



# Asthma

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## Healthcare Use Data 2017

Emergency Department Visits

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**Table A: Number and rate of emergency department (ED) visits with asthma as the first-listed diagnosis per 10,000 population, by selected patient characteristics: United States, 2017**

Characteristics	Weighted No. of Visits	SE (Weighted No.)	Rate*	SE* (Rate)
<b>Total</b>	1,583,190	69,247	48.6	2.13
Child (Aged 0–17 years) <sup>†</sup>	592,015	38,160	80.4	5.18
Adult (Aged 18+ years) <sup>§</sup>	991,142	40,519	39.3	1.61
<b>Sex<sup>¶</sup></b>				
Male	731,841	33,462	45.6	2.09
Boys (Age <18 years)	361,731	23,416	96.1	6.22
Men (Age 18+ years)	370,109	14,970	30.1	1.22
Female	851,301	36,532	51.5	2.21
Girls (Age <18 years)	230,284	14,817	63.9	4.11
Women (Age 18+ years)	621,017	25,949	48.0	2.01
<b>Race, not considering ethnicity</b>				
White	—**	—**	—**	—**
Children (Age <18 years)	—**	—**	—**	—**
Adults (Age 18+ years)	—**	—**	—**	—**
Black	—**	—**	—**	—**
Children (Age <18 years)	—**	—**	—**	—**
Adults (Age 18+ years)	—**	—**	—**	—**

Characteristics	Weighted No. of Visits	SE (Weighted No.)	Rate*	SE* (Rate)
Other**	—**	—**	—**	—**
Children (Age <18 years)	—**	—**	—**	—**
Adults (Age 18+ years)	—**	—**	—**	—**
<b>Ethnicity</b>				
Hispanic	—**	—**	—**	—**
Children (Age <18 years)	—**	—**	—**	—**
Adults (Age 18+ years)	—**	—**	—**	—**
Non-Hispanic				
Children (Age <18 years)	—**	—**	—**	—**
Adults (Age 18+ years)	—**	—**	—**	—**
<b>Age Group</b>				
0-4 years	200,646	15,279	100.6	7.66
5-17 years	391,369	23,283	72.9	4.33
18-34 years	404,577	15,817	53.3	2.08
35-64 years	484,710	20,841	38.7	1.66
65+ years	101,856	4,784	20.0	0.94
<b>U.S. Census Region<sup>††</sup></b>				
Northeast	375,799	50,315	66.5	8.91
Midwest	328,985	22,059	48.3	3.24
South	579,773	37,555	46.9	3.04
West	298,633	19,148	38.6	2.47
<b>MSA Status<sup>§§</sup></b>				
MSA <sup>¶¶</sup>	1,390,116	68,174	49.8	2.44
Non-MSA***	187,756	7,318	40.6	1.58

Abbreviations: MSA, Metropolitan Statistical Area; SE, standard error.

\*Crude rate per 10,000 and SE, standard error.

<sup>†</sup>Rate of child ED visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the resident population for children aged 0-17 years per 10,000.

<sup>§</sup>Rate of adult ED visits calculated using the weighted number of visits for adults aged 18+ years divided by the resident

population for adults aged 18+ years per 10,000.

<sup>¶</sup>Sex of patient categories include male and female as in the medical record.

<sup>\*\*</sup>Data on race and ethnicity was not available in the database.

<sup>†</sup>Based on actual location of the hospital.

<sup>§§</sup>Based on location of patient's residence.

<sup>¶¶</sup>Rate of MSA ED visits was calculated by combining the weighted number of visits for large central metro, large fringe metro (suburbs), and medium and small metro categories and dividing it by the resident population for MSA per 10,000.

<sup>\*\*\*</sup>Rate of Non-MSA ED visits was calculated using the weighted number of visits for the micropolitan and noncore (rural) category and dividing it by the resident population for non-MSA per 10,000.

SOURCE: HCUP, Healthcare Cost and Utilization Project, National (Nationwide) Emergency Department Sample (NEDS). Agency for Healthcare Research and Quality, Rockville, MD. For more information about HCUP data see <https://www.hcup-us.ahrq.gov/db/nation/neds/nedsdbdocumentation.jsp>.

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