

Asthma-related Healthcare Use

Asthma Emergency Department (ED) visits, 2010–2019 NHAMCS

Emergency Department Visits, 2019 NHAMCS

Table A1: 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, 2019

Characteristics	Weighted No. of Visits	SE (Weighted No.)	Rate* (SE)
Total	1,835,901	246,231	56.8 (7.6)
Child (aged 0–17 years)†	790,478	185,430	108.4 (25.4)
Adult (aged 18+ years)§	1,045,423	144,206	41.8 (5.8)
Sex¶			
Male	886,632	135,415	56.1 (8.6)
Female	949,269	136,339	57.5 (8.3)
Race, not considering ethnicity			
White	1,066,918	187,385	43.2 (7.6)
Black	704,102	127,693	164.8 (29.9)
Other**	64,880	26,467	—††
Ethnicity			
Hispanic or Latino	533,572	156,797	89.1 (26.2)
Not Hispanic or Latino	1,302,329	162,330	49.5 (6.2)
Age Group			
0–4 years	259,439	82,713	—††
5–17 years	531,039	130,894	99.6 (24.5)
18–34 years	534,069	90,397	72.1 (12.2)
35–64 years	473,381	102,165	38.4 (8.3)
65+ years	37,973	13,509	—††
U.S. Census Region§§			
Northeast	399,387	112,139	72.3 (20.3)
Midwest	326,751	71,860	48.5 (10.7)
South	766,387	187,727	62.1 (15.2)
West	343,376	87,460	44.5 (11.3)
MSA Status§§			
MSA	1,695,160	252,920	61.1 (9.1)
Non-MSA	140,741	52,891	—††

Abbreviations: MSA, Metropolitan Statistical Area based on actual location of hospital; SE, standard error.

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

†Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0–17 years and dividing it by the civilian non-institutionalized population for children aged 0–17 years per 10,000.

§Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

¶Sex includes male and female, the only categories available on the Patient Record Form.

**Other race includes Asian, Native Hawaiian/ Other Pacific Islander, American Indian/ Alaska Native, and more than one race categories.

††Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

§§Based on actual location of the hospital.

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

https://www.cdc.gov/nchs/ahcd/about_ahcd.htm

Table A2: Emergency department (ED) visits with asthma as the primary diagnosis* per 10,000 population, by selected patient characteristics: United States, 2017–2019

Characteristics	Total				Children [†] (aged 0-17 years)				Adults [§] (aged 18+ years)			
	Weighted No. of Visits	SE (Weighted No. of Visits)	Rate [¶]	SE (Rate)	Weighted No. of Visits	SE (Weighted No. of Visits)	Rate [¶]	SE (Rate)	Weighted No. of Visits	SE (Weighted No. of Visits)	Rate [¶]	Rate (SE)
Total	1,676,603	126,594	52.2	3.94	728,266	94,896	99.5	12.97	948,337	77,691	38.2	3.14
Sex**												
Female	817,567	83,278	52.0	5.30	466,700	71,944	124.9	19.23	350,867	41,769	29.3	3.49
Male	859,036	69,608	52.3	4.24	261,566	393,769	73.0	11.08	597,470	53,386	46.6	4.15
Race & Ethnicity												
White, NH	582,390	56,650	29.9	2.91	172,099	34,270	46.6	9.27	410,291	44,650	26.0	2.83
Black, NH	671,568	70,060	167.2	17.53	335,800	51,275	335.7	51.12	335,768	441,095	111.5	14.78
Other, NH^{††}	50,221	13,079	18.3	4.76	12,808	— ^{§§}	— ^{§§}	— ^{§§}	37,412	11,253	19.0	5.68
Hispanic	372,425	63,623	63.1	10.74	207,559	53,873	111.6	28.89	164,866	32,905	40.8	8.19

Abbreviations: SE, standard error; NH, non-Hispanic.

*Asthma as the primary diagnosis (ICD-10-CM Codes: J45).

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0–17 years and dividing it by the civilian non-institutionalized population for children aged 0–17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Crude rate per 10,000 population and SE, standard error.

**Sex includes male and female, the only categories available on the Patient Record Form.

^{††}Other race includes Asian, Native Hawaiian/ Other Pacific Islander, American Indian/ Alaska Native, and more than one race categories.

^{§§}Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS). https://www.cdc.gov/nchs/ahcd/about_ahcd.htm

Emergency Department Visits, 2018 NHAMCS

Table A1: 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, 2018

Characteristics	Weighted No. of Visits	SE (Weighted No.)	Rate* (SE)
Total	1,629,469	196,749	50.6 (6.1)
Child (aged 0–17 years) [†]	767,395	168,494	104.7 (23.0)
Adult (aged 18+ years) [§]	862,074	107,813	34.6 (4.3)
Sex			
Male	801,177	162,222	50.9 (10.3)
Female	828,292	107,660	50.3 (6.5)
Race, not considering ethnicity			
White	874,302	125,391	35.4 (5.1)
Black	699,195	107,618	164.7 (25.3)
Other [¶]	55,973	21,999	—
Ethnicity			
Hispanic or Latino	335,358	65,851	56.6 (11.1)
Not Hispanic or Latino	1,294,111	178,553	49.2 (6.8)
Age Group			
0–4 years	252,927	73,571	127.7 (37.1)
5–17 years	514,469	110,413	96.2 (20.7)
18–34 years	353,949	56,489	47.8 (7.6)
35–64 years	433,560	68,412	35.1 (5.5)
65+ years [¶]	65,360	32,177	—
U.S. Census Region			
Northeast	303,663	58,941	54.8 (10.6)
Midwest	274,072	68,961	40.7 (10.2)
South	587,507	128,578	48.0 (10.5)
West	464,227	118,102	60.4 (15.4)
MSA Status			
MSA	1,510,911	203,020	53.9 (7.2)
Non-MSA [¶]	118,558	46,516	—

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

https://www.cdc.gov/nchs/ahcd/about_ahcd.htm

Table A2: Emergency department (ED) visits with asthma as the primary diagnosis* per 10,000 population, by selected patient characteristics: United States, 2016–2018

Characteristics	Total				Children [†] (aged 0-17 years)				Adults [§] (aged 18+ years)			
	Weighted No. of Visits	SE (Weighted No. of Visits)	Rate [¶]	SE (Rate)	Weighted No. of Visits	SE (Weighted No. of Visits)	Rate [¶]	SE (Rate)	Weighted No. of Visits	SE (Weighted No. of Visits)	Rate [¶]	Rate (SE)
Total	1,656,920	117,982	51.9	3.69	646,777	79,198	88.1	10.79	1,010,143	81,681	41.1	3.33
Sex**												
Female	755,714	77,326	48.4	4.94	386,336	63,828	103.1	17.02	369,377	43,346	31.1	3.66
Male	901,206	72,645	55.2	4.45	260,441	35,722	72.5	9.92	640,765	58,896	50.4	4.63
Race & Ethnicity												
White, NH	610,831	61,146	31.3	3.14	178,637	36,047	47.9	9.70	432,194	47,171	27.4	2.99
Black, NH	651,771	63,173	163.5	15.88	298,340	45,355	297.3	45.09	353,431	40,406	119.2	13.73
Other, NH^{††}	48,995	12,516	18.2	4.64	14,251	— ^{§§}	— ^{§§}	— ^{§§}	34,745	— ^{§§}	— ^{§§}	— ^{§§}
Hispanic	345,323	49,379	59.9	8.61	155,550	29,169	84.1	15.75	189,773	36,560	48.7	9.41

Abbreviations: SE, standard error; NH, non-Hispanic.

*Asthma as the primary diagnosis (ICD-10-CM Codes: J45).

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0–17 years and dividing it by the civilian non-institutionalized population for children aged 0–17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Crude rate per 10,000 population and SE, standard error.

**Sex includes male and female, the only categories available on the Patient Record Form.

^{††}Other race includes Asian, Native Hawaiian/ Other Pacific Islander, American Indian/ Alaska Native, and more than one race categories.

^{§§}Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS). https://www.cdc.gov/nchs/ahcd/about_ahcd.htm

Emergency Department Visits, 2017 NHAMCS

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)
Total	1,564,440	211,884	49.1 (6.7)
Child (aged 0–17 years) [†]	626,923	135,178	85.3 (18.4)
Adult (aged 18+ years) [§]	937,516	148,002	38.3 (6.0)
Sex			
Male	764,892	133,283	49.2 (8.6)
Female	799,547	115,883	49.1 (7.1)
Race, not considering ethnicity			
White	831,175	125,650	33.9 (5.1)
Black	685,406	131,103	164.3 (31.4)
Other [¶]	47,858	24,243	—
Ethnicity			
Hispanic or Latino [¶]	248,345	86,657	—
Not Hispanic or Latino	1,316,094	159,384	50.4 (6.1)
Age Group			
0–4 years	278,088	77,332	139.6 (38.8)
5–17 years	348,836	88,660	65.1 (16.5)
18–34 years	436,387	86,389	59.3 (11.7)
35–64 years	426,570	86,217	34.6 (7.0)
65+ years [¶]	74,559	28,151	—
U.S. Census Region			
Northeast [¶]	367,773	135,324	—
Midwest	342,579	54,785	51.0 (8.2)
South	578,029	100,030	47.6 (8.2)
West [¶]	276,059	116,511	—
MSA Status			
MSA	1,357,284	216,782	48.5 (7.7)
Non-MSA [¶]	207,156	72,247	—

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

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Emergency Department Visits, 2016 NHAMCS

Table A: Emergency department visits (ED) with asthma as the primary diagnosis per 10,000 population, by selected patient characteristics: United States, 2016

Characteristics	Weighted No. of Visits	Standard Error of Weighted No. of Visits	Rate* (SE)
Total	1,776,851	204,136	55.9 (6.4)
Child (aged 0–17 years) [†]	546,013	98,935	74.3 (13.5)
Adult (aged 18+ years) [§]	1,230,838	162,841	50.3 (6.7)
Sex			
Male	701,071	98,657	45.1 (6.3)
Female	1,075,780	149,922	66.2 (9.2)
Race, not considering ethnicity			
White	1,051,527	166,935	42.9 (6.8)
Black	670,940	94,570	161.1 (22.7)
Other [¶]	54,384	19,670	—
Ethnicity			
Hispanic or Latino	452,265	100,494	79.6 (17.7)
Not Hispanic or Latino	1,324,586	154,961	50.7 (5.9)
Age Group			
0–4 years	175,200	44,039	87.9 (22.1)
5–17 years	370,813	74,511	69.2 (13.9)
18–34 years	594,213	108,041	80.9 (14.7)
35–64 years	505,449	84,062	41.0 (6.8)
65+ years [¶]	126,480	50,342	—
U.S. Census Region			
Northeast	353,039	77,788	63.6 (14.0)
Midwest	334,786	74,236	50.0 (11.1)
South	648,023	128,009	54.0 (10.7)
West	441,004	117,146	58.4 (15.5)
MSA Status			
MSA	1,481,170	188,938	54.1 (6.9)
Non-MSA [¶]	295,682	122,585	—

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

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Emergency Department Visits, 2015 NHAMCS

Table A: Emergency department visits (ED) with asthma as the primary diagnosis per 10,000 population, by selected patient characteristics: United States, 2015

Characteristics	Weighted No. of Visits	Standard Error of Weighted No. of Visits	Rate* (SE)
Total	1,738,752	229,178	55.0 (7.2)
Child (aged 0–17 years) [†]	904,847	196,788	123.1 (26.8)
Adult (aged 18+ years) [§]	833,905	103,684	34.3 (4.3)
Sex			
Male	975,318	171,838	63.1 (11.1)
Female	763,434	90,298	47.2 (5.6)
Race, not considering ethnicity			
White	925,815	133,473	37.9 (5.5)
Black	742,491	120,022	179.9 (29.1)
Other [¶]	—	—	—
Ethnicity			
Hispanic or Latino	393,842	92,340	70.4 (16.5)
Not Hispanic or Latino	1,344,910	179,226	51.7 (6.9)
Age Group			
0–4 years [¶]	—	—	—
5–17 years	646,640	158,790	120.6 (29.6)
18–34 years	298,545	61,287	40.8 (8.4)
35–64 years	472,941	66,948	38.4 (5.4)
65+ years [¶]	—	—	—
U.S. Census Region			
Northeast	416,289	111,453	74.9 (20.1)
Midwest [¶]	—	—	—
South	678,378	145,804	57.1 (12.3)
West	246,935	54,518	33.0 (7.3)
MSA Status			
MSA	1,562,780	229,903	56.5 (8.3)
Non-MSA [¶]	—	—	—

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

https://www.cdc.gov/nchs/ahcd/about_ahcd.htm

Emergency Department Visits, 2014 NHAMCS

Table A: Emergency department visits (ED) with asthma as the primary diagnosis per 10,000 population, by selected patient characteristics: United States, 2014

Characteristics	Weighted No. of Visits	Standard Error of Weighted No. of Visits	Rate* (SE)
Total	2,024,408	256,718	64.5 (8.2)
Child (aged 0–17 years) [†]	936,326	153,733	127.5 (20.9)
Adult (aged 18+ years) [§]	1,088,082	151,620	45.3 (6.3)
Sex			
Male	1,124,154	166,027	73.4 (10.8)
Female	900,254	128,235	56.1 (8.0)
Race, not considering ethnicity			
White	1,173,915	177,221	48.3 (7.3)
Black	08,508	169,230	198.3 (41.5)
Other [¶]	—	—	—
Ethnicity			
Hispanic or Latino	424,511	110,206	77.6 (20.1)
Not Hispanic or Latino	1,599,897	201,334	61.8 (7.8)
Age Group			
0–4 years	262,078	58,929	131.9 (29.7)
5–17 years	674,248	139,678	125.9 (26.1)
18–34 years	468,902	101,363	64.4 (13.9)
35–64 years	516,556	92,096	42.2 (7.5)
65+ years	67,024	18,513	14.9 (4.1)
U.S. Census Region			
Northeast	535,724	140,784	96.7 (25.4)
Midwest	584,251	155,325	87.5 (23.3)
South	537,759	83,277	45.8 (7.1)
West [¶]	—	—	—
MSA Status			
MSA	1,769,517	256,141	64.8 (9.4)
Non-MSA [¶]	—	—	—

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

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Emergency Department Visits, 2013 NHAMCS

Table A: Emergency department visits (ED) with asthma as the primary diagnosis per 10,000 population, by selected patient characteristics: United States, 2013

Characteristics	Weighted No. of Visits	Standard Error of Weighted No. of Visits	Rate* (SE)
Total	1,631,391	168,953	52.5 (5.4)
Child (aged 0–17 years) [†]	630,474	120,203	85.8 (16.4)
Adult (aged 18+ years) [§]	1,000,917	115,035	42.1 (4.8)
Sex			
Male	779,988	118,787	51.3 (7.8)
Female	851,403	114,250	53.5 (7.2)
Race, not considering ethnicity			
White	941,532	134,318	38.9 (5.6)
Black	603,005	83,069	149.8 (20.6)
Other [¶]	—	—	—
Ethnicity			
Hispanic or Latino	304,009	59,285	56.9 (11.1)
Not Hispanic or Latino	1,327,382	134,110	51.5 (5.2)
Age Group			
0–4 years	252,615	72,853	127.2 (36.7)
5–17 years	377,859	68,853	70.5 (12.9)
18–34 years	351,059	61,551	48.6 (8.5)
35–64 years	515,612	74,849	42.3 (6.1)
65+ years	93,541	26,427	21.5 (6.1)
U.S. Census Region			
Northeast	387,672	63,608	70.2 (11.5)
Midwest	300,320	75,268	45.1 (11.3)
South	587,348	96,143	50.6 (8.3)
West	356,051	97,931	48.7 (13.4)
MSA Status			
MSA	1,424,648	176,817	53.1 (6.6)
Non-MSA [¶]	—	—	—

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

https://www.cdc.gov/nchs/ahcd/about_ahcd.htm

Emergency Department Visits, 2012 NHAMCS

Table A: Emergency department visits (ED) with asthma as the primary diagnosis per 10,000 population, by selected patient characteristics: United States, 2012

Characteristics	Weighted No. of Visits	Standard Error of Weighted No. of Visits	Rate* (SE)
Total	1,694,825	180,645	54.9 (5.9)
Child (aged 0–17 years) [†]	825,045	151,788	112.1 (20.6)
Adult (aged 18+ years) [§]	869,780	100,183	37.0 (4.3)
Sex			
Male	692,041	105,962	45.9 (7.0)
Female	1,002,784	107,303	63.5 (6.8)
Race, not considering ethnicity			
White	917,557	138,429	38.1 (5.7)
Black	750,682	101,541	188.6 (25.5)
Other [¶]	—	—	—
Ethnicity			
Hispanic or Latino	521,580	135,510	99.6 (25.9)
Not Hispanic or Latino	1,173,245	116,421	45.8 (4.5)
Age Group			
0–4 years [¶]	—	—	—
5–17 years	506,417	79,820	94.5 (14.9)
18–34 years	316,711	53,243	44.3 (7.4)
35–64 years	465,072	67,121	38.2 (5.5)
65+ years [¶]	—	—	—
U.S. Census Region			
Northeast	446,372	91,194	81.2 (16.6)
Midwest	386,175	60,287	58.2 (9.1)
South	619,391	135,370	53.9 (11.8)
West	242,887	48,546	33.5 (6.7)

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

https://www.cdc.gov/nchs/ahcd/about_ahcd.htm

Emergency Department Visits, 2011 NHAMCS

Table A: Emergency department visits (ED) with asthma as the primary diagnosis per 10,000 population, by selected patient characteristics: United States, 2011

Characteristics	Weighted No. of Visits	Standard Error of Weighted No. of Visits	Rate* (SE)
Total	1,780,929	163,166	58.1 (5.3)
Child (aged 0–17 years) [†]	690,521	90,563	93.6 (12.3)
Adult (aged 18+ years) [§]	1,090,408	108,595	46.9 (4.7)
Sex			
Male	730,668	89,037	48.9 (6.0)
Female	1,050,261	101,313	67.0 (6.5)
Race, not considering ethnicity			
White	986,027	92,493	41.1 (3.9)
Black	685,980	107,238	174.4 (27.3)
Other	108,922	31,888	40.1 (11.7)
Ethnicity			
Hispanic or Latino	404,977	69,131	78.8 (13.5)
Not Hispanic or Latino	1,375,952	129,278	54.0 (5.1)
Age Group			
0–4 years	213,173	46,622	105.8 (23.1)
5–17 years	477,348	67,081	89.0 (12.5)
18–34 years	367,570	50,101	52.0 (7.1)
35–64 years	591,694	71,797	48.6 (5.9)
65+ years [¶]	—	—	—
U.S. Census Region			
Northeast	433,435	68,818	79.1 (12.6)
Midwest	298,117	45,842	45.1 (6.9)
South	705,150	123,736	62.0 (10.9)
West	344,227	66,897	48.0 (9.3)
MSA Status			
MSA	1,561,215	169,261	60.6 (6.6)
Non-MSA [¶]	—	—	—

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

https://www.cdc.gov/nchs/ahcd/about_ahcd.htm

Emergency Department Visits, 2010 NHAMCS

Table A: Emergency department visits (ED) with asthma as the primary diagnosis per 10,000 population, by selected patient characteristics: United States, 2010

Characteristics	Weighted No. of Visits	Standard Error of Weighted No. of Visits	Rate* (SE)
Total	1,754,308	158,314	57.8 (5.2)
Child (aged 0–17 years) [†]	730,061	111,915	98.2 (15.0)
Adult (aged 18+ years) [§]	1,024,247	98,158	44.7 (4.3)
Sex			
Male	787,747	96,242	52.9 (6.5)
Female	966,561	89,682	62.5 (5.8)
Race, not considering ethnicity			
White	952,210	107,369	39.4 (4.4)
Black	723,960	98,622	187.5 (25.5)
Other	78,138	21,146	33.4 (9.0)
Ethnicity			
Hispanic or Latino	277,507	62,853	56.7 (12.8)
Not Hispanic or Latino	1,476,801	139,506	58.0 (5.5)
Age Group			
0–4 years	296,573	59,276	139.5 (27.9)
5–17 years	433,488	67,630	81.6 (12.7)
18–34 years	408,159	52,722	57.8 (7.5)
35–64 years	485,024	64,606	40.5 (5.4)
65+ years	122,227	31,870	31.4 (8.2)
U.S. Census Region			
Northeast	375,084	46,240	68.7 (8.5)
Midwest	421,711	71,581	64.0 (10.9)
South	669,715	121,790	59.8 (10.9)
West	287,798	54,566	40.5 (7.7)
MSA Status			
MSA	1,549,322	160,271	60.3 (6.2)
Non-MSA [¶]	—	—	—

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

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

[†]Rate of child emergency department visits was calculated using the weighted number of visits for children aged 0-17 years and dividing it by the civilian non-institutionalized population for children aged 0-17 years per 10,000.

[§]Rate of adult emergency department visits was calculated using the weighted number of visits for adults aged 18+ years divided by the civilian non-institutionalized population for adults aged 18+ years per 10,000.

[¶]Estimate is suppressed because relative standard error (RSE) of the estimate is >30%.

https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NHAMCS/

Source: CDC/NCHS. National Hospital Ambulatory Medical Care Survey (NHAMCS).

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