iron County	5.8	No
Utah	Salt Lake County	9.9	Yes
Utah	Tooele County	6.9	Yes
Utah	Uintah County	6.3	No
Utah	Utah County	7.5	Yes
Utah	Washington County	5.6	No
Utah	Weber County	7	Yes

Vermont	Bennington County	5.7	No
Vermont	Chittenden County	6.9	No
Vermont	Rutland County	7.5	No
Virginia	Albemarle County	7.3	No
Virginia	Arlington County	7.1	Yes
Virginia	Charles City County	6.1	No
Virginia	Chesterfield County	6.1	No
Virginia	Fairfax County	8.3	Yes
Virginia	Frederick County	7.7	No
Virginia	Henrico County	7.6	No
Virginia	Loudoun County	6.6	Yes
Virginia	Roanoke County	7.5	No
Virginia	Rockingham County	6.7	No
Virginia	Bristol city	6.5	No
Virginia	Hampton city	6.5	No
Virginia	Lynchburg city	5.9	No
Virginia	Norfolk city	6.5	No
Virginia	Richmond city	7.7	No
Virginia	Salem city	6.5	No
Virginia	Virginia Beach city	6.7	No
Washington	Clark County	9.1	No
Washington	King County	8.5	No
Washington	Kitsap County	6.4	No
Washington	Kittitas County	7.5	No
Washington	Okanogan County	13.4	No
Washington	Pierce County	8.1	Yes
Washington	Snohomish County	8.9	No
Washington	Stevens County	11.6	No
Washington	Yakima County	11.8	No
West Virginia	Berkeley County	8.2	Yes
West Virginia	Brooke County	8.5	Yes
West Virginia	Cabell County	7.1	Yes
West Virginia	Hancock County	7.8	Yes
West Virginia	Harrison County	6.9	No
West Virginia	Kanawha County	7.5	Yes
West Virginia	Marshall County	8.4	Yes
West Virginia	Monongalia County	7	No
West Virginia	Ohio County	7.5	Yes
West Virginia	Wood County	7.5	Yes
Wisconsin	Ashland County	5.6	No
Wisconsin	Brown County	7.8	No
Wisconsin	Dane County	8.8	No
Wisconsin	Dodge County	7.9	No
Wisconsin	Eau Claire County	8.1	No
Wisconsin	Forest County	5.9	No
Wisconsin	Grant County	8.7	No
Wisconsin	Kenosha County	7.9	No
Wisconsin	La Crosse County	7.9	No
Wisconsin	Milwaukee County	9.4	Yes
Wisconsin	Outagamie County	8	No
Wisconsin	Sauk County	7.7	No
Wisconsin	Taylor County	6.7	No
Wisconsin	Vilas County	5.3	No
Wisconsin	Waukesha County	9.2	Yes
Wyoming	Fremont County	2	No
Wyoming	Laramie County	4.9	No
Wyoming	Natrona County	3.8	No
Wyoming	Park County	4.9	No
Wyoming	Sublette County	3.6	No
Wyoming	Teton County	4.5	No