Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Asthma

County Level Hospitalizations Year 2002

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 2002:

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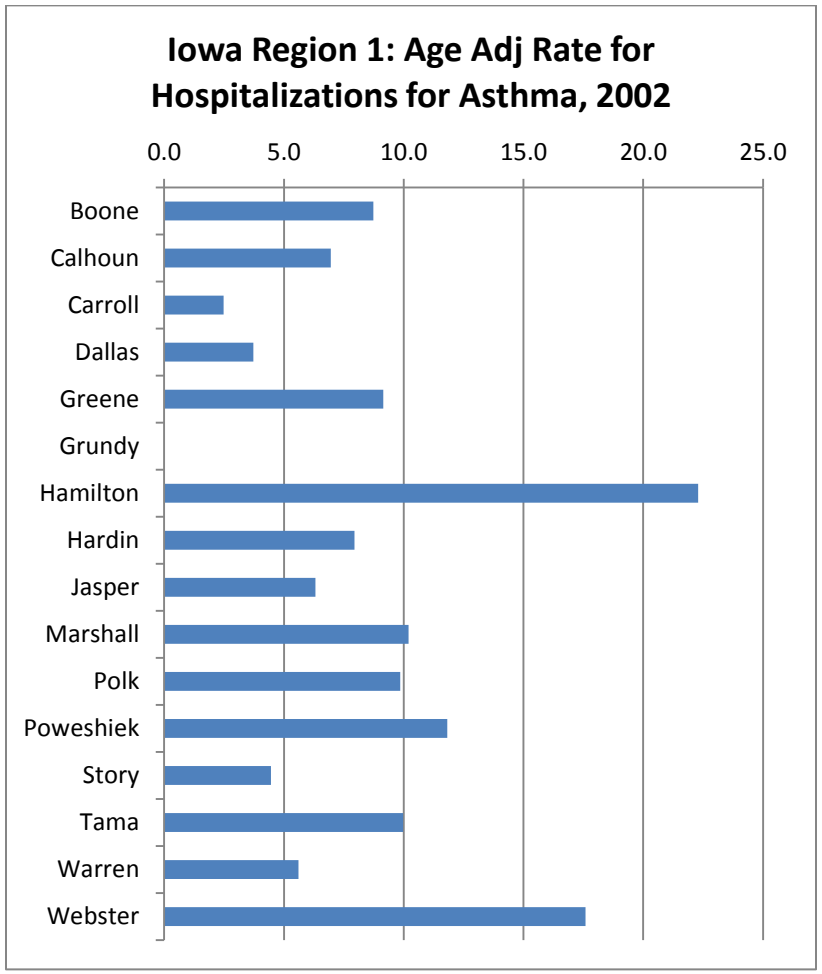
1. Annual case counts and Age-adjusted incidence rates for all ages for Hospitalizations for Asthma at the County level by Public Health Region.

Region 1

Region 1: Incidence of Hospitalizations for Asthma, 2002			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Boone	23	8.8	8.7
Calhoun	7	6.5	7.0
Carroll	5	2.4	2.5
Dallas	16	3.6	3.7
Greene	9	8.9	9.2
Grundy	<5	Suppressed	Suppressed
Hamilton	40	24.7	22.3
Hardin	16	8.7	7.9
Jasper	25	6.7	6.3
Marshall	40	10.2	10.2
Polk	377	9.8	9.9
Poweshiek	24	12.8	11.8
Story	31	3.8	4.5
Tama	20	11.2	10.0
Warren	23	5.6	5.6
Webster	68	17.1	17.6
State of Iowa	2306	7.87	7.80



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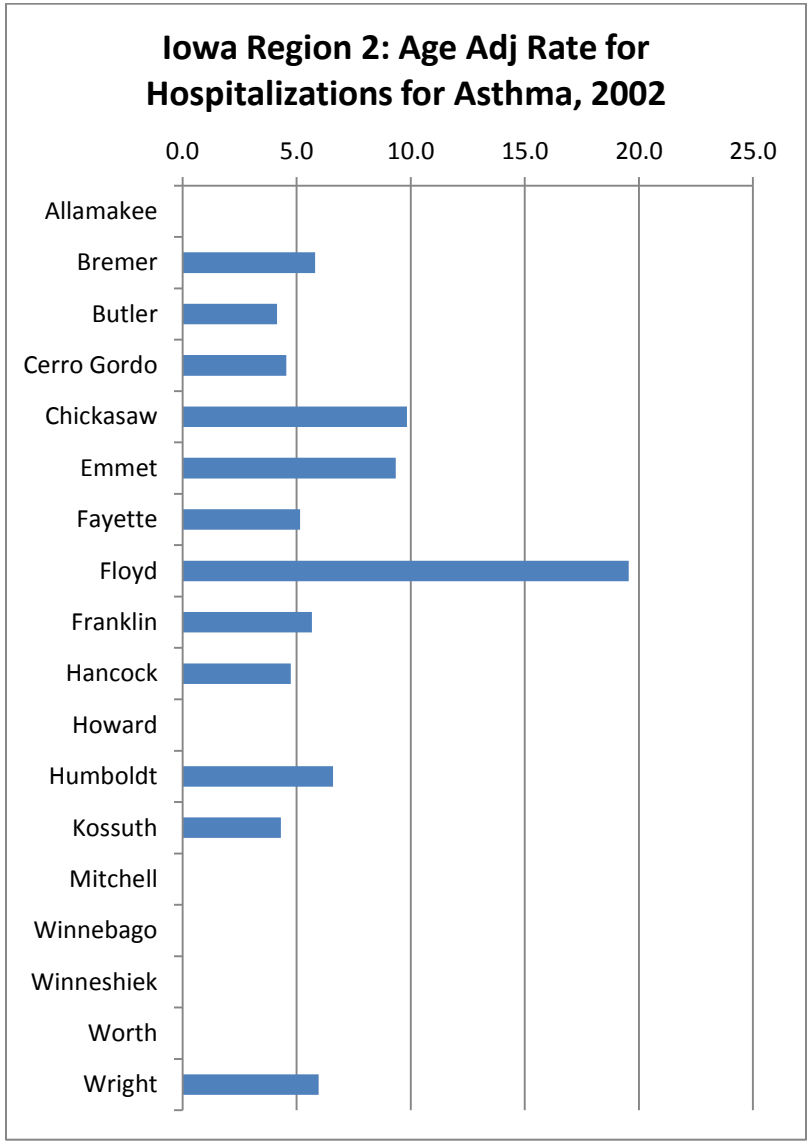
Region 2

Region 2: Incidence of Hospitalizations for Asthma, 2002			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Allamakee	<5	Suppressed	Suppressed
Bremer	15	6.5	5.8
Butler	8	5.4	4.1
Cerro Gordo	21	4.6	4.6
Chickasaw	14	11.0	9.8
Emmet	13	12.0	9.3
Fayette	11	5.1	5.2
Floyd	32	19.3	19.5
Franklin	6	5.6	5.7
Hancock	6	5.1	4.7
Howard	0	0.0	0.0
Humboldt	7	6.9	6.6
Kossuth	8	4.8	4.3
Mitchell	<5	Suppressed	Suppressed
Winnebago	<5	Suppressed	Suppressed
Winneshiek	<5	Suppressed	Suppressed
Worth	<5	Suppressed	Suppressed
Wright	9	6.5	6.0
State of Iowa	2306	7.87	7.80



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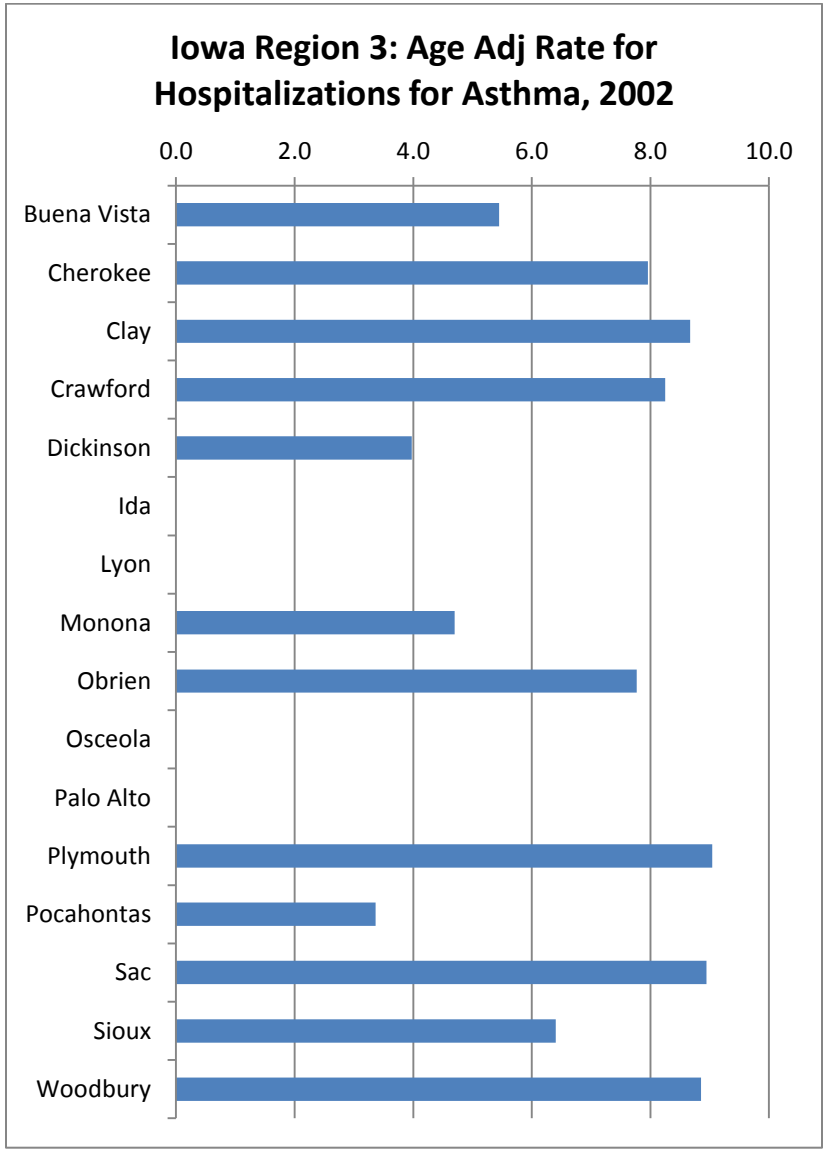
Region 3

Region 3: Incidence of Hospitalizations for Asthma, 2002			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Buena Vista	12	6.0	5.5
Cherokee	11	8.8	8.0
Clay	15	8.8	8.7
Crawford	14	8.3	8.2
Dickinson	7	4.3	4.0
Ida	<5	Suppressed	Suppressed
Lyon	<5	Suppressed	Suppressed
Monona	6	6.2	4.7
Obrien	12	8.2	7.8
Osceola	<5	Suppressed	Suppressed
Palo Alto	<5	Suppressed	Suppressed
Plymouth	22	9.0	9.0
Pocahontas	5	6.0	3.4
Sac	9	8.2	8.9
Sioux	21	6.6	6.4
Woodbury	92	8.9	8.9
State of Iowa	2306	7.87	7.80



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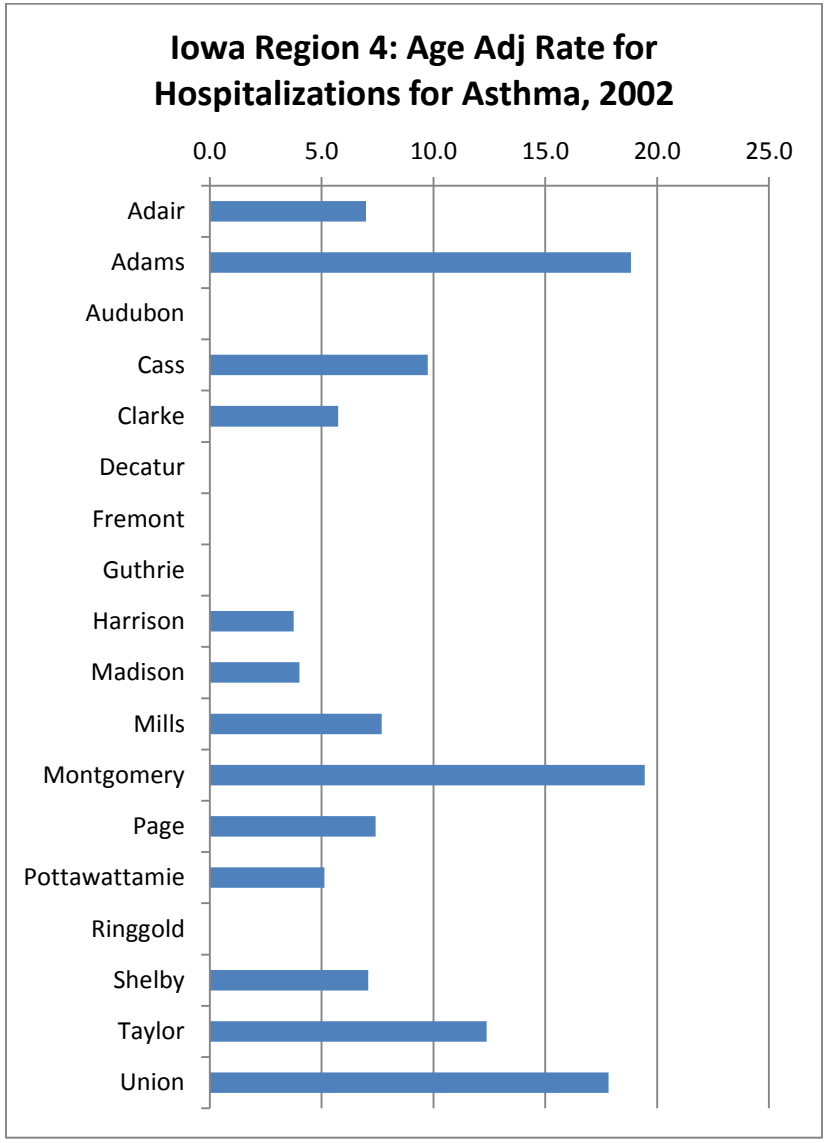
Region 4

Region 4: Incidence of Hospitalizations for Asthma, 2002			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Adair	6	7.5	7.0
Adams	8	18.4	18.8
Audubon	<5	Suppressed	Suppressed
Cass	15	10.6	9.7
Clarke	5	5.5	5.7
Decatur	<5	Suppressed	Suppressed
Fremont	<5	Suppressed	Suppressed
Guthrie	<5	Suppressed	Suppressed
Harrison	6	3.9	3.8
Madison	6	4.2	4.0
Mills	11	7.6	7.7
Montgomery	25	22.1	19.4
Page	12	7.3	7.4
Pottawattamie	45	5.1	5.1
Ringgold	<5	Suppressed	Suppressed
Shelby	9	7.0	7.1
Taylor	11	16.2	12.4
Union	22	18.2	17.8
State of Iowa	2306	7.87	7.80



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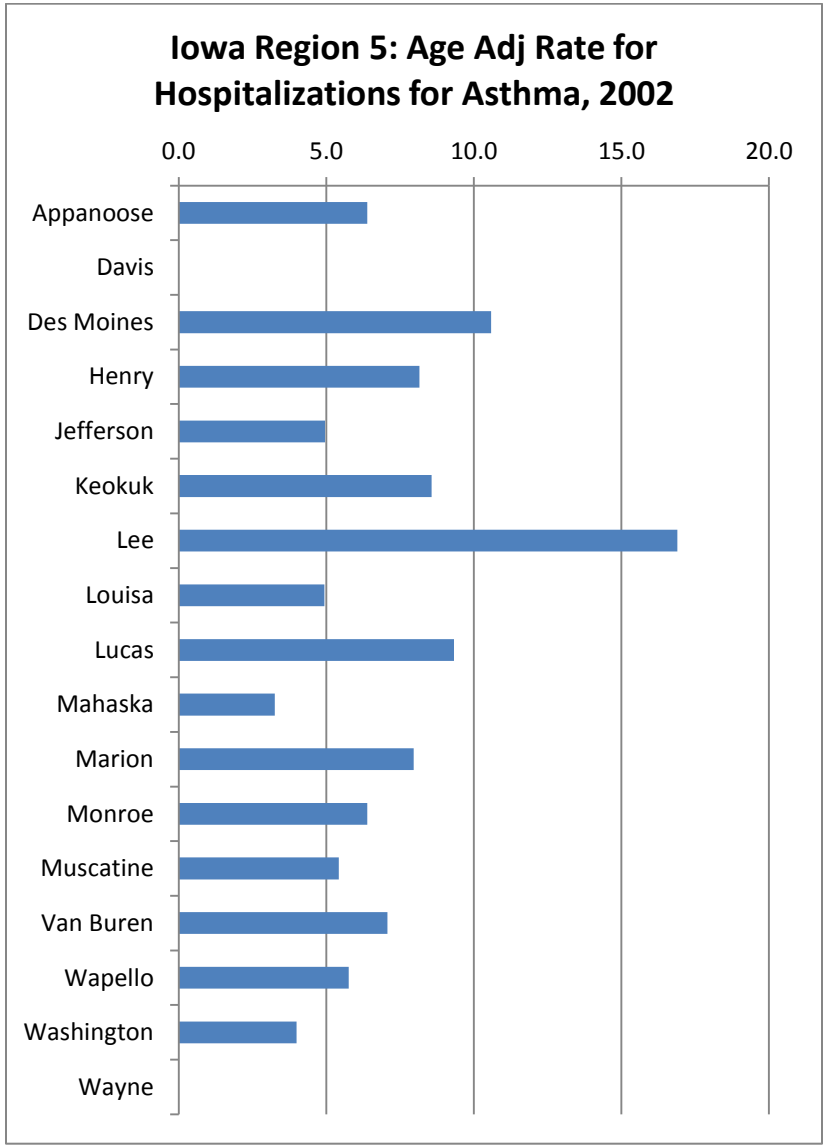
Region 5

Region 5: Incidence of Hospitalizations for Asthma, 2002			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Appanoose	8	6.0	6.4
Davis	<5	Suppressed	Suppressed
Des Moines	43	10.4	10.6
Henry	16	8.0	8.2
Jefferson	7	4.4	5.0
Keokuk	10	8.8	8.6
Lee	65	17.6	16.9
Louisa	6	4.9	4.9
Lucas	8	8.5	9.3
Mahaska	7	3.1	3.3
Marion	26	8.0	8.0
Monroe	6	7.7	6.4
Muscatine	23	5.5	5.4
Van Buren	5	6.5	7.1
Wapello	22	6.1	5.8
Washington	9	4.3	4.0
Wayne	<5	Suppressed	Suppressed
State of Iowa	2306	7.87	7.80



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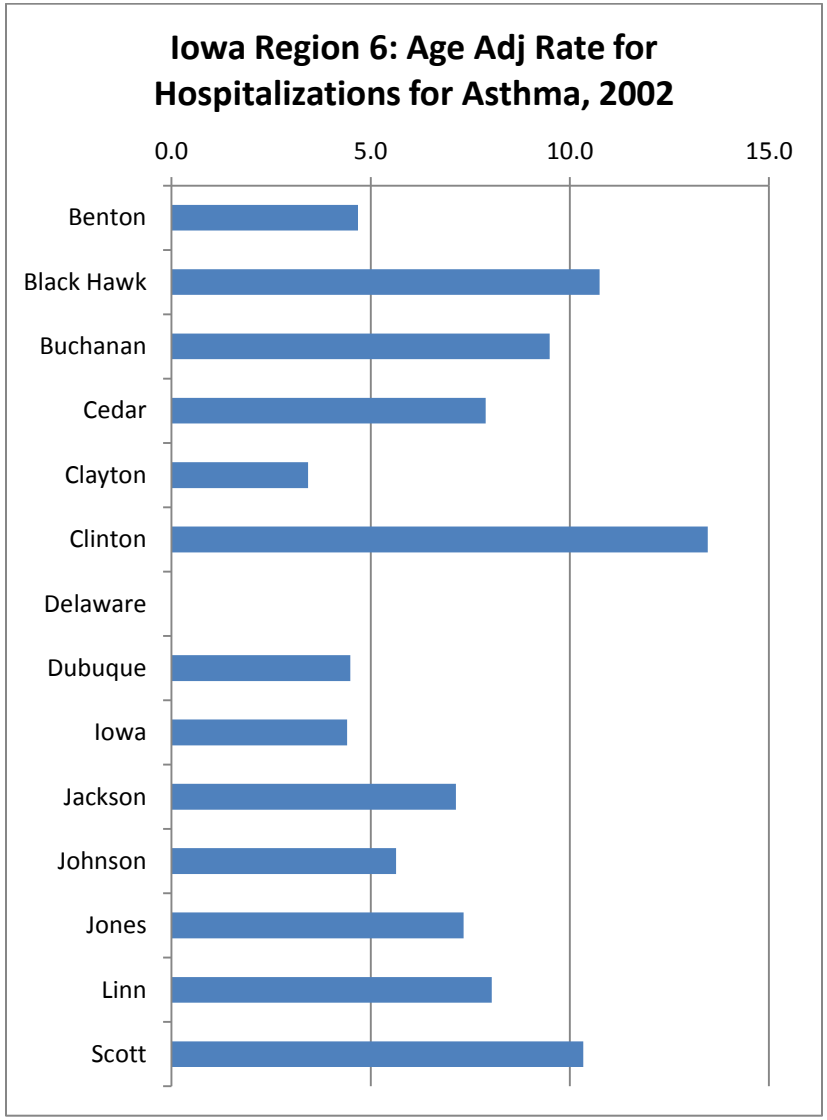
Region 6

Region 6: Incidence of Hospitalizations for Asthma, 2002			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Benton	13	5.0	4.7
Black Hawk	132	10.4	10.7
Buchanan	20	9.6	9.5
Cedar	15	8.3	7.9
Clayton	8	4.4	3.4
Clinton	66	13.3	13.5
Delaware	<5	Suppressed	Suppressed
Dubuque	42	4.7	4.5
Iowa	7	4.4	4.4
Jackson	16	8.0	7.1
Johnson	57	4.9	5.6
Jones	14	6.9	7.3
Linn	157	8.0	8.0
Scott	164	10.3	10.3
State of Iowa	2306	7.87	7.80



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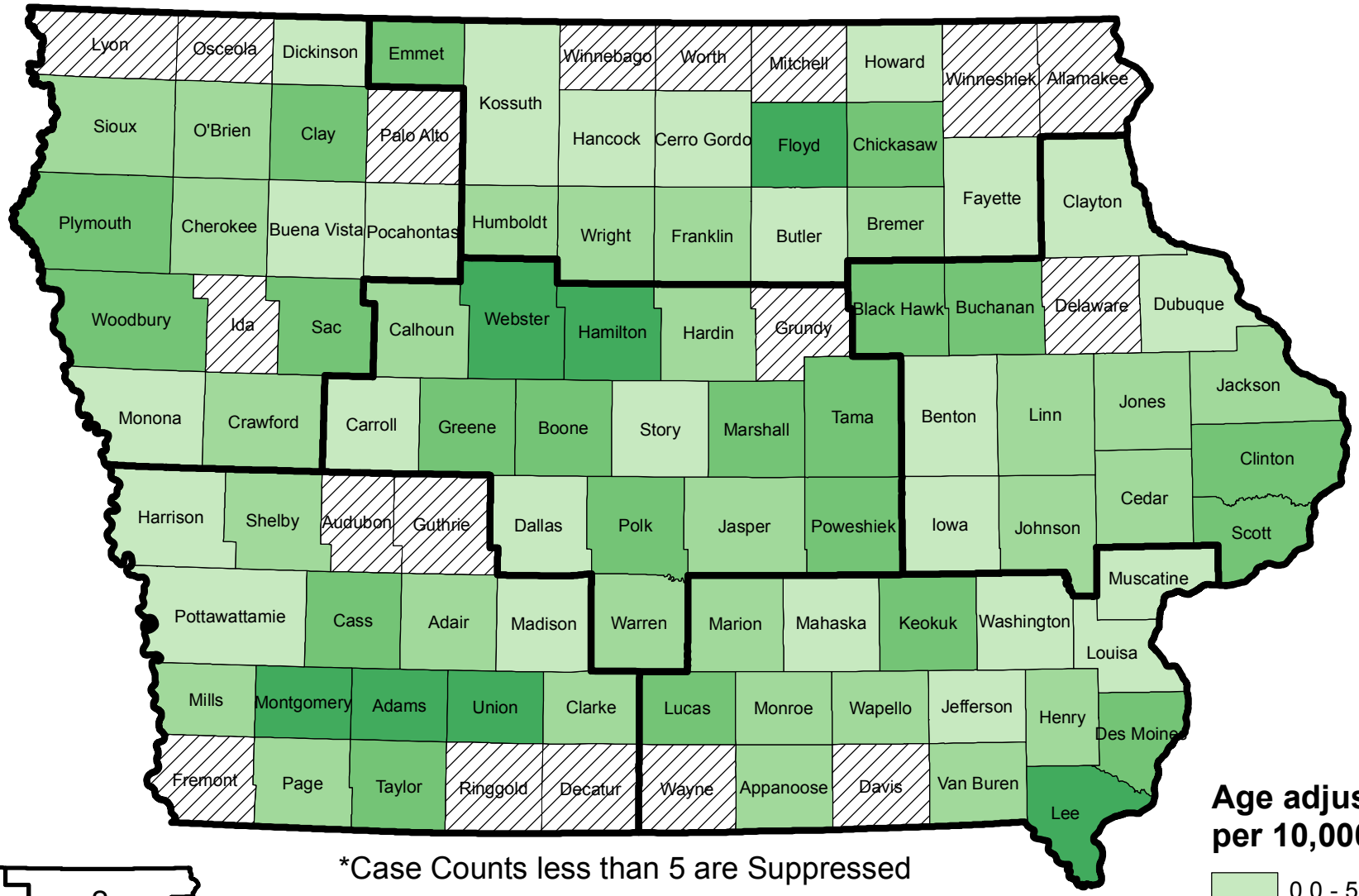
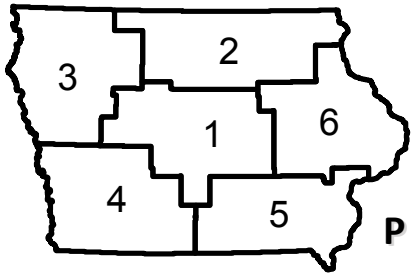
Incidence of Asthma Hospitalizations: 2002



*Case Counts less than 5 are Suppressed



Public Health Regions

Age adjusted rate per 10,000 population

- 0.0 - 5.5
- 5.6 - 8.2
- 8.3 - 13.5
- 13.6 - 22.3
- Suppressed