Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Asthma

County Level Hospitalizations Year 2003

This report uses data collected by hospitals. It can be used to identify trends and patterns in the occurrence of asthma hospitalizations across time and space. Asthma hospital admissions tend to be for more severe asthma attacks and do not include asthma among individuals who do not receive medical care, who are not hospitalized, or who are treated in outpatient settings.

The Hospitalization data used does not include Iowa residents hospitalized in federally operated military or Veterans Administration facilities or facilities outside of Iowa.

Rate are age-adjusted using the direct method to the 2000 US Standard Population.

Presented below are data that represent the nationally consistent data measures related to Hospitalizations for Asthma in Iowa for the Year 2003:

- The case counts for hospitalizations for Asthma at the County level for all ages
- The crude rate per 10,000 population of hospitalizations for Asthma at the County level for all ages
- The age adjusted rate per 10,000 population of hospitalization for Asthma at the County level for all ages
- The age specific crude rate per 10,000 population of hospitalizations for Asthma at the County level for specific age groups is not included due to the high occurrence of suppressed values.

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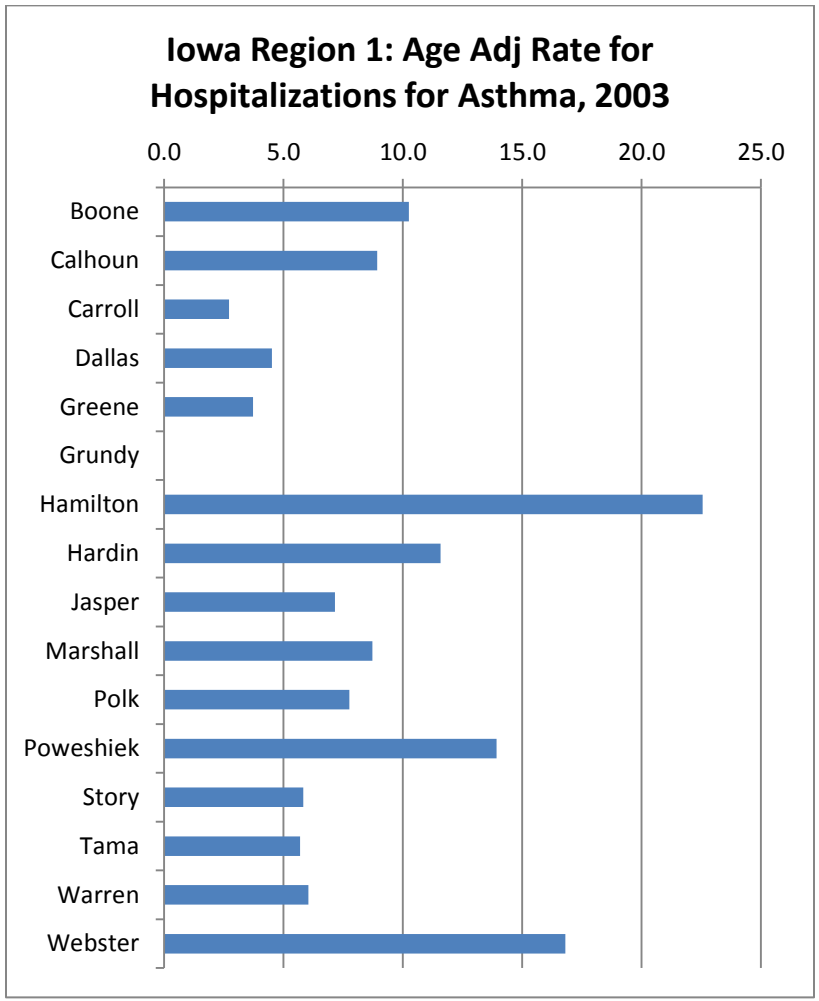
1. Annual case counts and Age-adjusted incidence rates for all ages for Hospitalizations for Asthma at the County level by Public Health Region.

Region 1

Region 1: Incidence of Hospitalizations for Asthma, 2003			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Boone	27	10.3	10.2
Calhoun	8	7.6	8.9
Carroll	7	3.3	2.7
Dallas	21	4.5	4.5
Greene	5	5.0	3.7
Grundy	<5	Suppressed	Suppressed
Hamilton	39	24.1	22.6
Hardin	26	14.3	11.6
Jasper	26	7.0	7.2
Marshall	34	8.7	8.7
Polk	302	7.7	7.8
Poweshiek	23	12.2	13.9
Story	38	4.7	5.8
Tama	11	6.2	5.7
Warren	25	6.0	6.0
Webster	66	16.8	16.8
State of Iowa	2396	8.17	8.08



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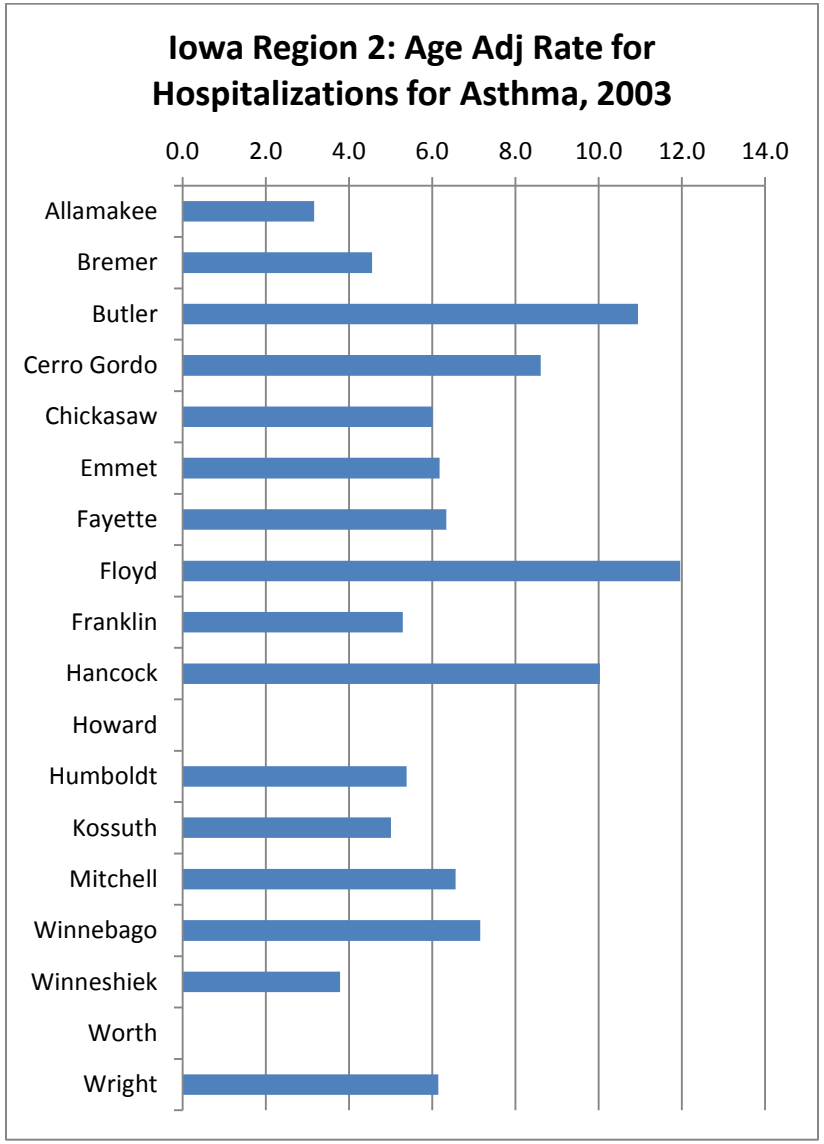
Region 2

Region 2: Incidence of Hospitalizations for Asthma, 2003			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Allamakee	5	3.5	3.2
Bremer	12	5.2	4.6
Butler	19	12.9	10.9
Cerro Gordo	38	8.4	8.6
Chickasaw	8	6.4	6.0
Emmet	8	7.5	6.2
Fayette	14	6.6	6.3
Floyd	21	12.7	12.0
Franklin	7	6.6	5.3
Hancock	12	10.2	10.0
Howard	<5	Suppressed	Suppressed
Humboldt	5	5.0	5.4
Kossuth	8	4.9	5.0
Mitchell	8	7.4	6.6
Winnebago	7	6.2	7.2
Winneshiek	9	4.3	3.8
Worth	<5	Suppressed	Suppressed
Wright	8	5.9	6.1
State of Iowa	2396	8.17	8.08



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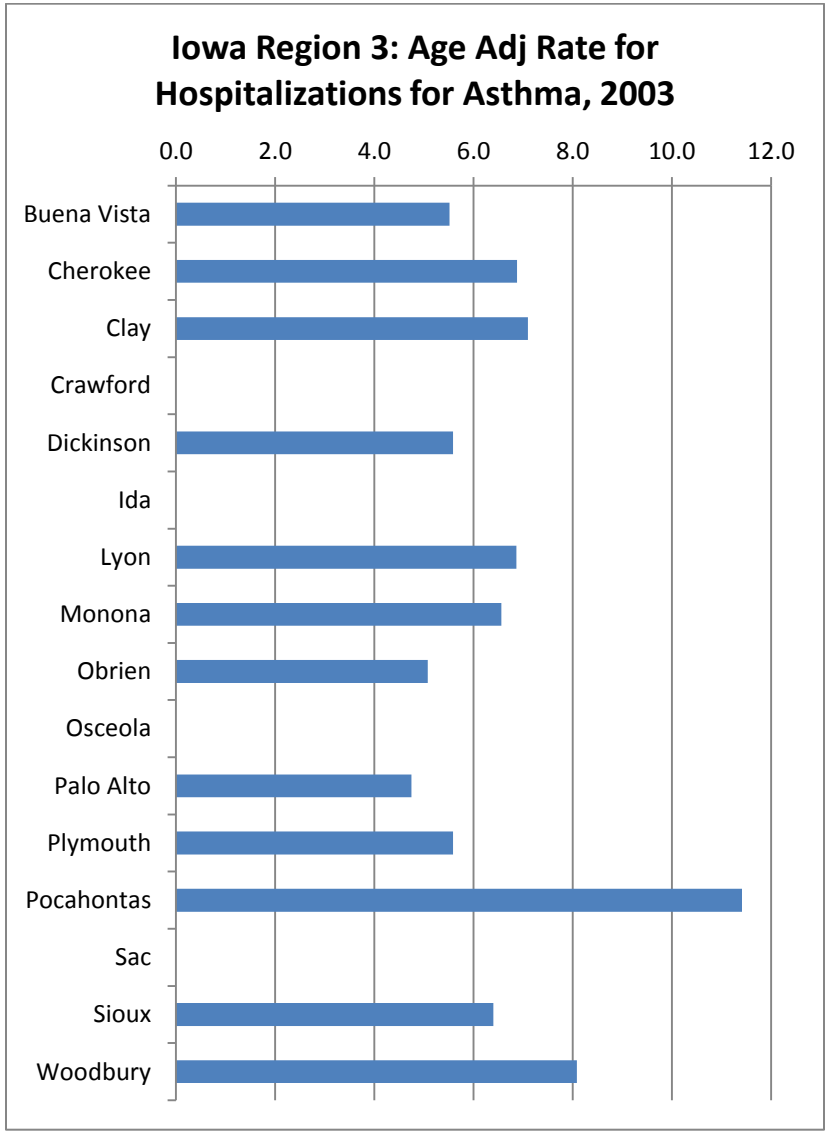
Region 3

Region 3: Incidence of Hospitalizations for Asthma, 2003			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Buena Vista	12	6.0	5.5
Cherokee	8	6.5	6.9
Clay	13	7.7	7.1
Crawford	<5	Suppressed	Suppressed
Dickinson	11	6.7	5.6
Ida	<5	Suppressed	
Lyon	11	9.5	6.9
Monona	7	7.2	6.6
Obrien	9	6.2	5.1
Osceola	<5	Suppressed	Suppressed
Palo Alto	6	6.2	4.7
Plymouth	14	5.7	5.6
Pocahontas	12	14.7	11.4
Sac	<5	Suppressed	Suppressed
Sioux	21	6.6	6.4
Woodbury	82	8.0	8.1
State of Iowa	2396	8.17	8.08



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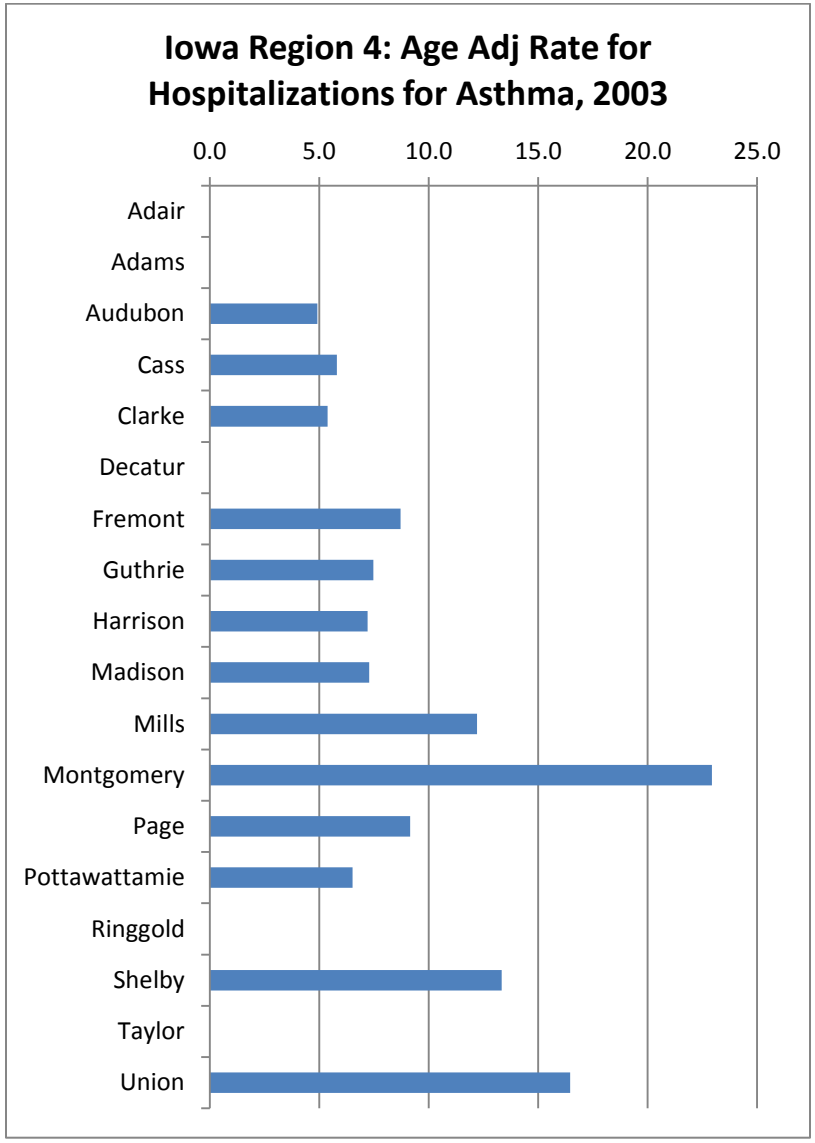
Region 4

Region 4: Incidence of Hospitalizations for Asthma, 2003			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Adair	<5	Suppressed	Suppressed
Adams	<5	Suppressed	Suppressed
Audubon	5	7.8	4.9
Cass	10	7.0	5.8
Clarke	5	5.4	5.4
Decatur	<5	Suppressed	Suppressed
Fremont	6	7.8	8.7
Guthrie	8	7.1	7.5
Harrison	12	7.7	7.2
Madison	10	6.9	7.3
Mills	18	12.3	12.2
Montgomery	27	24.1	22.9
Page	14	8.7	9.2
Pottawattamie	58	6.6	6.5
Ringgold	<5	Suppressed	Suppressed
Shelby	16	12.6	13.3
Taylor	<5	Suppressed	Suppressed
Union	19	16.0	16.5
State of Iowa	2396	8.17	8.08



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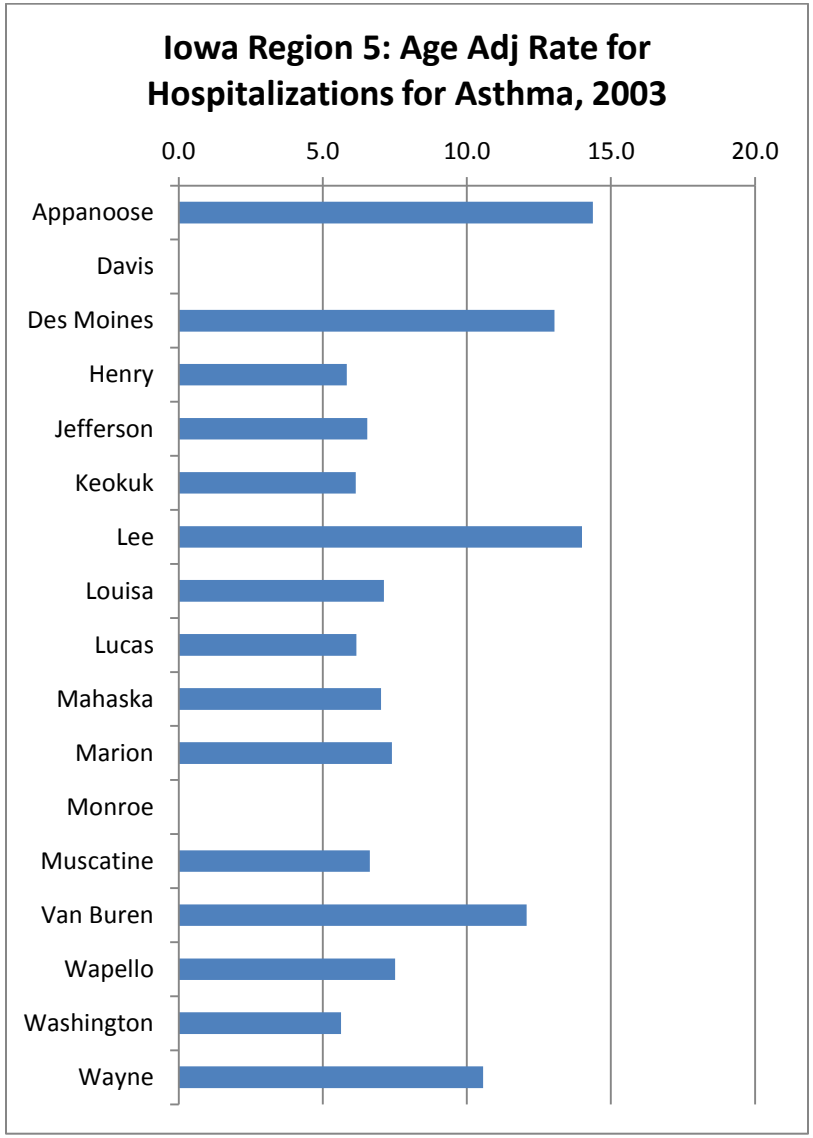
Region 5

Region 5: Incidence of Hospitalizations for Asthma, 2003			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Appanoose	20	14.9	14.4
Davis	<5	Suppressed	Suppressed
Des Moines	53	12.9	13.0
Henry	12	6.0	5.8
Jefferson	10	6.4	6.5
Keokuk	7	6.3	6.1
Lee	51	14.0	14.0
Louisa	9	7.4	7.1
Lucas	6	6.3	6.2
Mahaska	16	7.3	7.0
Marion	25	7.7	7.4
Monroe	<5	Suppressed	Suppressed
Muscatine	28	6.7	6.6
Van Buren	9	11.7	12.1
Wapello	29	8.1	7.5
Washington	12	5.7	5.6
Wayne	9	13.7	10.6
State of Iowa	2396	8.17	8.08



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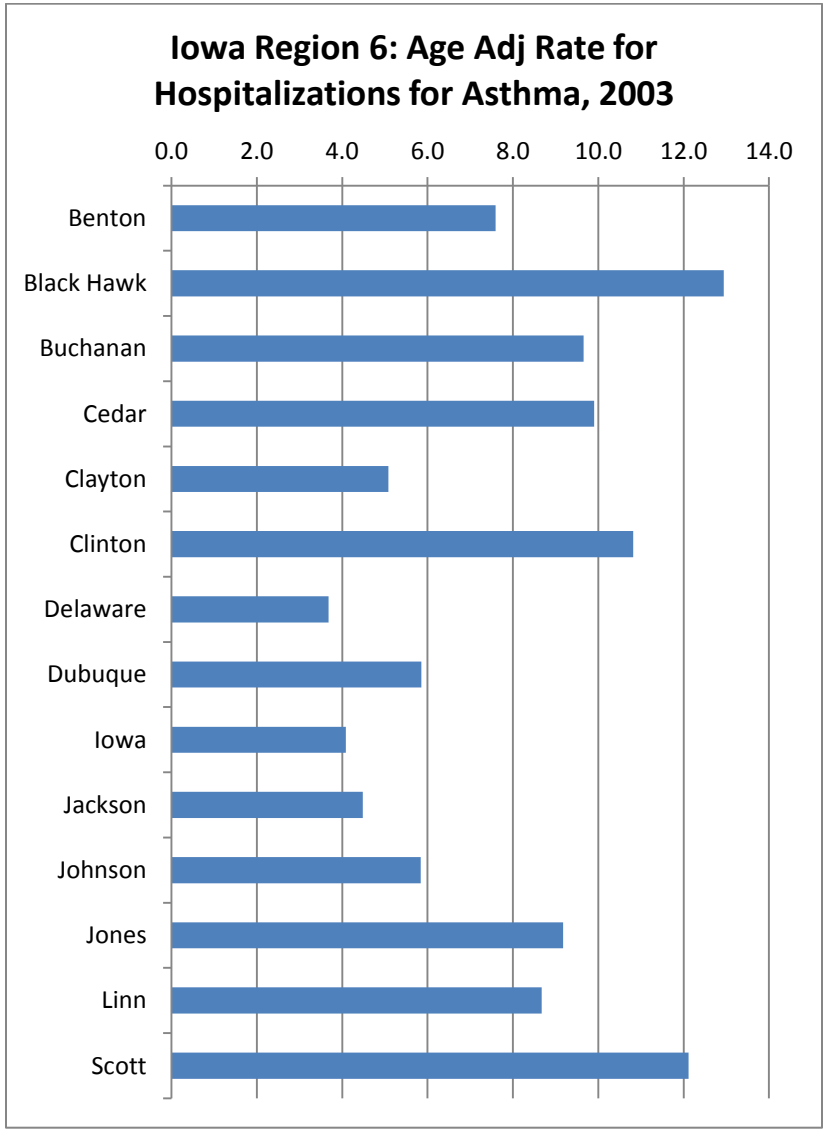
Region 6

Region 6: Incidence of Hospitalizations for Asthma, 2003			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Benton	20	7.6	7.6
Black Hawk	158	12.5	12.9
Buchanan	21	10.1	9.7
Cedar	19	10.5	9.9
Clayton	9	5.0	5.1
Clinton	54	10.9	10.8
Delaware	7	3.9	3.7
Dubuque	56	6.2	5.9
Iowa	7	4.4	4.1
Jackson	9	4.5	4.5
Johnson	59	5.0	5.8
Jones	18	8.9	9.2
Linn	170	8.6	8.7
Scott	193	12.2	12.1
State of Iowa	2396	8.17	8.08



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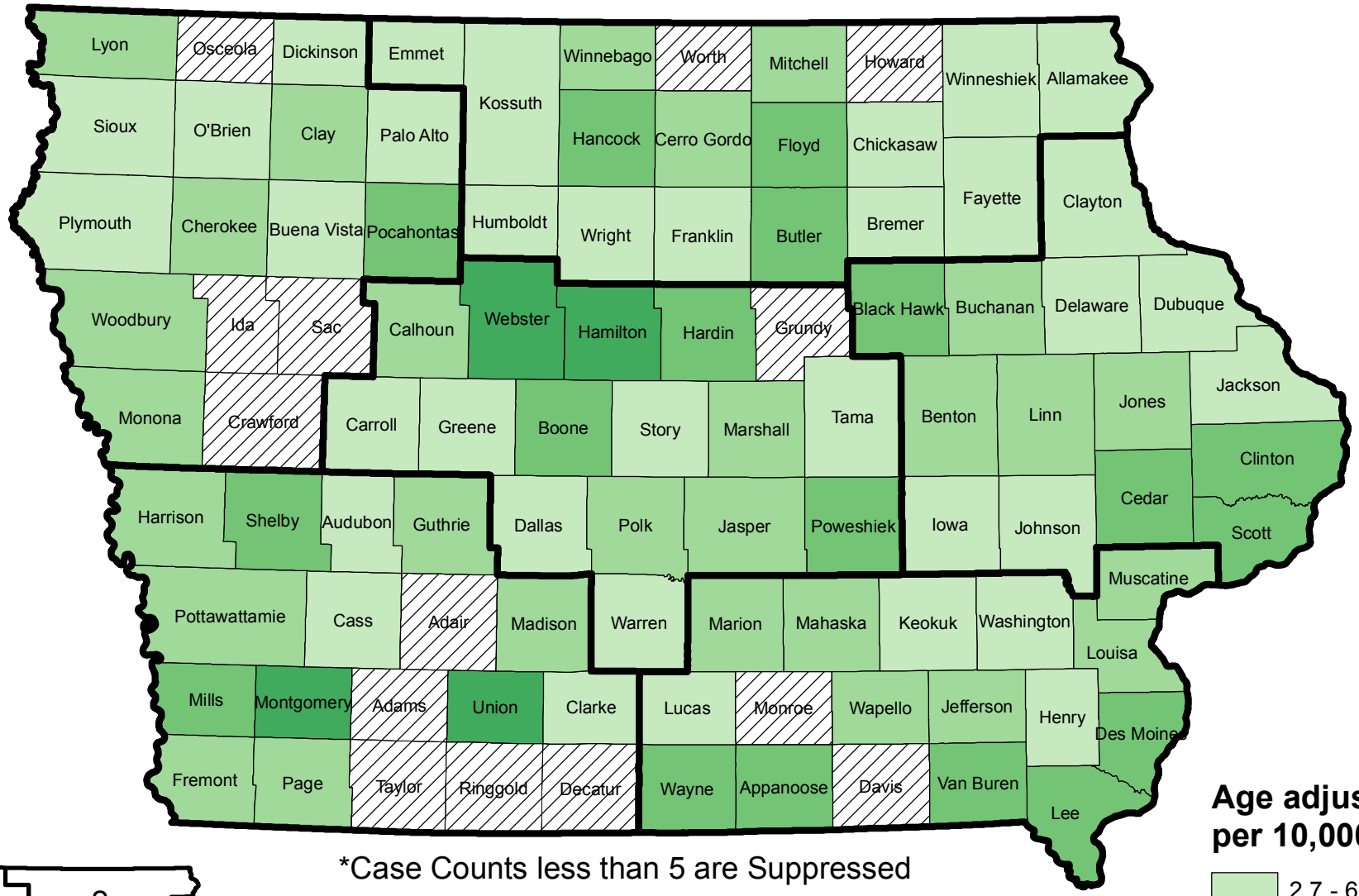
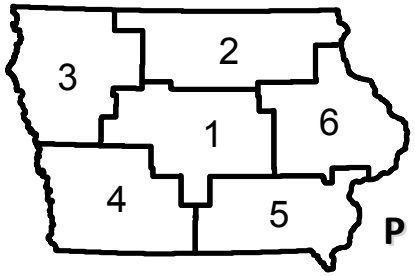
Incidence of Asthma Hospitalizations: 2003



*Case Counts less than 5 are Suppressed



Public Health Regions

Age adjusted rate per 10,000 population

- 2.7 - 6.4
- 6.5 - 9.7
- 9.8 - 14.4
- 14.5 - 22.9
- Suppressed