St. Louis Metro Region

Asthma Fact Sheet: 2003-2004

Prevalence

- Based on 2004 estimates, approximately 140,000 adults and over 45,000 children under 18 in the St. Louis Metro region are currently living with asthma
- Current asthma prevalence among adults living in the St. Louis region was 9.2%, compared to 9.1% for adults in the entire state*
- Current asthma prevalence among children was 9.1% in the St. Louis region, compared to 8.0% for all children in Missouri**

Asthma Emergency Department Visits

There were 13,077 asthma emergency department (ED) visits in the St. Louis Metro region in 2003

- The age-adjusted asthma ED visit rate was 6.6 per 1,000 persons, which was higher than the state rate (5.6 per 1,000)**
- See table at right for county and city ED rates
- Children accounted for 54.0% of all asthma ED visits in this region, compared to 45.0% for the state as a whole
- African Americans made up 19.5% of the region's population, but accounted for 59.7% of all asthma ED visits
- ED rates were higher among females than males*

Asthma Hospitalization Rates

There were 3,109 asthma hospitalizations in the St. Louis Metro region in 2003

- The age-adjusted asthma hospitalization rate was 15.4 per 10,000, which was higher than the state rate (13.9 per 10,000)**
- See table for county and city hospitalization rates
- Children accounted for 42.1% of all asthma hospitalizations in this region, compared to 36.7% for the state as a whole
- African Americans made up only 19.5% of the region's population, but accounted for 54.2% of all asthma hospitalizations
- Asthma led to 8,570 days of hospital care
- Charges totaled $25.9 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 and Hospitalization Rates by County or City, St. Louis Metro, Missouri 2003

	County/City ED Rate per 1,000	Hospitalization Rate per 10,000
Franklin	3.2	7.7
Jefferson	4.1	10.5
Lincoln	4.7	5.5
St. Charles	3.6	7.9
St. Louis	6.2‡	14.2
St. Louis City	13.6‡	33.2‡
Warren	4.3	14.6
Region	***6.6‡***	***15.4‡***
State	***5.6***	***13.9***

‡= Statistically significantly higher than the state rate

13,077 Asthma emergency department visits in the St. Louis metro region