

Childhood Asthma

Tennessee FastStats

Asthma Prevalence¹

Number of children aged 0-17 yrs. who have asthma		137,242
Percent of children aged 0-17 yrs. who have asthma		9.5%
By Gender:	Boys	10.7%
	Girls	8.2%
By Race:	Black Non-Hispanic	16.1%
	White Non-Hispanic	7.6%
By Age Group:	0-5 years	6.3%
	6-11 years	10.6%
	12-17 years	11.4%
By Percent of Federal Poverty Level:	0-99%	12.4%
	100-199%	11.0%
	200-399%	8.2%
	≥400%	6.6%

Inpatient Hospitalizations for Asthma²

Number of discharges among 1-17 yr. olds with asthma as first-listed diagnosis		1,855
Hospitalization rate among 1-17 yr. olds for asthma as first-listed diagnosis (<i>per 100,000</i>)		135
By Gender:	Boys	160
	Girls	108
By Race:	Black	286
	White	86
By Age Group:	1-4 years	269
	5-10 years	141
	11-17 years	54
Trend in hospitalization rate for asthma as first-listed diagnosis from 2001-2010 ³		37% ↓

Emergency Department Visits for Asthma²

Number of ED visits among 1-17 yr. olds with asthma as first-listed diagnosis		14,225
ED visit rate among 1-17 yr. olds for asthma as first-listed diagnosis (<i>per 100,000</i>)		1,032
By Gender:	Boys	1,232
	Girls	821
By Race:	Black	2,481
	White	580
By Age Group:	1-4 years	1,699
	5-10 years	1,083
	11-17 years	616
Trend in ED visit rate for asthma as first-listed diagnosis from 2001-2010 ³		none

Childhood Asthma FastStats *cont.*

Hospital Charges for Asthma²

Total in and outpatient charges for asthma as first-listed diagnosis among 1-17 yr. olds	\$41.4M
By Payer:	
Government Insurance (inc. TennCare)	\$27.8M
Other Insurance	\$11.3M
Self-Pay	\$0.9M
Other/Unknown	\$1.4M
Average per visit inpatient charges for asthma among 1-17 yr. olds	\$11,362
Average per visit outpatient charges for asthma among 1-17 yr. olds	\$1,679

Asthma Mortality⁴

Number of deaths due to an underlying diagnosis of asthma among 1-17 yr. olds	5
Mortality rate due to an underlying diagnosis of asthma among 1-17 yr. olds (<i>per 1,000,000</i>)	3.3

Regional Childhood Asthma Data²

<i>Region</i>	<i>Inpatient Hospitalization Rate (per 100,000)</i>	<i>ED Visit Rate (per 100,000)</i>
Davidson	95	774
East	115	921
Hamilton	52	1,060
Knox	142	1,316
Madison	136	1,271
Mid-Cumberland	78	562
Northeast	126	824
Northwest	130	779
Shelby	255	2,018
South Central	152	743
Southeast	79	650
Southwest	173	1,193
Sullivan	146	868
Upper-Cumberland	116	648

¹ Data Source: National Survey of Children's Health. NSCH 2007. Data query from the Child and Adolescent Health Measurement Initiative, Data Resource Center for Child and Adolescent Health website (www.childhealthdata.org). Prevalence estimates are for 2007.

² Data Source: Tennessee Department of Health; Division of Health Statistics; Hospital Discharge Data System. Except for trend and charges data, all inpatient hospitalization and ED visit data are 2006-2010 annual averages. Trend data are for 2001-2010; charges data are for 2010 only.

³ Inpatient hospitalizations decreased from 170 to 107/100,000 (37% decrease); There was not a statistically significant trend in ED visits.

⁴ Data Source: Tennessee Department of Health; Division of Health Statistics; Death Statistical System. Mortality data are 2006-2010 annual averages.