Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Air Quality – Monitor Only

County Level Average PM2.5 Levels Year 2004

Presented below are data that represent the nationally consistent data measures for monitored concentrations of PM2.5 in Iowa for the Year 2004:

PM2.5 includes fine particles that are between 0.1 micrometers and 2.5 micrometers in diameter. Particles of this size may cause health problems because their size allows them to be inhaled into the deep parts of your lungs.

Air Quality Monitors are not present in all counties. The Iowa DNR manages the Iowa Ambient Air Monitoring Network, and provides this data for use on the Iowa Environmental Health Tracking Network.

The National Ambient Air Quality Standards (NAAQS) are criteria set by the EPA to regulate sources of air pollution. The annual standard for PM2.5 is 15 micrograms per cubic meter (µg/m^3).

This report contains the following NCDMs at the County Level

1. Average Annual PM2.5 Concentration in micrograms per cubic meter (µg/m^3)
2. Percent of Population in counties by monitoring status:
    - Population living in monitored counties that exceed the Annual PM2.5 NAAQS of 15 µg/m^3
    - Population living in monitored counties that are below the Annual PM2.5 NAAQS of 15 µg/m^3
    - Population living in non-monitored counties

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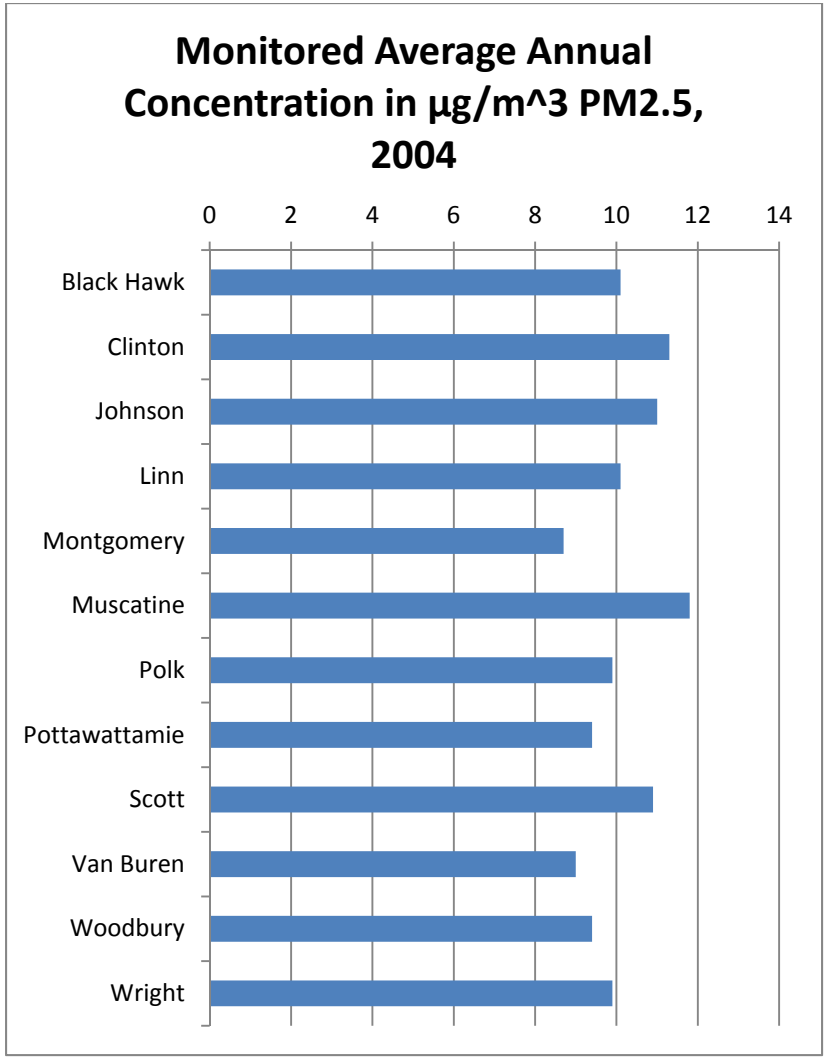
1. Annual Monitored Average concentration of PM2.5 in (µg/m^3) at the County level in monitored counties for 2004.

Monitored Average Concentration PM2.5, 2004	
County	**Average PM2.5 Concentration**
Black Hawk	10.1
Clinton	11.3
Johnson	11
Linn	10.1
Montgomery	8.7
Muscatine	11.8
Polk	9.9
Pottawattamie	9.4
Scott	10.9
Van Buren	9
Woodbury	9.4
Wright	9.9



2. Percent of Population in counties by monitoring status, 2004.

	Percent of Population
Monitored counties that exceed the Annual PM2.5 NAAQS	0.00
Monitored counties below the Annual PM2.5 NAAQS	44.96
Non-Monitored counties	55.04

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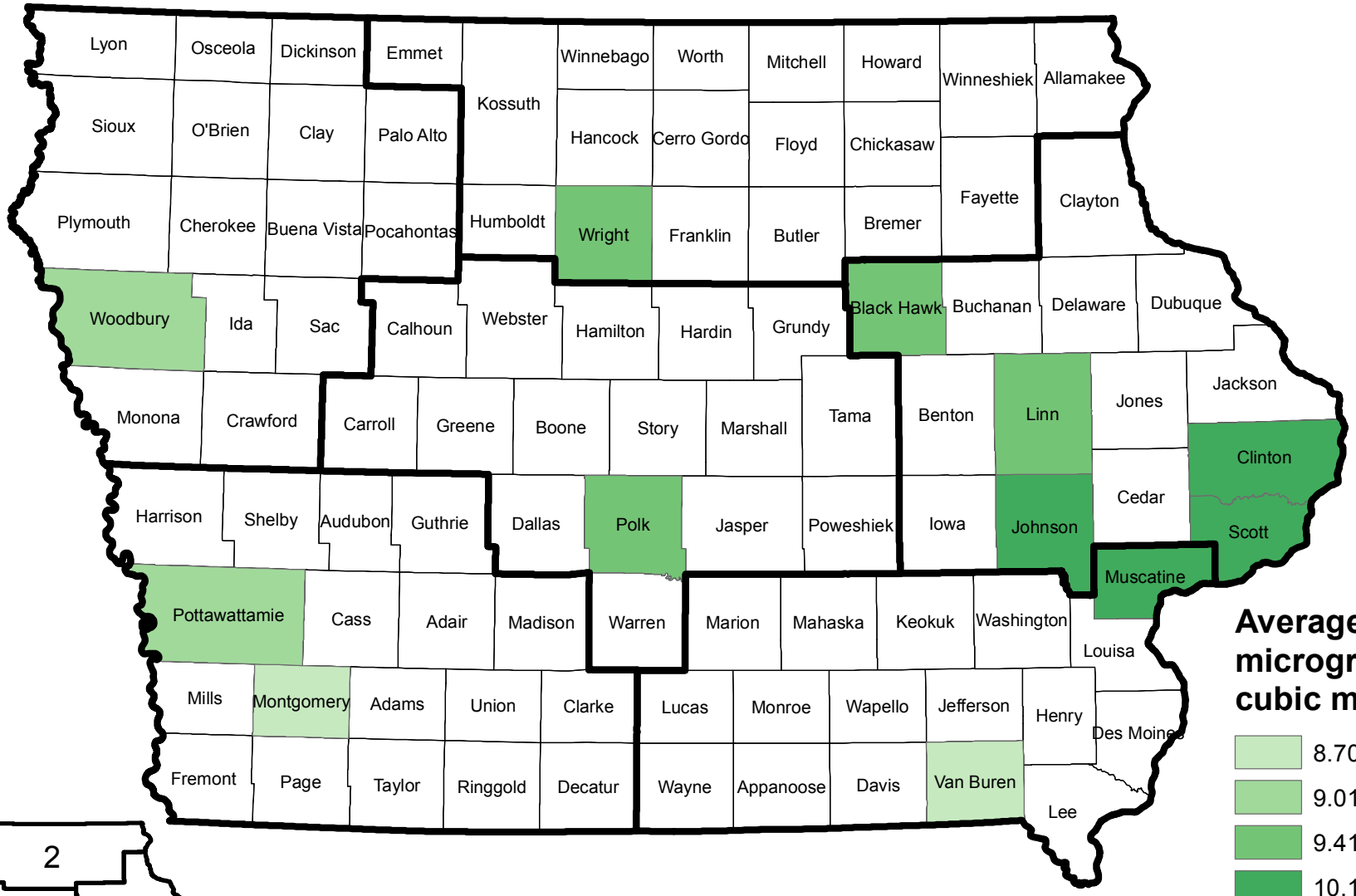
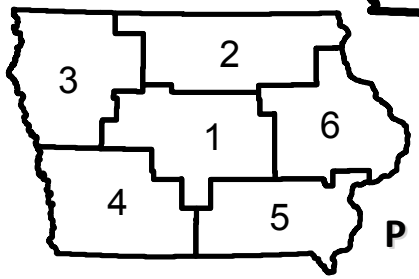
Monitored Annual Average PM 2.5 Level
2004





Public Health Regions