Iowa Environmental Public Health Tracking Network

Nationally Consistent Data Measures for Asthma

County Level Hospitalizations Year 2005

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 2005:

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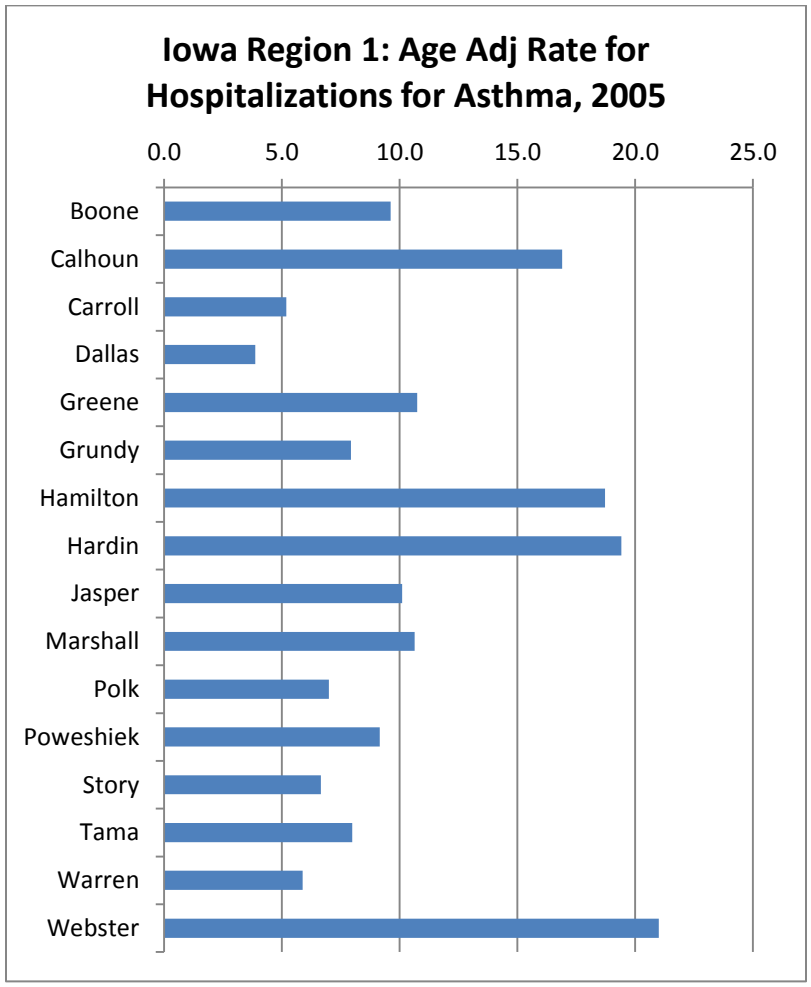
1. Annual case counts and Age-adjusted incidence rates for all ages for Hospitalizations for Asthma at the County level by Public Health Region.

Region 1

Region 1: Incidence of Hospitalizations for Asthma, 2005			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Boone	27	10.3	9.6
Calhoun	20	19.5	16.9
Carroll	10	4.8	5.2
Dallas	19	3.7	3.9
Greene	11	11.2	10.7
Grundy	8	6.5	7.9
Hamilton	33	20.7	18.7
Hardin	43	24.2	19.4
Jasper	38	10.3	10.1
Marshall	43	11.0	10.6
Polk	279	6.9	7.0
Poweshiek	18	9.7	9.2
Story	43	5.3	6.6
Tama	17	9.5	8.0
Warren	25	5.8	5.9
Webster	83	21.5	21.0
State of Iowa	2408	8.16	8.03



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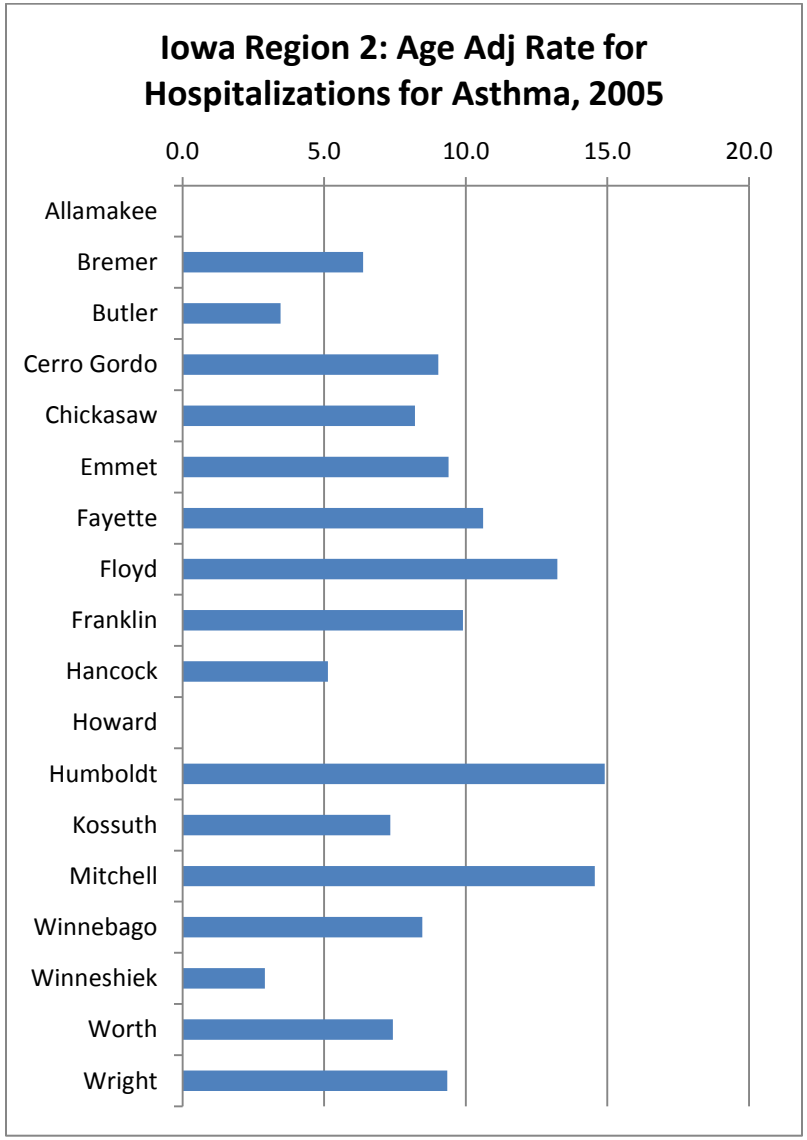
Region 2

Region 2: Incidence of Hospitalizations for Asthma, 2005			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Allamakee	<5	Suppressed	Suppressed
Bremer	14	6.0	6.4
Butler	7	4.8	3.5
Cerro Gordo	40	9.0	9.0
Chickasaw	10	8.2	8.2
Emmet	10	9.6	9.4
Fayette	22	10.5	10.6
Floyd	23	14.1	13.2
Franklin	12	11.3	9.9
Hancock	7	6.0	5.1
Howard	<5	Suppressed	Suppressed
Humboldt	17	17.3	14.9
Kossuth	11	6.9	7.3
Mitchell	14	13.0	14.6
Winnebago	8	7.2	8.5
Winneshiek	7	3.4	2.9
Worth	5	6.5	7.4
Wright	13	9.7	9.3
State of Iowa	2408	8.16	8.03



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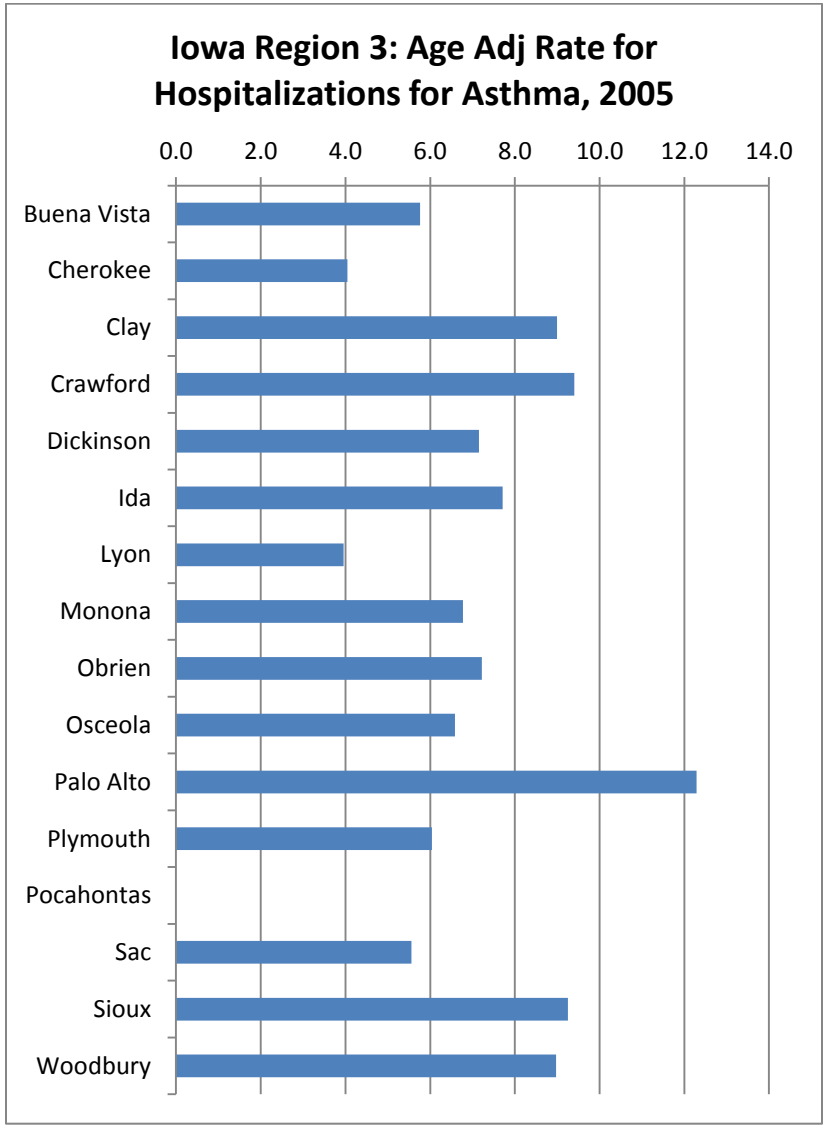
Region 3

Region 3: Incidence of Hospitalizations for Asthma, 2005			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Buena Vista	12	6.1	5.8
Cherokee	5	4.2	4.0
Clay	15	8.9	9.0
Crawford	17	10.2	9.4
Dickinson	11	6.6	7.2
Ida	6	8.4	7.7
Lyon	5	4.4	4.0
Monona	7	7.5	6.8
Obrien	11	7.7	7.2
Osceola	5	7.6	6.6
Palo Alto	13	13.6	12.3
Plymouth	16	6.5	6.0
Pocahontas	<5	Suppressed	Suppressed
Sac	7	6.6	5.6
Sioux	30	9.4	9.3
Woodbury	91	9.0	9.0
State of Iowa	2408	8.16	8.03



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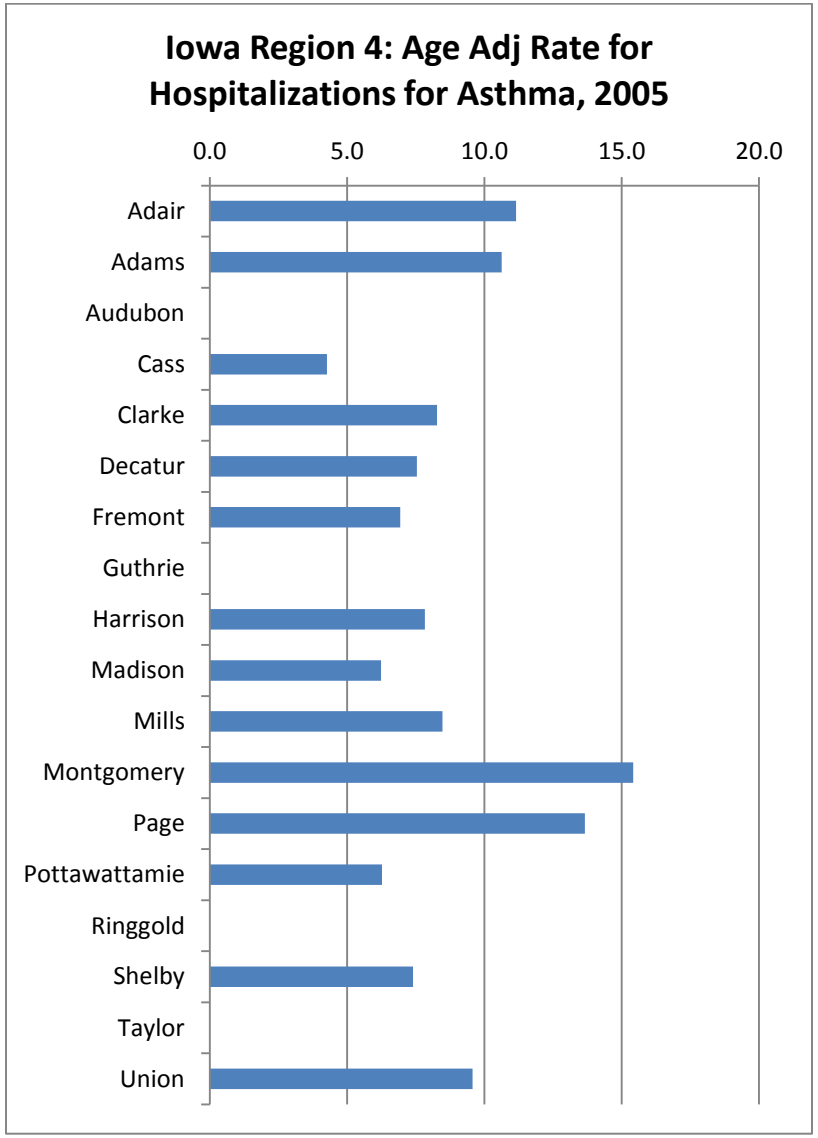
Region 4

Region 4: Incidence of Hospitalizations for Asthma, 2005			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Adair	7	9.1	11.2
Adams	6	14.4	10.6
Audubon	<5	Suppressed	Suppressed
Cass	7	5.0	4.3
Clarke	8	8.8	8.3
Decatur	6	7.1	7.5
Fremont	5	6.6	6.9
Guthrie	<5	Suppressed	Suppressed
Harrison	14	9.0	7.8
Madison	10	6.7	6.2
Mills	12	8.1	8.5
Montgomery	19	17.0	15.4
Page	24	15.0	13.7
Pottawattamie	56	6.3	6.3
Ringgold	<5	Suppressed	Suppressed
Shelby	8	6.4	7.4
Taylor	<5	Suppressed	Suppressed
Union	11	9.2	9.6
State of Iowa	2408	8.16	8.03



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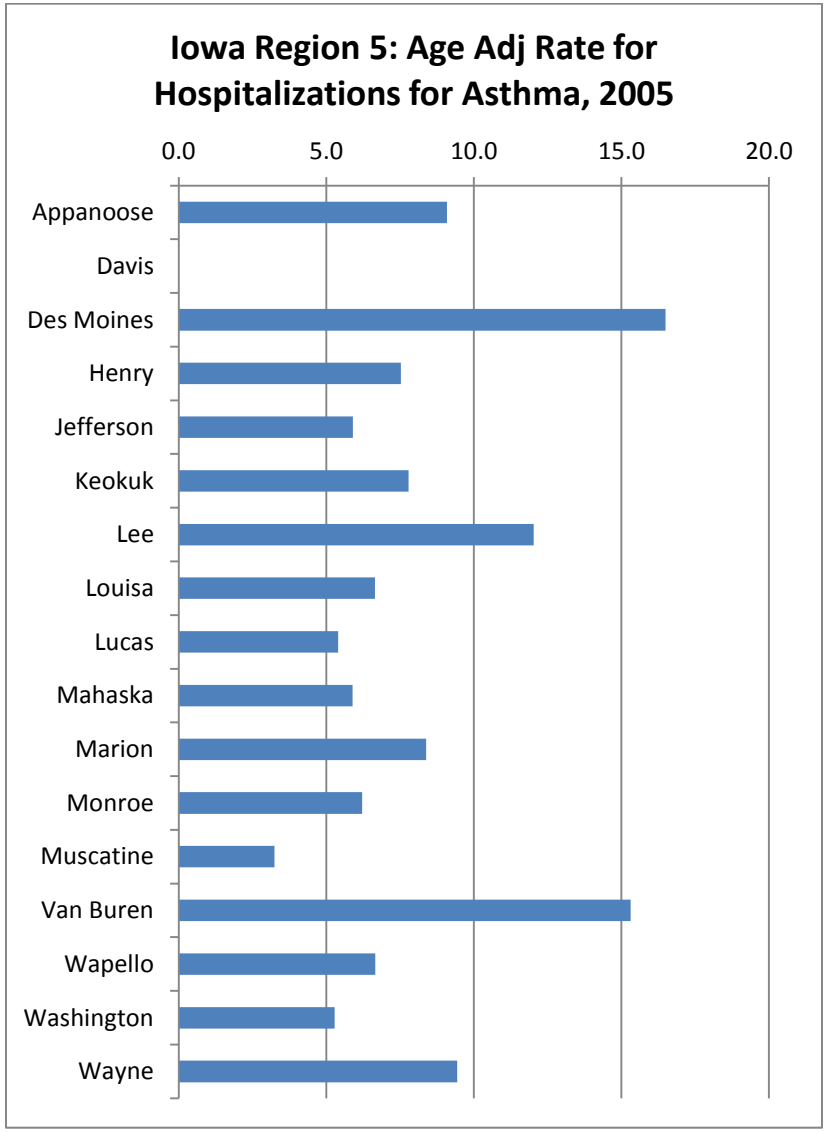
Region 5

Region 5: Incidence of Hospitalizations for Asthma, 2005			
County	**Cases**	**Crude Rate**	**Age Adj Rate per 10,000 population**
Appanoose	15	11.3	9.1
Davis	<5	Suppressed	Suppressed
Des Moines	67	16.5	16.5
Henry	15	7.4	7.5
Jefferson	10	6.4	5.9
Keokuk	8	7.3	7.8
Lee	48	13.3	12.0
Louisa	8	6.8	6.6
Lucas	5	5.2	5.4
Mahaska	13	5.9	5.9
Marion	29	9.0	8.4
Monroe	5	6.5	6.2
Muscatine	14	3.3	3.2
Van Buren	14	18.4	15.3
Wapello	26	7.3	6.7
Washington	11	5.2	5.3
Wayne	9	14.0	9.4
State of Iowa	2408	8.16	8.03



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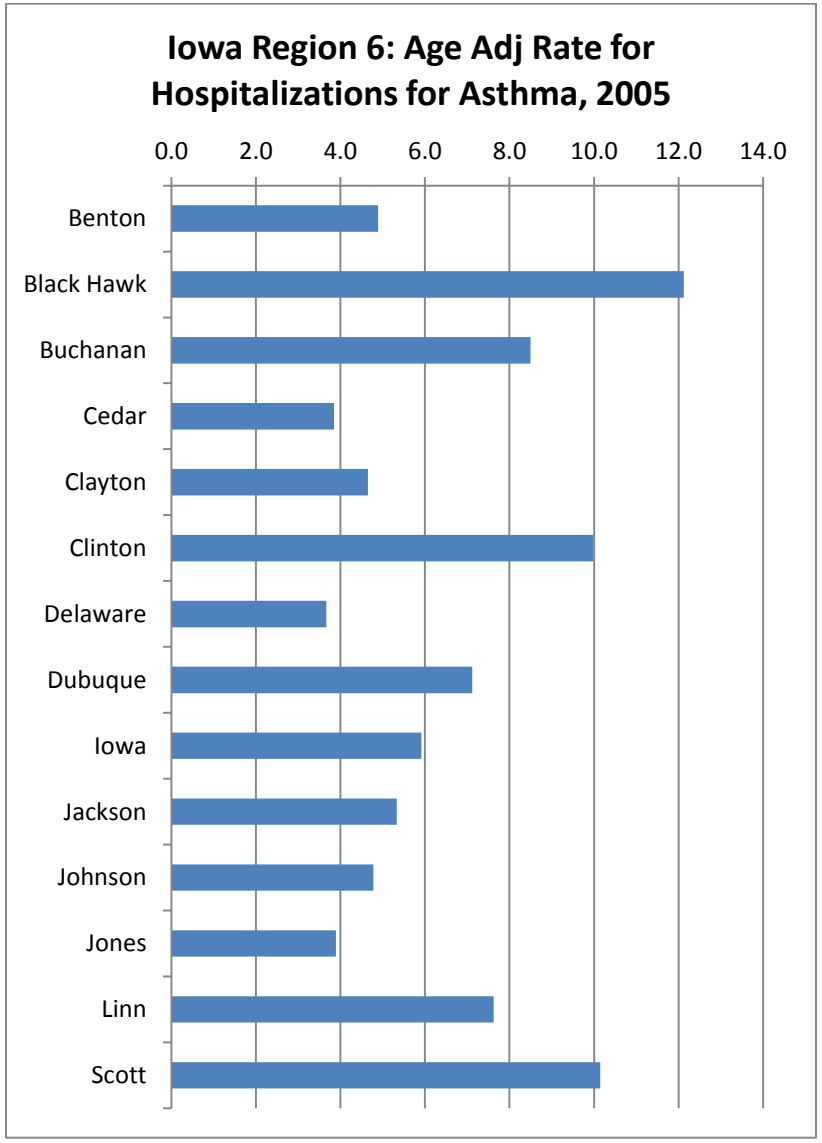
Region 6

Region 6: Incidence of Hospitalizations for Asthma, 2005			
County	Cases	Crude Rate	Age Adj Rate per 10,000 population
Benton	13	4.9	4.9
Black Hawk	147	11.6	12.1
Buchanan	17	8.2	8.5
Cedar	6	3.3	3.8
Clayton	10	5.6	4.6
Clinton	48	9.7	10.0
Delaware	7	4.0	3.7
Dubuque	68	7.5	7.1
Iowa	10	6.3	5.9
Jackson	11	5.5	5.3
Johnson	49	4.0	4.8
Jones	8	3.9	3.9
Linn	152	7.6	7.6
Scott	163	10.2	10.1
State of Iowa	2408	8.16	8.03



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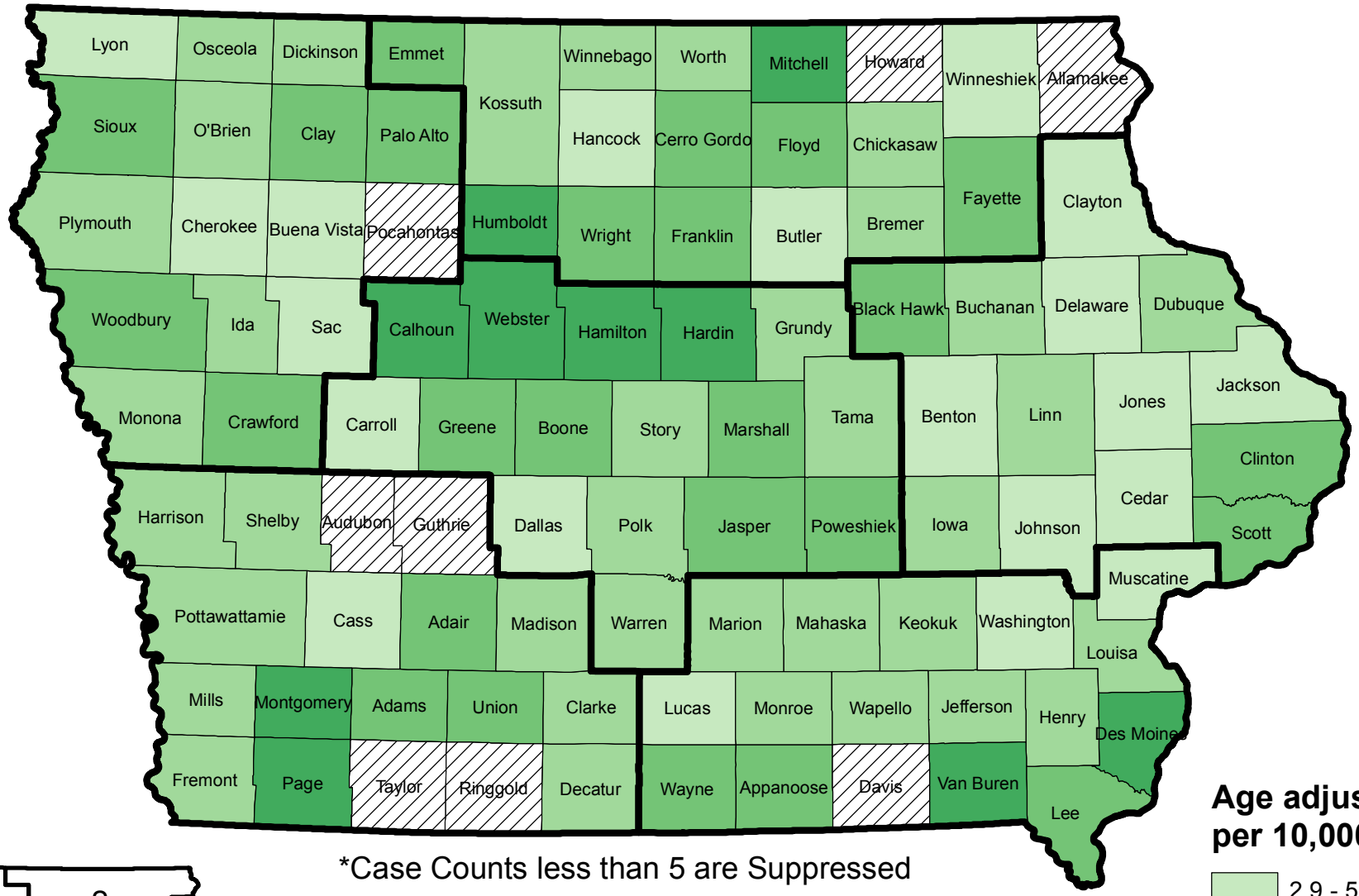
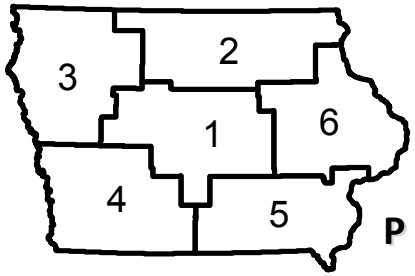
Incidence of Asthma Hospitalizations: 2005



*Case Counts less than 5 are Suppressed



Public Health Regions

Age adjusted rate per 10,000 population

- 2.9 - 5.8
- 5.9 - 8.5
- 8.6 - 13.2
- 13.3 - 21.0
- Suppressed