

National Hospital Ambulatory Medical Care Survey: 2022 Emergency Department Summary Tables

Data Analytics and Production Branch is pleased to release the most current nationally representative data on ambulatory care visits to hospital emergency departments (EDs) in the United States. Estimates are presented on selected hospital, patient, and visit characteristics using data collected in the 2022 National Hospital Ambulatory Medical Care Survey (NHAMCS). NHAMCS is an annual, nationally representative sample survey of visits to hospitals.

The sampling frame for the 2022 NHAMCS was constructed from IQVIA's database. NHAMCS used a multistage probability design with samples of primary sampling units, hospitals within primary sampling units, and patient visits within emergency service areas of each selected hospital. A total of 466 hospitals were selected for the 2022 NHAMCS of which, 386 were in scope and had eligible EDs. Of these, 319 responded, yielding an unweighted ED response rate of 82.6% (83.0% weighted). A total of 465 emergency service areas were identified from the EDs. Of these, 262 responded fully or adequately by providing forms for at least one-half of their expected visits, based on the total number of visits during the reporting period. In all, 16,025 Patient Record Forms (PRFs) were submitted electronically. The resulting unweighted emergency service area sample response rate was 48.6% (42.2% weighted), and the overall unweighted two-stage sampling response rate was 40.2% (35.0% weighted).

The U.S. Census Bureau collected data electronically for the 2022 NHAMCS using a computerized instrument that it developed. Census field representatives completed PRFs for a sample of about 100 ED visits at each sampled hospital during a randomly assigned 4-week reporting period. The contents of the PRF may be viewed at: <https://www.cdc.gov/nchs/data/nhamcs/2022-NHAMCS-ED-PRF-sample-card-508.pdf>.

RTI International (Research Triangle Park, North Carolina) processed the data and performed medical coding. As part of the quality assurance procedure, a 10.4% quality control sample of ED survey records was independently keyed and coded. Coding error rates ranged from 0.1% to 4.2% for the ED sample. For more details, see the 2022 NHAMCS public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

Analyses were conducted using data from a restricted-use data file. A public-use version of this file is available from: https://www.cdc.gov/nchs/nhamcs/documentation/index.html#cdc_research_or_data_summary_about_the_data_research-2022-nhamcs. Count estimates and measures of variance could differ between the restricted-use and public-use data files. Information for accessing the restricted-use data file is available from: <https://www.cdc.gov/rdc/index.htm>. Web table estimates are based on sample data weighted to produce annual national estimates and include standard errors. The sample weight computed for each sample visit considers all stages of survey design. The survey data are inflated or weighted to produce unbiased national annual estimates. The visit weight includes three basic components: inflation by reciprocals of selection probabilities, adjustment for nonresponse, and population ratio adjustments. Estimates of the sampling variability were calculated using the Taylor series method in SUDAAN, which accounts for the complex sample design of NHAMCS. Detailed information on the design, conduct, and estimation procedures of the 2022 NHAMCS are discussed in the public-use data file documentation,

available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

As in any survey, results are subject to sampling and nonsampling errors. Nonsampling errors include reporting and processing errors as well as biases due to nonresponse and incomplete response. In 2022, race data were missing for 18.9% (unweighted) of ED records, and ethnicity data were missing for 14.6% (unweighted) of ED records. The National Center for Health Statistics uses model-based single imputation for NHAMCS race and ethnicity data. The race imputation, based on research by an internal work group, is restricted to three categories (Black, White, and Other) because of quality concerns with imputed estimates for race categories other than Black and White. The imputation technique is described in more detail in the public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

NCHS staff reviewed verbatim notes and medication code entries for any mentions of COVID-19 to be sure that any visits with any mentions of COVID-19 were reported appropriately. NHAMCS ED diagnosis data are coded according to the *International Classification of Diseases, 10th Revision, Clinical Modification* (ICD–10–CM). Five tables (Tables 6, 10, 11, 15, and 25) that present estimates of primary diagnoses, injury diagnoses, and primary hospital discharge diagnoses use ICD–10–CM codes. Starting April 1, 2020, the Centers for Disease Control and Prevention released guidelines for reporting COVID-19 with ICD–10–CM codes (available from: <https://www.cdc.gov/nchs/data/icd/COVID-19-guidelines-final.pdf>). The code U07.1 in the chapter “Codes for special purposes” was created and assigned for a confirmed COVID-19 diagnosis. Three tables (10, 11, and 25) include this chapter.

Proportion estimates are not presented or are flagged based on the procedure specified in “National Center for Health Statistics Data Presentation Standards for Proportions,” available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf. For all estimates other than estimates of proportions, the following approach is used: visit estimates are not presented if they are based on fewer than 30 cases in the sample data, in which case only an asterisk (*) appears. Visit estimates based on 30 or more cases include an asterisk if the relative standard error of the estimate exceeds 30%.

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Table 1. Emergency department visits, by patient age, sex, residence, and hospital region: United States, 2022

Patient characteristic	Number of visits (standard error) in thousands	Percent distribution (standard error)	Number of visits per 100 people ¹ (standard error)
All visits	155,398 (10,251)	100.0 ...	47.3 (3.1)
Age group (years) ¹			
Under 15	26,421 (2,846)	17.0 (1.4)	44.5 (4.8)
Under 1	3,597 (462)	2.3 (0.3)	98.9 (12.7)
1–4	9,688 (1,013)	6.2 (0.5)	65.2 (6.8)
5–14	13,135 (1,575)	8.5 (0.8)	32.1 (6.8)
15–24	20,675 (1,748)	13.3 (0.6)	47.5 (4.0)
25–44	39,568 (3,129)	25.5 (1.0)	45.3 (3.6)
45–64	35,799 (2,526)	23.0 (0.7)	43.8 (3.1)
65 and older	32,935 (2,702)	21.2 (1.2)	58.4 (4.8)
65–74	15,552 (1,239)	10.0 (0.6)	46.4 (3.7)
75 and older	17,383 (1,599)	11.2 (0.7)	76.0 (7.0)
Sex and age group (years)			
Female ¹	84,869 (5,875)	54.6 (0.6)	51.0 (3.5)
Under 15	12,753 (1,532)	8.2 (0.8)	43.9 (5.3)
15–24	12,147 (1,054)	7.8 (0.4)	56.4 (4.9)
25–44	23,140 (1,997)	14.9 (0.7)	53.0 (4.6)
45–64	18,533 (1,330)	11.9 (0.4)	44.7 (3.2)
65–74	8,145 (723)	5.2 (0.4)	45.9 (4.1)
75 and older	10,151 (1,001)	6.5 (0.5)	77.2 (7.6)
Male ¹	70,529 (4,530)	45.4 (0.6)	43.5 (2.8)
Under 15	13,668 (1,449)	8.8 (0.8)	45.0 (4.8)
15–24	8,528 (823)	5.5 (0.3)	38.8 (3.7)
25–44	16,428 (1,264)	10.6 (0.5)	37.5 (2.9)
45–64	17,267 (1,325)	11.1 (0.4)	42.7 (3.3)
65–74	7,407 (604)	4.8 (0.3)	46.9 (3.8)
75 and older	7,232 (700)	4.7 (0.3)	74.3 (7.2)
Residence			
Private residence ¹	146,144 (9,664)	94.1 (0.8)	44.5 (2.9)
Nursing home ²	2,966 (488)	1.9 (0.3)	240.9 (39.7)
Homeless ³	1,964 (225)	1.3 (0.2)	337.1 (38.7)
Other	1,781 (291)	1.2 (0.2)	0.5 (0.1)
Unknown or blank	*2,542 (1,170)	1.6 (0.7)	* ...
Urban–rural classification ⁴			
Large central metropolitan	45,667 (5,506)	29.4 (3.1)	... ..
Large fringe metropolitan	24,653 (5,094)	15.9 (3.0)	... ..
Medium metropolitan	36,181 (5,758)	23.3 (4.0)	... ..
Small metropolitan	*16,745 (5,586)	* ...	... ..
Micropolitan	13,835 (3,921)	8.9 (2.4)	... ..
Noncore (nonmetropolitan)	13,713 (4,022)	8.8 (2.4)	... ..
Unknown or blank	4,605 (1,221)	3.0 (0.8)	... ..
Geographic region ⁵			
Northeast	25,143 (3,061)	16.2 (1.9)	44.6 (5.4)
Midwest	33,577 (3,273)	21.6 (2.2)	49.5 (4.8)
South	61,812 (8,414)	39.8 (3.6)	48.8 (6.6)
West	34,866 (3,898)	22.4 (2.4)	44.9 (5.0)

See footnotes at end of table.

Table 1. Emergency department visits, by patient age, sex, residence, and hospital region: United States, 2022—Con.

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹Visit rates for age group, sex, and private residence are based on estimates of the U.S. civilian noninstitutionalized population as of July 1, 2022, from the U.S. Census Bureau, Population Division.

²Visit rates for nursing home residents are based on the 2022 population denominators from the Centers for Medicare & Medicaid Services, 2022 Minimum Data Set Frequency Reports, available from: <https://www.cms.gov/Research-Statistics-Data-and-Systems/Computer-Data-and-Systems/Minimum-Data-Set-3-0-Public-Reports/Minimum-Data-Set-3-0-Frequency-Report.html>.

³Visit rates for people who are homeless are based on the January 2022 estimate of people who were without a home on a given night, as reported in "The 2022 Annual Homeless Assessment Report (AHAR) to Congress," available from: <https://www.huduser.gov/portal/sites/default/files/pdf/2022-AHAR-Part-1.pdf>.

⁴For each record, county of residence was determined using patient ZIP code and then matched to the NCHS Urban–Rural Classification Scheme for Counties, available from: <https://www.cdc.gov/nchs/data-analysis-tools/urban-rural.html>.

⁵Refers to the geographic region of the emergency department. For geographic region, population denominators differ for each category and do not add to the total population rate. For other variables, the denominator is the total population.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 2. Emergency department visits, by patient race, age, and ethnicity: United States, 2022

Patient characteristic	Number of visits (standard error) in thousands	Percent distribution (standard error)	Number of visits per 100 people ¹ (standard error)
All visits	155,398 (10,251)	100.0 ...	47.3 (3.1)
Race ² and age group (years)			
White	108,405 (7,865)	69.8 (2.1)	43.7 (3.2)
Under 15	17,984 (2,041)	11.6 (1.0)	43.1 (4.9)
15–24	13,671 (1,227)	8.8 (0.5)	43.0 (3.9)
25–44	26,295 (2,234)	16.9 (0.8)	40.9 (3.5)
45–64	24,809 (1,863)	16.0 (0.8)	38.9 (2.9)
65–74	11,736 (1,042)	7.6 (0.5)	42.6 (3.8)
75 and older	13,910 (1,359)	9.0 (0.7)	72.0 (7.0)
Black or African American	40,006 (4,358)	25.7 (2.1)	90.4 (9.9)
Under 15	6,982 (1,088)	4.5 (0.7)	75.1 (11.7)
15–24	5,995 (814)	3.9 (0.4)	93.5 (12.7)
25–44	11,714 (1,479)	7.5 (0.8)	93.1 (11.7)
45–64	9,467 (1,327)	6.1 (0.7)	91.0 (12.7)
65–74	3,250 (337)	2.1 (0.2)	91.1 (9.5)
75 and older	2,599 (405)	1.7 (0.2)	132.3 (20.6)
Other race groups ³	6,987 (857)	4.5 (0.6)	19.4 (2.4)
Race and ethnicity ²			
Hispanic or Latino	25,714 (2,821)	16.6 (1.5)	40.8 (4.5)
Not Hispanic or Latino	129,684 (9,054)	83.5 (1.5)	48.8 (3.4)
White	86,113 (6,729)	55.4 (2.1)	44.5 (3.5)
Black or African American	37,191 (4,125)	23.9 (2.0)	90.8 (10.1)
Other race groups ³	6,380 (852)	4.1 (0.6)	20.5 (2.7)

... Category not applicable.

¹Visit rates are based on estimates of the U.S. civilian noninstitutionalized population as of July 1, 2022, from the U.S. Census Bureau, Population Division.

²The race groups White, Black or African American, and Other race groups include people of Hispanic and non-Hispanic origin. People of Hispanic origin may be of any race. For 2022, race data were missing for 16.5% (weighted) of visits, and ethnicity data were missing for 16.9% (weighted) of visits. Starting with 2009 data, the National Center for Health Statistics has adopted the technique of model-based single imputation for National Hospital Ambulatory Medical Care Survey (NHAMCS) race and ethnicity data. The race imputation was restricted to three categories (White, Black, and Other race groups) based on research by an internal work group and on quality concerns with imputed estimates for race categories other than White and Black. The imputation technique is described in more detail in the 2022 NHAMCS public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

³Includes Asian, Native Hawaiian or Other Pacific Islander, American Indian or Alaska Native, and people of more than one race.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 3. Wait time at emergency department visits: United States, 2022

Visit characteristic	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits	155,398 (10,251)	100.0 ...
Time spent waiting to see a physician, APRN, or PA ¹		
Less than 15 minutes	63,084 (5,607)	40.6 (2.5)
15–59 minutes	46,195 (4,352)	29.7 (1.5)
1 hour, but less than 2 hours	14,038 (1,642)	9.0 (0.9)
2 hours, but less than 3 hours	4,953 (821)	3.2 (0.5)
3 hours, but less than 4 hours	2,528 (534)	1.6 (0.3)
4 hours, but less than 6 hours	1,535 (304)	1.0 (0.2)
6 hours or more	915 (202)	0.6 (0.1)
Not applicable	5,044 (523)	3.2 (0.3)
Blank	17,106 (3,189)	11.0 (2.0)
Time spent in the emergency department		
Less than 1 hour	12,470 (1,458)	8.0 (0.8)
1 hour, but less than 2 hours	28,612 (2,787)	18.4 (1.1)
2 hours, but less than 4 hours	51,510 (3,953)	33.1 (1.1)
4 hours, but less than 6 hours	27,401 (2,449)	17.6 (0.9)
6 hours, but less than 10 hours	17,740 (1,573)	11.4 (0.9)
10 hours, but less than 14 hours	4,584 (548)	2.9 (0.4)
14 hours, but less than 24 hours	4,115 (502)	2.6 (0.3)
24 hours or more	2,544 (333)	1.6 (0.2)
Blank	6,421 (1,647)	4.1 (1.1)
Patient arrived in emergency department after business hours ²		
Yes	87,511 (5,955)	56.3 (0.7)
No	65,774 (4,558)	42.3 (0.7)
Blank	2,113 (477)	1.4 (0.3)

... Category not applicable.

¹APRN is advanced practice registered nurse. PA is physician assistant. The median wait time to see a physician, APRN, or PA was 16.0 minutes; the mean wait time to see a physician, APRN, or PA was 38.1 minutes.

²Business hours are defined as Monday through Friday, 8 a.m. to 5 p.m.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 4. Mode of arrival at emergency department, by patient age: United States, 2022

Age group (years)	Number of visits in thousands	Patient's mode of arrival			
		Total ¹	Ambulance	Other	Unknown or blank
Percent distribution (standard error)					
All visits	155,398	100.0	17.0 (0.9)	80.4 (1.1)	2.5 (0.7)
Under 15.	26,463	100.0	5.0 (0.8)	93.3 (0.9)	1.7 (0.5)
Under 1	3,640	100.0	4.7 (1.2)	91.2 (2.2)	* ...
1-4	9,688	100.0	4.4 (0.8)	95.1 (0.8)	0.5 (0.2)
5-14	13,135	100.0	5.6 (1.1)	92.6 (1.1)	1.8 (0.6)
15-24	20,675	100.0	11.0 (0.9)	87.2 (1.1)	1.8 (0.6)
25-44	39,547	100.0	12.5 (0.9)	85.2 (1.2)	2.3 (0.8)
45-64	35,778	100.0	19.4 (1.3)	77.4 (1.5)	3.2 (0.9)
65 and older	32,935	100.0	33.4 (1.6)	63.4 (1.6)	3.1 (0.9)
65-74	15,552	100.0	26.5 (2.2)	70.0 (2.1)	3.5 (1.0)
75 and older	17,383	100.0	39.6 (2.0)	57.6 (2.1)	2.8 (1.0)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹Arrival by ambulance was the mode of arrival for 26,492,000 visits; arrival by other mode was the mode of arrival for 128,905,000 visits.

NOTE: Numbers may not add to totals because of rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 5. Expected source of payment at emergency department visits: United States, 2022

Expected source of payment	Number of visits ¹ (standard error) in thousands	Percent of visits (standard error)
All visits	155,398 (10,251)	... ..
Private insurance	46,268 (3,417)	29.8 (1.7)
Medicaid or CHIP ² or other state-based program	62,562 (6,186)	40.3 (2.5)
Medicare	34,221 (2,961)	22.0 (1.3)
Medicare and Medicaid ³	6,235 (870)	4.0 (0.4)
No insurance ⁴	9,702 (1,893)	6.2 (1.1)
Self-pay	9,326 (1,907)	6.0 (1.1)
No charge or charity	*439 (142)	0.3 (0.1)
Workers' compensation	1,034 (161)	0.7 (0.1)
Other	6,593 (868)	4.2 (0.5)
Unknown or blank	14,265 (2,939)	9.2 (1.9)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%.

¹Total exceeds "All visits" and percentage exceeds 100% because more than one source of payment may be reported per visit.

²Children's Health Insurance Program.

³Visits are also included in the "Medicaid or CHIP or other state-based program" and "Medicare" categories.

⁴Defined as having only self-pay, no charge, or charity as payment sources.

NOTE: Numbers may not add to totals because of rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 6. Triage status of emergency department visits, by selected patient characteristics: United States, 2022

Patient and visit characteristics	Number of visits in thousands	Total	Level 1 (immediate)	Level 2 (emergent)	Level 3 (urgent)	Level 4 (semiurgent)	Level 5 (nonurgent)	No triage ¹	Unknown or blank
All visits	155,398	100.0	1.0 (0.3)	10.1 (0.9)	33.1 (2.5)	19.4 (2.1)	1.8 (0.3)	8.8 (2.5)	25.8 (4.5)
Age group (years)									
Under 15	26,463	100.0	0.2 (0.1)	4.2 (0.8)	22.3 (2.5)	31.6 (4.3)	3.0 (0.6)	* ...	31.5 (6.4)
Under 1	3,640	100.0	* ...	5.7 (1.6)	24.3 (3.9)	27.3 (4.2)	1.7 (0.8)	* ...	32.4 (6.6)
1–4	9,688	100.0	* ...	4.0 (1.1)	20.1 (2.6)	33.8 (4.9)	4.0 (1.0)	* ...	31.4 (6.6)
5–14	13,135	100.0	0.4 (0.3)	3.9 (0.8)	23.3 (2.9)	31.2 (4.8)	2.6 (0.7)	* ...	31.2 (6.9)
15–24	20,675	100.0	0.7 (0.2)	6.9 (1.0)	29.7 (2.9)	24.6 (2.9)	1.9 (0.6)	8.7 (2.5)	27.5 (4.8)
25–44	39,547	100.0	0.8 (0.2)	8.7 (0.9)	34.5 (2.7)	20.7 (2.6)	1.6 (0.3)	9.3 (2.6)	24.5 (4.3)
45–64	35,778	100.0	1.2 (0.4)	12.9 (1.5)	35.1 (2.7)	15.5 (2.0)	1.3 (0.3)	9.5 (2.8)	24.5 (4.7)
65 and older	32,935	100.0	1.8 (0.7)	15.4 (1.5)	40.3 (3.2)	8.8 (1.0)	1.4 (0.3)	* ...	23.3 (4.6)
65–74	15,552	100.0	1.2 (0.5)	16.4 (1.9)	39.6 (3.3)	10.8 (1.5)	1.1 (0.4)	* ...	22.2 (4.2)
75 and older	17,383	100.0	2.4 (0.8)	14.6 (1.8)	40.9 (3.5)	7.0 (1.1)	1.6 (0.6)	* ...	24.4 (5.2)
Sex									
Female	84,869	100.0	1.0 (0.3)	9.1 (1.1)	34.9 (2.6)	18.6 (2.2)	1.6 (0.3)	9.0 (2.6)	25.8 (4.5)
Male	70,529	100.0	1.0 (0.2)	11.2 (1.0)	31.0 (2.4)	20.3 (2.1)	1.9 (0.3)	8.7 (2.5)	25.9 (4.4)
Race ²									
White	108,405	100.0	0.8 (0.2)	10.5 (1.0)	33.9 (2.5)	18.6 (2.1)	1.6 (0.3)	9.7 (2.9)	25.0 (4.3)
Black or African American	40,006	100.0	1.4 (0.5)	8.9 (1.2)	31.3 (3.2)	22.2 (3.4)	2.2 (0.4)	* ...	27.0 (6.2)
Other race groups ³	6,987	100.0	1.2 (0.5)	10.3 (2.0)	32.7 (5.6)	15.2 (2.7)	1.2 (0.5)	* ...	* ...
Ethnicity and race ²									
Hispanic or Latino	25,714	100.0	0.9 (0.3)	7.9 (1.1)	36.5 (2.9)	24.3 (2.7)	2.3 (0.5)	* ...	17.8 (4.1)
Not Hispanic or Latino	129,684	100.0	1.0 (0.3)	10.5 (1.0)	32.5 (2.6)	18.4 (2.3)	1.7 (0.3)	* ...	27.4 (4.9)
White	86,113	100.0	0.8 (0.2)	11.1 (1.1)	33.2 (2.7)	17.3 (2.3)	1.5 (0.3)	* ...	26.5 (4.7)
Black or African American	37,191	100.0	1.4 (0.5)	9.1 (1.2)	31.0 (3.3)	21.6 (3.5)	2.2 (0.4)	* ...	28.3 (6.6)
Other race groups ³	6,380	100.0	1.3 (0.5)	10.4 (2.1)	32.3 (6.0)	13.6 (2.5)	1.1 (0.4)	* ...	* ...
Expected source of payment ⁴									
Private insurance	46,268	100.0	0.6 (0.2)	12.2 (1.2)	37.4 (3.0)	17.0 (1.7)	1.1 (0.3)	8.1 (2.3)	23.4 (4.4)
Medicaid or CHIP ⁵ or other state-based program	62,562	100.0	0.7 (0.2)	8.7 (0.9)	33.7 (2.5)	24.2 (2.9)	2.4 (0.4)	* ...	23.7 (5.2)
Medicare	34,221	100.0	2.2 (0.7)	15.3 (1.8)	38.8 (3.3)	10.2 (1.3)	1.3 (0.3)	* ...	22.6 (4.8)
Medicare and Medicaid ⁶	6,235	100.0	2.4 (0.8)	14.1 (2.5)	38.2 (4.3)	16.5 (3.3)	2.4 (0.8)	* ...	* ...
No insurance ⁷	9,702	100.0	0.8 (0.4)	10.0 (1.7)	26.6 (3.1)	30.2 (5.4)	2.8 (1.0)	* ...	23.5 (6.5)
Worker's compensation	1,034	100.0	* ...	* ...	26.6 (6.9)	34.3 (5.0)	* ...	* ...	* ...
Other	6,593	100.0	1.1 (0.6)	11.4 (1.9)	39.2 (4.0)	16.1 (2.1)	1.6 (0.6)	* ...	17.7 (3.6)
Unknown or blank	14,265	100.0	1.2 (0.6)	5.8 (1.5)	19.3 (4.3)	13.2 (3.2)	1.0 (0.3)	* ...	* ...

See footnotes at end of table.

Table 6. Triage status of emergency department visits, by selected patient characteristics: United States, 2022—Con.

...Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹A visit in which the emergency service area (ESA) coded nursing triage as zero (had admitted to hospital or treated immediately) or visit occurred in an ESA that does not conduct triage.

²The race groups White, Black or African American, and Other race groups include people of Hispanic and non-Hispanic origin. People of Hispanic origin may be of any race. Starting with 2009 data, the National Center for Health Statistics has adopted the technique of model-based single imputation for National Hospital Ambulatory Medical Care Survey (NHAMCS) race and ethnicity data. The race imputation was restricted to three categories (White, Black, and Other race groups) based on research by an internal work group and on quality concerns with imputed estimates for race categories other than White or Black. The imputation technique is described in more detail in the 2022 NHAMCS public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc21-ed-508.pdf. For 2022, race data were missing for 16.5% (weighted) of visits, and ethnicity data were missing for 16.9% (weighted) of visits.

³Includes Asian, Native Hawaiian or Other Pacific Islander, American Indian or Alaska Native, and persons with more than one race.

⁴Total exceeds "All visits" because more than one source of payment may be reported per visit.

⁵Children's Health Insurance Program.

⁶Visits are also included in both the "Medicaid or CHIP or other state-based program" and "Medicare" categories.

⁷No insurance is defined as having only self-pay, no charge or charity as payment sources.

NOTES: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 7. Initial blood pressure measurements recorded at emergency department visits for adults, by selected patient characteristics: United States, 2022

Patient characteristic	Number of visits in thousands	Initial blood pressure ¹				
		Total	Not high (SBP less than 120 mmHg and DBP less than 80 mmHg)	Prehypertension (SBP 120–139 mmHg or DBP 80–89 mmHg)	Stage 1 hypertension (SBP 140–159 mmHg or DBP 90–99 mmHg)	Stage 2 hypertension (SBP greater than or equal to 160 mmHg or DBP greater than 100 mmHg)
Percent distribution (standard error)						
All visits ²	119,056	100.0	17.5 (0.6)	33.0 (0.7)	27.5 (0.7)	21.9 (0.9)
Age group (years)						
18–24	14,749	100.0	25.7 (1.8)	46.9 (1.8)	21.4 (2.1)	6.0 (0.9)
25–44	38,050	100.0	19.2 (1.0)	37.5 (1.0)	28.2 (1.2)	15.1 (0.8)
45–64	34,441	100.0	15.5 (0.8)	29.6 (1.1)	28.8 (1.3)	26.1 (1.6)
65–74	15,105	100.0	12.7 (1.2)	25.8 (1.7)	29.1 (1.6)	32.4 (2.2)
75 and older	16,712	100.0	15.1 (1.4)	24.2 (1.2)	27.1 (1.4)	33.6 (1.8)
Sex						
Female	66,993	100.0	19.2 (0.8)	34.0 (1.0)	26.2 (0.8)	20.7 (1.1)
Male	52,063	100.0	15.4 (0.7)	31.7 (0.8)	29.3 (1.0)	23.6 (1.1)
Race ³						
White	83,744	100.0	17.2 (0.6)	32.7 (0.9)	28.1 (0.9)	22.0 (1.1)
Black or African American	30,315	100.0	17.6 (0.9)	34.0 (1.3)	26.3 (1.1)	22.1 (1.1)
Other race groups ⁴	4,997	100.0	22.2 (3.2)	32.4 (2.3)	25.0 (2.2)	20.4 (2.5)
Race and Ethnicity ³						
Hispanic or Latino	17,691	100.0	19.8 (1.4)	32.3 (1.6)	28.2 (1.7)	19.6 (1.8)
Not Hispanic or Latino	101,365	100.0	17.1 (0.6)	33.1 (0.7)	27.4 (0.7)	22.3 (0.9)
White	68,393	100.0	16.8 (0.6)	32.7 (1.0)	27.7 (0.9)	22.8 (1.1)
Black or African American	28,337	100.0	17.1 (0.8)	34.2 (1.3)	27.1 (1.2)	21.6 (1.0)
Other race groups ⁴	4,634	100.0	22.6 (3.4)	32.3 (2.4)	25.5 (2.3)	19.5 (2.5)

¹SBP is systolic blood pressure. DBP is diastolic blood pressure. Three high blood pressure categories (SBP greater than 120 or DBP greater than 80) are based on The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure and correspond to prehypertensive, stage 1 hypertensive, and stage 2 hypertensive ranges. If SBP and DBP fall into two categories, the visit is included in the higher blood pressure category.

²Visits by adults (aged 18 and older). Visits where blood pressure was taken represent 96.3% (SE=1.0) of all emergency department visits made by adults.

³The race groups, White, Black or African American, and Other race groups include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. For 2022, race data were missing for 14.4% (weighted) of visits made by adults, and ethnicity data were missing for 15.7% (weighted) of visits made by adults. Beginning with 2009, the National Center for Health Statistics has adopted model-based single imputation for National Hospital Ambulatory Medical Care Survey (NHAMCS) race and ethnicity data. The race imputation is restricted to three categories (White, Black, and Other) based on research by an internal work group and on quality concerns with imputed estimates for race categories other than White and Black. The imputation technique is described in more detail in the 2022 NHAMCS Public Use Data File documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

⁴Includes Asian, Native Hawaiian or Other Pacific Islander, American Indian or Alaska Native, and persons with more than one race.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 8. Initial temperature, pulse oximetry, and visit history at emergency department visits: United States, 2022

Visit characteristic	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits	155,398 (10,251)	100.0 ...
Temperature		
Febrile: Higher than 38.0° C or higher than 100.4°F	4,992 (558)	3.2 (0.3)
Normal: 35.1–38.0° C or 95.1–100.4°F	141,950 (9,494)	91.3 (1.2)
Hypothermic: 35.0° C and below or 95.0°F and below	* ...	0.1 (0.0)
Blank	8,225 (1,912)	5.3 (1.2)
Pulse oximetry ¹		
95%–100%	133,424 (8,889)	85.9 (1.6)
Less than 95%	11,932 (1,041)	7.7 (0.6)
Blank	10,042 (2,818)	6.5 (1.7)
Episode of care		
Initial visit	130,599 (9,444)	84.0 (2.2)
Follow-up visit	7,572 (676)	4.9 (0.4)
Unknown or blank	17,227 (3,518)	11.1 (2.1)
Patient seen in this emergency department within the last 72 hours		
Yes	*6,121 (2,334)	* ...
No	130,615 (8,999)	84.1 (3.1)
Unknown or blank	18,661 (4,665)	12.0 (2.8)

...Category not applicable.

0.0 Quantity more than zero but less than 0.05.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹Normal oxygen saturation as measured by pulse oximetry is 95% or more.

NOTE: Numbers may not add to totals because of rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 9. Ten principal reasons for emergency department visits, by patient age and sex: United States, 2022

Principal reason for visit and RVC code ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits	155,398 (10,251)	100.0 ...
Stomach and abdominal pain, cramps and spasms. S545	13,055 (984)	8.4 (0.4)
Chest pain and related symptoms (not referable to body systems). S050	8,354 (826)	5.4 (0.4)
Cough. S440	5,973 (613)	3.8 (0.3)
Shortness of breath S415	5,892 (569)	3.8 (0.3)
Fever S010	5,830 (697)	3.8 (0.4)
Headache, pain in head S210	4,122 (421)	2.7 (0.2)
Pain, site not referable to a specific body system S055	3,418 (372)	2.2 (0.2)
Back symptoms S905	3,229 (441)	2.1 (0.2)
Vomiting S530	2,988 (302)	1.9 (0.2)
Other symptoms or problems relating to psychological and mental disorders. S165	2,922 (312)	1.9 (0.2)
All other reasons ²	99,614 (6,725)	64.1 (0.8)
All visits under age 15 years	26,420 (2,846)	100.0 ...
Female	12,753 (1,532)	48.3 (1.7)
Fever S010	1,973 (292)	7.5 (0.8)
Cough S440	1,556 (266)	5.9 (0.7)
Stomach and abdominal pain, cramps and spasms S545	690 (114)	2.6 (0.4)
Vomiting S530	548 (114)	2.1 (0.4)
Symptoms referable to throat S455	* ...	1.5 (0.4)
Earache, or ear infection S355	379 (100)	1.4 (0.3)
Skin rash S860	374 (92)	1.4 (0.3)
General viral infection S450	* ...	* ...
Headache, pain in head S210	* ...	1.1 (0.3)
Injury, other and unspecified type-head, neck, and face J505	293 (64)	1.1 (0.3)
All other reasons ²	5,916 (758)	22.4 (1.5)
Male	13,668 (1,449)	51.7 (1.7)
Fever S010	2,440 (397)	9.2 (0.9)
Cough S440	1,617 (235)	6.1 (0.7)
Stomach and abdominal pain, cramps and spasms S545	733 (132)	2.8 (0.4)
Vomiting S530	731 (129)	2.8 (0.4)
Injury, other and unspecified type-head, neck, and face J505	408 (81)	1.5 (0.3)
Nasal congestion S400	* ...	1.4 (0.5)
Shortness of breath S415	305 (69)	1.2 (0.3)
Earache, or ear infection S355	292 (73)	1.1 (0.3)
Skin rash S860	253 (74)	1.0 (0.3)
Symptoms referable to throat S455	* ...	0.9 (0.4)
All other reasons ²	6,288 (699)	23.8 (1.4)

See footnotes at end of table.

Table 9. Ten principal reasons for emergency department visits, by patient age and sex: United States, 2022—Con.

Principal reason for visit and RVC code ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits, ages 15-64	96,042 (6,832)	100.0 ...
Female	53,820 (3,961)	56.0 (0.7)
Stomach and abdominal pain, cramps and spasms S545	6,380 (556)	6.6 (0.4)
Chest pain and related symptoms (not referable to body systems) S050	3,124 (399)	3.3 (0.3)
Headache, pain in head S210	2,190 (275)	2.3 (0.2)
Problems of pregnancy S790	1,865 (319)	1.9 (0.3)
Shortness of breath S415	1,650 (225)	1.7 (0.2)
Cough S440	1,609 (193)	1.7 (0.2)
Pain, site not referable to a specific body system S055	1,467 (188)	1.5 (0.2)
Back symptoms S905	1,389 (265)	1.4 (0.2)
Symptoms referable to throat S455	1,384 (184)	1.4 (0.2)
Nausea S525	929 (115)	1.0 (0.1)
All other reasons ²	31,834 (2,262)	33.1 (0.6)
Male	42,222 (3,003)	44.0 (0.7)
Stomach and abdominal pain, cramps and spasms S545	3,214 (276)	3.3 (0.2)
Chest pain and related symptoms (not referable to body systems) S050	2,824 (283)	2.9 (0.2)
Shortness of breath S415	1,402 (201)	1.5 (0.2)
Headache, pain in head S210	1,042 (133)	1.1 (0.1)
Pain, site not referable to a specific body system S055	1,008 (158)	1.0 (0.2)
Back symptoms S905	938 (134)	1.0 (0.1)
Other symptoms or problems relating to psychological and mental disorders S165	917 (140)	1.0 (0.1)
Laceration/cut of upper extremity J225	810 (139)	0.8 (0.1)
Cough S440	773 (123)	0.8 (0.1)
Injury, other and unspecified type hand and finger(s) J570	697 (141)	0.7 (0.1)
All other reasons ²	28,596 (2,210)	29.8 (0.7)
All visits, ages 65 and older	32,935 (2,702)	100.0 ...
Female	18,296 (1,616)	55.6 (1.2)
Chest pain and related symptoms (not referable to body systems) S050	1,283 (181)	3.9 (0.5)
Stomach and abdominal pain, cramps and spasms S545	1,187 (171)	3.6 (0.4)
Shortness of breath S415	1,145 (149)	3.5 (0.4)
Accident, not otherwise specified J810	609 (171)	1.8 (0.5)
Back symptoms S905	596 (146)	1.8 (0.4)
General weakness S020	596 (131)	1.8 (0.4)
Vertigo-dizziness S225	578 (109)	1.8 (0.3)
Other symptoms or problems relating to psychological and mental disorders S165	567 (152)	1.7 (0.4)
Pain, site not referable to a specific body system S055	535 (145)	1.6 (0.4)
Leg symptoms S920	491 (90)	1.5 (0.3)
All other reasons ²	10,710 (946)	32.5 (1.5)
Male	14,639 (1,208)	44.4 (1.2)
Shortness of breath S415	1,145 (168)	3.5 (0.4)
Chest pain and related symptoms (not referable to body systems) S050	881 (147)	2.7 (0.4)
Stomach and abdominal pain, cramps and spasms S545	851 (192)	2.6 (0.5)
General weakness S020	616 (143)	1.9 (0.4)
Other symptoms or problems relating to psychological and mental disorders S165	547 (103)	1.7 (0.3)
Complications of surgical or medical procedures and treatments J930	516 (131)	1.6 (0.4)
Accident, not otherwise specified J810	451 (106)	1.4 (0.3)
Leg symptoms S920	422 (110)	1.3 (0.3)
Vertigo-dizziness S225	381 (84)	1.2 (0.2)
Pain, site not referable to a specific body system S055	325 (72)	1.0 (0.2)
All other reasons ²	8,502 (717)	25.8 (1.2)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹Reason for visit is based on the patient's own words and coded according to "A Reason for Visit Classification for Ambulatory Care," National Center for Health Statistics, Series Report 2, Number 78. See the 2022 National Hospital Ambulatory Medical Care Survey public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

²Category includes all other reasons not listed above, as well as unknown and blanks.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 10. Primary diagnosis at emergency department visits, by major disease category: United States, 2022

Major disease category and ICD-10-CM code range ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits	155,398 (10,251)	100.0 ...
Certain infectious and parasitic diseases	A00-B99 4,656 (482)	3.0 (0.2)
Neoplasms	C00-D49 305 (70)	0.2 (0.0)
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89 970 (131)	0.6 (0.1)
Endocrine, nutritional, and metabolic diseases	E00-E89 2,849 (336)	1.8 (0.2)
Mental, behavioral and neurodevelopmental disorders	F01-F99 5,937 (532)	3.8 (0.2)
Diseases of the nervous system	G00-G99 2,632 (289)	1.7 (0.2)
Diseases of the eye and adnexa	H00-H59 1,161 (140)	0.7 (0.1)
Diseases of the ear and mastoid process	H60-H95 2,799 (394)	1.8 (0.2)
Diseases of the circulatory system	I00-I99 5,525 (479)	3.6 (0.3)
Diseases of the respiratory system	J00-J99 13,783 (1,494)	8.9 (0.7)
Diseases of the digestive system	K00-K95 8,793 (738)	5.7 (0.3)
Diseases of the skin and subcutaneous tissue	L00-L99 4,464 (411)	2.9 (0.2)
Diseases of the musculoskeletal system and connective tissue	M00-M99 10,955 (1,130)	7.0 (0.4)
Diseases of the genitourinary system	N00-N99 7,331 (620)	4.7 (0.3)
Pregnancy, childbirth and the puerperium	O00-O9A 2,576 (358)	1.7 (0.2)
Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99 39,550 (2,902)	25.5 (0.9)
Injury, poisoning and certain other consequences of external causes	S00-T88 24,772 (1,726)	15.9 (0.5)
Injuries to the head	S00-S09 5,393 (460)	21.8 (1.2)
Injuries to the neck	S10-S19 647 (158)	2.6 (0.5)
Injuries to the thorax	S20-S29 985 (157)	4.0 (0.6)
Injuries to the abdomen, lower back, lumbar spine, pelvis and external genitals	S30-S39 948 (137)	3.8 (0.6)
Injuries to the shoulder and upper arm	S40-S49 1,343 (126)	5.4 (0.5)
Injuries to the elbow and forearm	S50-S59 1,044 (159)	4.2 (0.6)
Injuries to the wrist, hand and fingers	S60-S69 3,308 (339)	13.4 (1.1)
Injuries to the hip and thigh	S70-S79 871 (128)	3.5 (0.5)
Injuries to the knee and lower leg	S80-S89 2,161 (254)	8.7 (0.9)
Injuries to the ankle and foot	S90-S99 2,333 (263)	9.4 (0.9)
Injuries involving multiple body regions or unspecified body region	T07, T14 1,288 (175)	5.2 (0.6)
Effects of foreign body entering through natural orifice	T15-T19 641 (132)	2.6 (0.5)
Burns and corrosions	T20-T32 301 (73)	1.2 (0.3)
Frostbite	T33-T34 * ...	* ...
Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances	T36-T50 942 (161)	3.8 (0.5)
Toxic effects of substances chiefly nonmedicinal as to source	T51-T65 408 (90)	1.6 (0.3)
Other and unspecified effects of external causes	T66-T78 1,139 (170)	4.6 (0.6)
Certain early complications of trauma	T79 * ...	* ...
Complications of surgical and medical care	T80-T88 969 (182)	3.9 (0.6)
Codes for special purposes ²	U00-U85 5,097 (772)	3.3 (0.4)
All other diagnoses ³ . . . . .	... 9,163 (791)	5.9 (0.4)
Unknown or blank . . . . .	... 2,081 (382)	1.3 (0.2)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹Based on the *International Classification of Diseases, 10th Revision, Clinical Modification* (ICD-10-CM). However, certain codes have been combined in this table to better describe the use of ambulatory care services. Web tables presenting diagnosis estimates before 2016 used the *International Classification of Diseases, Ninth Revision, Clinical Modification* (ICD-9-CM) coding system. Substantial differences between ICD-9-CM and ICD-10-CM exist, so users should take caution when comparing diagnosis estimates in this table with those before 2016.

²The only codes in this category are U07.0 for Vaping-related disorder and U07.1 for COVID-19.

³Includes certain conditions originating in the perinatal period (P00-P96); congenital malformations, deformations and chromosomal abnormalities (Q00-Q99); external causes of morbidity (V00-Y99); and factors influencing health status and contact with health services (Z00-Z99).

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 11. Annual number and percent distribution of emergency department visits, by diagnosis group: United States, 2022

Primary diagnosis group ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits	155,398 (10,251)	100.0 ...
Certain infectious and parasitic diseases		
Septicemia (sepsis)	419 (82)	0.3 (0.1)
Human immunodeficiency virus syndrome (HIV, HIV+, HIV positive)	* ...	0.0 (0.0)
Viral warts, not sexually transmitted	* ...	* ...
Acute and chronic viral hepatitis B	* ...	* ...
Sexually transmitted infections, excluding viral hepatitis and HIV	* ...	0.1 (0.0)
Unspecified viral infection	2,288 (341)	1.5 (0.2)
Dermatophytosis	* ...	0.1 (0.1)
Candidiasis	* ...	0.2 (0.1)
Other systemic infectious and parasitic diseases	1,377 (184)	0.9 (0.1)
Neoplasms ²		
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism		
Anemias	789 (108)	0.5 (0.1)
Other diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	* ...	0.1 (0.0)
Endocrine, nutritional and metabolic diseases		
Disorders of thyroid gland, excluding acquired hypothyroidism	* ...	* ...
Type 1 diabetes mellitus	* ...	0.1 (0.0)
Type 2 diabetes mellitus or unspecified	564 (86)	0.4 (0.1)
Other types of diabetes mellitus	* ...	* ...
Other disorders of endocrine glands	* ...	0.1 (0.0)
Obesity	* ...	* ...
Hyperlipidemias	* ...	* ...
Volume depletion	855 (224)	0.6 (0.1)
Other nutritional deficiencies and metabolic disorders	923 (128)	0.6 (0.1)
Mental, behavioral and neurodevelopmental disorders		
Dementia, excluding Alzheimer disease	* ...	0.1 (0.0)
Alcohol-related disorders, excluding alcohol-related dementia and chronic alcoholic liver disease	1,439 (165)	0.9 (0.1)
Opioid-related disorders	* ...	0.1 (0.0)
Cocaine-related disorders	* ...	0.0 (0.0)
Other drug-related disorders excluding other drug-related dementia	719 (117)	0.5 (0.1)
Schizophrenia	284 (70)	0.2 (0.1)
Non-mood psychoses, excluding schizophrenia	434 (109)	0.3 (0.1)
Bipolar disorders, excluding those with depression	* ...	0.1 (0.0)
Bipolar disorders, with depression	* ...	* ...
Depressive disorders, excluding bipolar depression and adjustment reaction with depressed mood	606 (100)	0.4 (0.1)
Acute reaction to stress and adjustment reaction, excluding those with depressed mood	* ...	0.1 (0.0)
Acute reaction to stress and adjustment reaction with depressed mood	* ...	* ...
Eating disorders	* ...	* ...
Impulse disorders	* ...	* ...
Other mood disorders, nonpsychotic mental disorders, behavioral syndromes, and disorders of adult personality and behavior	1,424 (196)	0.9 (0.1)
Attention-deficit/hyperactivity disorders	* ...	0.0 (0.0)
Oppositional defiant disorder	* ...	* ...
Conduct disorders, excluding oppositional defiant disorder	* ...	0.0 (0.0)
Autism spectrum disorder	* ...	0.0 (0.0)
Cannabis-related disorders	* ...	0.1 (0.0)
Other mental disorders	* ...	0.1 (0.0)

See footnotes at end of table.

Table 11. Annual number and percent distribution of emergency department visits, by diagnosis group: United States, 2022—Con.

Primary diagnosis group ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
Diseases of the nervous system		
Alzheimer disease	* ...	* ...
Migraine	736 (130)	0.5 (0.1)
Transient cerebral ischemic attacks and related syndromes	* ...	0.2 (0.1)
Sleep disorders, excluding sleep apnea (adult, pediatric, obstructive) and non-organic sleep disorders	* ...	0.0 (0.0)
Obstructive sleep apnea (adult, pediatric), and sleep apnea, not otherwise specified	* ...	* ...
Carpal tunnel syndrome	* ...	* ...
Generalized pain and acute and chronic pain syndromes	698 (118)	0.4 (0.1)
Other disorders of the nervous system	1,124 (197)	0.7 (0.1)
Diseases of the eye and adnexa		
Inflammation and disorders of eyelids	* ...	0.1 (0.0)
Conjunctivitis	486 (102)	0.3 (0.1)
Other disorders of the eye and adnexa	582 (91)	0.4 (0.1)
Diseases of the ear and mastoid process		
Disorders of external ear	461 (108)	0.3 (0.1)
Otitis media and eustachian tube disorders	1,522 (293)	1.0 (0.2)
Other disorders of the ear and mastoid process	816 (141)	0.5 (0.1)
Diseases of the circulatory system		
Heart valve disorders	* ...	* ...
Essential hypertension	1,078 (155)	0.7 (0.1)
Hypertensive heart disease with heart failure	* ...	* ...
Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease or unspecified chronic kidney disease	* ...	* ...
Hypertensive heart and chronic kidney disease with heart failure with stage 1 through 4 chronic kidney disease or unspecified chronic kidney disease	* ...	* ...
Hypertensive heart and chronic kidney disease without heart failure with stage 1 through 4 chronic kidney disease or unspecified chronic kidney disease	* ...	* ...
Secondary hypertension	* ...	* ...
Hypertensive crisis	* ...	0.1 (0.0)
Angina pectoris	* ...	0.1 (0.0)
Acute myocardial infarction	378 (85)	0.2 (0.1)
Other acute and subacute ischemic heart disease	* ...	* ...
Coronary atherosclerosis and other chronic ischemic heart disease	* ...	* ...
Pulmonary heart disease and diseases of pulmonary circulation	* ...	0.1 (0.0)
Conduction disorders	* ...	* ...
Cardiac dysrhythmias, excluding ventricular fibrillation	814 (125)	0.5 (0.1)
Cardiac arrest and ventricular fibrillation	* ...	0.2 (0.1)
Heart failure, non-hypertensive	709 (121)	0.5 (0.1)
Pericarditis, endocarditis, myocarditis and cardiomyopathy	* ...	0.1 (0.0)
Other and ill-defined heart disease	* ...	0.0 (0.0)
Cerebrovascular disease	686 (119)	0.4 (0.1)
Diseases of the arteries, arterioles and capillaries	* ...	0.1 (0.0)
Varicose veins of lower extremity	* ...	* ...
Other disorder of circulatory system	607 (100)	0.4 (0.1)

See footnotes at end of table.

Table 11. Annual number and percent distribution of emergency department visits, by diagnosis group: United States, 2022—Con.

Primary diagnosis group ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
Diseases of the respiratory system		
Streptococcal pharyngitis and tonsillitis	* ...	0.4 (0.1)
Acute sinusitis	* ...	0.2 (0.1)
Acute pharyngitis, except streptococcal pharyngitis	1,383 (309)	0.9 (0.2)
Acute tonsillitis, except streptococcal tonsillitis	* ...	0.1 (0.0)
Influenza	1,443 (291)	0.9 (0.2)
Pneumonia due to infectious organism	1,231 (157)	0.8 (0.1)
Acute bronchitis and bronchiolitis	796 (150)	0.5 (0.1)
Other acute respiratory infections	3,454 (491)	2.2 (0.3)
Allergic rhinitis	* ...	0.1 (0.0)
Chronic sinusitis	* ...	0.1 (0.0)
Chronic diseases of tonsils and adenoids	* ...	* ...
Chronic and unspecified bronchitis	* ...	0.2 (0.1)
Bronchiectasis, emphysema and other chronic obstructive pulmonary disease, including chronic obstructive asthma	854 (146)	0.5 (0.1)
Asthma, excluding chronic obstructive asthma	1,415 (199)	0.9 (0.1)
Respiratory failure	295 (86)	0.2 (0.1)
Croup	450 (104)	0.3 (0.1)
Aspiration pneumonia	* ...	0.0 (0.0)
COVID-19 (Coronavirus disease 2019, SARS-CoV-2, Severe acute respiratory syndrome coronavirus 2)	5,096 (772)	3.3 (0.4)
Vaping-related disorder	* ...	* ...
Other diseases of the respiratory system	654 (97)	0.4 (0.1)
Diseases of the digestive system		
Diseases of the teeth and supporting structures, excluding dentofacial anomalies and disorders of the jaw		
Esophagitis without gastroesophageal reflux disease	1,377 (201)	0.9 (0.1)
Gastroesophageal reflux disease (with esophagitis)	* ...	0.0 (0.0)
Other diseases of the esophagus	436 (109)	0.3 (0.1)
Ulcers of stomach and small intestine	* ...	* ...
Gastritis and duodenitis	* ...	0.0 (0.0)
Appendicitis	335 (65)	0.2 (0.0)
Diaphragmatic hernia	440 (98)	0.3 (0.1)
Hernias of abdominal cavity, except diaphragmatic hernia	* ...	* ...
Crohn's disease and ulcerative colitis	311 (82)	0.2 (0.1)
Other and unspecified noninfectious enteritis and colitis	* ...	0.1 (0.0)
Intestinal obstructions	944 (147)	0.6 (0.1)
Diverticula of intestine	367 (89)	0.2 (0.1)
Irritable bowel syndrome	336 (70)	0.2 (0.0)
Constipation	* ...	* ...
Anal and rectal diseases	815 (121)	0.5 (0.1)
Hemorrhoids and perianal venous thrombosis	684 (131)	0.4 (0.1)
Alcoholic liver disease	* ...	0.2 (0.1)
Other diseases of the liver	* ...	0.0 (0.0)
Disorders of gallbladder and biliary tract	* ...	0.2 (0.1)
Diseases of the pancreas	462 (99)	0.3 (0.1)
Unspecified gastrointestinal bleeding	315 (81)	0.2 (0.1)
Other diseases of the digestive system	354 (68)	0.2 (0.0)
Other diseases of the digestive system	431 (91)	0.3 (0.1)
Diseases of the skin and subcutaneous tissue		
Cellulitis	1,772 (221)	1.1 (0.1)
Cutaneous abscess	887 (172)	0.6 (0.1)
Other local infections of the skin and subcutaneous tissue	511 (101)	0.3 (0.1)
Contact dermatitis and other eczema	* ...	0.1 (0.0)
Psoriasis and other similar disorders	* ...	* ...
Urticaria	* ...	0.2 (0.0)
Other inflammatory conditions of skin and subcutaneous tissue	291 (83)	0.2 (0.1)
Actinic keratosis and other sun exposure-related disorders	* ...	* ...
Acne	* ...	* ...
Sebaceous cyst	* ...	* ...
Corns, callosities and other hypertrophic and atrophic skin condition	* ...	* ...
Pressure ulcers	* ...	* ...
Other disorders of the skin and subcutaneous tissue	331 (88)	0.2 (0.1)

See footnotes at end of table.

Table 11. Annual number and percent distribution of emergency department visits, by diagnosis group: United States, 2022—Con.

Primary diagnosis group ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
Diseases of the musculoskeletal system and connective tissue		
Rheumatoid arthritis	* ...	* ...
Infectious and inflammatory arthropathies, excluding rheumatoid and juvenile arthritis	* ...	0.1 (0.0)
Osteoarthritis	* ...	0.2 (0.1)
Acquired deformities of fingers and toes	* ...	* ...
Internal derangement of knee	* ...	* ...
Other joint disorders	2,802 (335)	1.8 (0.2)
Spinal stenosis	* ...	* ...
Spondylopathies, excluding spinal stenosis	* ...	0.1 (0.1)
Intervertebral disc disorders	* ...	0.0 (0.0)
Low back pain, unspecified	1,087 (185)	0.7 (0.1)
Other conditions of the spine and back, excluding low back pain	2,626 (322)	1.7 (0.2)
Synovitis and tenosynovitis	* ...	* ...
Soft tissue disorders related to use, overuse and pressure	431 (115)	0.3 (0.1)
Ganglion and cyst of synovium, tendon and bursa	* ...	0.0 (0.0)
Myalgia and myositis, unspecified	* ...	0.1 (0.0)
Disorders of bone and cartilage, excluding osteoporosis	* ...	0.2 (0.1)
Other diseases of the musculoskeletal system and connective tissue	2,679 (322)	1.7 (0.2)
Diseases of the genitourinary system		
Nephritis, nephrotic syndrome, and nephrosis	* ...	* ...
Infections of kidney	390 (112)	0.3 (0.1)
Acute kidney failure	541 (107)	0.3 (0.1)
Chronic kidney disease, excluding end stage renal disease	* ...	0.1 (0.1)
End stage renal disease	* ...	0.2 (0.1)
Unspecified kidney failure, including uremia, not otherwise specified	* ...	* ...
Calculus of kidney and ureter	854 (126)	0.5 (0.1)
Cystitis	725 (142)	0.5 (0.1)
Urinary tract infection, site not specified	1,655 (217)	1.1 (0.1)
Stress and other specified urinary incontinence, excluding functional	504 (110)	0.3 (0.1)
Other diseases of the urinary system	* ...	0.0 (0.0)
Benign prostatic hyperplasia	* ...	* ...
Disorders of prepuce	454 (93)	0.3 (0.1)
Other disorders of male genital organs	* ...	* ...
Unspecified lump or mass in breast	* ...	0.1 (0.0)
Disorders of the breast, excluding unspecified lump or mass	397 (87)	0.3 (0.1)
Inflammatory disease of female pelvic organs	* ...	* ...
Genital prolapse (female)	* ...	* ...
Other noninflammatory disorders of female genital organs	245 (70)	0.2 (0.1)
Disorders of menstruation and abnormal bleeding	598 (118)	0.4 (0.1)
Menopausal and postmenopausal disorders	* ...	* ...
Other disorders of female genital tract	* ...	0.1 (0.0)
Complications of pregnancy, childbirth, and the puerperium		
Non-uterine pregnancy	* ...	0.0 (0.0)
Missed abortion	* ...	* ...
Encounter for supervision of high-risk pregnancy	* ...	0.0 (0.0)
Early or threatened labor	* ...	0.0 (0.0)
Encounter for full-term uncomplicated delivery	* ...	0.0 (0.0)
Encounter for supervision of normal pregnancy	231 (65)	0.1 (0.0)
Other encounter related to pregnancy, excluding incidental pregnancy	* ...	0.1 (0.0)
Postpartum care and examination	* ...	* ...
Other complications of pregnancy	2,232 (301)	1.4 (0.2)
Complications of childbirth (includes labor and delivery)	* ...	0.0 (0.0)
Complications of the puerperium	* ...	* ...
Certain other conditions originating in the perinatal period	* ...	0.0 (0.0)

See footnotes at end of table.

Table 11. Annual number and percent distribution of emergency department visits, by diagnosis group: United States, 2022—Con.

Primary diagnosis group ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
Congenital anomalies		
Congenital anomalies	* ...	0.1 (0.0)
Symptoms, signs, and ill-defined conditions		
Abnormal heart beat and heart sounds	748 (105)	0.5 (0.1)
Epistaxis	471 (117)	0.3 (0.1)
Cough, unspecified	1,746 (252)	1.1 (0.1)
Dyspnea and respiratory abnormalities	1,754 (243)	1.1 (0.2)
Chest pain	5,896 (549)	3.8 (0.3)
Abdominal pain	7,366 (646)	4.7 (0.3)
Fecal incontinence	* ...	* ...
Unspecified jaundice, edema and other non-specific skin symptoms	1,722 (278)	1.1 (0.2)
Hematuria	* ...	0.2 (0.1)
Symptoms involving the genitourinary system, excluding hematuria and urinary incontinence	665 (129)	0.4 (0.1)
Vertigo and lightheadedness	1,311 (162)	0.8 (0.1)
Fever of other and unknown origin	1,909 (346)	1.2 (0.2)
Headache, unspecified	2,041 (260)	1.3 (0.2)
Malaise and fatigue	846 (120)	0.5 (0.1)
Syncope and collapse	1,682 (193)	1.1 (0.1)
Convulsions and seizures, not elsewhere classified	838 (128)	0.5 (0.1)
Unspecified nausea, vomiting, diarrhea	3,665 (367)	2.4 (0.2)
Other symptoms, signs, abnormal findings and ill-defined conditions	6,238 (611)	4.0 (0.3)
Injury and poisoning		
Injury of eye and orbit	276 (67)	0.2 (0.0)
Contusions (bruise, hematoma), excluding face and head	1,881 (243)	1.2 (0.1)
Contusions (bruise, hematoma) of face and head	728 (126)	0.5 (0.1)
Superficial injuries, excluding contusions (abrasion, blister, external constriction, splinter, superficial bite)	778 (148)	0.5 (0.1)
Head injury, not otherwise specified	1,340 (159)	0.9 (0.1)
Open wound of head	1,557 (215)	1.0 (0.1)
Open wound of wrist, hand and fingers	1,692 (257)	1.1 (0.2)
Open wound of hip and lower limb	923 (139)	0.6 (0.1)
Open wound, excluding head, hand, fingers, lower limb and internal organs	497 (106)	0.3 (0.1)
Traumatic fracture of shoulder and upper arm (clavicle, scapula, humerus)	417 (62)	0.3 (0.0)
Traumatic fracture of forearm (radius and ulna)	482 (93)	0.3 (0.1)
Traumatic fracture of wrist, hand and fingers (carpal, metacarpals, phalanges)	624 (102)	0.4 (0.1)
Traumatic fracture of hip (head and neck of femur)	* ...	0.1 (0.0)
Traumatic fracture of ankle (medial malleolus, lateral malleolus, bimalleolar, trimalleolar)	* ...	0.1 (0.0)
Traumatic fracture of leg, foot and toes, excluding hip and ankle (femur, patella, tibia, fibula, tarsals, metatarsals, phalanges)	1,078 (129)	0.7 (0.1)
Other traumatic fractures (skull, facial bones, vertebrae, ribs, sternum, pelvis)	1,100 (138)	0.7 (0.1)
Dislocations, excluding tear of medial meniscus	509 (92)	0.3 (0.1)
Sprains and strains of neck	467 (138)	0.3 (0.1)
Sprains and strains of back	454 (80)	0.3 (0.1)
Sprains and strains of wrist and hand	257 (72)	0.2 (0.0)
Sprains and strains of knee	* ...	0.2 (0.0)
Sprains and strains of ankle	876 (153)	0.6 (0.1)
Sprain and strains, excluding neck, back, wrist, hand, knee, ankle	597 (119)	0.4 (0.1)
Concussion	381 (84)	0.2 (0.1)
Intracranial injury, excluding concussion	* ...	0.2 (0.0)
Internal injury of chest, abdomen and pelvis	* ...	0.0 (0.0)
Other injuries, excluding burns and poisonings	3,093 (351)	2.0 (0.2)
Burns and corrosions, external and internal, excluding sunburn	301 (73)	0.2 (0.0)
Poisoning (overdose or wrong substance given or taken in error) due to drugs and biological substances, accidental (unintentional)	441 (86)	0.3 (0.1)

See footnotes at end of table.

Table 11. Annual number and percent distribution of emergency department visits, by diagnosis group: United States, 2022—Con.

Primary diagnosis group ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
Poisoning (overdose or wrong substance given or taken in error) due to drugs and biological substances, intentional self-harm	* ...	0.1 (0.0)
Poisoning (overdose or wrong substance given or taken in error) due to drugs and biological substances, undetermined intent	* ...	0.1 (0.0)
Adverse effects (of correct substance properly administered) of drugs and biological substances.	* ...	0.1 (0.1)
Underdosing (deliberately or inadvertently taking less than the prescribed or recommended dose) of drugs and biological substances	* ...	* ...
Toxic effects of substances chiefly non-medical, accidental (unintentional)	* ...	0.2 (0.1)
Toxic effects of substances chiefly non-medical, intentional self-harm	* ...	* ...
Toxic effects of substances chiefly non-medical, assault	* ...	* ...
Toxic effects of substances chiefly non-medical, undetermined	* ...	* ...
Other and unspecified effects of external causes	1,184 (175)	0.8 (0.1)
Complications of surgical and medical care	1,513 (245)	1.0 (0.1)
Factors influencing health status and contact with health services		
Encounter for general adult medical examinations, including routine gynecological examination.	254 (59)	0.2 (0.0)
Encounter for routine newborn health examination.	* ...	* ...
Encounter for routine child examination, excluding newborns	* ...	0.1 (0.0)
Encounter for observation and evaluation for suspected conditions ruled out	813 (151)	0.5 (0.1)
Encounter for specific procedures and aftercare and follow up examination after completed treatment, excluding for injuries.	1,357 (214)	0.9 (0.1)
Potential health hazards related to communicable diseases.	888 (170)	0.6 (0.1)
Personal history of pulmonary embolism and other venous thrombosis and embolism	* ...	* ...
Potential health hazards related to personal and family history, excluding personal history of pulmonary embolism and personal history of cerebral infarction or transient ischemic attack without residual deficits	* ...	0.1 (0.0)
Other factors influencing health status and contact with health services.	3,539 (453)	2.3 (0.3)
Uncodable entries ³	1,425 (356)	0.9 (0.2)
Unknown or blank	2,081 (382)	1.3 (0.2)

... Category not applicable.

0.0 Quantity more than zero but less than 0.05.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹Based on the *International Classification of Diseases, 10th Revision, Clinical Modification* (ICD-10-CM). Codes have been combined in this table according to the National Center for Health Statistics Diagnosis Master Category List. For a list of ICD-10-CM codes corresponding to a specific diagnosis group, refer to the Diagnosis Master Category List document, available from: https://www.cdc.gov/nchs/data/ahcd/Reclass_ICD_10_CM_tables.pdf. Web tables presenting diagnosis estimates before 2016 used the *International Classification of Diseases, Ninth Revision, Clinical Modification* (ICD-9-CM) coding system. Due to substantial differences between ICD-9-CM and ICD-10-CM, caution is advised when comparing diagnosis estimates in this table with those from before 2016.

²Diagnosis groups for this chapter are not shown due to low sample sizes.

³Includes illegible diagnosis, left before being seen, walked out, eloped, left against medical advice, and entries of "none," "no diagnosis," "no disease," and "healthy" as the only entry in the diagnosis item.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 12. Presence of chronic conditions at emergency department visits: United States, 2022

Chronic condition ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits	155,398 (10,251)	100.0 ...
Alcohol misuse, abuse, or dependence	6,213 (530)	4.0 (0.3)
Alzheimer disease or dementia	2,851 (373)	1.8 (0.2)
Asthma	14,667 (973)	9.4 (0.4)
Cancer	6,894 (655)	4.4 (0.3)
Cerebrovascular disease or history of stroke or transient ischemic attack	6,417 (632)	4.1 (0.3)
Chronic kidney disease	6,417 (622)	4.1 (0.3)
Chronic obstructive pulmonary disease	8,865 (884)	5.7 (0.5)
Congestive heart failure	6,704 (676)	4.3 (0.4)
Coronary artery disease, ischemic heart disease or history of myocardial infarction	10,161 (1,000)	6.5 (0.5)
Depression	17,378 (1,525)	11.2 (0.7)
Diabetes mellitus—Type 1	1,254 (215)	0.8 (0.1)
Diabetes mellitus—Type 2	11,327 (1,178)	7.3 (0.6)
Diabetes mellitus—Type unspecified	8,748 (985)	5.6 (0.5)
End-stage renal disease	1,869 (259)	1.2 (0.2)
History of pulmonary embolism, deep vein thrombosis, or venous thromboembolism	3,068 (371)	2.0 (0.2)
HIV (human immunodeficiency virus) or AIDS (acquired immune deficiency syndrome)	654 (124)	0.4 (0.1)
Hyperlipidemia	20,155 (1,819)	13.0 (0.8)
Hypertension	43,714 (3,680)	28.1 (1.5)
Obesity	11,013 (1,518)	7.1 (0.9)
Obstructive sleep apnea	5,139 (622)	3.3 (0.3)
Osteoporosis	1,634 (206)	1.1 (0.1)
Substance abuse or dependence	10,614 (1,291)	6.8 (0.7)
None of the above	71,655 (5,488)	46.1 (1.7)
Blank	*2,732 (1,492)	1.8 (0.9)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%.

¹Presence of chronic conditions is based on the checklist of chronic conditions and reported diagnoses.

NOTES: Numbers may not add to totals due to rounding. Total number of visits exceeds "All visits" and percent of visits exceeds 100% because more than one chronic condition may be reported per visit.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 13. Injury visits to emergency departments, by selected patient and hospital characteristics: United States, 2022

Patient and hospital characteristics	Number of visits (standard error) in thousands	Percent distribution (standard error)	Number of visits per 100 people ¹ (standard error)
All injury visits ²	39,629 (2,825)	100.0 ...	12.1 (0.9)
Age group (years)			
Under 15	6,266 (741)	15.8 (1.7)	10.5 (1.2)
Under 1	412 (92)	1.0 (0.2)	11.2 (2.5)
1–4	2,092 (277)	5.3 (0.7)	14.1 (1.9)
5–14	3,761 (513)	9.5 (1.2)	9.2 (1.3)
15–24	6,698 (712)	16.9 (1.1)	15.4 (1.6)
25–44	9,533 (823)	24.1 (1.3)	10.9 (0.9)
45–64	8,728 (742)	22.0 (1.0)	10.7 (0.9)
65 and older	8,405 (917)	21.2 (1.7)	14.9 (1.6)
65–74	3,714 (440)	9.4 (0.9)	11.1 (1.3)
75 and older	4,691 (566)	11.8 (1.1)	20.5 (2.5)
Sex and age group (years)			
Female	19,168 (1,490)	48.4 (1.1)	11.5 (0.9)
Under 15	2,963 (403)	7.5 (1.0)	10.2 (1.4)
15–24	3,025 (378)	7.6 (0.7)	14.0 (1.8)
25–44	4,118 (486)	10.4 (0.8)	9.4 (1.1)
45–64	4,220 (375)	10.7 (0.6)	10.2 (0.9)
65–74	1,994 (283)	5.0 (0.6)	11.2 (1.6)
75 and older	2,848 (362)	7.2 (0.7)	21.7 (2.8)
Male	20,461 (1,453)	51.6 (1.1)	12.6 (0.9)
Under 15	3,303 (400)	8.3 (0.9)	10.9 (1.3)
15–24	3,673 (422)	9.3 (0.7)	16.7 (1.9)
25–44	5,415 (450)	13.7 (0.9)	12.4 (1.0)
45–64	4,508 (447)	11.4 (0.7)	11.2 (1.1)
65–74	1,719 (226)	4.3 (0.5)	10.9 (1.4)
75 and older	1,843 (249)	4.7 (0.5)	18.9 (2.6)
Geographic region			
Northeast	5,990 (858)	15.1 (2.1)	10.6 (1.5)
Midwest	8,346 (941)	21.1 (2.4)	12.3 (1.4)
South	15,934 (2,291)	40.2 (3.9)	12.6 (1.8)
West	9,359 (1,071)	23.6 (2.6)	12.0 (1.4)

... Category not applicable.

¹Visit rates for age, sex, and region are based on the July 1, 2022, set of estimates of the U.S. civilian noninstitutionalized population as developed by the U.S. Census Bureau, Population Division.²The definition of injury changed in 2016 due to the switch from the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM) coding system for diagnosis data to the *International Classification of Diseases, 10th Revision, Clinical Modification* (ICD-10-CM) coding system. Before 2016, injury visits were based on ICD-9-CM. In 2022, injury visits are based on ICD-10-CM and information indicating that the visit is related to an injury, trauma, overdose, or poisoning according to the Patient Record Form (PRF) item, "Is this visit related to an injury/trauma, overdose/poisoning, or adverse effect of medical/surgical treatment?" and further consideration of values for visits with no concrete evidence of injury. "All injury visits" includes any-listed reason for visit and diagnosis codes related to injury and poisoning. Injury visits do not include adverse effects and complication codes. Using this definition, injury visits represent 25.5% of all emergency department visits. For more details, see the 2022 NHAMCS public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 14. Injury visits to emergency departments, by race, age, and ethnicity: United States, 2022

Patient characteristic	Number of visits (standard error) in thousands	Percent distribution (standard error)	Number of visits per 100 people ¹ (standard error)
All injury visits ²	39,629 (2,825)	100.0 ...	12.1 (0.9)
Race ³ and age group (years)			
White	29,584 (2,169)	74.7 (1.9)	11.9 (0.9)
Under 15	4,479 (506)	11.3 (1.1)	10.8 (1.2)
15–24	4,791 (538)	12.1 (0.9)	15.1 (1.7)
25–44	6,767 (546)	17.1 (0.8)	10.5 (0.8)
45–64	6,430 (563)	16.2 (0.9)	10.1 (0.9)
65–74	3,051 (390)	7.7 (0.8)	11.1 (1.4)
75 and older	4,066 (480)	10.3 (0.9)	21.0 (2.5)
Black or African American	8,413 (1,033)	21.2 (1.9)	19.0 (2.3)
Under 15	1,463 (324)	3.7 (0.8)	15.8 (3.5)
15–24	1,580 (265)	4.0 (0.5)	24.6 (4.1)
25–44	2,468 (386)	6.2 (0.8)	19.6 (3.1)
45–64	1,870 (315)	4.7 (0.6)	18.0 (3.0)
65–74	570 (131)	1.4 (0.3)	16.0 (3.7)
75 and older	461 (99)	1.2 (0.2)	23.5 (5.0)
Other race groups ⁴	1,633 (255)	4.1 (0.6)	4.5 (0.7)
Ethnicity ³			
Hispanic or Latino	6,332 (678)	16.0 (1.5)	10.0 (1.1)
Not Hispanic or Latino	33,297 (2,573)	84.0 (1.5)	12.5 (1.0)
White	23,938 (1,930)	60.4 (2.0)	12.4 (1.0)
Black or African American	7,841 (967)	19.8 (1.8)	19.1 (2.4)
Other race groups ⁴	1,519 (255)	3.8 (0.6)	4.9 (0.8)

... Category not applicable.

¹Visit rates are based on the July 1, 2022, estimates of the U.S. civilian noninstitutional population as developed by the U.S. Census Bureau, Population Division.

²The definition of injury changed in 2016 due to the switch from the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD–9–CM) coding system for diagnosis data to the *International Classification of Diseases, 10th Revision, Clinical Modification* (ICD–10–CM) coding system. Before 2016, injury visits were based on ICD–9–CM. In 2022, injury visits are based on ICD–10–CM and information indicating that the visit is related to an injury, trauma, overdose, or poisoning according to the Patient Record Form (PRF) item, "Is this visit related to an injury/trauma, overdose/poisoning, or adverse effect of medical/surgical treatment?" and further consideration of values for visits with no concrete evidence of injury. "All injury visits" includes any-listed reason for visit and diagnosis codes related to injury and poisoning. Injury visits do not include adverse effects and complication codes. Using this definition, injury visits represent 25.5% of all emergency department visits. For more details, see the 2022 NHAMCS public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

³The race groups White, Black or African American, and Other race groups include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. For 2022, race data were missing for 15.3% of injury visits, and ethnicity data were missing for 16.3% of injury visits. The National Center for Health Statistics uses model-based single imputation for NHAMCS race and ethnicity data. The race imputation is restricted to three categories (White, Black, and Other race groups) based on research by an internal work group and on quality concerns with imputed estimates for race categories other than White or Black. The imputation technique is detailed in the 2022 NHAMCS public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

⁴Includes the categories of Asian, Native Hawaiian or Other Pacific Islander, American Indian or Alaska Native, and people with more than one race.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 15. Emergency department visits related to injury, poisoning, and adverse effect, by intent: United States, 2022

Intent ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All injury visits related to injury, poisoning, and adverse effect ²	43,457 (3,074)	100.0 ...
Unintentional	26,190 (1,943)	60.3 (1.5)
Self-harm	616 (104)	1.4 (0.2)
Assault	1,814 (286)	4.2 (0.5)
Undetermined or other ³	1,109 (173)	2.6 (0.3)
Blank cause	13,727 (1,132)	31.6 (1.5)

... Category not applicable.

¹Based on the proposed ICD-10-CM External Cause of Injury Matrix. For more information, see the report located at: https://www.cdc.gov/injury/wisqars/pdf/ICD-10-CM_External_Cause_Injury_Codes-a.pdf.

²The definition of visits related to injury, poisoning, and adverse effects changed in 2016 due to the switch from the *International Classification of Diseases, Ninth Revision, Clinical Modification* (ICD-9-CM) coding system for diagnosis data to the ICD-10-CM coding system. In years prior to 2016, injury visits were based on ICD-9-CM. Starting in 2016, injury visits were based on ICD-10-CM and information indicating that the visit is related to an injury, trauma, overdose, poisoning, or adverse effect of medical or surgical treatment based on the Patient Record Form (PRF) item, "Is this visit related to an injury/trauma, overdose/poisoning, or adverse effect of medical/surgical treatment?", with further consideration of values for visits with no concrete evidence of injury. Using this definition, injury visits accounted for 28.0% (SE=0.8%) of all emergency department visits in 2022.

³Other includes certain diagnosis codes for injury visits not captured using the ICD-10-CM external-cause matrix. Common diagnoses in this group include medical and surgical complications, activity of person seeking health care (such as a heart attack while shoveling snow, which resulted from, or was contributed to, by the activity), place of occurrence of external cause, legal intervention, and war. For more details, see the 2022 NHAMCS Public Use Data File documentation, available at: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 16. Emergency department visits related to injury, poisoning, and adverse effect, by mechanism: United States, 2022

Mechanism ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All injury visits related to injury, poisoning, and adverse effect ²	43,457 (3,074)	100.0 ...
Cut or pierce	2,053 (223)	4.7 (0.4)
Drowning or submersion	*	* ...
Fall	10,927 (933)	25.1 (1.2)
Fire or burn	*263 (81)	0.6 (0.2)
Fire or flame	* ...	0.1 (0.1)
Hot object or substance	* ...	0.5 (0.2)
Firearm	* ...	0.5 (0.1)
Machinery	* ...	0.3 (0.1)
All transportation	4,808 (557)	11.1 (0.8)
Motor vehicle—traffic	3,848 (455)	8.9 (0.7)
Motor vehicle—nontraffic	437 (112)	1.0 (0.2)
Pedal cyclist, other	323 (84)	0.7 (0.2)
Pedestrian, other	* ...	* ...
Other land transport	* ...	0.3 (0.1)
Other transport	* ...	* ...
Natural or environmental ³	1,496 (237)	3.4 (0.4)
Overexertion	1,993 (209)	4.6 (0.5)
Struck by or against	4,172 (438)	9.6 (0.7)
Other specified ⁴	1,193 (159)	2.7 (0.3)
Unspecified or other ⁵	2,410 (294)	5.5 (0.6)
Blank cause	13,727 (1,132)	31.6 (1.5)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions," (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

0.0 Quantity more than zero but less than 0.05.

¹Based on the proposed *International Classification of Diseases, 10th Revision, Clinical Modification* (ICD-10-CM) External Cause of Injury Matrix. For more information, see the report, available from: https://www.cdc.gov/injury/wisqars/pdf/ICD-10-CM_External_Cause_Injury_Codes-a.pdf.

²The definition of visits related to injury, poisoning, and adverse effects changed in 2016 due to the switch from the *International Classification of Diseases, Ninth Revision, Clinical Modification* (ICD-9-CM) coding system for diagnosis data to the ICD-10-CM coding system. Before 2016, injury visits were based on ICD-9-CM. Starting in 2016, injury visits are based on ICD-10-CM and information indicating that the visit is related to an injury, trauma, overdose, poisoning, or adverse effect of medical or surgical treatment according to the Patient Record Form item, "Is this visit related to an injury/trauma, overdose/poisoning, or adverse effect of medical/surgical treatment?" and additional consideration of values for visits with no concrete evidence of injury. Using this definition, injury visits accounted for 28.0% (SE = 0.8) of all emergency department visits in 2022.

³Includes bites and stings (venomous and nonvenomous), natural or environmental, and other.

⁴Includes child or adult abuse, foreign body, classifiable, and not elsewhere classifiable.

⁵Other includes certain diagnosis codes for injury visits not captured using the ICD-10-CM external-cause matrix. Common diagnoses in this group include medical and surgical complications, activity of person seeking health care (such as a heart attack while shoveling snow, which resulted from, or was contributed to, by the activity), and place of occurrence of external cause. For more details, see the 2022 NHAMCS public-use data file documentation, available from: https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc22-ed-508.pdf.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 17. Selected diagnostic and screening services ordered or provided at emergency department visits: United States, 2022

Diagnostic and screening services ordered or provided	Number of visits ¹ (standard error) in thousands	Percent of visits (standard error)
All visits	155,398 (10,251)	... ..
One or more diagnostic or screening service listed	122,955 (8,098)	79.1 (1.4)
None	29,304 (2,743)	18.9 (1.2)
Blank	*3,139 (1,705)	* ..
Blood tests		
Complete blood count	67,772 (5,048)	43.6 (2.0)
Creatinine or renal function panel	4,913 (991)	3.2 (0.6)
Glucose, serum	9,246 (863)	5.9 (0.6)
Electrolytes	*1,746 (528)	1.1 (0.3)
Prothrombin time (PT/PTT/INR) ²	14,313 (1,925)	9.2 (1.1)
Liver enzymes or hepatic function panel	5,053 (835)	3.3 (0.6)
Cardiac enzymes	10,149 (1,272)	6.5 (0.8)
Comprehensive metabolic panel	51,251 (4,630)	33.0 (2.0)
Blood culture	8,423 (836)	5.4 (0.6)
Brain natriuretic peptide	6,982 (893)	4.5 (0.5)
D-dimer	4,923 (622)	3.2 (0.4)
Arterial blood gases	3,159 (635)	2.0 (0.4)
Blood alcohol concentration	4,228 (570)	2.7 (0.4)
Basic metabolic panel	17,973 (1,555)	11.6 (1.0)
Lactate	7,359 (1,057)	4.7 (0.6)
Other blood test	37,468 (4,085)	24.1 (2.3)
Any blood test listed	73,854 (5,054)	47.5 (2.0)
Imaging		
X-ray	57,058 (4,384)	36.7 (1.2)
Computed tomography (CT) scan	36,287 (3,112)	23.4 (1.4)
Abdomen or pelvis	15,067 (1,324)	9.7 (0.7)
Chest	5,144 (605)	3.3 (0.3)
Head	15,978 (1,541)	10.3 (0.7)
Other	8,469 (1,021)	5.5 (0.6)
Intravenous (IV) contrast with CT	11,366 (1,188)	7.3 (0.7)
Ultrasound	9,935 (961)	6.4 (0.5)
Magnetic resonance imaging (MRI) scan	2,368 (490)	1.5 (0.3)
IV contrast with MRI	288 (73)	0.2 (0.0)
Other imaging	1,875 (559)	1.2 (0.3)
Any imaging	82,906 (6,026)	53.4 (1.7)
Examinations and tests		
Cardiac monitor	16,544 (2,696)	10.6 (1.7)
Urinalysis or urine dipstick	37,212 (2,898)	23.9 (1.2)
Electrocardiogram	41,393 (3,228)	26.6 (1.3)
Urine culture	18,817 (2,032)	12.1 (1.1)
Pregnancy or HCG test ³	14,104 (1,351)	9.1 (0.6)
Toxicology screen	7,921 (761)	5.1 (0.4)
Influenza test	16,985 (2,451)	10.9 (1.2)
Throat culture	1,302 (201)	0.8 (0.1)
Wound culture	537 (103)	0.3 (0.1)
Other culture	1,428 (253)	0.9 (0.1)
HIV test	1,170 (262)	0.8 (0.2)
Other test or service	24,858 (3,543)	16.0 (2.0)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

0.0 Quantity more than zero but less than 0.05

¹Total number of visits exceeds "All visits" and percent of visits exceeds 100% because more than one service may be reported per visit.

²PTT is partial thromboplastin time. INR is international normalized ratio.

³HCG is human chorionic gonadotropin.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 18. Selected procedures at emergency department visits: United States, 2022

Procedure performed	Number of visits ¹ (standard error) in thousands	Percent of visits (standard error)
All visits	155,398 (10,251)	... ..
One or more procedures listed	63,995 (5,004)	41.2 (2.3)
Intravenous fluids	41,358 (3,600)	26.6 (1.6)
Cast, splint, wrap	6,214 (578)	4.0 (0.3)
Suturing or staples	3,364 (364)	2.2 (0.2)
Incision and drainage	1,190 (188)	0.8 (0.1)
Nebulizer therapy	4,346 (562)	2.8 (0.4)
Bladder catheter	2,064 (302)	1.3 (0.2)
Pelvic examination	1,492 (330)	1.0 (0.2)
Central line	*1,843 (1,059)	1.2 (0.7)
Cardiopulmonary resuscitation (CPR)	* ...	0.1 (0.0)
Endotracheal intubation	422 (103)	0.3 (0.1)
Skin adhesives	1,659 (265)	1.1 (0.2)
BiPAP or CPAP ²	*881 (424)	0.6 (0.3)
Lumbar puncture	* ...	0.1 (0.0)
Other ³	14,642 (2,467)	9.4 (1.5)
None ⁴	85,864 (7,186)	55.3 (2.4)
Blank ⁵	*5,539 (2,371)	* ...

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

0.0 Quantity more than zero but less than 0.05.

¹Total exceeds "All visits" and percentage exceeds 100% because more than one service may be reported per visit.

²BiPAP is variable or bilevel positive airway pressure, and CPAP is continuous positive airway pressure.

³Includes all other procedures not listed above.

⁴The "None" checkbox was marked on the Patient Record Form (PRF).

⁵No checkboxes were marked on PRF.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 19. Medication therapy and number of medications mentioned at emergency department visits: United States, 2022

Medication therapy ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits	155,398 (10,251)	100.0 ...
Visits with mention of medication ²	120,287 (8,054)	77.4 (1.5)
Visits without mention of medication	35,111 (3,415)	22.6 (1.5)
Number of medications provided or prescribed ³		
0.	35,111 (3,415)	22.6 (1.5)
1.	30,684 (2,250)	19.7 (0.7)
2.	27,466 (2,074)	17.7 (0.7)
3.	20,457 (1,631)	13.2 (0.5)
4.	13,820 (1,068)	8.9 (0.4)
5.	9,150 (815)	5.9 (0.4)
6.	5,158 (551)	3.3 (0.3)
7.	3,826 (422)	2.5 (0.2)
8.	2,398 (333)	1.5 (0.2)
9.	1,866 (273)	1.2 (0.2)
10.	958 (205)	0.6 (0.1)
11.	859 (193)	0.6 (0.1)
12.	698 (182)	0.4 (0.1)
13 or more	2,950 (672)	1.9 (0.4)

... Category not applicable.

¹Includes prescription drugs, over-the-counter preparations, immunizations, and desensitizing agents.

²Visits at which one or more drugs were given in the emergency department or prescribed at discharge (up to 30 per visit). Also defined as drug visit.

³There were 407,461,000 drug mentions at ED visits in 2022. The average drug mention rate was 2.6 drug mentions per ED visit. For visits with at least one drug mention, the average drug visit rate was 3.4 drugs per visit.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 20. Twenty most frequently mentioned drugs at emergency department visits, by therapeutic drug category: United States, 2022

Drug category ¹	Number of occurrences (standard error) in thousands	Percent of drug mentions ² (standard error)
Analgesics ³	95,738 (6,504)	22.8 (0.8)
Minerals and electrolytes	51,666 (5,073)	12.3 (0.8)
Antiemetic/antivertigo agents	40,221 (3,228)	9.6 (0.3)
Miscellaneous respiratory agents	39,254 (4,340)	9.3 (0.7)
Anxiolytics, sedatives, and hypnotics	15,376 (1,342)	3.7 (0.2)
Cephalosporins	14,257 (1,292)	3.4 (0.2)
Bronchodilators	13,446 (1,429)	3.2 (0.2)
Anticonvulsants	12,257 (1,344)	2.9 (0.2)
Adrenal cortical steroids	11,659 (1,163)	2.8 (0.2)
Antihistamines	11,087 (1,236)	2.6 (0.2)
Antiarrhythmic agents	10,014 (822)	2.4 (0.1)
Radiocontrast agents	9,976 (1,166)	2.4 (0.2)
Local injectable anesthetics	9,797 (740)	2.3 (0.2)
Dermatological agents	8,836 (886)	2.1 (0.1)
Penicillins	8,474 (871)	2.0 (0.2)
Laxatives	7,627 (807)	1.8 (0.1)
Antiplatelet agents	7,149 (977)	1.7 (0.2)
Proton pump inhibitors	6,191 (888)	1.5 (0.1)
Muscle relaxants	5,992 (754)	1.4 (0.1)
Antidiabetic agents	5,473 (833)	1.3 (0.1)

¹Based on Cerner Multum second-level therapeutic drug category (see <https://www.cerner.com/solutions/drug-database>).

²Based on an estimated 420,320,000 drug mentions at emergency department (ED) visits in 2022. Drug mentions are medications given in EDs or prescribed at discharge.

³Includes narcotics (6.6%), nonsteroidal anti-inflammatory drugs (8.3%), and other analgesics (including salicylates, analgesic combinations, antimigraine agents, Cox-2 inhibitors, and miscellaneous analgesics) (7.9%).

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 21. Twenty most frequently mentioned drugs at emergency department visits: United States, 2022

Drug name ¹	Number of drug mentions (standard error) in thousands	Percent distribution (standard error)	Percent of drug mentions (standard error)					Therapeutic drug category ³
			Total	Given in emergency department	Prescribed at discharge	Both given in emergency department and prescribed at discharge	Unknown ²	
All drug mentions	420,320 (33,446)	100.0 (0.0)	100.0	58.7 (3.0)	29.6 (3.1)	9.9 (1.7)	1.8 (1.2)	...
Sodium chloride	39,222 (4,340)	9.3 (0.7)	100.0	98.9 (0.2)	0.7 (0.2)	0.2 (0.1)	0.2 (0.1)	Minerals and electrolytes, Miscellaneous respiratory agents
Acetaminophen	25,798 (1,749)	6.1 (0.3)	100.0	59.4 (2.7)	23.6 (2.1)	16.4 (1.8)	0.6 (0.3)	Analgesics
Ondansetron	24,665 (2,119)	5.9 (0.2)	100.0	59.3 (2.4)	18.4 (2.4)	21.5 (1.8)	0.8 (0.7)	Antiemetic/antivertigo agents
Ibuprofen	17,491 (1,217)	4.2 (0.3)	100.0	35.8 (3.0)	42.0 (2.7)	21.9 (1.9)	0.2 (0.1)	Analgesics
Ketorolac	12,765 (1,227)	3.0 (0.2)	100.0	92.2 (1.2)	4.2 (0.6)	3.6 (0.9)	0.0 (0.0)	Analgesics
Lidocaine	7,954 (643)	1.9 (0.1)	100.0	79.3 (2.2)	13.8 (2.0)	6.6 (1.1)	0.3 (0.2)	Antiarrhythmic agents, Local injectable anesthetics
Albuterol	7,706 (897)	1.8 (0.1)	100.0	37.9 (4.7)	44 (4.8)	14.0 (2.3)	4.1 (2.9)	Bronchodilators
Acetaminophen-hydrocodone	6,900 (856)	1.6 (0.2)	100.0	40.8 (4.7)	36.5 (4.3)	20.9 (3.7)	1.8 (1.6)	Analgesics
Morphine	6,810 (712)	1.6 (0.1)	100.0	97.8 (0.8)	1.1 (0.5)	1.1 (0.6)	0.0 (0.0)	Analgesics
Aspirin	6,275 (857)	1.5 (0.1)	100.0	61.8 (6.6)	28.1 (6.5)	9.4 (3.9)	0.7 (0.4)	Analgesics, Antiplatelet agents
Ceftriaxone	6,032 (611)	1.4 (0.1)	100.0	98.0 (0.7)	1.5 (0.6)	0.5 (0.3)	0.0 (0.0)	Cephalosporins
Cephalexin	5,221 (615)	1.2 (0.1)	100.0	12.0 (1.8)	70.2 (3.8)	17.7 (3.4)	0.1 (0.1)	Cephalosporins
Diphenhydramine	4,585 (384)	1.1 (0.1)	100.0	75.4 (3.3)	16.2 (2.7)	8.2 (1.5)	0.2 (0.1)	Antiemetic/antivertigo agents, Antihistamines, Antiparkinson agents, Anxiolytics, sedatives, and hypnotics
Iohexol	4,517 (926)	1.1 (0.2)	100.0	99.5 (0.4)	0.5 (0.4)	0.0 (0.0)	0.0 (0.0)	Radiocontrast agents
Famotidine	4,490 (486)	1.1 (0.1)	100.0	57.2 (4.7)	34.2 (5.1)	8.4 (1.6)	0.2 (0.2)	H2 antagonists
Prednisone	4,357 (552)	1.0 (0.1)	100.0	20.1 (3.1)	58.9 (4.0)	18.1 (2.9)	2.8 (2.5)	Adrenal cortical steroids
Iopamidol	4,191 (775)	1.0 (0.2)	100.0	99.8 (0.1)	0.1 (0.1)	0.0 (0.0)	0.1 (0.1)	Radiocontrast agents
Lorazepam	3,834 (417)	0.9 (0.1)	100.0	81.8 (3.3)	11.6 (2.6)	6.3 (1.8)	0.3 (0.2)	Anticonvulsants, Antiemetic/antivertigo agents, Anxiolytics, sedatives, and hypnotics
Pantoprazole	3,702 (488)	0.9 (0.1)	100.0	60.7 (5.3)	23.8 (4.4)	11.4 (3.5)	4.1 (3.1)	Proton pump inhibitors
Hydromorphone	3,457 (458)	0.8 (0.1)	100.0	97.8 (1.1)	1.5 (1.0)	0.7 (0.4)	0.1 (0.1)	Analgesics
All other	220,347 (20,947)	52.4 (1.6)	100.0	48.3 (3.9)	39.4 (4.3)	9.4 (2.6)	2.8 (1.9)	...

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

0.0 Quantity more than zero but less than 0.05.

¹Based on Cerner Multum terminology, the drug name reflects the active ingredients of a drug mention.

²Includes drugs given or prescribed that did not have either the "given in emergency department" or "prescribed at discharge" checkboxes marked.

³Based on Cerner Multum second-level therapeutic drug category (available from: <https://www.cerner.com/solutions/drug-database>).

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 22. Providers seen at emergency department visits: United States, 2022

Type of provider	Number of visits ¹ (standard error) in thousands	Percent of visits (standard error)
All visits	155,398 (10,251)	... ..
Any physician	134,759 (9,076)	86.7 (1.4)
Emergency department attending physician	131,142 (9,041)	84.4 (1.5)
Emergency department resident or intern	20,211 (3,435)	13.0 (2.3)
Consulting physician	22,205 (2,130)	14.3 (1.5)
Registered nurse or licensed practical nurse	141,590 (10,380)	91.1 (2.0)
Any physician seen	124,249 (9,202)	80.0 (2.2)
Physician not seen	17,341 (2,509)	11.2 (1.4)
Nurse practitioner	15,297 (2,225)	9.8 (1.2)
Any physician seen	8,287 (1,681)	5.3 (1.0)
Physician not seen	7,010 (1,322)	4.5 (0.8)
Physician assistant	25,762 (3,001)	16.6 (1.7)
Any physician seen	16,947 (2,572)	10.9 (1.6)
Physician not seen	8,815 (1,579)	5.7 (0.9)
Emergency medical technician	15,084 (1,880)	9.7 (1.1)
Mental health provider	3,491 (480)	2.2 (0.3)
Other	67,477 (6,954)	43.4 (3.2)
Blank	266 (71)	0.2 (0.0)

... Category not applicable.

0.0 Quantity more than zero but less than 0.05.

¹Total exceeds "All visits" and percentage exceeds 100% because more than one provider may be reported per visit.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 23. Disposition of emergency department visits: United States, 2022

Disposition	Number of visits ¹ (standard error) in thousands	Percent of visits (standard error)
All visits	155,398 (10,251)	... ..
Admitted, transferred, or died		
Admit to this hospital	17,803 (1,719)	11.5 (1.2)
Critical care unit	3,105 (584)	2.0 (0.4)
Stepdown or telemetry unit	*639 (203)	0.4 (0.1)
Operation room	1,529 (208)	1.0 (0.1)
Mental health or detoxification unit	443 (84)	0.3 (0.1)
Cardiac catheterization lab	*299 (94)	0.2 (0.1)
Other bed or unit	9,356 (1,239)	6.0 (0.8)
Unknown or blank	2,432 (499)	1.6 (0.3)
Admit to observation unit	3,896 (705)	2.5 (0.5)
Then hospitalized	1,446 (323)	0.9 (0.2)
Then discharged	2,450 (509)	1.6 (0.3)
Return or transfer to nursing home	1,362 (325)	0.9 (0.2)
Transfer to psychiatric hospital	1,569 (235)	1.0 (0.1)
Transfer to other hospital	2,135 (415)	1.4 (0.2)
Dead in emergency department ²	*480 (147)	0.3 (0.1)
Outpatient follow-up		
Return or refer to physician or clinic for follow-up	110,925 (8,690)	71.4 (1.6)
No follow-up planned	7,804 (1,030)	5.0 (0.7)
Left before completing visit		
Left without being seen	2,935 (468)	1.9 (0.3)
Left before treatment complete	2,184 (405)	1.4 (0.2)
Left against medical advice	1,942 (222)	1.2 (0.1)
Other	*2,969 (953)	1.9 (0.6)
Blank	*1,300 (530)	0.8 (0.3)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%.

¹Total number of visits exceeds "All visits" and percent of visits exceeds 100% because more than one disposition may be reported per visit.

²Includes "Dead on arrival."

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 24. Emergency department visits resulting in hospital admission, by selected patient and visit characteristics: United States, 2022

Patient and visit characteristics	Number of visits (standard error) in thousands	Percent distribution (standard error)	Mean length of stay ¹ in days (standard error)	Admissions as percent of visits (standard error)
All admissions	17,803 (1,719)	100.0 ...	5.9 (0.3)	11.5 (1.2)
Age group (years)				
Under 15	970 (255)	5.4 (1.5)	3.5 (0.7)	3.7 (0.8)
15–24	837 (129)	4.7 (0.8)	4.9 (0.7)	4.1 (0.6)
25–44	2,372 (265)	13.3 (1.2)	5.0 (0.5)	6.0 (0.7)
45–64	5,003 (576)	28.1 (1.6)	5.9 (0.5)	14.0 (1.5)
65–74	3,609 (535)	20.3 (1.5)	6.0 (0.6)	23.2 (2.8)
75 and older	5,012 (614)	28.2 (1.8)	6.9 (0.5)	28.8 (3.0)
Residence				
Private	16,146 (1,532)	90.7 (1.0)	5.5 (0.3)	11.0 (1.1)
Nursing home	901 (172)	5.1 (0.7)	8.4 (1.0)	30.4 (5.5)
Homeless	173 (41)	1.0 (0.2)	10.0 (2.3)	8.8 (2.0)
Other	*331 (99)	* ...	8.8 (3.2)	18.6 (5.2)
Unknown or blank	253 (70)	1.4 (0.4)	14.6 (3.2)	10.0 (4.1)
Expected sources of payment ²				
Private insurance	5,820 (741)	32.7 (2.6)	5.8 (0.5)	12.6 (1.4)
Medicare	8,250 (1,101)	46.3 (2.6)	6.6 (0.4)	24.1 (2.7)
Medicaid or CHIP ³ or other state-based program	5,380 (643)	30.2 (2.4)	5.9 (0.4)	8.6 (1.2)
No insurance ⁴	*414 (149)	*2.3 (0.7)	4.7 (1.4)	4.3 (1.3)
Mode of arrival				
Ambulance	7,317 (814)	41.1 (2.2)	7.1 (0.4)	27.6 (2.3)
Other	10,486 (1,085)	58.9 (2.2)	5.1 (0.3)	8.1 (0.9)
Triage category				
Immediate or emergent ⁵	5,436 (851)	30.5 (3.4)	6.5 (0.6)	31.7 (3.6)
Other	12,367 (1,257)	69.5 (3.4)	5.6 (0.3)	8.9 (0.9)
Patient seen in this emergency department during the last 72 hours				
Yes	488 (105)	2.7 (0.5)	5.9 (1.1)	8.0 (3.4)
No, unknown, or blank	17,316 (1,661)	97.3 (0.5)	5.9 (0.3)	11.6 (1.1)
Length of stay (days)				
1–2	4,656 (541)	26.1 (2.2)	... ..	... ..
3–4	5,303 (593)	29.8 (1.6)	... ..	... ..
5–6	2,879 (431)	16.2 (1.3)	... ..	... ..
7–8	1,531 (246)	8.6 (1.1)	... ..	... ..
9–10	812 (143)	4.6 (0.7)	... ..	... ..
More than 10	1,844 (238)	10.4 (1.0)	... ..	... ..
Unknown or blank	*779 (318)	* ...	... ..	... ..
Hospital discharge status				
Alive	16,965 (1,648)	95.3 (0.8)	5.8 (0.3)	... ..
Home or residence	13,855 (1,344)	81.7 (1.6)	5.0 (0.3)	... ..
Return or transfer to nursing home	1,338 (210)	7.9 (0.8)	10.4 (1.3)	... ..
Transfer to another facility	1,237 (214)	7.3 (1.1)	8.5 (1.2)	... ..
Other	*374 (127)	* ...	7.4 (1.4)	... ..
Unknown or blank	161 (42)	0.9 (0.3)	7.1 (2.1)	... ..
Died	497 (100)	2.8 (0.4)	8.3 (1.7)	... ..
Unknown or blank	*342 (106)	* ...	10.9 (3.7)	... ..

See footnotes at end of table.

Table 24. Emergency department visits resulting in hospital admission, by selected patient and visit characteristics: United States, 2022—Con.

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹Denominator for length of stay for 17,025,000 visits where this variable was known. Length of stay was unknown for 4.4% (weighted) of visits resulting in admission.

²Total number of visits exceeds "All admissions" and percent distribution exceeds 100% because more than one source of payment may be reported per visit. Workers' compensation, other, and unknown sources of payment (not shown) account for 9.4% (weighted) of expected sources of payment.

³Children's Health Insurance Program.

⁴Defined as having only self-pay, no charge, or charity as payment sources. Individual self-pay and no charge or charity categories are not mutually exclusive.

⁵Defined as needing to be seen within 1–14 minutes.

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 25. Principal hospital discharge diagnoses for patients admitted through the emergency department, by major disease category: United States, 2022

Major disease category and ICD-10-CM code range ¹	Number of visits (standard error) in thousands	Percent distribution (standard error)
All visits	17,803 (1,719)	100.0 ...
Certain infectious and parasitic diseases A00-B99	790 (164)	4.4 (0.9)
Neoplasms C00-D49	* ...	1.1 (0.3)
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism D50-D89	366 (85)	2.1 (0.4)
Endocrine, nutritional, and metabolic diseases E00-E89	779 (137)	4.4 (0.6)
Mental, behavioral and neurodevelopmental disorders F01-F99	562 (116)	3.2 (0.5)
Diseases of the nervous system and sense organs ² G00-G99, H00-H95	668 (131)	3.8 (0.6)
Diseases of the circulatory system I00-I99	2,304 (325)	12.9 (1.0)
Diseases of the respiratory system J00-J99	1,598 (227)	9.0 (0.8)
Diseases of the digestive system K00-K95	1,885 (239)	10.6 (1.0)
Diseases of the skin and subcutaneous tissue L00-L99	525 (102)	3.0 (0.6)
Diseases of the musculoskeletal system and connective tissue M00-M99	426 (90)	2.4 (0.4)
Diseases of the genitourinary system N00-N99	868 (148)	4.9 (0.7)
Pregnancy, childbirth and the puerperium O00-O9A	* ...	0.6 (0.2)
Symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified R00-R99	3,002 (386)	16.9 (1.1)
Injury, poisoning and certain other consequences of external causes S00-T88	1,409 (190)	7.9 (0.8)
Codes for special purposes ³ U00-U85	432 (108)	2.4 (0.6)
All other diagnoses ⁴	1,104 (303)	6.2 (1.7)
Unknown or blank	778 (162)	4.4 (1.0)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Visit estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Visit estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

¹Based on the *International Classification of Diseases, 10th Revision, Clinical Modification* (ICD-10-CM). However, certain codes have been combined in this table to better describe the utilization of ambulatory care services.

²Sense organs include eye, adnexa, ear, and mastoid process.

³The only codes in this category are U07.0 for Vaping-related disorder and U07.1 for COVID-19.

⁴Includes certain conditions originating in the perinatal period (P00-P96), congenital malformations, deformations and chromosomal abnormalities (Q00-Q99), external causes of morbidity (V00-Y99), and factors influencing health status and contact with health services (Z00-Z99).

NOTE: Numbers may not add to totals due to rounding.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.

Table 26. Hospital and emergency department characteristics, by emergency department visit volume: United States, 2022

Hospital and emergency department characteristics	Total ¹	Fewer than 20,000	20,000 to 49,999	50,000 or more
		Percent distribution (standard error)		
All emergency departments	100.0 ...	100.0 ...	100.0 ...	100.0 ...
Hospital characteristic				
Has bed coordinator:				
Yes	59.8 (5.7)	* ...	* ...	80.2 (5.8)
No	36.9 (5.8)	* ...	* ...	* ...
Unknown or blank	* ...	* ...	* ...	* ...
How often hospital bed census data are available:				
Instantaneously	75.2 (5.3)	* ...	* ...	93.1 (3.0)
Every 4 hours	* ...	* ...	* ...	* ...
Every 8 hours	* ...	* ...	* ...	* ...
Every 12 hours	* ...	* ...	* ...	* ...
Every 24 hours	* ...	* ...	* ...	* ...
Unknown or blank	* ...	* ...	* ...	* ...
Has hospitalists on staff:				
Yes	87.5 (3.3)	78.0 (6.2)	**92.8 (4.0)	99.5 (0.4)
No	11.1 (3.2)	22.0 (6.2)	* ...	* ...
Unknown or blank	* ...	* ...	* ...	* ...
Has emergency medicine residency program:				
Yes	22.7 (2.9)	* ...	28.8 (6.3)	49.6 (6.8)
No	74.1 (3.2)	**95.2 (2.2)	61.1 (7.2)	49.8 (6.8)
Unknown or blank	* ...	* ...	* ...	* ...
Emergency department (ED) characteristic				
ED uses electronic medical records or health records:				
Yes, all electronic	89.1 (3.1)	**87.7 (4.4)	**91.6 (3.7)	**88.9 (4.3)
Yes, part paper and part electronic	* ...	* ...	* ...	* ...
No	* ...	* ...	* ...	* ...
Unknown or blank, or refused to answer	* ...	* ...	* ...	* ...
ED has physically separate observation or clinical decision unit:				
Yes	50.1 (5.9)	* ...	* ...	49.7 (6.9)
No	43.0 (5.3)	* ...	* ...	45.6 (7.0)
Unknown	* ...	* ...	* ...	* ...
Admitted patients were ever boarded 2 hours or more in ED or observation while waiting for inpatient bed:				
Yes	75.9 (5.1)	* ...	* ...	**94.4 (2.4)
No	* ...	* ...	* ...	* ...
Unknown or blank	* ...	* ...	* ...	* ...
ED went on ambulance diversion in 2021:				
Yes	28.4 (3.4)	23.5 (6.3)	25.5 (5.2)	41.7 (6.5)
No	57.5 (4.9)	* ...	50.5 (6.2)	48.4 (6.7)
Unknown or blank	14.0 (3.2)	* ...	24.0 (5.6)	* ...

See footnotes at end of table.

Table 26. Hospital and emergency department characteristics, by emergency department visit volume: United States, 2022—Con.

Hospital and emergency department characteristics	Total ¹	Fewer than 20,000	20,000 to 49,999	50,000 or more
Emergency department (ED) characteristic—Con.		Percent distribution (standard error)		
Ambulance diversion actively managed on regional level compared with each hospital adopting diversion if and when it chooses ² :				
Yes	46.2 (6.9)	* ...	* ...	* ...
No	43.4 (6.7)	* ...	* ...	* ...
Unknown or blank	* ...	* ...	* ...	* ...
Hospital continues to admit elective or scheduled surgery cases when ED is on ambulance diversion ² :				
Yes	**91.8 (4.3)	* ...	* ...	**93.0 (4.6)
No	* ...	* ...	* ...	* ...
Unknown or blank	* ...	* ...	* ...	* ...
ED increased the number of standard treatment spaces in last 2 years:				
Yes	15.3 (2.9)	* ...	* ...	28.8 (6.2)
No	80.9 (3.1)	**86.1 (5.1)	**81.9 (5.6)	69.7 (6.3)
Unknown or blank	* ...	* ...	* ...	* ...
ED physical space was expanded in last 2 years:				
Yes	10.1 (2.6)	* ...	* ...	12.7 (3.3)
No	86.9 (2.7)	**90.3 (4.7)	**85.9 (5.2)	81.7 (4.6)
Unknown or blank	* ...	* ...	* ...	* ...
ED plans to expand physical space in next 2 years ³ :				
Yes	12.9 (2.8)	* ...	**6.1 (4.8)	21.5 (5.6)
No	77.2 (3.9)	* ...	69.0 (7.0)	68.5 (6.3)
Unknown or blank	9.9 (2.9)	* ...	* ...	* ...
Services ED uses:				
Bedside registration	71.8 (5.6)	* ...	**83.8 (6.4)	**94.7 (3.1)
Kiosk self check-in	10.7 (3.1)	* ...	* ...	* ...
Computer-assisted triage	43.7 (5.9)	* ...	* ...	54.5 (6.0)
Immediate bedding	71.2 (5.2)	* ...	* ...	70.2 (6.2)
Advanced triage (triage-based care) protocols	75.5 (3.2)	71.8 (6.0)	77.1 (6.0)	80.7 (4.8)
Physician or practitioner at triage	52.1 (5.1)	* ...	* ...	64.9 (6.2)
Separate fast-track unit for nonurgent care	39.8 (5.5)	* ...	* ...	68.5 (6.2)
Separate operating room dedicated to ED patients	* ...	* ...	* ...	23.6 (6.2)
Electronic dashboard ⁴	83.0 (4.6)	* ...	**85.7 (5.4)	**90.4 (3.9)
Radio frequency identification tracking ⁵	27.3 (4.8)	* ...	18.8 (4.8)	33.7 (6.9)
Wireless devices by providers	62.5 (5.2)	* ...	* ...	83.9 (4.5)
Zone nursing ⁶	60.4 (4.7)	* ...	* ...	82.6 (5.1)
Pool nurses ⁷	53.9 (4.8)	* ...	60.6 (7.3)	56.5 (6.7)

... Category not applicable.

* Estimate does not meet National Center for Health Statistics standards of reliability. Estimates are not presented if they are based on fewer than 30 cases in the sample data; only an asterisk is shown. Estimates based on 30 cases or more include an asterisk if the relative standard error of the estimate exceeds 30%. Proportion estimates are not presented if they are unreliable based on the procedure specified in "National Center for Health Statistics Data Presentation Standards for Proportions" (available from: https://www.cdc.gov/nchs/data/series/sr_02/sr02_175.pdf), in which case only an asterisk is shown.

** Estimate meets National Center for Health Statistics standards of reliability, but its complement does not.

¹Number of sampled hospitals for all EDs (sample = 186); fewer than 20,000 (sample = 40); 20,000 to 49,999 (sample = 61); and 50,000 or more (sample = 85).

²Denominator is number of EDs on ambulance diversion or for which ambulance diversion status is unknown.

³Denominator is number of EDs that did not expand their physical space, including unknown or blank responses, in the last 2 years.

⁴Displays updated patient information and integrates multiple data sources.

⁵Shows the exact location of patients, caregivers, and equipment.

⁶Refers to all of a nurse's patients being located in one area.

⁷Those who can be pulled into the ED on demand to respond to surges.

SOURCE: National Center for Health Statistics, National Hospital Ambulatory Medical Care Survey, 2022.