Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Air Quality - Modeled

County Level Average PM2.5 Levels Year 2004

Presented below are data that represent the nationally consistent data measures related to modeled 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, by modeling data we can generate measures for counties without monitors. Modeled data is developed and provided by the National Environmental Public Health Tracking Network in collaboration with the U.S. Environmental Protection Agency.

This report contains the following NCDMs at the County Level

1. Average Annual PM2.5 Concentration in micrograms per cubic meter (µg/m^3)

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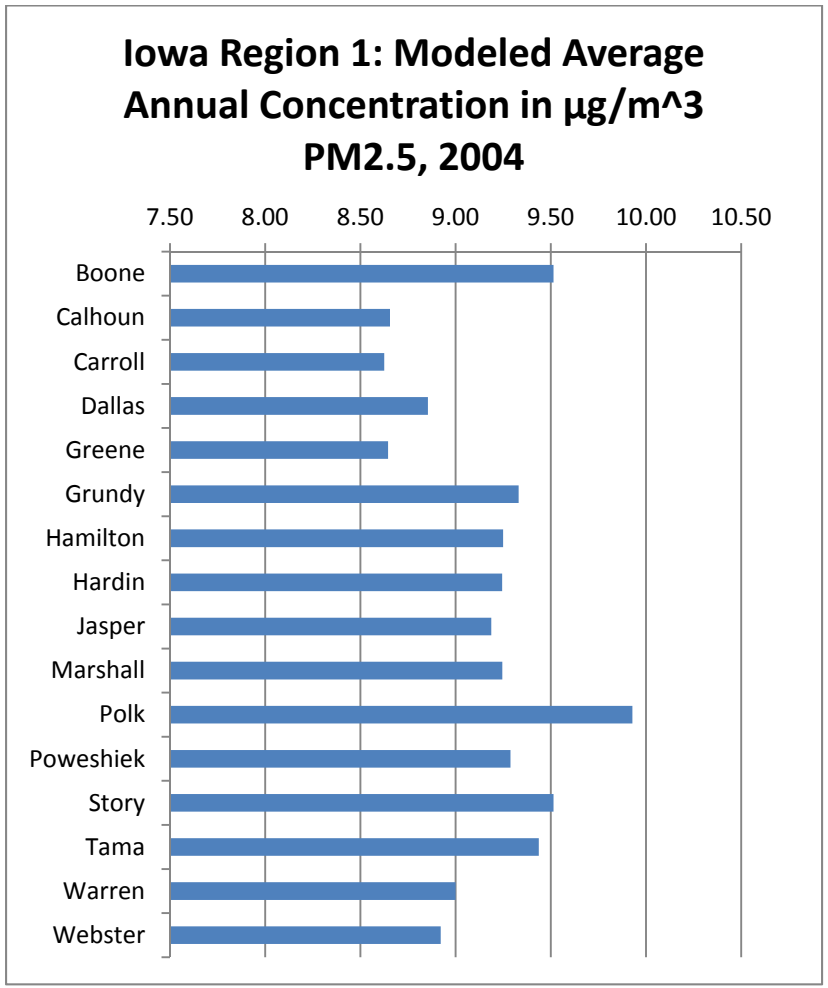
1. Annual Modeled Average concentration of PM2.5 in (µg/m^3) at the County level by Public Health Region for 2004.

Region 1

Region 1: Modeled Average Concentration PM2.5, 2004	
County	**Average PM2.5 Concentration**
Boone	9.51
Calhoun	8.66
Carroll	8.63
Dallas	8.85
Greene	8.65
Grundy	9.33
Hamilton	9.25
Hardin	9.24
Jasper	9.19
Marshall	9.25
Polk	9.93
Poweshiek	9.29
Story	9.51
Tama	9.44
Warren	9.00
Webster	8.92



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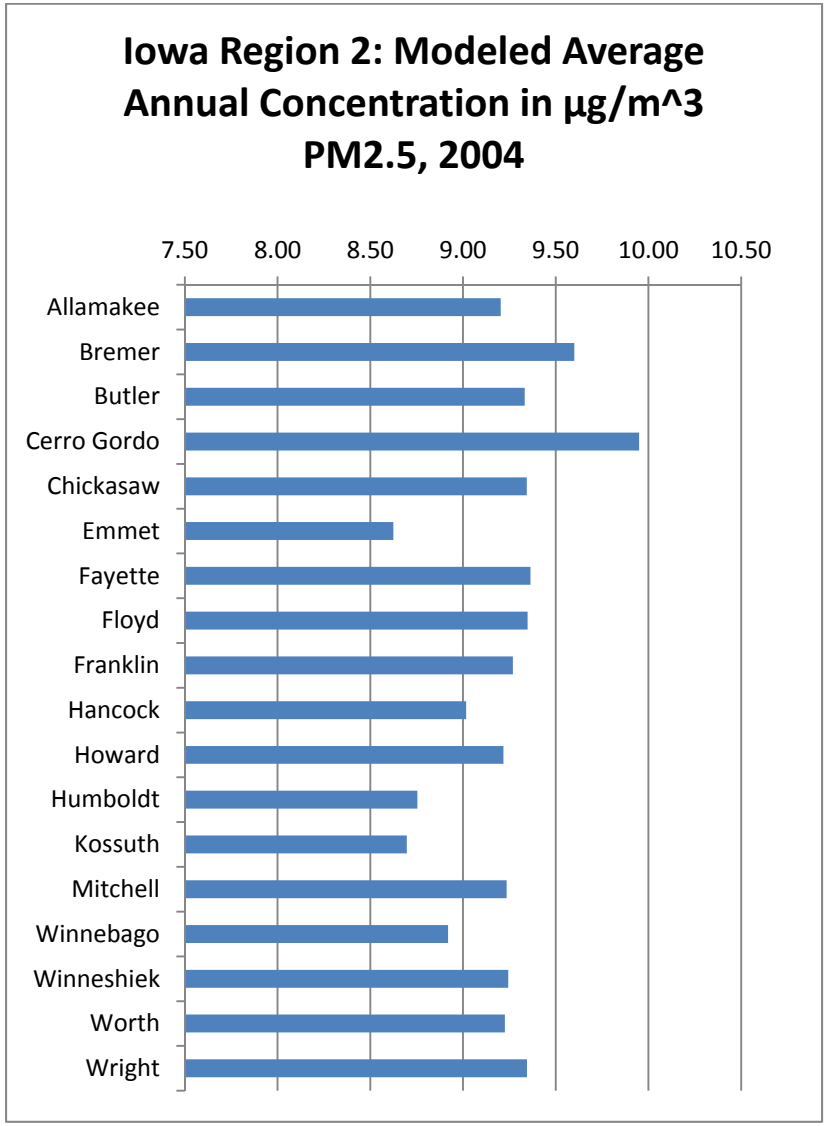
Region 2

Region 2: Modeled Average Concentration PM2.5, 2004	
County	**Average PM2.5 Concentration**
Allamakee	9.20
Bremer	9.60
Butler	9.33
Cerro Gordo	9.95
Chickasaw	9.34
Emmet	8.62
Fayette	9.36
Floyd	9.35
Franklin	9.27
Hancock	9.02
Howard	9.22
Humboldt	8.75
Kossuth	8.70
Mitchell	9.24
Winnebago	8.92
Winneshiek	9.24
Worth	9.23
Wright	9.34



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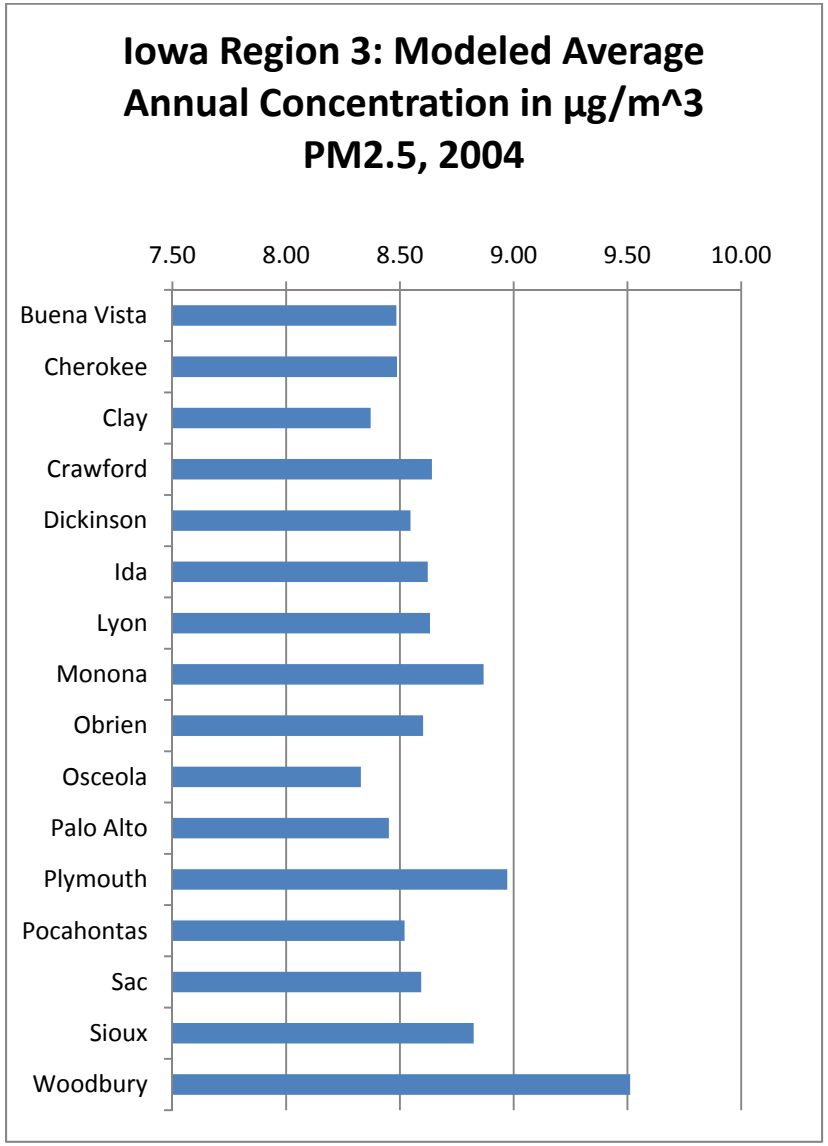
Region 3

Region 3: Modeled Average Concentration PM2.5, 2004	
County	**Average PM2.5 Concentration**
Buena Vista	8.48
Cherokee	8.49
Clay	8.37
Crawford	8.64
Dickinson	8.55
Ida	8.62
Lyon	8.63
Monona	8.87
Obrien	8.60
Osceola	8.33
Palo Alto	8.45
Plymouth	8.97
Pocahontas	8.52
Sac	8.59
Sioux	8.82
Woodbury	9.51



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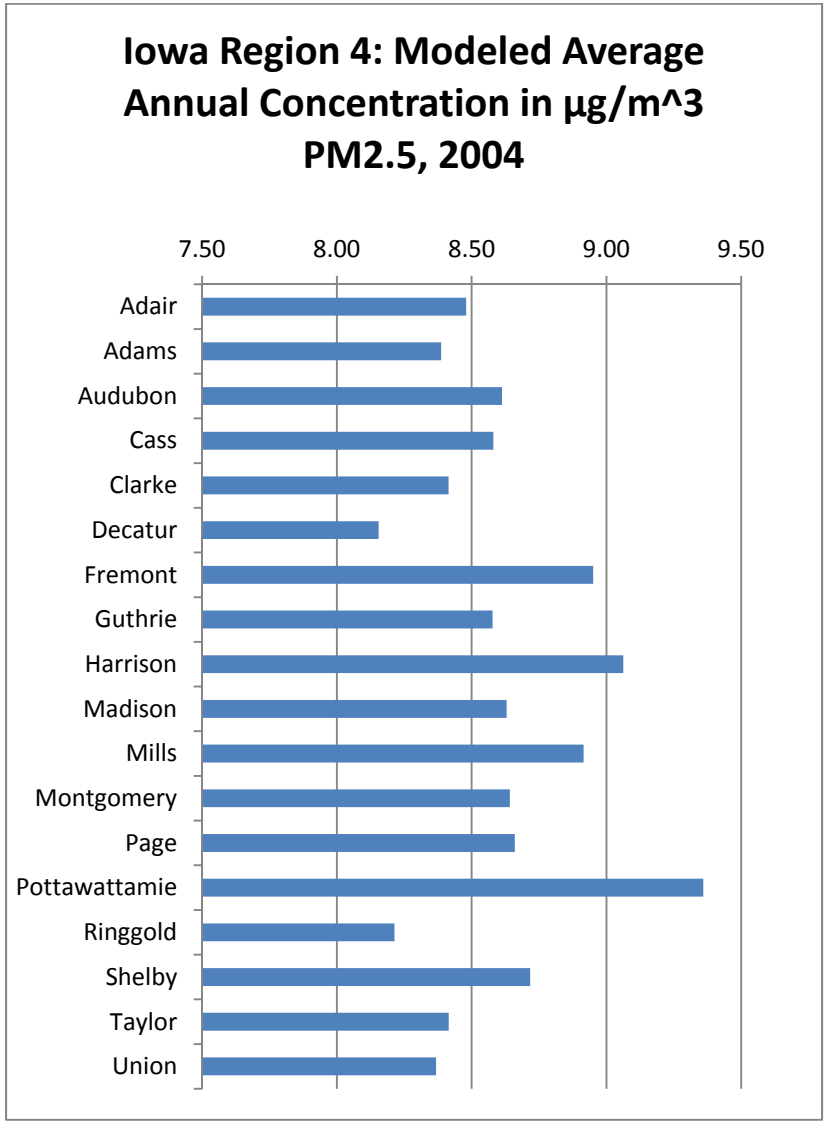
Region 4

Region 4: Modeled Average Concentration PM2.5, 2004	
County	**Average PM2.5 Concentration**
Adair	8.48
Adams	8.39
Audubon	8.61
Cass	8.58
Clarke	8.41
Decatur	8.15
Fremont	8.95
Guthrie	8.58
Harrison	9.06
Madison	8.63
Mills	8.92
Montgomery	8.64
Page	8.66
Pottawattamie	9.36
Ringgold	8.21
Shelby	8.72
Taylor	8.42
Union	8.37



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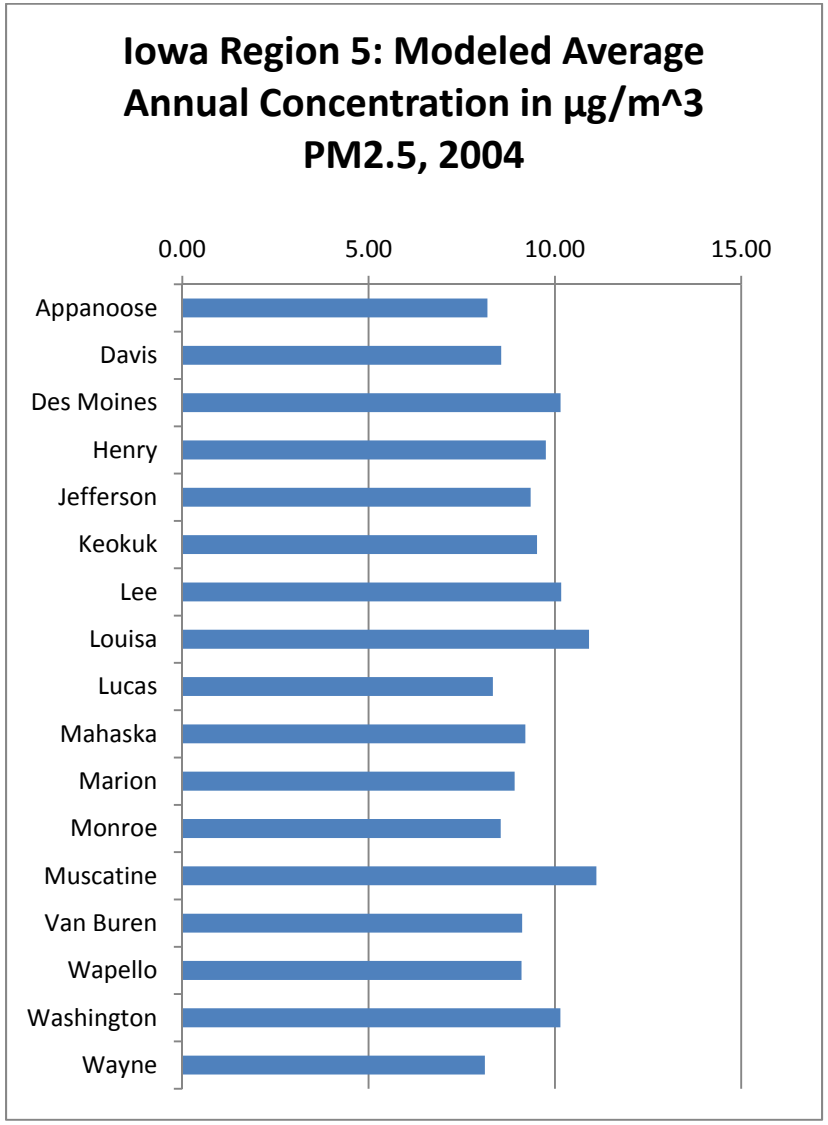
Region 5

Region 4: Modeled Average Concentration PM2.5, 2004	
County	**Average PM2.5 Concentration**
Appanoose	8.19
Davis	8.56
Des Moines	10.15
Henry	9.76
Jefferson	9.35
Keokuk	9.52
Lee	10.17
Louisa	10.91
Lucas	8.34
Mahaska	9.20
Marion	8.92
Monroe	8.54
Muscatine	11.11
Van Buren	9.12
Wapello	9.10
Washington	10.15
Wayne	8.12



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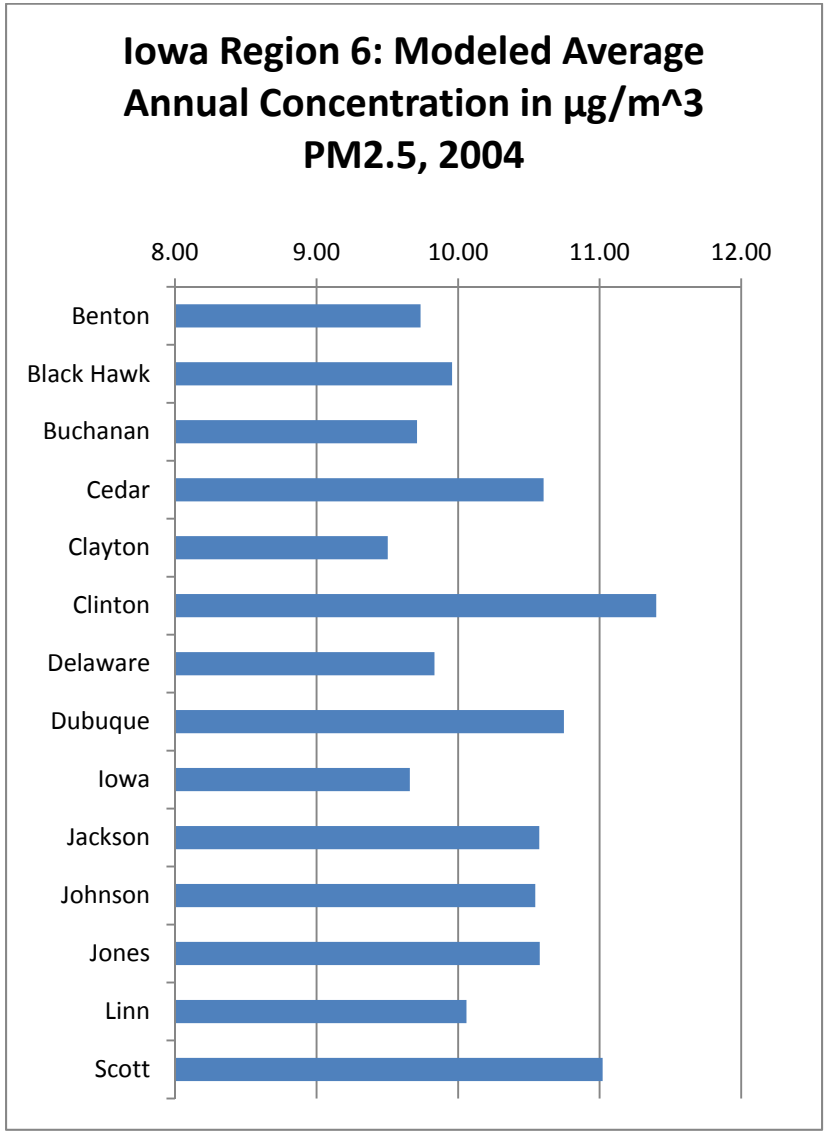
Region 6

Region 4: Modeled Average Concentration PM2.5, 2004	
County	**Average PM2.5 Concentration**
Benton	9.73
Black Hawk	9.96
Buchanan	9.71
Cedar	10.60
Clayton	9.50
Clinton	11.40
Delaware	9.83
Dubuque	10.75
Iowa	9.66
Jackson	10.57
Johnson	10.55
Jones	10.58
Linn	10.06
Scott	11.02



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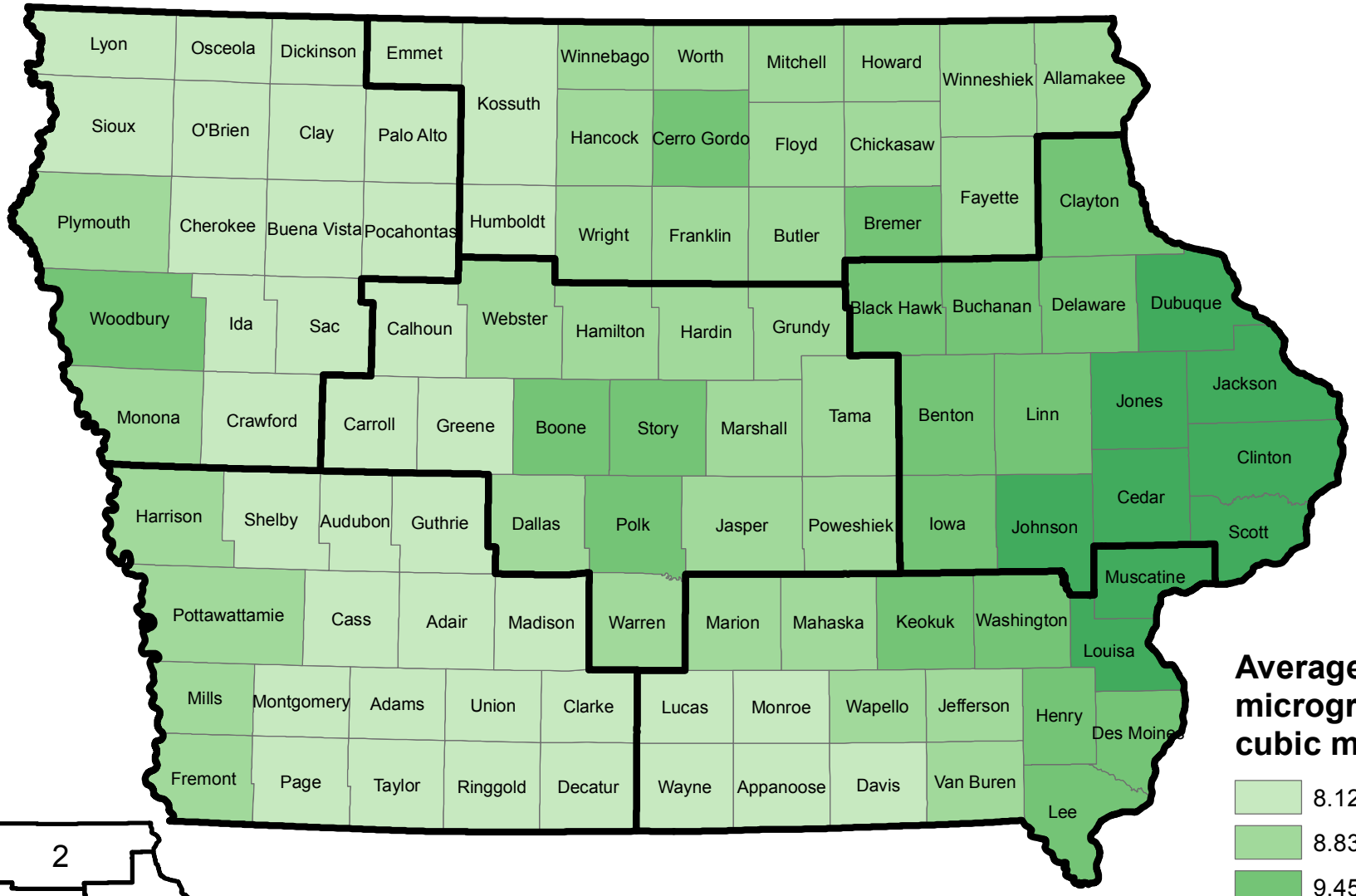
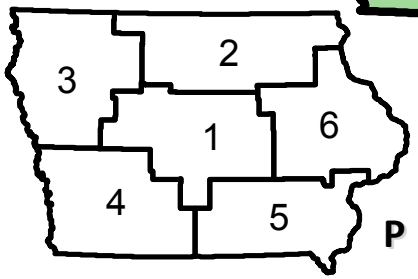
Modeled Annual Average PM 2.5 Level
2004



Average PM2.5 in micrograms per cubic meter

- 8.12 - 8.82
- 8.83 - 9.44
- 9.45 - 10.17
- 10.18 - 11.40



Public Health Regions