

Episode 56QLb February 7, 2024. View the data for the graph of County non-Attainment of PM2.5 standards. No for each county means nonattainment of EPA PM2.5 standards, yes means attainment of EPA PM2.5 standards from 2020 to 2022.

Each line is for State name County name average level of PM2.5 in micrograms per cubic meter and yes or no on the question of whether it was previously a non-attainment county for PM2.5 safe levels, according to the Environmental Protection Agency. On this list there were 401 previous attainment counties (No), and there were 140 previous non attainment counties (Yes).

2020-2022 PM2.5

Annual Design

Value (ug/m3)

Previous PM2.5 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
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

2

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
3
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
4
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
5
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
6
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
7
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
8
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

9

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