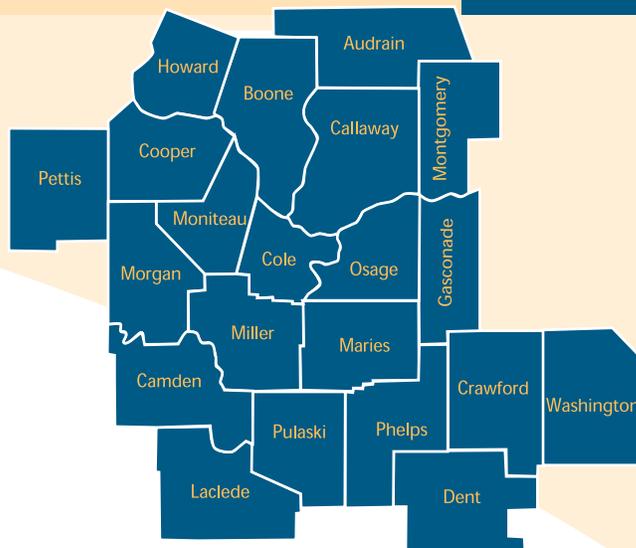


Central Region



Asthma Fact Sheet: 2003-2004

PREVALENCE

- Based on 2004 estimates, approximately 40,000 adults and 8,000 children under 18 in the central region are currently living with asthma
- Current asthma prevalence among adults living in the central region was 6.9%, compared to 9.1% for all adults in Missouri*
- Current asthma prevalence among children was 4.6%, compared to 8.0% for all children living in Missouri**

ASTHMA EMERGENCY DEPARTMENT VISITS

There were 2,629 emergency department (ED) visits in the central region in 2003

- The age-adjusted asthma ED visit rate was 3.9 per 1,000 persons, which was lower than the state rate (5.6 per 1,000)**
- See table at right for ED visit rates by county
- Children accounted for 37.2% of all asthma ED visits in this region compared to 45.0% for the state as a whole
- African Americans made up only 5.3% of the region's population, but accounted for 15.3% of all asthma ED visits
- ED visit rates were higher among females than males**

ASTHMA HOSPITALIZATIONS

There were 646 hospitalizations in the central region in 2003

- The age-adjusted asthma hospitalization rate was 9.7 per 10,000, which was lower than the state rate (13.9 per 10,000)**
- Children accounted for 31.4% of all asthma hospitalizations in this region compared to 36.7% for the state as a whole
- African Americans made up only 5.3% of the region's population, but accounted for 9.8% of all asthma hospitalizations
- Asthma led to 2,210 days of hospital care
- Charges totaled nearly \$5 million for asthma hospitalizations

*Differences were not statistically significant

**Differences were statistically significant

Note: Emergency department and hospitalization rates have been age adjusted based on the US 2000 standard population; county and regional data are reported by patient residence.

DATA SOURCES

PREVALENCE DATA: Missouri Department of Health and Senior Services. Missouri Behavioral Risk Factor Surveillance System, 2004.

ED AND HOSPITALIZATION DATA: Missouri Department of Health and Senior Services — Bureau of Health Informatics. Missouri Information for Community Assessment (MICA). Accessed August 1, 2005. <http://www.health.state.mo.us/MICA>

POPULATION DATA: Missouri Census Data Center. 2003 Population Estimates for Missouri and the United States. <http://mcdc2.missouri.edu/trends/estimates.shtml>

AGE-ADJUSTED ASTHMA EMERGENCY DEPARTMENT VISIT RATES BY COUNTY, CENTRAL MISSOURI 2003

COUNTY	RATE PER 1,000
Audrain	5.7
Boone	4.2
Callaway	5.0
Camden	4.7
Cole	3.4
Cooper	4.3
Crawford	3.6
Dent	6.6
Gasconade	2.3
Howard	3.4
Laclède	3.7
Maries	NC
Miller	4.0
Moniteau	2.4
Montgomery	3.9
Morgan	3.0
Osage	NC
Pettis	5.3
Phelps	3.2
Pulaski	1.6
Washington	8.7‡
Region	3.9
State	5.6

NC = Sample size was not sufficient for rate calculation
‡ = Statistically significantly higher than the state ED rate