Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Asthma

County Level Hospitalizations Year 2008

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 2008:

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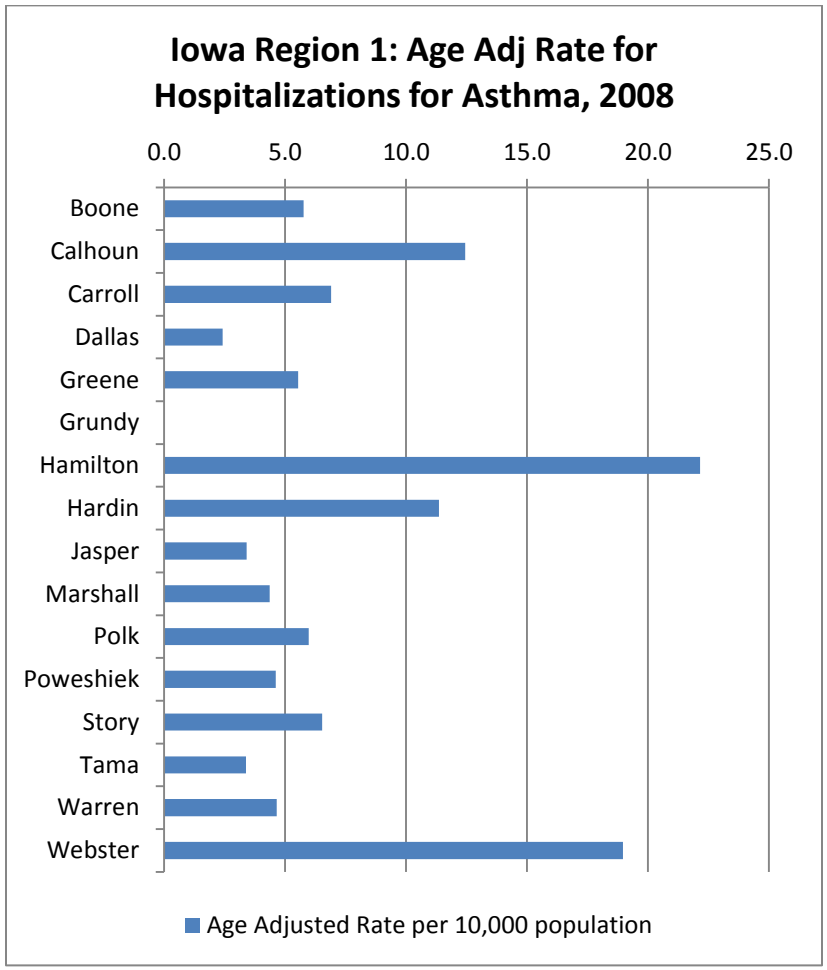
1. Annual case counts and Age-adjusted incidence rates for all ages for Hospitalizations for Asthma at the County level by Public Health Region.

Region 1

Region 1: Incidence of Hospitalizations for Asthma, 2008			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Boone	15	5.7	5.8
Calhoun	15	15.2	12.4
Carroll	14	6.8	6.9
Dallas	15	2.5	2.4
Greene	5	5.3	5.5
Grundy	<5	Suppressed	Suppressed
Hamilton	34	22.1	22.2
Hardin	22	12.7	11.4
Jasper	13	3.6	3.4
Marshall	18	4.6	4.4
Polk	253	6.0	6.0
Poweshiek	10	5.4	4.6
Story	47	5.5	6.5
Tama	6	3.4	3.4
Warren	21	4.7	4.7
Webster	77	20.1	19.0
State of Iowa	2191	7.32	7.17



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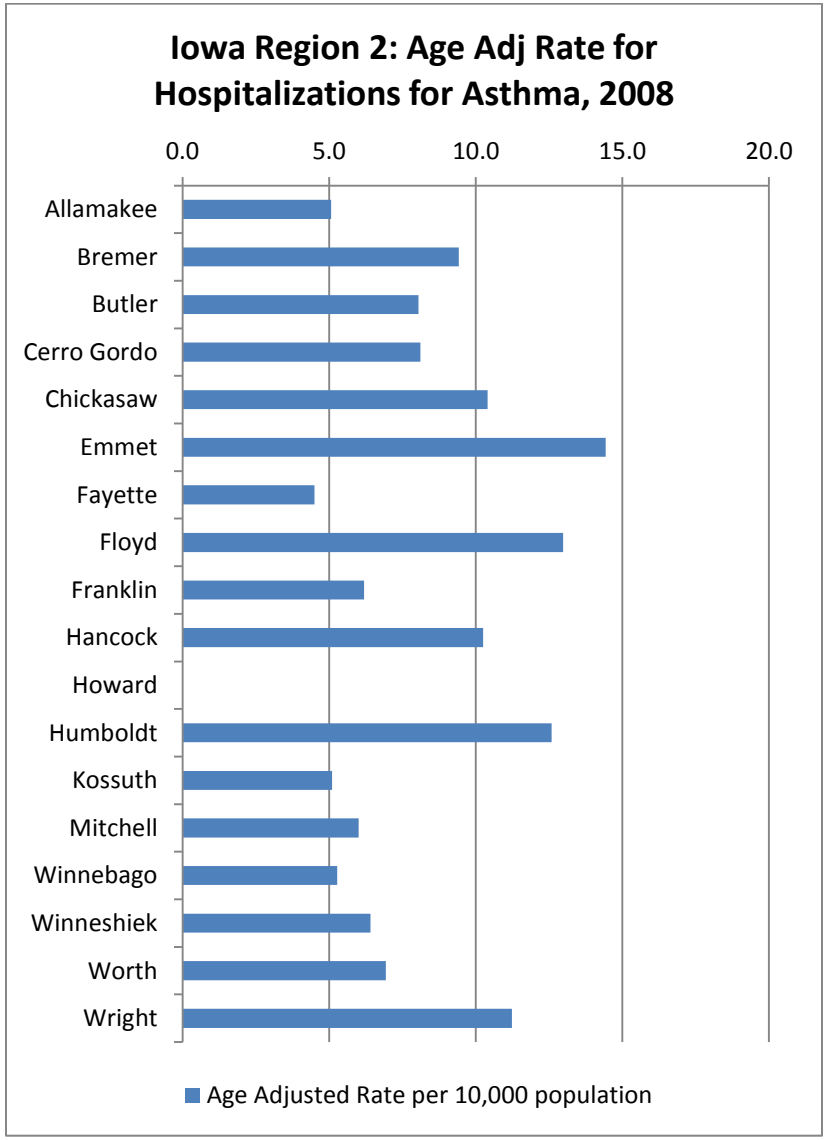
Region 2

Region 2: Incidence of Hospitalizations for Asthma, 2008			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Allamakee	8	5.5	5.1
Bremer	22	9.4	9.4
Butler	13	8.9	8.0
Cerro Gordo	38	8.7	8.1
Chickasaw	14	11.6	10.4
Emmet	17	16.4	14.4
Fayette	10	4.9	4.5
Floyd	22	13.7	13.0
Franklin	7	6.6	6.2
Hancock	11	9.8	10.2
Howard	<5	Suppressed	Suppressed
Humboldt	13	13.6	12.6
Kossuth	7	4.6	5.1
Mitchell	7	6.5	6.0
Winnebago	6	5.6	5.3
Winneshiek	14	6.8	6.4
Worth	5	6.6	6.9
Wright	14	10.9	11.2
State of Iowa	2191	7.32	7.17



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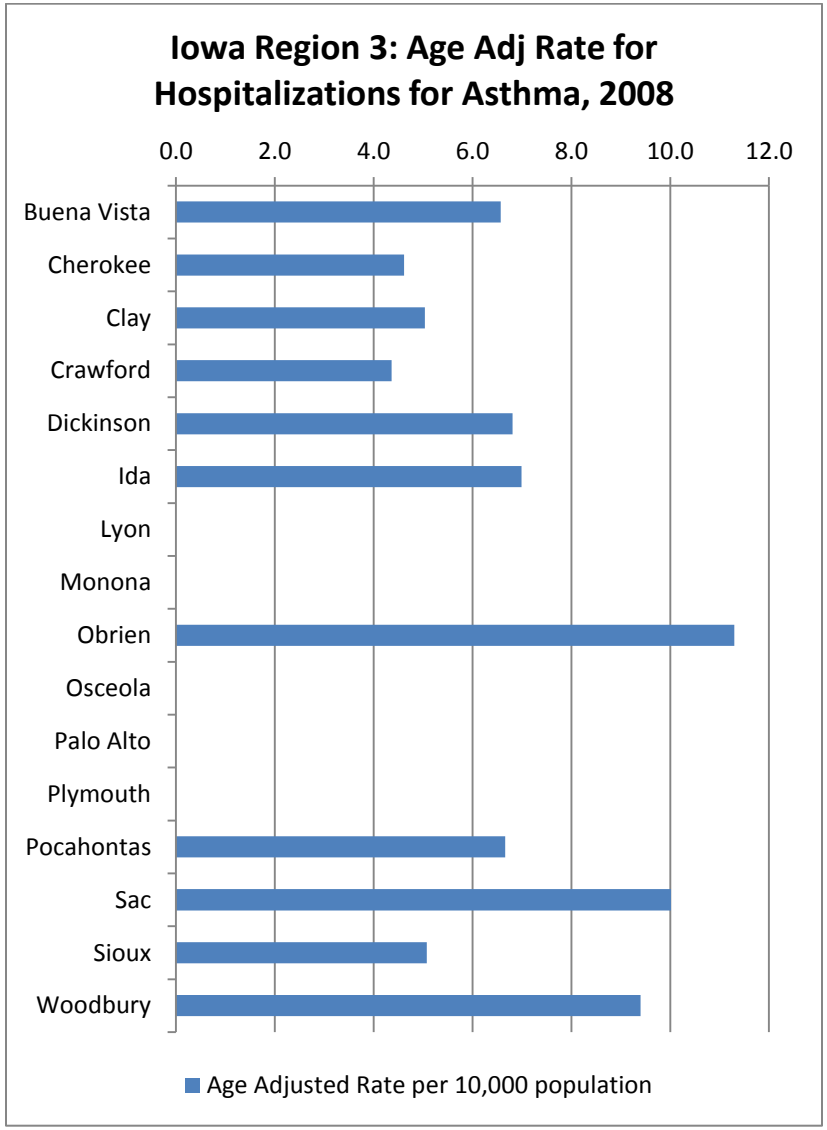
Region 3

Region 3: Incidence of Hospitalizations for Asthma, 2008			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Buena Vista	14	7.2	6.6
Cherokee	7	6.1	4.6
Clay	9	5.4	5.0
Crawford	8	4.9	4.4
Dickinson	14	8.4	6.8
Ida	6	8.7	7.0
Lyon	<5	Suppressed	Suppressed
Monona	<5	Suppressed	Suppressed
Obrien	16	11.5	11.3
Osceola	<5	Suppressed	Suppressed
Palo Alto	<5	Suppressed	Suppressed
Plymouth	<5	Suppressed	Suppressed
Pocahontas	6	8.0	6.7
Sac	11	10.8	10.0
Sioux	18	5.6	5.1
Woodbury	96	9.4	9.4
State of Iowa	2191	7.32	7.17



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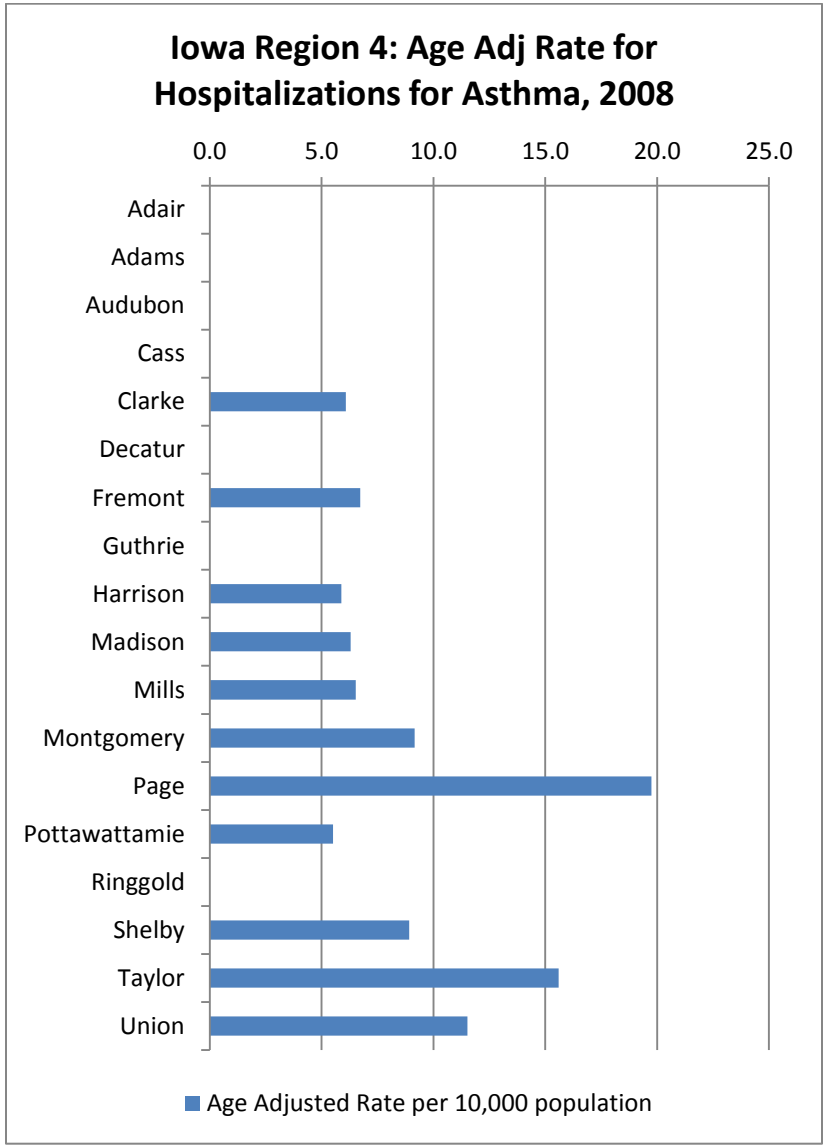
Region 4

Region 4: Incidence of Hospitalizations for Asthma, 2008			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Adair	<5	Suppressed	Suppressed
Adams	<5	Suppressed	Suppressed
Audubon	<5	Suppressed	Suppressed
Cass	<5	Suppressed	Suppressed
Clarke	6	6.6	6.1
Decatur	<5	Suppressed	Suppressed
Fremont	5	6.7	6.7
Guthrie	<5	Suppressed	Suppressed
Harrison	11	7.2	5.9
Madison	10	6.5	6.3
Mills	10	6.6	6.5
Montgomery	11	10.2	9.2
Page	37	23.8	19.7
Pottawattamie	51	5.7	5.5
Ringgold	<5	Suppressed	Suppressed
Shelby	12	9.9	8.9
Taylor	11	17.4	15.6
Union	14	11.5	11.5
State of Iowa	2191	7.32	7.17



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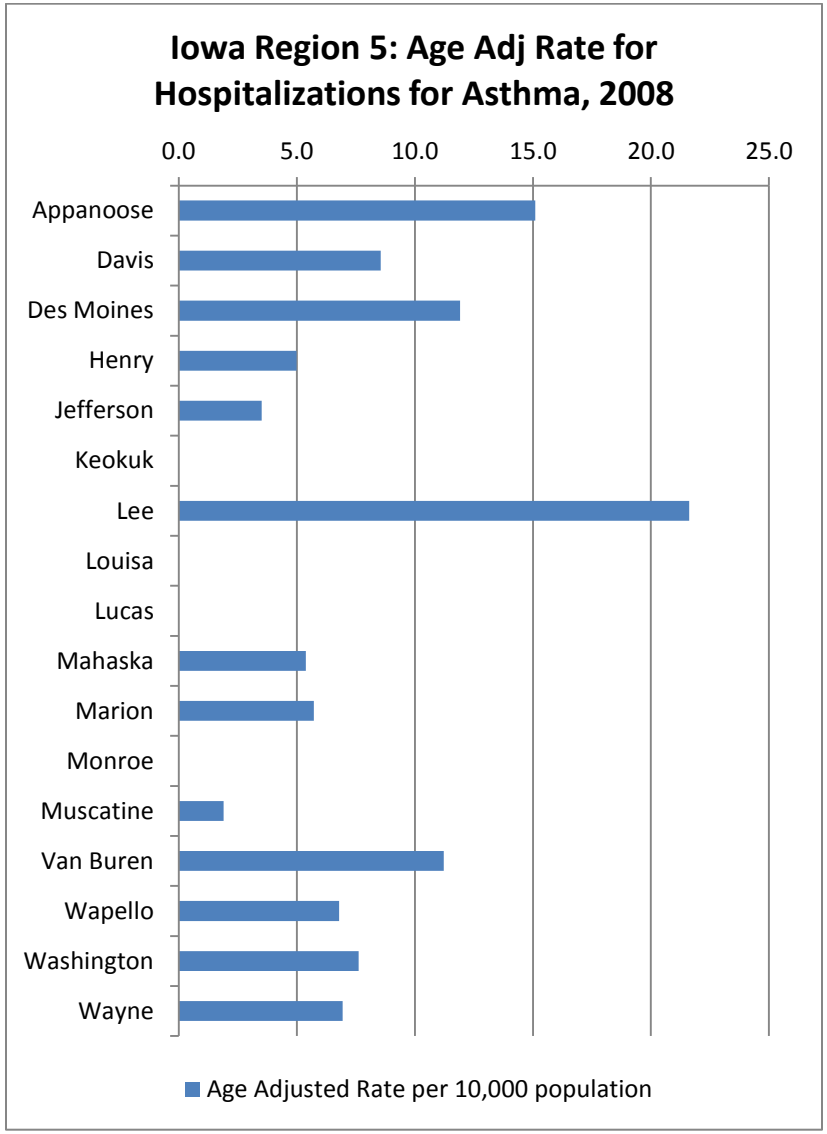
Region 5

Region 5: Incidence of Hospitalizations for Asthma, 2008			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Appanoose	21	16.4	15.1
Davis	8	9.3	8.6
Des Moines	49	12.0	11.9
Henry	10	5.0	5.0
Jefferson	5	3.2	3.5
Keokuk	<5	Suppressed	Suppressed
Lee	82	23.1	21.6
Louisa	<5	Suppressed	Suppressed
Lucas	<5	Suppressed	Suppressed
Mahaska	12	5.4	5.4
Marion	19	5.8	5.7
Monroe	<5	Suppressed	Suppressed
Muscatine	8	1.9	1.9
Van Buren	9	11.7	11.2
Wapello	25	7.1	6.8
Washington	17	8.0	7.6
Wayne	6	9.6	6.9
State of Iowa	2191	7.32	7.17



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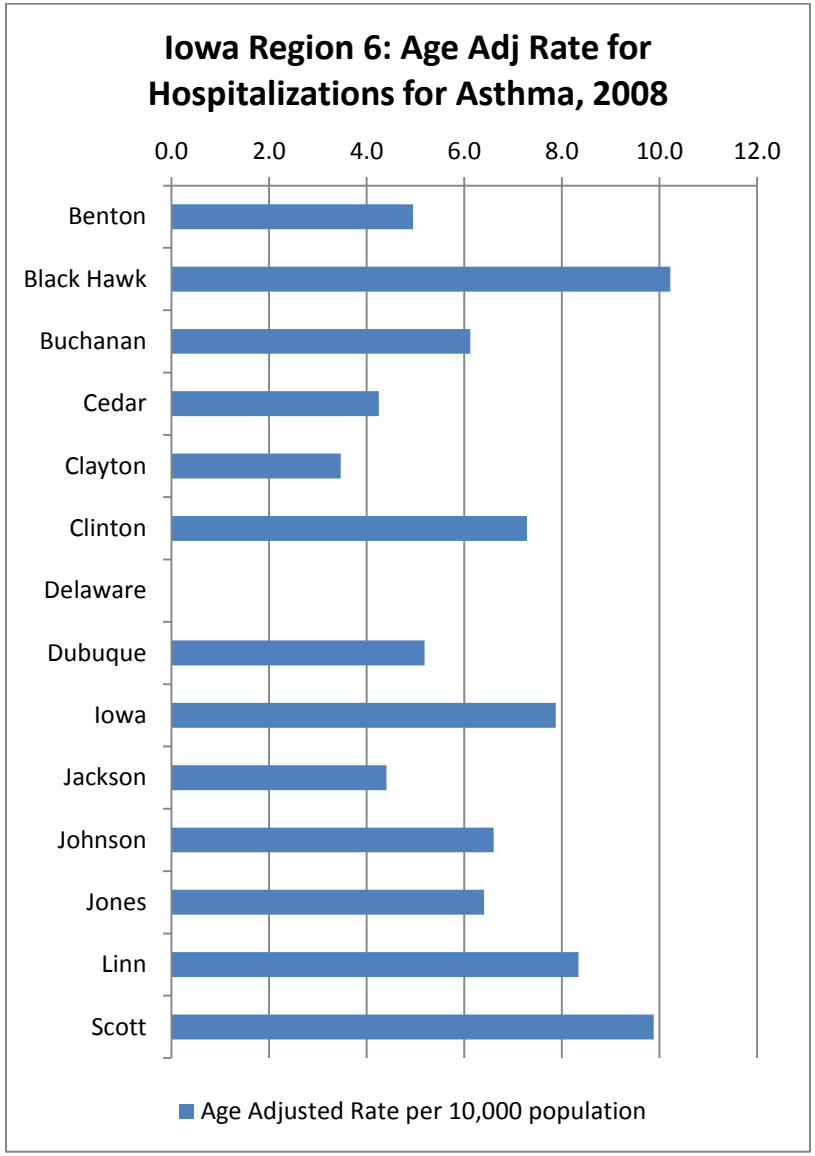
Region 6

Region 6: Incidence of Hospitalizations for Asthma, 2008			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Benton	14	5.3	4.9
Black Hawk	123	9.6	10.2
Buchanan	12	5.7	6.1
Cedar	8	4.4	4.3
Clayton	7	4.0	3.5
Clinton	35	7.1	7.3
Delaware	<5	Suppressed	Suppressed
Dubuque	51	5.5	5.2
Iowa	14	8.9	7.9
Jackson	9	4.5	4.4
Johnson	69	5.4	6.6
Jones	13	6.4	6.4
Linn	173	8.3	8.3
Scott	164	10.0	9.9
State of Iowa	2191	7.32	7.17



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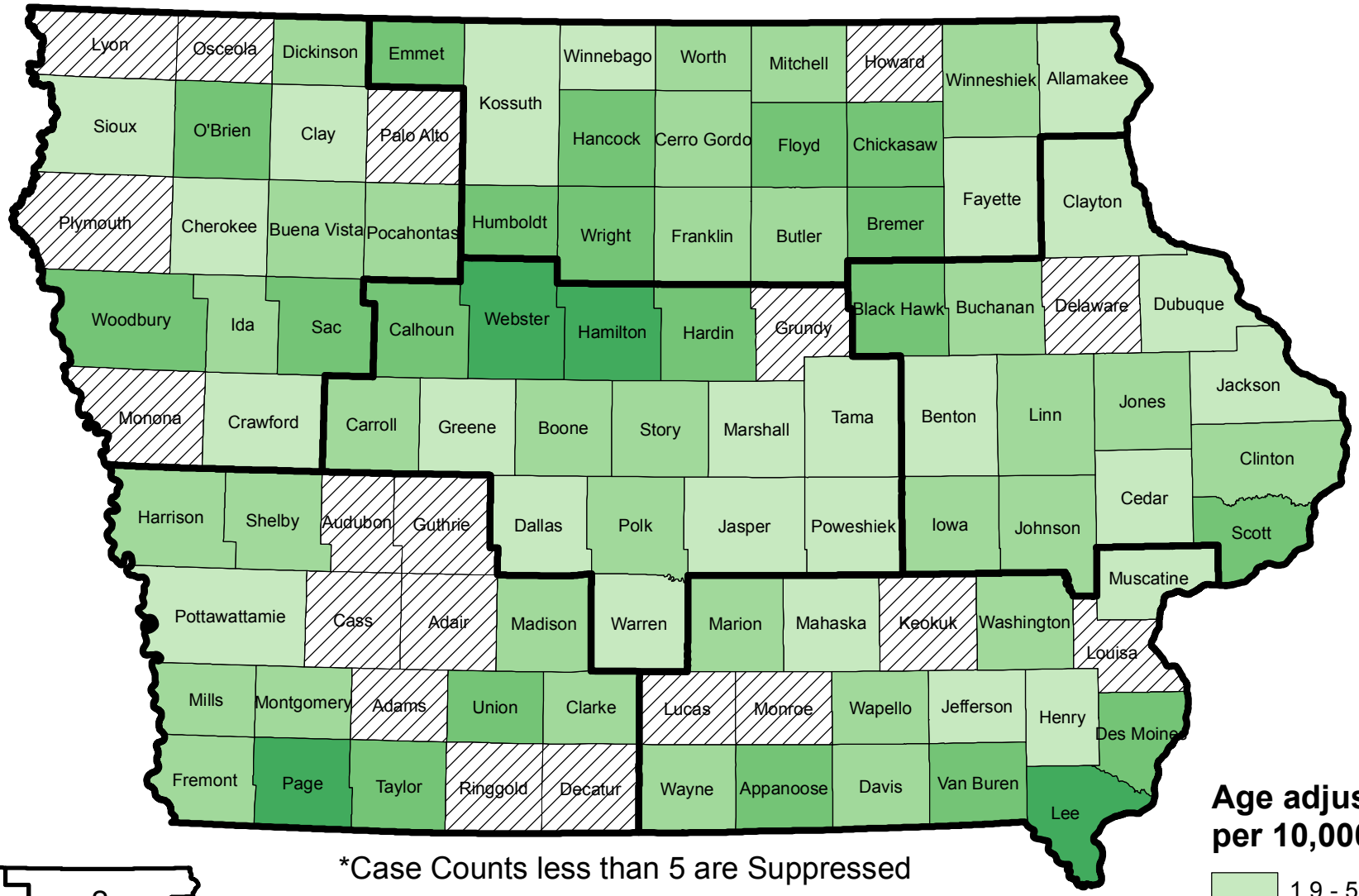
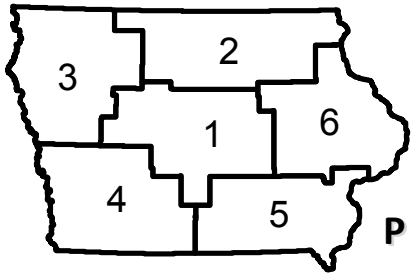
Incidence of Asthma Hospitalizations: 2008



*Case Counts less than 5 are Suppressed



Public Health Regions

Age adjusted rate per 10,000 population

- 1.9 - 5.5
- 5.6 - 9.2
- 9.3 - 15.6
- 15.7 - 22.2
- Suppressed