Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Air Quality - Modeled

County Level Average PM2.5 Levels Year 2005

Presented below are data that represent the nationally consistent data measures related to modeled concentrations of PM2.5 in Iowa for the Year 2005:

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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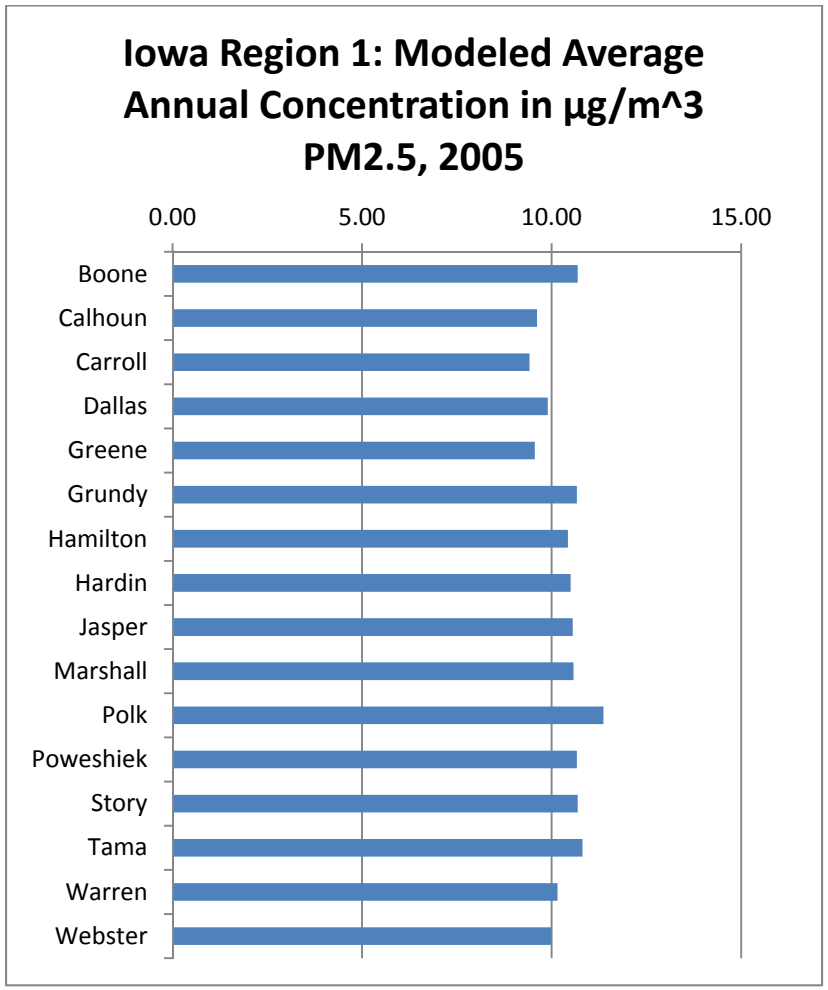
1. Annual Modeled Average concentration of PM2.5 in (µg/m^3) at the County level by Public Health Region for 2005.

Region 1

Region 1: Modeled Average Concentration PM2.5, 2005	
County	**Average PM2.5 Concentration**
Boone	10.69
Calhoun	9.61
Carroll	9.42
Dallas	9.90
Greene	9.56
Grundy	10.66
Hamilton	10.43
Hardin	10.50
Jasper	10.56
Marshall	10.58
Polk	11.37
Poweshiek	10.67
Story	10.69
Tama	10.82
Warren	10.15
Webster	9.99



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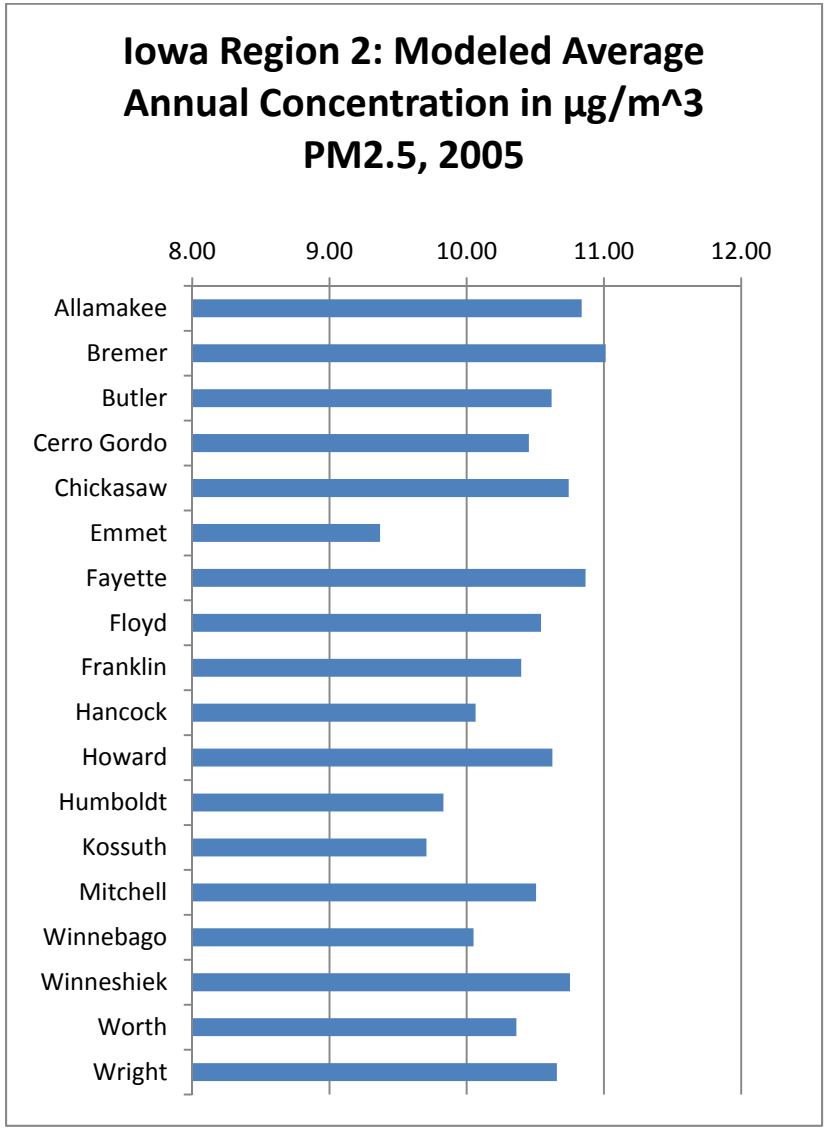
Region 2

Region 2: Modeled Average Concentration PM2.5, 2005	
County	**Average PM2.5 Concentration**
Allamakee	10.84
Bremer	11.01
Butler	10.62
Cerro Gordo	10.45
Chickasaw	10.74
Emmet	9.37
Fayette	10.87
Floyd	10.54
Franklin	10.40
Hancock	10.06
Howard	10.62
Humboldt	9.83
Kossuth	9.71
Mitchell	10.51
Winnebago	10.05
Winneshiek	10.75
Worth	10.36
Wright	10.66



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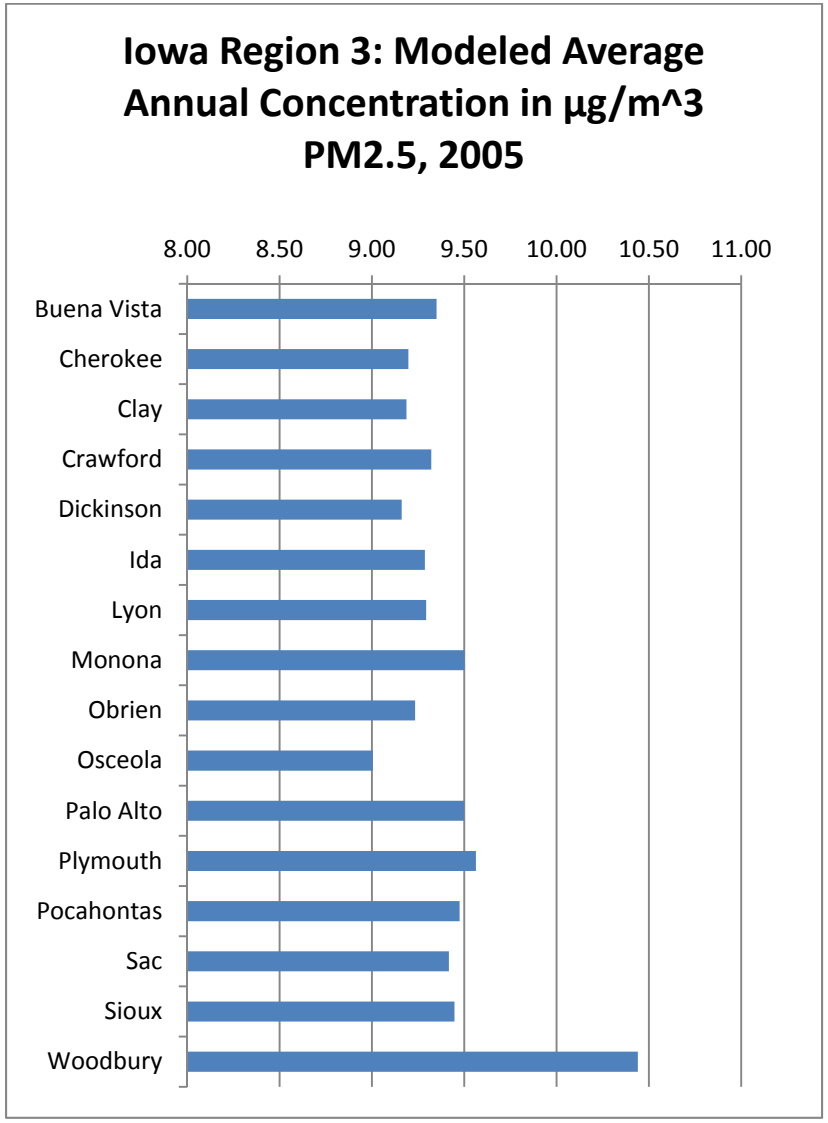
Region 3

Region 3: Modeled Average Concentration PM2.5, 2005	
County	**Average PM2.5 Concentration**
Buena Vista	9.35
Cherokee	9.20
Clay	9.19
Crawford	9.32
Dickinson	9.16
Ida	9.29
Lyon	9.29
Monona	9.50
Obrien	9.23
Osceola	9.01
Palo Alto	9.50
Plymouth	9.56
Pocahontas	9.47
Sac	9.42
Sioux	9.45
Woodbury	10.44



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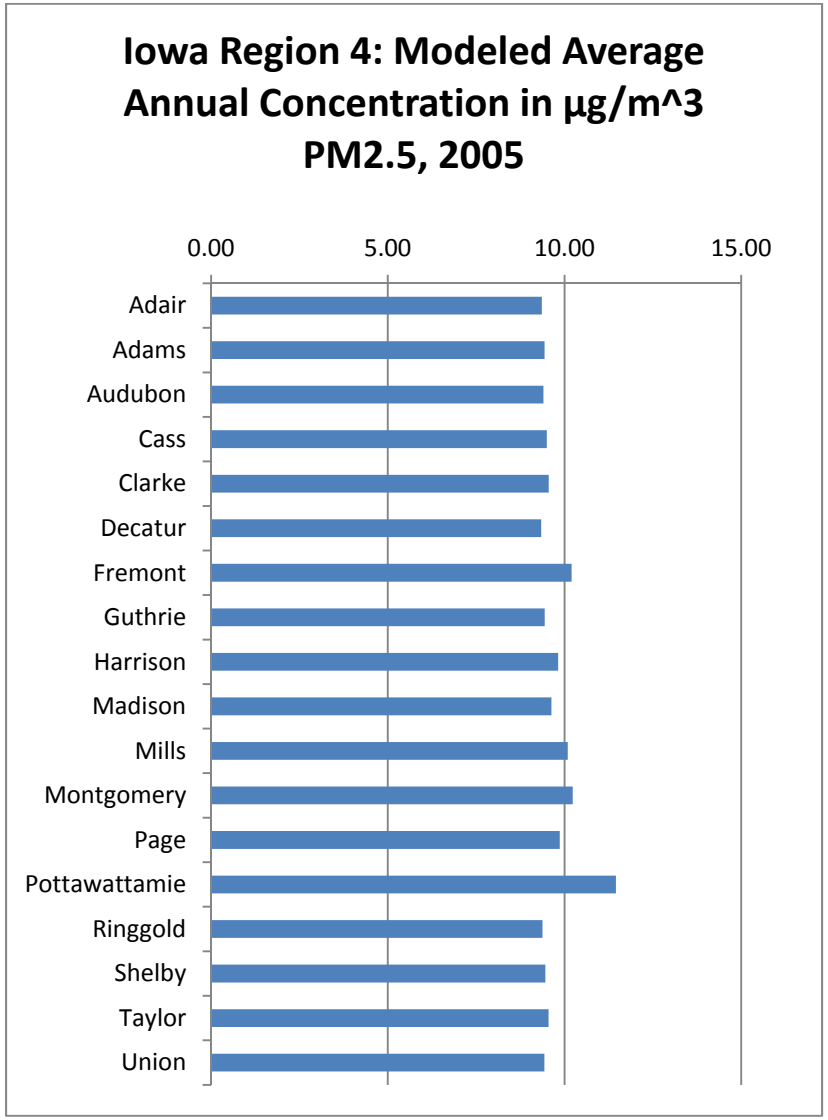
Region 4

Region 4: Modeled Average Concentration PM2.5, 2005	
County	**Average PM2.5 Concentration**
Adair	9.36
Adams	9.43
Audubon	9.40
Cass	9.50
Clarke	9.55
Decatur	9.34
Fremont	10.20
Guthrie	9.44
Harrison	9.82
Madison	9.63
Mills	10.09
Montgomery	10.23
Page	9.86
Pottawattamie	11.46
Ringgold	9.38
Shelby	9.46
Taylor	9.55
Union	9.43



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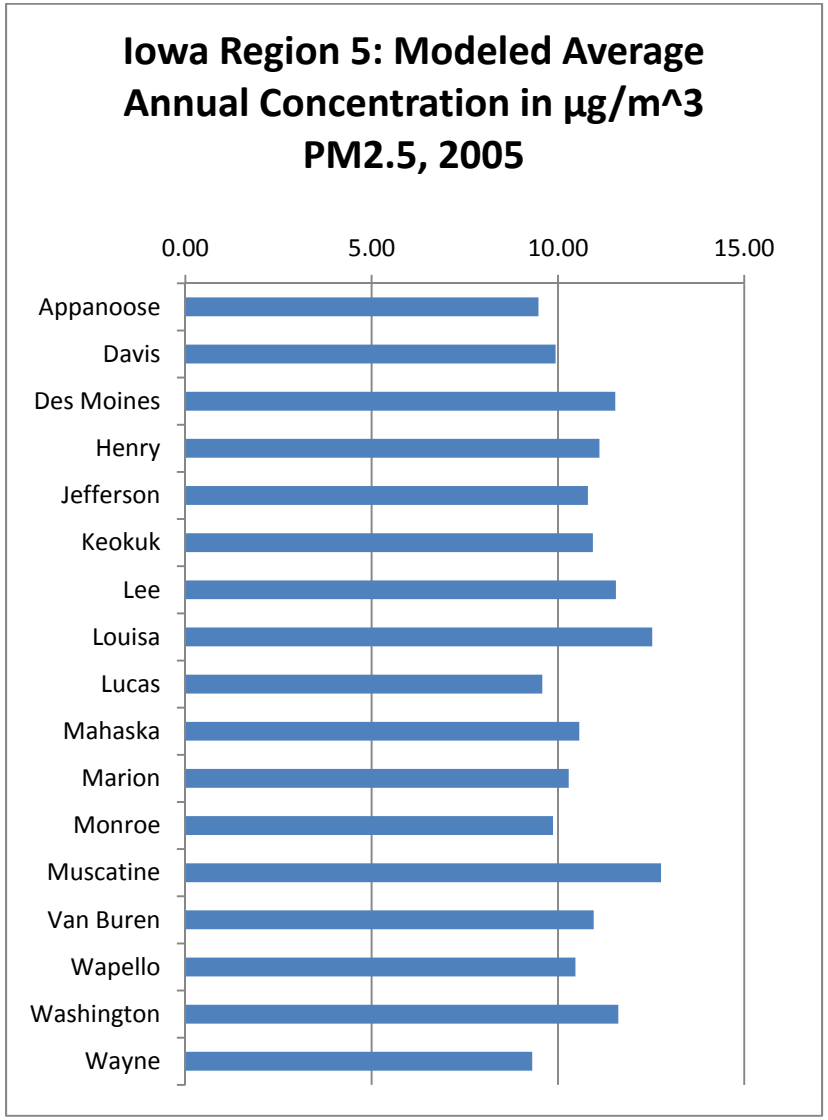
Region 5

Region 4: Modeled Average Concentration PM2.5, 2005	
County	**Average PM2.5 Concentration**
Appanoose	9.48
Davis	9.94
Des Moines	11.54
Henry	11.12
Jefferson	10.80
Keokuk	10.94
Lee	11.56
Louisa	12.53
Lucas	9.58
Mahaska	10.57
Marion	10.29
Monroe	9.87
Muscatine	12.77
Van Buren	10.96
Wapello	10.47
Washington	11.62
Wayne	9.31



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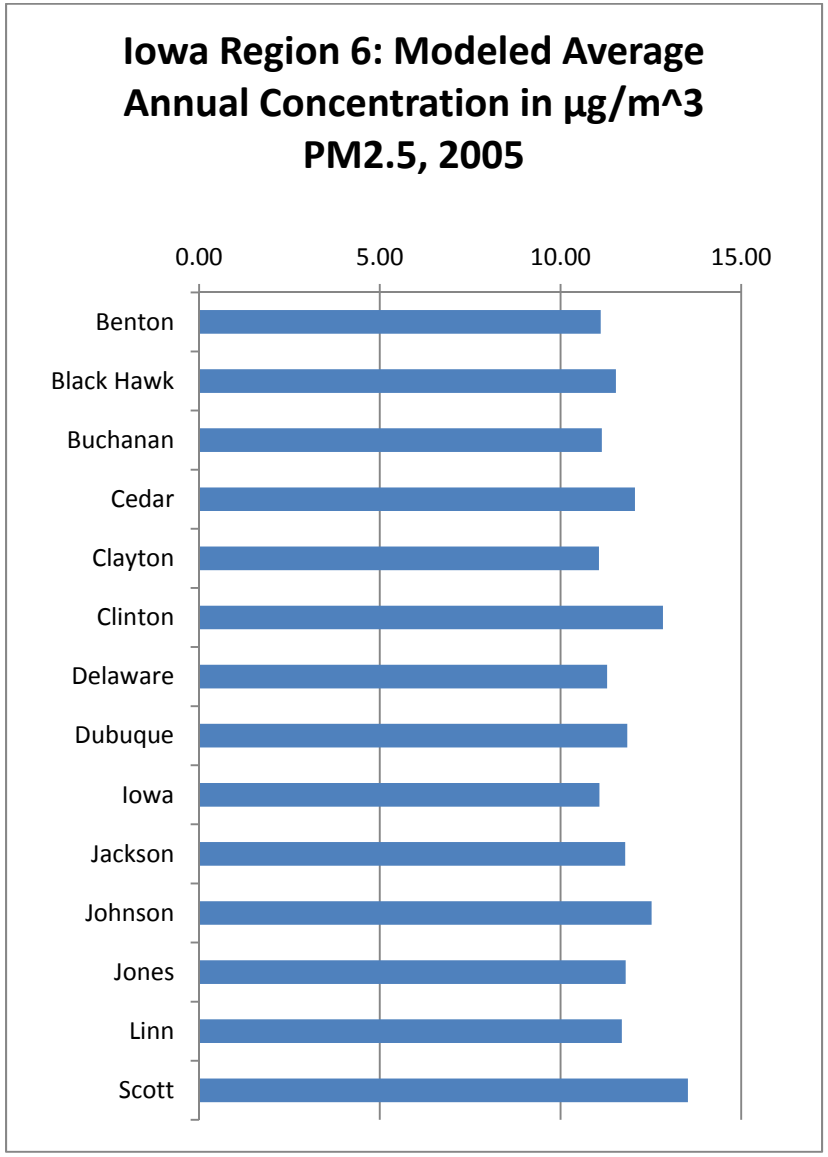
Region 6

Region 4: Modeled Average Concentration PM2.5, 2005	
County	**Average PM2.5 Concentration**
Benton	11.11
Black Hawk	11.53
Buchanan	11.15
Cedar	12.06
Clayton	11.06
Clinton	12.84
Delaware	11.29
Dubuque	11.85
Iowa	11.08
Jackson	11.79
Johnson	12.52
Jones	11.80
Linn	11.70
Scott	13.53



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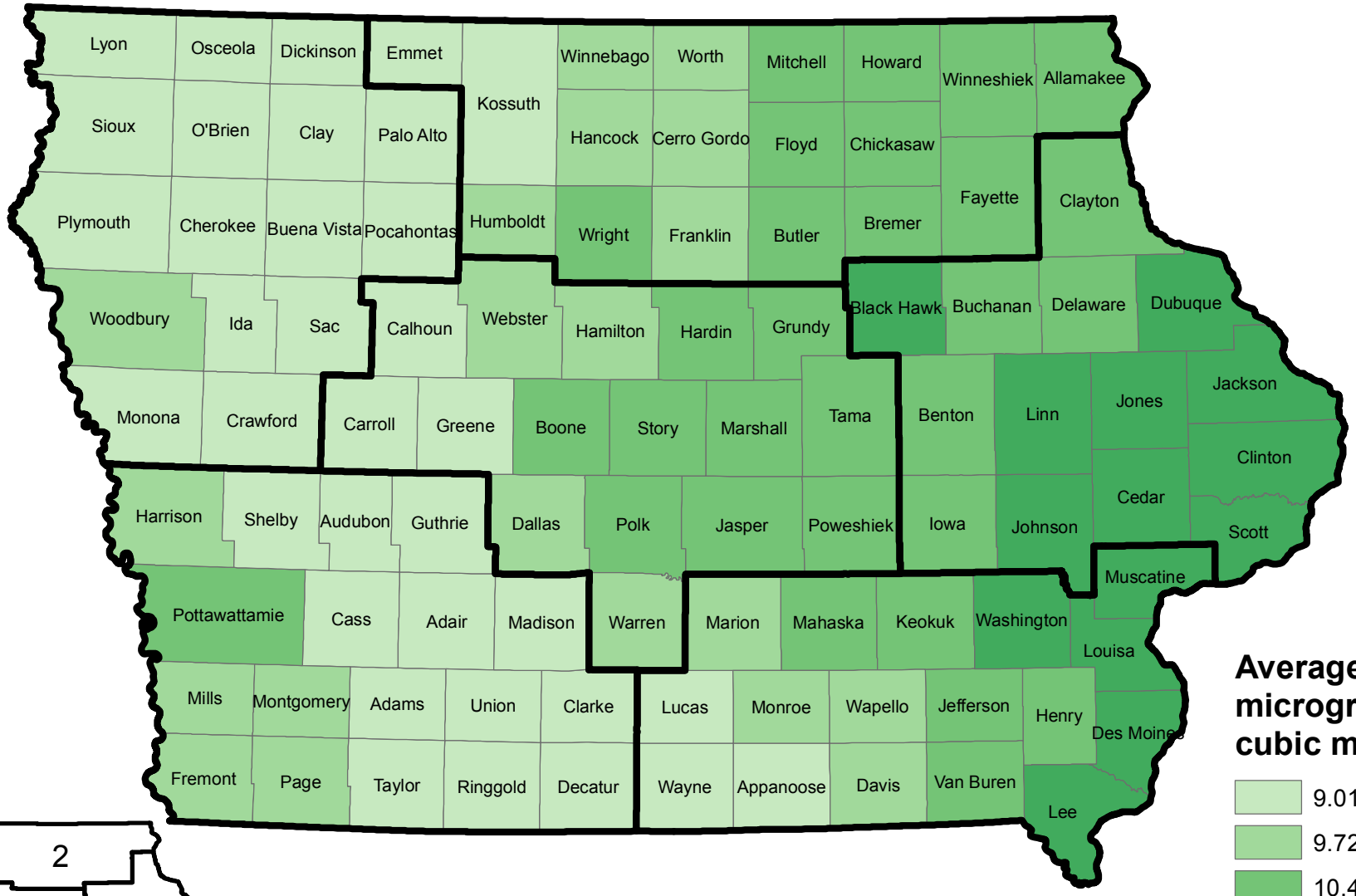
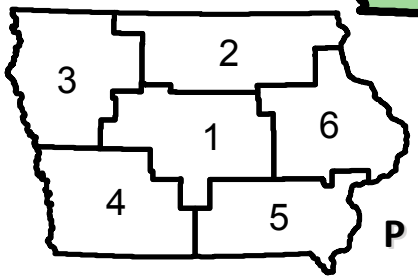
Modeled Annual Average PM 2.5 Level
2005



Average PM2.5 in micrograms per cubic meter

- 9.01 - 9.71
- 9.72 - 10.47
- 10.48 - 11.46
- 11.47 - 13.53



Public Health Regions