Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Asthma

County Level Hospitalizations Year 2006

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 2006:

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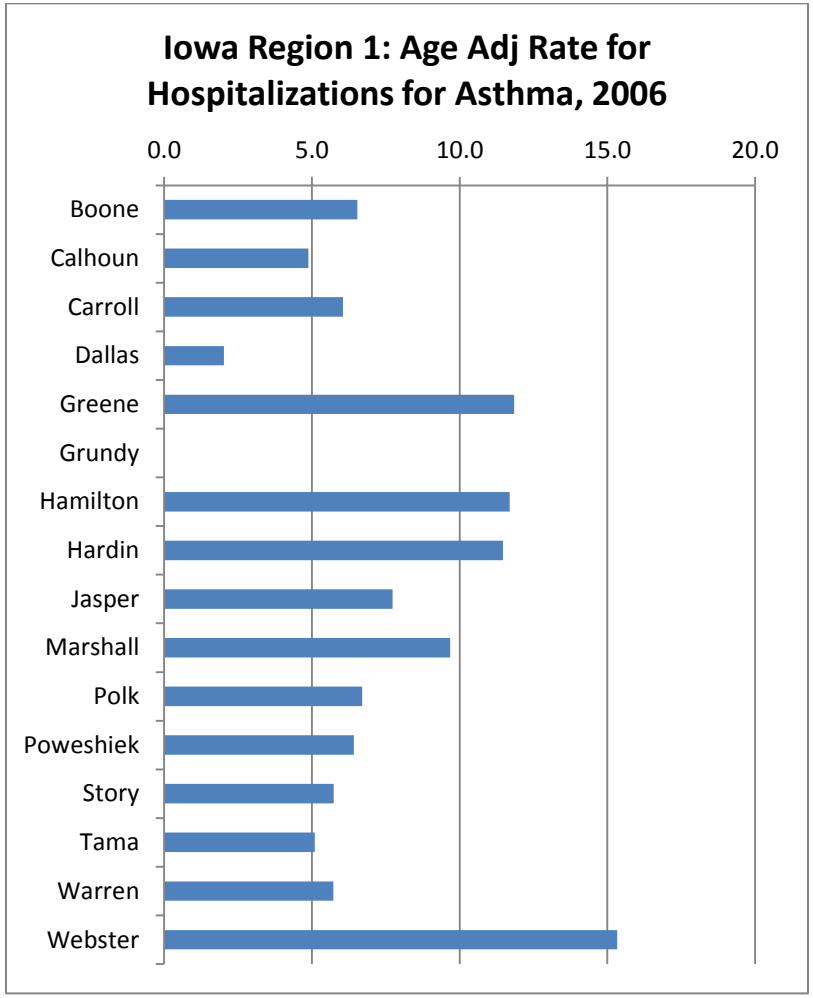
1. Annual case counts and Age-adjusted incidence rates for all ages for Hospitalizations for Asthma at the County level by Public Health Region.

Region 1

Region 1: Incidence of Hospitalizations for Asthma, 2006			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Boone	18	6.9	6.5
Calhoun	6	5.9	4.9
Carroll	14	6.7	6.0
Dallas	10	1.8	2.0
Greene	11	11.5	11.8
Grundy	<5	Suppressed	Suppressed
Hamilton	19	12.1	11.7
Hardin	22	12.5	11.5
Jasper	30	8.2	7.7
Marshall	40	10.3	9.7
Polk	269	6.6	6.7
Poweshiek	13	7.0	6.4
Story	40	4.8	5.7
Tama	10	5.6	5.1
Warren	25	5.7	5.7
Webster	63	16.3	15.3
State of Iowa	2082	7.02	6.90



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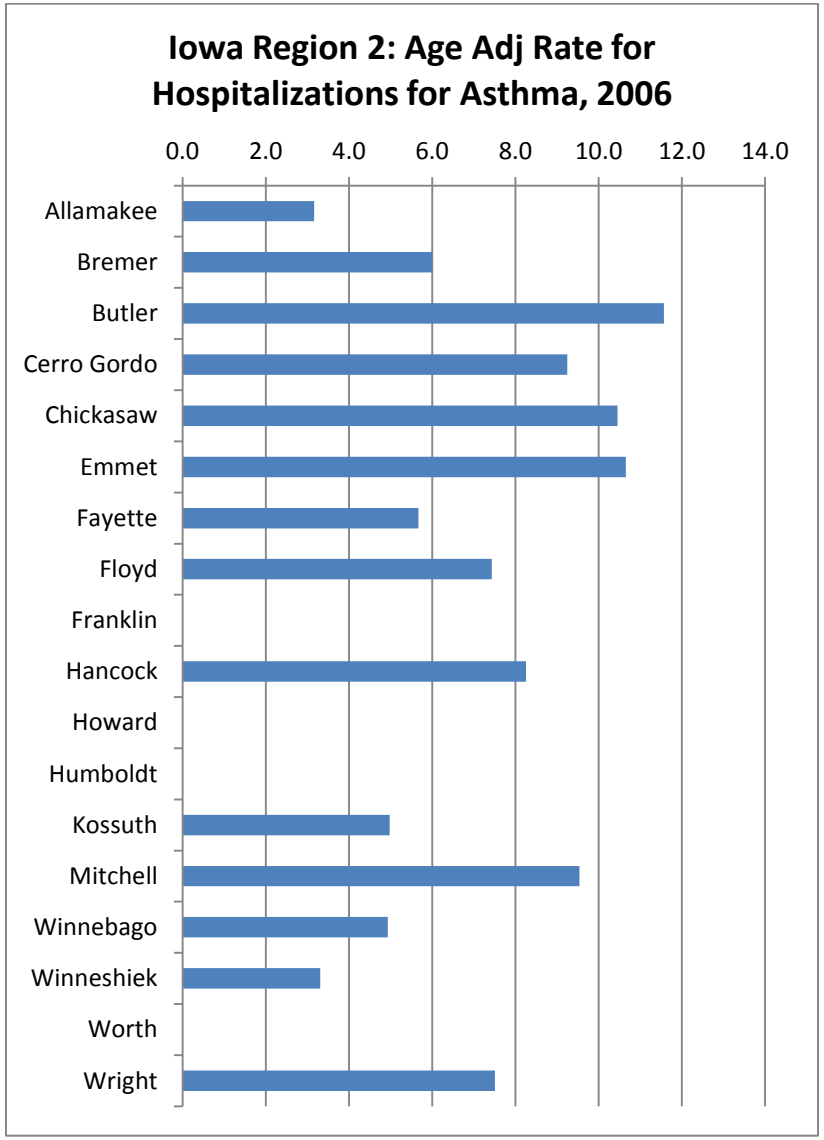
Region 2

Region 2: Incidence of Hospitalizations for Asthma, 2006			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Allamakee	5	3.5	3.2
Bremer	15	6.4	6.0
Butler	17	11.6	11.6
Cerro Gordo	42	9.5	9.2
Chickasaw	13	10.6	10.5
Emmet	12	11.6	10.7
Fayette	14	6.8	5.7
Floyd	12	7.3	7.4
Franklin	<5	Suppressed	Suppressed
Hancock	9	7.8	8.3
Howard	<5	Suppressed	Suppressed
Humboldt	<5	Suppressed	Suppressed
Kossuth	8	5.1	5.0
Mitchell	10	9.3	9.5
Winnebago	5	4.6	4.9
Winneshiek	8	3.8	3.3
Worth	<5	Suppressed	Suppressed
Wright	10	7.6	7.5
State of Iowa	2082	7.02	6.90



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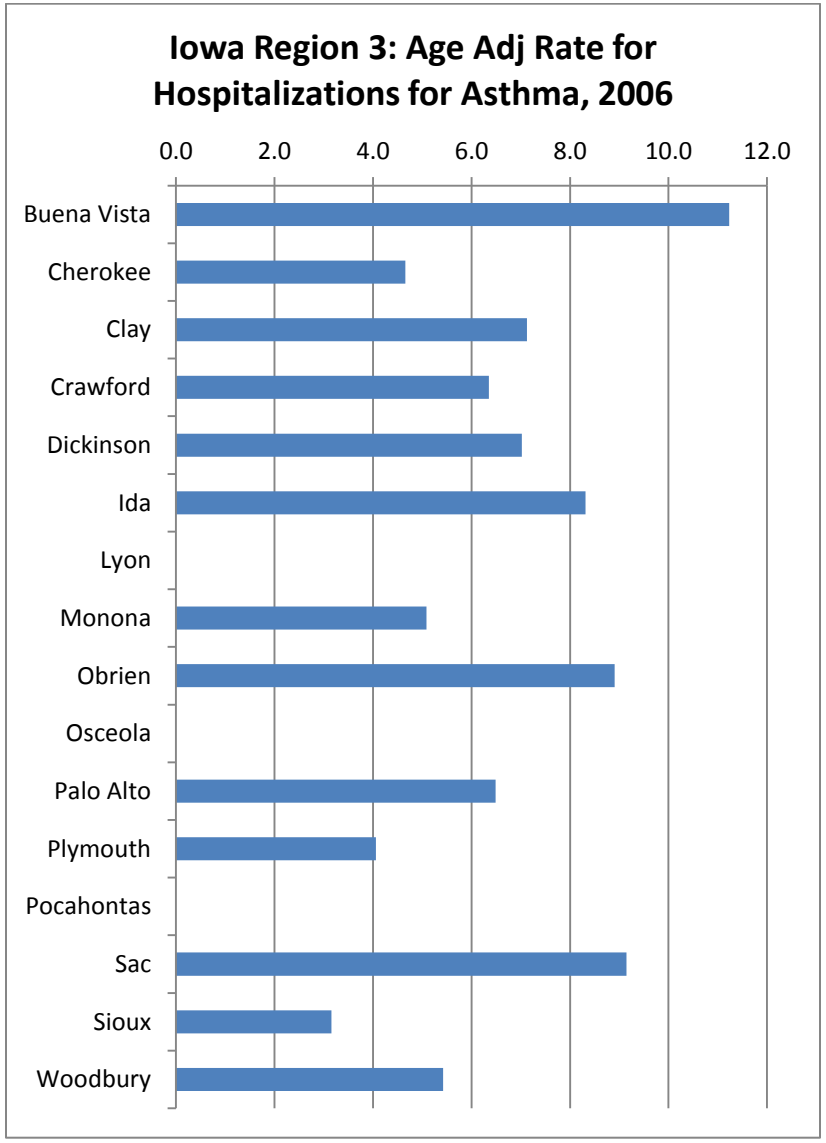
Region 3

Region 3: Incidence of Hospitalizations for Asthma, 2006			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Buena Vista	23	11.7	11.2
Cherokee	7	5.9	4.7
Clay	12	7.2	7.1
Crawford	13	7.9	6.3
Dickinson	14	8.4	7.0
Ida	5	7.1	8.3
Lyon	<5	Suppressed	Suppressed
Monona	5	5.4	5.1
Obrien	14	9.9	8.9
Osceola	0	0.0	0.0
Palo Alto	6	6.4	6.5
Plymouth	10	4.1	4.1
Pocahontas	<5	Suppressed	Suppressed
Sac	13	12.4	9.1
Sioux	11	3.4	3.2
Woodbury	55	5.4	5.4
State of Iowa	2082	7.02	6.90



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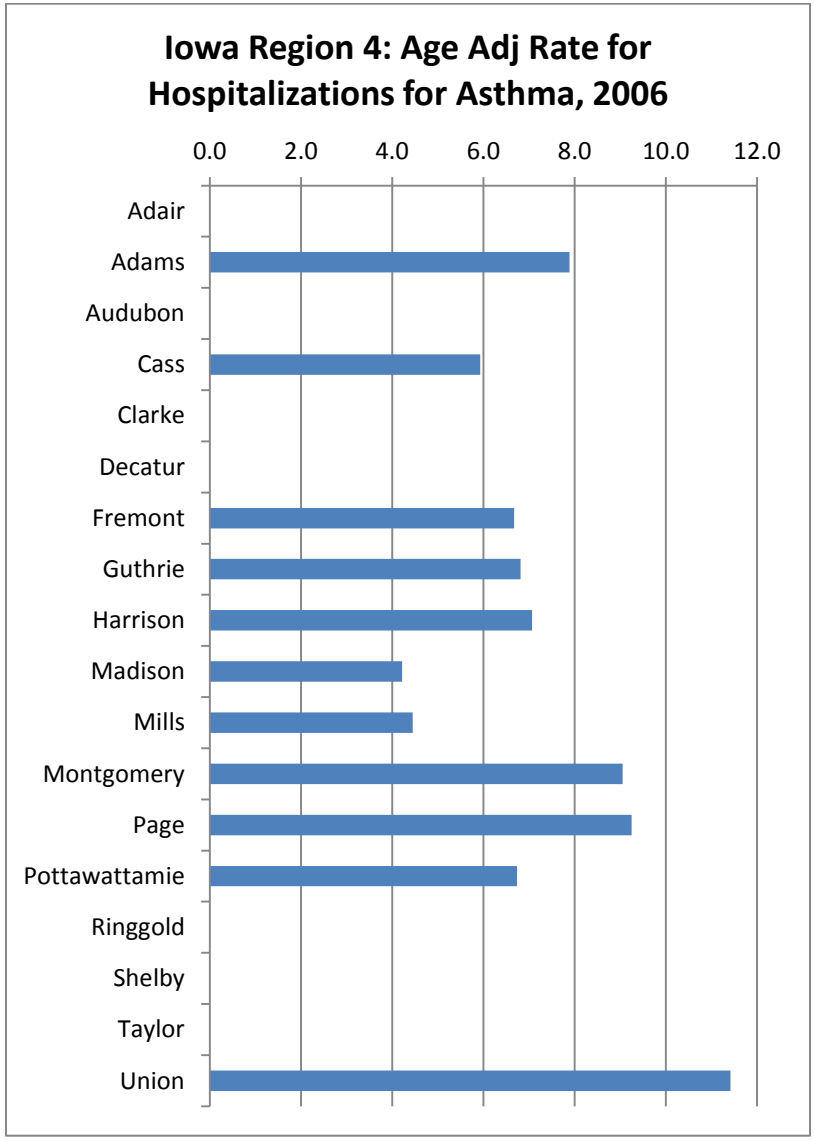
Region 4

Region 4: Incidence of Hospitalizations for Asthma, 2006			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Adair	<5	Suppressed	Suppressed
Adams	5	12.1	7.9
Audubon	<5	Suppressed	Suppressed
Cass	8	5.8	5.9
Clarke	<5	Suppressed	Suppressed
Decatur	<5	Suppressed	Suppressed
Fremont	5	6.6	6.7
Guthrie	8	7.2	6.8
Harrison	12	7.7	7.1
Madison	7	4.6	4.2
Mills	7	4.6	4.5
Montgomery	11	9.9	9.1
Page	17	10.6	9.2
Pottawattamie	61	6.8	6.7
Ringgold	<5	Suppressed	Suppressed
Shelby	<5	Suppressed	Suppressed
Taylor	<5	Suppressed	Suppressed
Union	13	10.8	11.4
State of Iowa	2082	7.02	6.90



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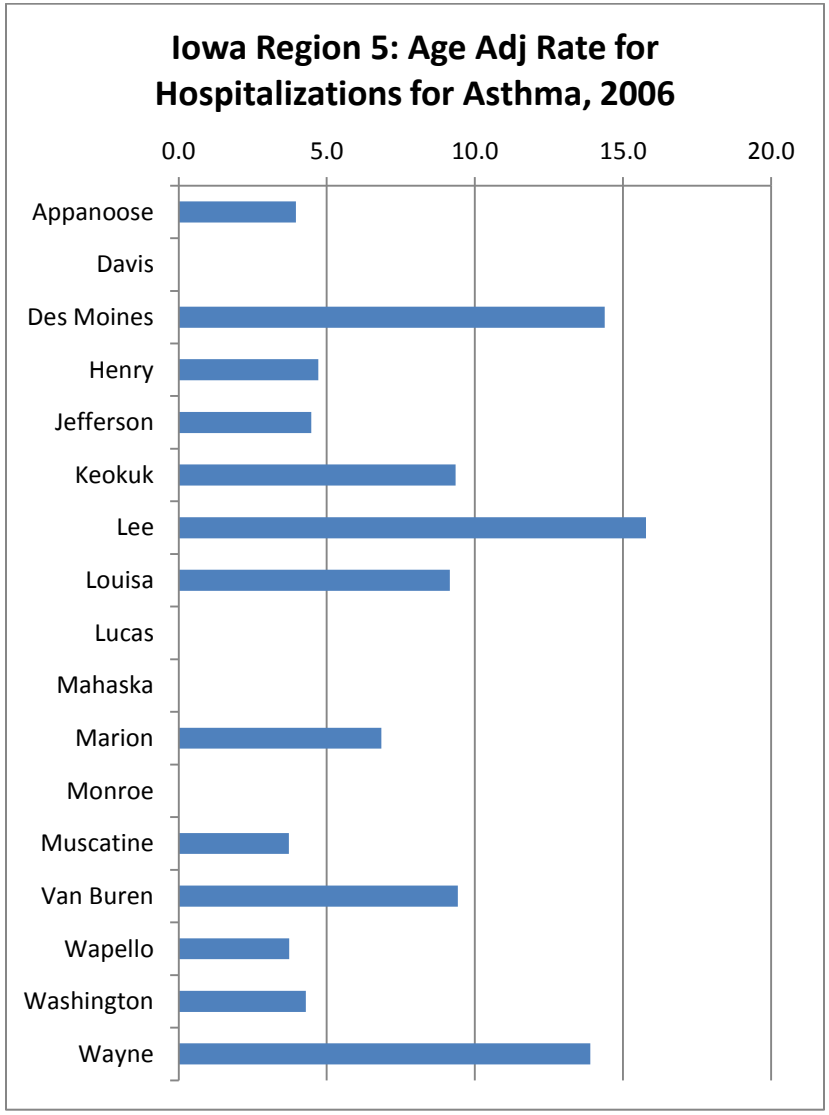
Region 5

Region 5: Incidence of Hospitalizations for Asthma, 2006			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Appanoose	5	3.8	4.0
Davis	<5	Suppressed	Suppressed
Des Moines	55	13.6	14.4
Henry	10	5.0	4.7
Jefferson	7	4.5	4.5
Keokuk	10	9.3	9.4
Lee	58	16.1	15.8
Louisa	11	9.3	9.2
Lucas	<5	Suppressed	Suppressed
Mahaska	<5	Suppressed	Suppressed
Marion	24	7.3	6.8
Monroe	<5	Suppressed	Suppressed
Muscatine	16	3.8	3.7
Van Buren	7	9.2	9.4
Wapello	13	3.6	3.7
Washington	10	4.7	4.3
Wayne	11	17.2	13.9
State of Iowa	2082	7.02	6.90



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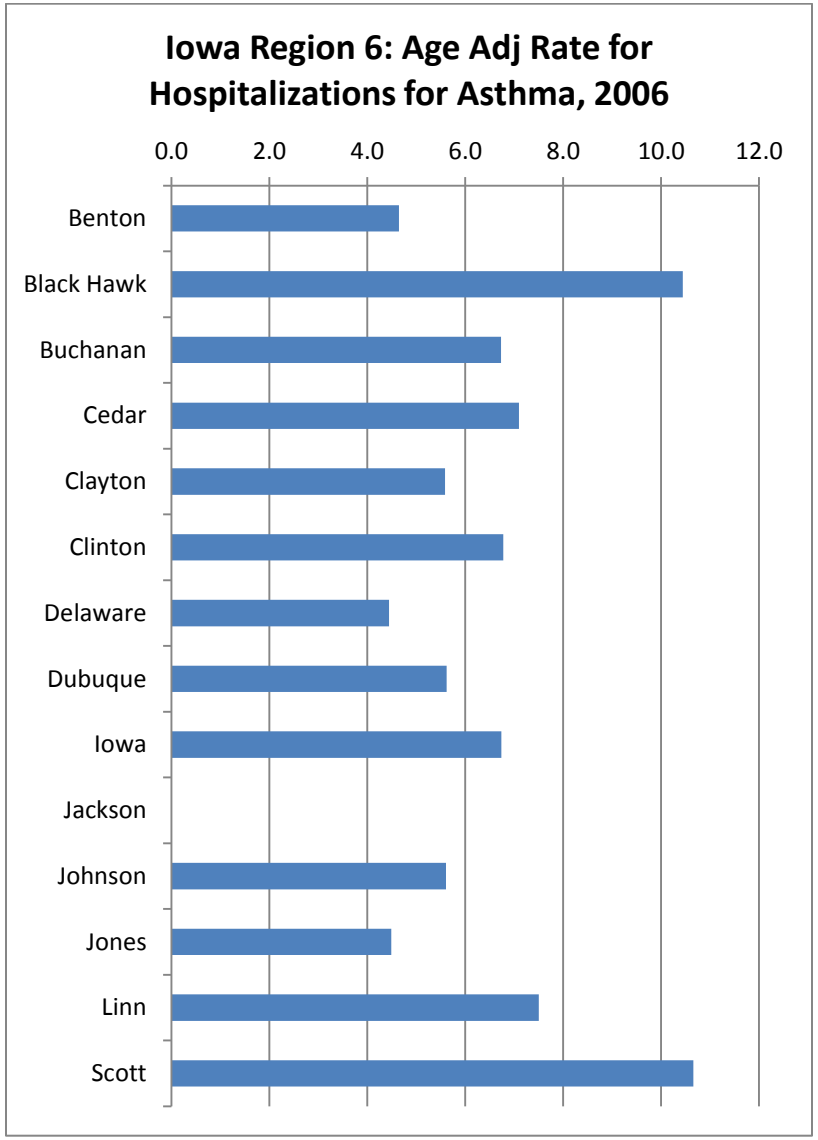
Region 6

Region 6: Incidence of Hospitalizations for Asthma, 2006			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Benton	13	4.9	4.6
Black Hawk	126	10.0	10.4
Buchanan	14	6.7	6.7
Cedar	13	7.2	7.1
Clayton	12	6.7	5.6
Clinton	33	6.7	6.8
Delaware	8	4.6	4.4
Dubuque	55	6.0	5.6
Iowa	11	6.9	6.7
Jackson	<5	Suppressed	Suppressed
Johnson	59	4.8	5.6
Jones	9	4.4	4.5
Linn	151	7.5	7.5
Scott	173	10.7	10.7
State of Iowa	2082	7.02	6.90



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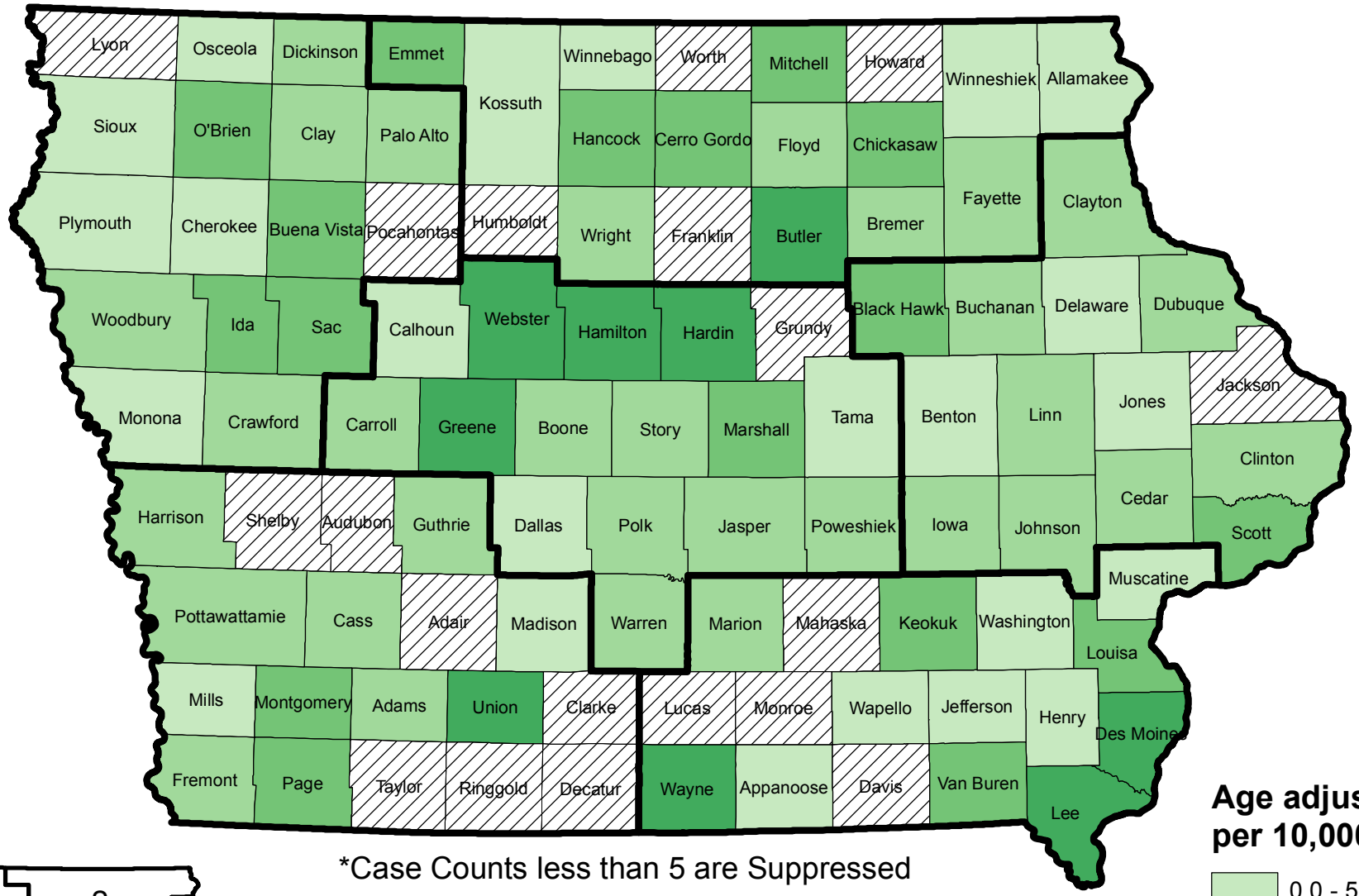
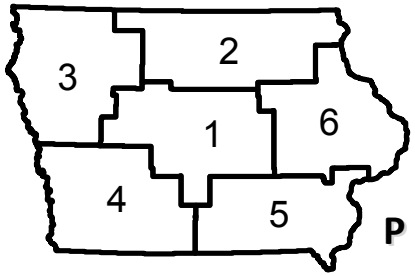
Incidence of Asthma Hospitalizations: 2006



*Case Counts less than 5 are Suppressed



Public Health Regions

Age adjusted rate per 10,000 population

- 0.0 - 5.1
- 5.2 - 7.9
- 8.0 - 11.2
- 11.3 - 15.8
- Suppressed