

CHAPTER 4

HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS:

2023 STATUS

- 4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS**
- 4B. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES AND PATIENT CHARACTERISTICS**
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- 4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY**



4A.

INPATIENT DISCHARGES FROM SHORT STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

An inpatient discharge occurs when a person who was admitted to a hospital leaves that hospital. A person who has been hospitalized more than once in a given calendar year will be counted multiple times as a discharge; thus, the numbers in this report are for discharges, not persons. Federal, military, and Department of Veteran Affairs' hospitals are excluded. Beginning in 2010, the psychiatric hospitals also are required to report to the Arizona Department of Health Services. All discharges are for residents of Arizona. Discharges of out-of-state residents are not included in this report. Discharges of inpatients in this report exclude newborn infants.

Beginning in 2016, diagnostic groupings and code numbers are based solely on the International Classification of Diseases and Related Problems, 10th Revision, Clinical Modification (ICD-10-CM). ICD-10-CM incorporates greater details about medical diagnosis and represents a substantial increase in number of diagnostic codes, with more than 69,000 codes compared with about 14,000 under ICD-9-CM. Due to fundamental changes in the coding system caution should be exercised in comparing current inpatient data to that of years prior 2016. For further explanation of this new coding system, please refer to "The Implementation of the International Classification of Disease, Tenth Revision."

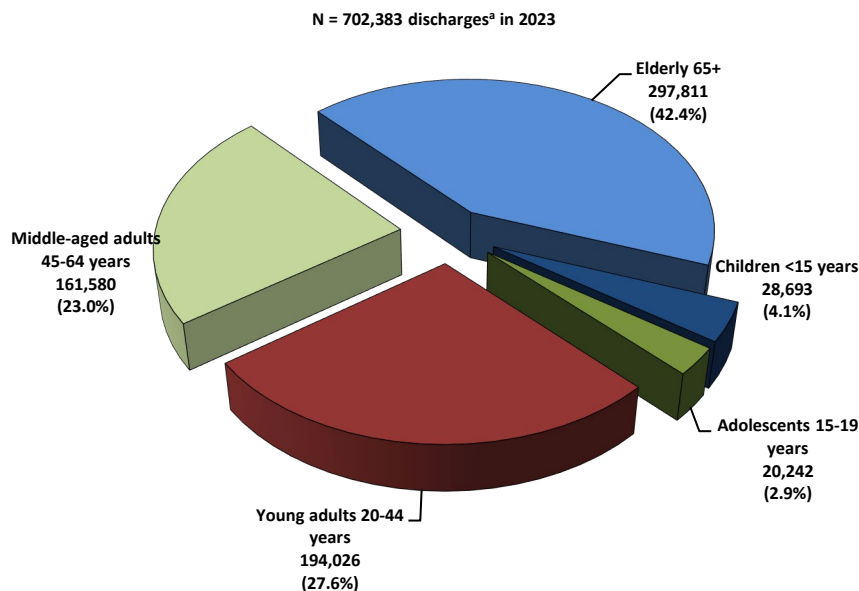
The change in the Arizona reporting requirements increased the number of diagnoses that are coded for each discharge from nine to twenty-five. In this section, discharges are presented by principal diagnosis, which is the first one listed on the discharge summary of the medical record. The number of first-listed diagnoses is the same as the number of discharges. For comparability with the national data*, the discharge rates are presented per 10,000 population. The groupings of ICD-9-CM and ICD-10-CM codes used to identify specific diagnostic categories can be accessed at:

<http://pub.azdhs.gov/health-stats/hip/cat/icd9-10primary.xlsx>.

*Findings of the National Hospital Discharge Survey are available in bound reports of the National Center for Health Statistics and online at https://archive.cdc.gov/www_cdc.gov/nchs/nhds/index.htm

4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

Figure 4A-1
Hospital Inpatient Discharges^a by Age Group, Arizona Residents, 2023

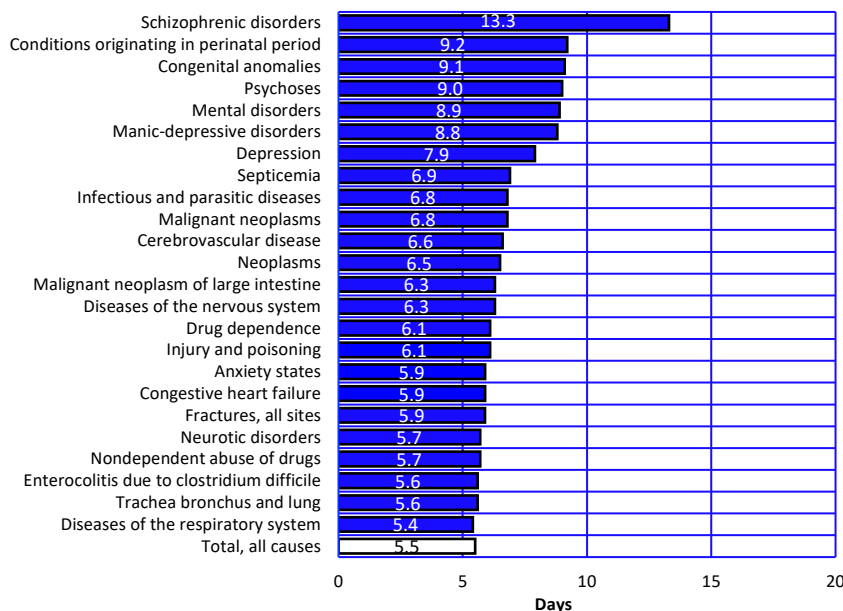


Note: ^a Excluding newborn infants.

In 2023, there were 702,383 inpatients discharged, excluding newborn infants, from non-Federal short stay hospitals in Arizona (**Table 4A-1**). Patients who were elderly (65 years or older) accounted for 42.4 percent of hospital discharges (**Figure 4A-1**), followed by young adults (20-44 years old) who comprised 27.6 percent of discharges, and middle-aged adults (45-64 years old) with 23.0 percent of all inpatient discharges.

Diseases of the circulatory system were the most common diagnoses (15.0 percent of all discharges), followed by *mental disorders* (11.2 percent), and *injury and poisoning* diagnoses (10.6 percent; percentages based on data in **Table 4A-1**).

Figure 4A-2
Average Length of Hospital Stay for Discharges^a with Selected First-listed Diagnosis, Arizona Residents, 2023



Notes: ^a Excluding newborn infants.

Based on the data from the National Hospital Discharge Survey, the longest continuously running nationally representative survey of hospital utilization, the length of stay for inpatients has changed dramatically from 1970 through 2012. In 1970, the average length of stay was 7.8 days, with one-third of patients hospitalized for 8 days or more. In 2010, the average length of stay nationally was 4.8 days.

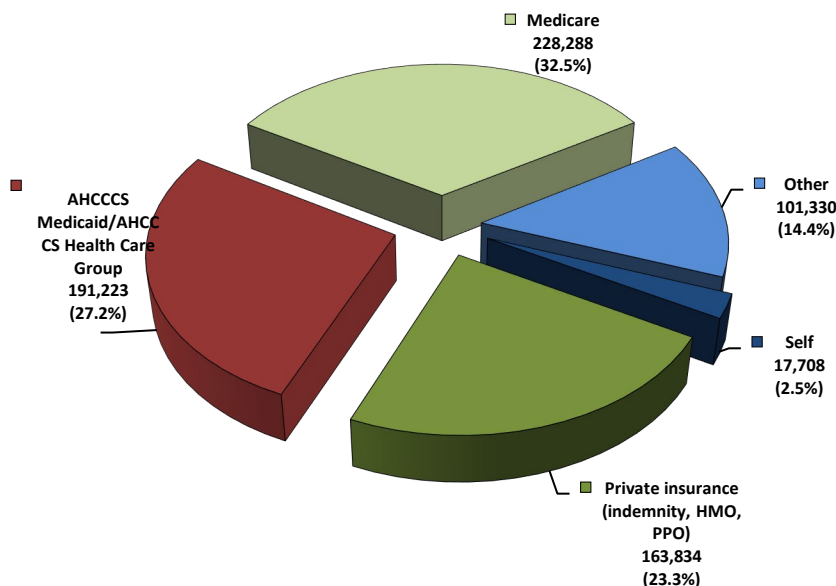
In 2023, the average length of hospital stay for Arizona inpatients was 5.5 days (**Figure 4A-2, Table 4A-5**).

The top five conditions with the longest length of inpatient stay was: *Schizophrenic disorders* (13.3 days), *conditions originating in perinatal period* (9.2 days), *congenital anomalies* (9.1 days), *psychoses* (9.0 days), and *mental disorders* (8.9 days).

4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

Figure 4A-3
Hospital Inpatient Discharges by Payer, Arizona Residents, 2023

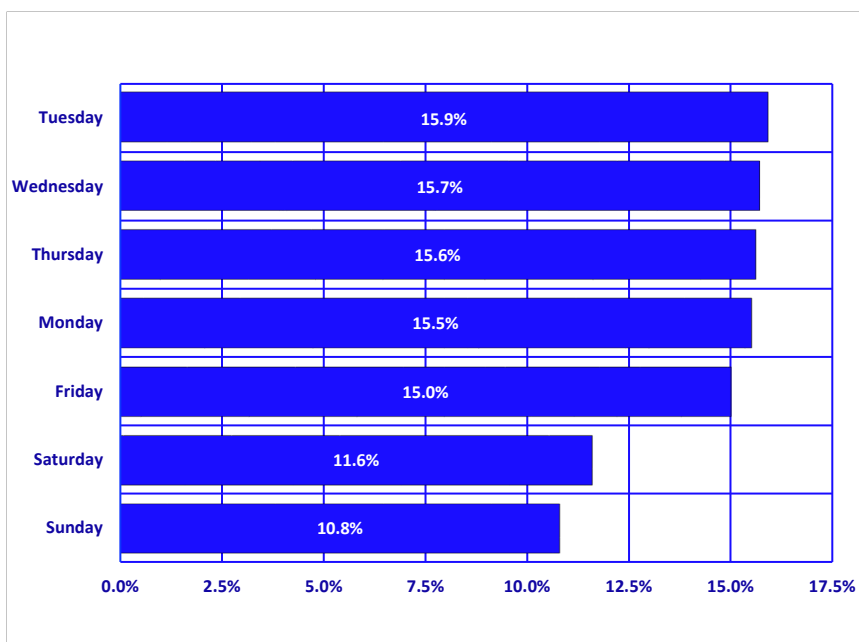
Medicare paid for 32.5 percent of all discharges (**Figure 4A-3**) and 67.3 percent of inpatient discharges of persons aged 65 years or older (**Table 4A-4**). The Arizona Health Care Cost Containment System (AHCCCS; the State's Medicaid Program) was the second most frequently recorded expected source of payment, accounting for 27.2 percent of inpatient discharges. Private insurance accounted for 23.3 percent of hospital inpatient discharges.



Note: The Arizona Health Care Cost Containment System is the State's Medicaid Program.

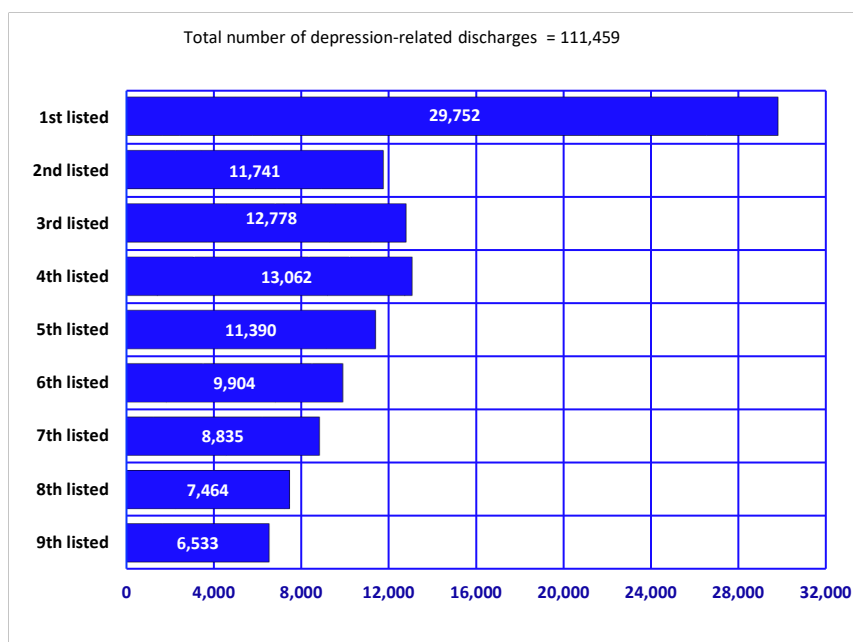
Figure 4A-4
Percent of Hospital Inpatient Admissions by Day of the Week, Arizona Residents, 2023

The rhythm of hospital births by day of the week (see **Figure 1B-14**) reveals that the daily average of resident live births in 2023 was substantially lower on weekends than on weekdays. The same pattern applies to hospital inpatient admissions excluding newborn infants (**Figure 4A-4**).



4A. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY FIRST-LISTED DIAGNOSIS AND PATIENT CHARACTERISTICS

Figure 4A-5
Number of Depression-Related Inpatient Discharges and Emergency Room Visits of Arizona Residents, 2023

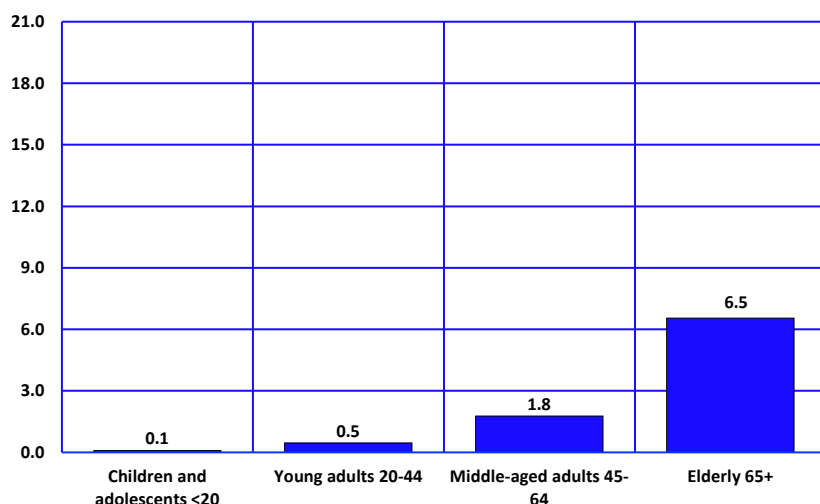


In 2023, *depression* accounted for 26,476 inpatient discharges and 3,275 emergency room visits as the first-listed diagnosis (for a total of 29,751 hospital encounters; **Figure 4A-5, Table 4A-1, Table 7C-1**).

The extent to which the first-listed diagnosis is the principal reason for hospitalization ought not to be overestimated. More often than not, the first-listed diagnosis is the immediate, but not necessarily the underlying cause of hospitalization.

However, when we count all entries of this code within the first nine diagnostic fields, depression was mentioned on 111,459 inpatient discharges and emergency room records (**Figure 4A-5**).

Figure 4A-6
Inpatient Hospitalization Rates for Enterocolitis due to *Clostridium difficile* By Age Group, Arizona Residents, 2023



Note: Number of visits per 10,000 population

In 2023, 1,358 Arizonans were hospitalized with the diagnosis of enterocolitis due to *Clostridium difficile*, a bacterial inflammation of the intestines (**Table 4A-1**). The disease is of growing public health concern because it is often acquired in hospitals and other health care institutions with long-term patients as residents.

The hospitalization rates associated with enterocolitis due to *Clostridium difficile* tend to increase with age. The rate for the elderly 65 years or older (6.5/10,000) was the highest of all age groups (**Figure 4A-6**).

In 2023, 106 Arizonans died from enterocolitis due to *Clostridium difficile*. Elderly 65 years or older accounted for 82.1 percent of these deaths (**Table 2C-27**).

**TABLE 4A-1
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023**

Category of first-listed diagnosis	Total	Age group				
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years
All categories	702,383	28,693	20,242	194,026	161,580	297,811
Infectious and parasitic diseases						
Septicemia	71,961	1,129	646	12,053	20,811	37,320
Enterocolitis due to <i>Clostridium difficile</i>	65,702	506	498	10,842	19,214	34,640
Neoplasms	1,358	9	7	116	315	911
Malignant neoplasms	23,170	385	196	2,441	7,306	12,842
Large intestine	19,597	317	158	1,659	6,006	11,457
Prostate	2,850†	0	*	178	992	1,673
Trachea bronchus and lung	450†	*	0	*	129	315
Breast	2,210†	*	*	57	533	1,613
Benign neoplasms	1,080†	0	*	249	553	278
Endocrine nutritional metabolic and immunity diseases	2,756	47	31	660	1,038	980
Diabetes mellitus	32,103	1,438	623	7,935	10,610	11,496
Volume depletion	14,696	474	393	3,719	5,501	4,609
Morbid obesity	1,608	450	46	135	241	735
Diseases of the blood and blood forming organs	4,380†	*	28	2,443	1,617	286
Mental disorders	6,313	537	244	1,227	1,341	2,964
Psychoses	78,739	5,935	8,926	39,029	18,918	5,931
Alcoholic psychoses	44,953	1,540	3,303	24,006	12,281	3,823
Drug psychoses	6,310†	*	26	3,184	2,499	597
Schizophrenic disorders	938	8	74	607	206	43
Manic-depressive disorders	10,247	15	238	6,241	3,311	442
Neurotic disorders	43,054	5,329	7,336	19,355	8,498	2,536
Anxiety states	16,018	721	1,078	7,493	5,089	1,637
Depression	1,061	68	139	462	253	139
Drug dependence	26,476	3,130	4,758	11,700	5,183	1,705
Nondependent abuse of drugs	3,530†	*	143	2,531	710	148
Alcohol dependence	250†	*	17	141	74	19
Diseases of the nervous system	8,140†	*	33	4,145	3,159	804
Diseases of the eye and adnexa	18,843	1,026	432	3,561	4,585	9,238
Diseases of the ear and mastoid process	662	99	13	115	185	250
Diseases of the circulatory system	760	146	15	107	166	326
Heart disease	105,349	272	219	6,005	26,773	72,079
Acute myocardial infarction	70,285	130	121	3,504	17,345	49,185
Coronary arteriosclerosis	12,410†	0	*	540	4,066	7,806
	5,450†	*	0	95	1,628	3,728

TABLE 4A-1 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023

Category of first-listed diagnosis	Total	Age group				
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years
Other ischemic heart disease	450†	0	*	32	179	240
Cardiac dysrhythmias	15,693	57	34	546	2,804	12,252
Cardiac arrest	330†	11	*	39	108	168
Congestive heart failure	2,038	23	10	304	602	1,099
Cerebrovascular diseases	23,378	73	42	1,110	5,926	16,226
Diseases of the respiratory system	43,652	6,900	641	3,992	9,282	22,834
Acute bronchitis and bronchiolitis	1,887	1,458	6	43	100	280
Pneumonia	12,218	759	89	881	2,590	7,899
Chronic bronchitis	4,370†	0	*	77	1,346	2,943
Asthma	2,507	940	93	620	497	357
COVID-19	7,368	443	29	269	1,027	5,600
Diseases of the digestive system	62,569	1,813	902	12,404	19,017	28,433
Appendicitis	2,630	542	197	747	599	545
Noninfectious enteritis and colitis	4,931	219	147	1,053	1,213	2,299
Diverticula of intestine	5,310†	*	*	658	1,577	3,073
Cholelithiasis	3,345	24	61	883	977	1,400
Diseases of the genitourinary system	29,125	730	322	4,242	7,207	16,624
Calculus of kidney and ureter	410†	*	9	86	133	182
Diseases of the skin and subcutaneous tissue	12,264	561	146	2,966	4,039	4,551
Cellulitis and abscess	8,671	280	74	2,009	2,857	3,450
Diseases of the musculoskeletal system	27,199	615	380	2,732	7,071	16,401
Osteoarthritis and allied disorders	3,650†	*	*	44	656	2,948
Invertebral disc disorders	2,260†	*	*	395	810	1,053
Congenital anomalies	2,398	1,213	208	366	334	277
Conditions originating in perinatal period	1,890†	1,885	0	*	*	0
Symptoms signs and ill-defined conditions	12,900	813	237	1,683	2,948	7,219
Injury and poisoning	74,699	1,944	1,986	13,894	17,640	39,213
Fractures, all sites	23,531	358	463	3,374	3,982	15,351
Fracture of neck of femur	7,651	25	24	196	733	6,673
Poisonings	4,731	304	501	1,951	1,164	807

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Excluding newborn infants.

TABLE 4A-2
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2023

Category of first-listed diagnosis	Total	Patient's gender		
		Male	Female	Unknown
All categories	702,383	322,855	379,392	136
Infectious and parasitic diseases	71,961	37,235	34,723	*
Septicemia	65,702	34,187	31,512	*
Enterocolitis due to <i>Clostridium difficile</i>	1,358	488	870	0
Neoplasms	23,170	11,437	11,733	0
Malignant neoplasms	19,597	10,227	9,370	0
Large intestine	2,845	1,558	1,287	0
Prostate	450†	448	*	0
Trachea bronchus and lung	2,211	1,044	1,167	0
Breast	1,082	40	1,042	0
Benign neoplasms	2,756	826	1,930	0
Endocrine nutritional metabolic and immunity diseases	32,103	15,305	16,798	0
Diabetes mellitus	14,696	8,881	5,815	0
Volume depletion	1,608	775	833	0
Morbid obesity	4,375	739	3,636	0
Diseases of the blood and blood forming organs	6,313	2,979	3,334	0
Mental disorders	78,739	43,936	34,786	17
Psychoses	44,953	26,630	18,315	8
Alcoholic psychoses	6,307	4,513	1,791	*
Drug psychoses	938	644	294	0
Schizophrenic disorders	10,247	6,715	3,532	0
Manic-depressive disorders	43,054	20,816	22,225	13
Neurotic disorders	16,018	9,828	6,183	7
Anxiety states	1,061	460	601	0
Depression	26,476	12,895	13,571	10
Drug dependence	3,533	2,520	1,013	0
Nondependent abuse of drugs	254	166	88	0
Alcohol dependence	8,143	5,794	2,347	*
Diseases of the nervous system	18,843	9,357	9,486	0
Diseases of the eye and adnexa	662	315	347	0
Diseases of the ear and mastoid process	760	354	406	0
Diseases of the circulatory system	105,349	59,966	45,378	*
Heart disease	70,285	41,369	28,912	*
Acute myocardial infarction	12,414	8,067	4,344	*
Coronary arteriosclerosis	5,453	3,939	1,514	0

TABLE 4A-2 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2023

Category of first-listed diagnosis	Total	Patient's gender		
		Male	Female	Unknown
Other ischemic heart disease	452	239	213	0
Cardiac dysrhythmias	15,693	8,678	7,015	0
Cardiac arrest	328	208	120	0
Congestive heart failure	2,038	1,197	841	0
Cerebrovascular diseases	23,378	12,263	11,114	*
Diseases of the respiratory system	43,652	21,902	21,745	*
Acute bronchitis and bronchiolitis	1,887	1,011	876	0
Pneumonia	12,218	5,811	6,407	0
Chronic bronchitis	4,367	1,953	2,414	0
Asthma	2,507	1,071	1,436	0
COVID-19	7,368	3,676	3,691	*
Diseases of the digestive system	62,569	30,018	32,549	*
Appendicitis	2,630	1,417	1,213	0
Noninfectious enteritis and colitis	4,931	1,945	2,986	0
Diverticula of intestine	5,313	2,414	2,899	0
Cholelithiasis	3,345	1,395	1,949	*
Diseases of the genitourinary system	29,125	13,505	15,618	*
Calculus of kidney and ureter	414	180	234	0
Diseases of the skin and subcutaneous tissue	12,264	6,968	5,295	*
Cellulitis and abscess	8,671	4,944	3,727	0
Diseases of the musculoskeletal system	27,199	12,689	14,509	*
Osteoarthritis and allied disorders	3,651	1,277	2,374	0
Invertebral disc disorders	2,264	1,135	1,129	0
Congenital anomalies	2,398	1,388	1,010	0
Conditions originating in perinatal period	1,888	1,009	879	0
Symptoms signs and ill-defined conditions	12,900	6,387	6,512	*
Injury and poisoning	74,699	39,663	34,940	96
Fractures, all sites	23,531	10,435	13,066	30
Fracture of neck of femur	7,651	2,791	4,857	*
Poisonings	4,731	2,387	2,339	*

Notes: * Cell suppressed due to non-zero count less than 6; ^a Excluding newborn infants.

**TABLE 4A-3
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2023**

Category of first-listed diagnosis	Total	Race/ethnicity					Refused /Unknown
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	
Total	702,383	32,486	15,637	42,220	131,696	473,078	7,266
Infectious and parasitic diseases	71,961	3,514	1,625	3,844	13,406	48,908	664
Septicemia	65,702	3,169	1,466	3,390	12,232	44,853	592
Enterocolitis due to <i>Clostridium difficile</i>	1,358	63	25	44	169	1,050	7
Neoplasms	23,170	618	703	1,151	3,665	16,779	254
Malignant neoplasms	19,597	501	581	890	3,036	14,384	205
Large intestine	2,845	80	84	107	428	2,122	24
Prostate	449	6	11	36	62	329	*
Trachea bronchus and lung	2,211	31	80	94	203	1,789	14
Breast	1,082	20	35	64	178	778	7
Benign neoplasms	2,756	99	103	228	495	1,795	36
Endocrine nutritional metabolic and immunity diseases	32,103	2,089	687	2,468	7,605	18,994	260
Diabetes mellitus	14,696	1,243	226	1,228	3,633	8,257	109
Volume depletion	1,608	71	42	108	306	1,067	14
Morbid obesity	4,375	98	100	424	1,651	2,059	43
Diseases of the blood and blood forming organs	6,313	237	198	1,036	979	3,800	63
Mental disorders	78,739	6,054	1,333	6,827	11,468	52,297	760
Psychoses	44,953	3,559	748	3,894	6,662	29,662	428
Alcoholic psychoses	6,307	890	70	267	827	4,211	42
Drug psychoses	940†	65	*	74	188	591	15
Schizophrenic disorders	10,247	512	181	1,405	1,598	6,447	104
Manic-depressive disorders	43,054	2,997	779	3,506	5,840	29,510	422
Neurotic disorders	16,018	2,067	220	860	2,198	10,530	143
Anxiety states	1,061	38	16	65	161	773	8
Depression	26,476	2,292	491	1,921	3,743	17,763	266
Drug dependence	3,533	200	84	310	881	2,044	14
Nondependent abuse of drugs	250†	72	*	23	25	131	*
Alcohol dependence	8,143	1,188	104	350	1,051	5,395	55
Diseases of the nervous system	18,843	789	356	1,151	2,855	13,472	220
Diseases of the eye and adnexa	662	35	15	33	142	427	10
Diseases of the ear and mastoid process	760	35	19	30	155	515	6
Diseases of the circulatory system	105,349	2,928	2,085	5,831	14,155	79,249	1,101
Heart disease	70,285	1,914	1,288	3,540	9,098	53,793	652
Acute myocardial infarction	12,414	399	263	508	1,884	9,182	178
Coronary atherosclerosis	5,453	133	150	151	742	4,220	57

TABLE 4A-3 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2023

Category of first-listed diagnosis	Total	Race/ethnicity					Refused /Unknown
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	
Other ischemic heart disease	452	23	7	29	81	307	*
Cardiac dysrhythmias	15,693	303	241	409	1,452	13,150	138
Cardiac arrest	328	24	9	17	48	220	10
Congestive heart failure	2,038	101	51	144	250	1,477	15
Cerebrovascular diseases	23,378	562	516	1,294	3,230	17,444	332
Diseases of the respiratory system	43,652	1,826	872	2,623	6,979	31,056	296
Acute bronchitis and bronchiolitis	1,887	154	49	100	537	1,027	20
Pneumonia	12,218	504	276	601	1,567	9,203	67
Chronic bronchitis	4,367	40	46	232	363	3,671	15
Asthma	2,507	134	61	369	684	1,244	15
COVID-19	7,368	229	141	269	994	5,657	78
Diseases of the digestive system	62,569	3,454	1,235	2,796	11,872	42,660	552
Appendicitis	2,630	96	66	95	789	1,546	38
Noninfectious enteritis and colitis	4,931	126	89	261	689	3,729	37
Diverticula of intestine	5,313	156	83	205	851	3,971	47
Cholelithiasis	3,345	188	62	121	848	2,088	38
Diseases of the genitourinary system	29,125	1,154	620	1,641	5,091	20,389	230
Calculus of kidney and ureter	414	14	10	11	70	302	7
Diseases of the skin and subcutaneous tissue	12,264	732	143	642	1,979	8,687	81
Cellulitis and abscess	8,671	474	98	364	1,289	6,395	51
Diseases of the musculoskeletal system	27,199	911	554	1,219	3,319	20,922	274
Osteoarthritis and allied disorders	3,651	61	104	107	238	3,095	46
Invertebral disc disorders	2,264	58	42	102	273	1,767	22
Congenital anomalies	2,398	98	86	105	636	1,445	28
Conditions originating in perinatal period	1,888	166	74	117	567	924	40
Symptoms signs and ill-defined conditions	12,900	475	236	758	1,923	9,387	121
Injury and poisoning	74,699	3,627	1,247	3,464	11,585	53,582	1,194
Fractures, all sites	23,531	910	342	641	2,982	18,250	406
Fracture of neck of femur	7,651	172	104	120	736	6,461	58
Poisonings	4,731	262	53	373	883	3,084	76

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Excluding newborn infants.

TABLE 4A-4
NUMBER OF DISCHARGES^a BY PRIMARY PAYER, GENDER, AGE GROUP, RACE/ETHNICITY,
AND MARITAL STATUS, ARIZONA, 2023

Selected characteristics		Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
Total		702,383	17,708	163,834	191,223	228,288	101,330
Gender	Male	322,855	9,017	65,763	84,703	111,581	51,791
	Female	379,392	8,671	98,050	106,454	116,684	49,533
	Unknown	136	20	21	66	23	6
Age group	Children <15 years	28,693	790	9,293	17,745	39	826
	Adolescents 15-19 years	20,242	607	6,717	12,161	19	738
	Young adults 20-44 years	194,026	9,108	70,775	97,067	5,944	11,132
	Middle-aged adults 45-64 years	161,580	5,722	55,763	58,981	21,931	19,183
	Elderly 65+ years	297,811	1,455	21,286	5,266	200,354	69,450
	Unknown	30†	26	0	*	*	*
Race/ethnicity	White non-Hispanic	32,486	573	3,955	18,202	7,053	2,703
	Hispanic or Latino	15,637	364	5,727	3,608	3,951	1,987
	Black or African American	42,220	1,232	8,899	18,176	8,471	5,442
	American Indian or Alaska Native	131,696	5,520	28,716	58,866	23,383	15,211
	Asian or Pacific Islander	473,078	9,668	114,627	90,147	183,692	74,944
	Refused/Unknown	7,266	351	1,910	2,224	1,738	1,043
Patient's marital status	Single	300,112	9,924	67,711	140,165	51,166	31,146
	Married	270,095	5,938	81,209	31,555	108,587	42,806
	Separated	4,787	158	873	1,894	1,173	689
	Divorced	51,869	803	8,002	11,274	21,108	10,682
	Widowed	67,609	417	4,411	3,707	44,116	14,958
	Not Applicable	20†	*	*	15	0	*
	Unknown	7,890	467	1,626	2,613	2,138	1,046

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Excluding newborn infants.

TABLE 4A-5
AVERAGE LENGTH OF STAY FOR DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023

Category of first-listed diagnosis	All ages	Patient's age group				
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years
All conditions	5.5	6.5	6.6	4.5	5.9	5.7
Infectious and parasitic diseases						
Septicemia	6.8	6.8	5.9	6.2	7.2	6.9
Enterocolitis due to <i>Clostridium difficile</i>	6.9	10.3	6.5	6.2	7.3	6.9
Neoplasms	5.6	4.9	4.7	4.3	5.3	6.0
Malignant neoplasms	6.5	12.3	10.3	6.5	6.2	6.4
Large intestine	6.8	13.8	11.4	8.0	6.7	6.5
Prostate	6.3	0.0	5.0	5.6	5.8	6.6
Trachea bronchus and lung	3.1	5.0	0.0	1.5	2.3	3.4
Breast	5.6	2.0	3.6	7.9	5.4	5.6
Benign neoplasms	4.1	0.0	7.0	3.9	3.6	5.2
Endocrine nutritional metabolic and immunity diseases	4.1	5.0	5.3	3.1	4.0	4.9
Diabetes mellitus	4.2	4.1	3.3	2.9	4.5	5.0
Volume depletion	5.0	3.0	2.5	3.5	5.5	6.0
Morbid obesity	3.3	2.7	2.8	2.9	3.5	3.6
Diseases of the blood and blood forming organs	1.5	1.0	1.3	1.4	1.6	1.6
Mental disorders	4.9	5.1	4.6	5.3	4.7	4.7
Psychoses	8.9	11.2	10.0	8.1	8.8	10.8
Alcoholic psychoses	9.0	13.3	10.9	8.3	8.7	10.8
Drug psychoses	5.2	1.0	5.4	4.7	5.3	6.8
Schizophrenic disorders	5.3	2.4	6.9	5.2	5.1	5.4
Manic-depressive disorders	13.3	29.7	15.3	12.8	13.2	19.5
Neurotic disorders	8.8	11.0	9.7	7.6	8.6	11.1
Anxiety states	5.7	9.1	9.9	4.7	5.4	6.5
Depression	5.9	7.2	6.2	5.0	6.4	6.6
Drug dependence	7.9	9.4	8.7	6.8	8.0	10.2
Nondependent abuse of drugs	6.1	2.0	14.7	5.6	6.1	6.8
Alcohol dependence	5.7	9.7	26.2	4.2	4.0	3.6
Diseases of the nervous system	5.1	4.5	6.0	4.7	5.3	6.6
Diseases of the eye and adnexa	6.3	4.3	4.1	5.1	6.1	7.3
Diseases of the ear and mastoid process	5.0	12.5	2.7	4.0	4.0	3.3
Diseases of the circulatory system	3.2	2.5	2.1	3.5	3.7	3.1
Heart disease	5.0	11.0	6.9	5.2	5.3	4.9
Acute myocardial infarction	4.5	14.8	6.9	4.9	4.8	4.4
Coronary arteriosclerosis	4.2	0.0	3.0	3.2	3.8	4.5
	4.9	126.0	0.0	4.5	4.9	4.8
						0.0

TABLE 4A-5 (continued)
AVERAGE LENGTH OF STAY FOR DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023

Category of first-listed diagnosis	All ages	Patient's age group					Unknown
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years	
Other ischemic heart disease	2.2	0.0	1.0	2.4	1.8	2.5	0.0
Cardiac dysrhythmias	3.0	7.5	5.3	3.5	3.3	2.9	0.0
Cardiac arrest	5.4	21.6	4.0	7.7	4.6	4.3	0.0
Congestive heart failure	5.9	30.2	27.1	6.0	5.3	5.6	0.0
Cerebrovascular diseases	6.6	11.0	8.4	7.4	7.1	6.4	17.0
Diseases of the respiratory system	5.4	3.3	4.3	5.7	6.0	5.7	0.3
Acute bronchitis and bronchiolitis	3.0	2.9	3.0	2.4	3.1	3.9	0.0
Pneumonia	4.7	3.2	3.6	3.9	4.6	5.0	0.0
Chronic bronchitis	4.1	0.0	3.0	4.6	4.1	4.1	0.0
Asthma	2.6	1.7	2.1	2.8	3.4	3.4	0.0
COVID-19	4.9	3.2	4.5	4.2	4.9	5.0	0.0
Diseases of the digestive system	4.5	4.6	4.1	4.0	4.5	4.8	0.0
Appendicitis	3.1	3.7	2.8	2.4	3.2	3.6	0.0
Noninfectious enteritis and colitis	4.6	6.2	5.9	4.1	4.4	4.7	0.0
Diverticula of intestine	4.3	2.0	3.8	3.5	4.1	4.6	0.0
Cholelithiasis	3.2	2.2	2.8	2.3	3.1	3.9	0.0
Diseases of the genitourinary system	4.2	3.6	3.1	3.3	4.2	4.5	0.0
Calculus of kidney and ureter	2.8	3.8	2.1	2.0	3.2	2.9	0.0
Diseases of the skin and subcutaneous tissue	4.3	2.5	3.4	3.5	4.5	4.9	0.0
Cellulitis and abscess	4.0	2.3	2.6	3.2	4.0	4.6	0.0
Diseases of the musculoskeletal system	4.5	4.2	4.7	4.5	4.4	4.5	0.0
Osteoarthritis and allied disorders	2.3	2.0	2.0	3.0	2.2	2.3	0.0
Invertebral disc disorders	4.1	1.0	2.2	3.1	3.6	4.7	0.0
Congenital anomalies	9.1	13.2	3.6	4.7	5.7	5.1	0.0
Conditions originating in perinatal period	9.2	9.2	0.0	1.0	6.5	0.0	0.0
Symptoms signs and ill-defined conditions	4.5	2.6	3.9	3.7	4.0	5.2	0.0
Injury and poisoning	6.1	5.3	5.0	5.8	6.3	6.3	0.7
Fractures, all sites	5.9	2.3	4.3	4.9	5.5	6.3	0.0
Fracture of neck of femur	5.3	3.4	5.2	5.5	5.2	5.3	0.0
Poisonings	4.1	2.3	2.8	3.9	4.6	5.2	1.0

Note: ^a Excluding newborn infants.



4B.

INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES AND PATIENT CHARACTERISTICS

The data on the number of procedures in this section are for inpatients only. Procedures include surgical and non-surgical operations, diagnostic procedures, and special treatments reported on the medical record. Up to six procedures were included for each discharge. These all-listed procedures include all occurrences of the procedure regardless of the order on the medical record. For comparability with the national data*, the rates of all-listed procedures are presented per 10,000 population.

Beginning in 2008, Arizona hospitals may report up to 12 surgical and non-surgical procedures per record, doubling the previously required number. However, not all hospitals have been able to meet the revised requirements. This is one reason why, in our 2008-2015 reports, we only analyzed the top six procedures. Another reason is comparability with the previously published data for 2000-2007. Starting with the 2016 report, all the 12 listed procedures in the database are being taken into account in our analysis.

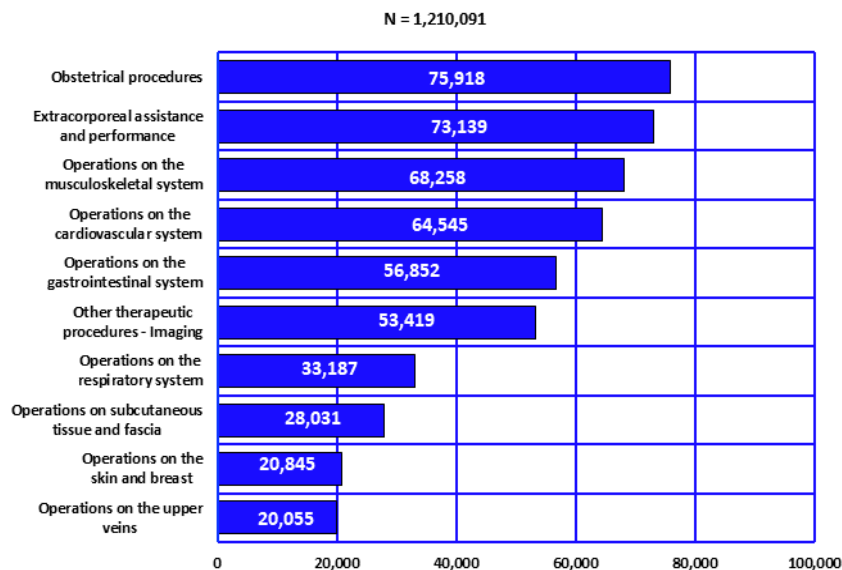
During 2015, all Arizona Hospitals transitioned to the International Classification of Diseases, 10th Revision, and Procedure Coding System (ICD-10-PCS) for coding inpatient procedures. ICD-10-PCS was implemented on October 1, 2015 in replacement of the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).

In the current report, procedure groupings and codes are based on ICD-10-PCS. ICD-10-PCS is structurally different and far more detailed with about 72,000 procedure codes than ICD-9-CM, which includes only 3,824 procedure codes. Due to the fundamental differences in coding systems, caution should be exercised in comparing 2019 hospital discharge data with data from years prior 2016. For further explanation of ICD-10-CM transition, please refer to "[The Implementation of the International Classification of Disease, Tenth Revision](#)".

*Findings of the National Hospital Discharge Survey, including estimates of the number of specific procedure categories, are available in bound reports of the National Center for Health Statistics and online at <https://archive.cdc.gov/www.cdc.gov/nchs/nhds/index.htm>. The survey collects the data on up to four surgical and non-surgical procedures.

4B. INPATIENT DISCHARGES FROM SHORT-STAY HOSPITALS BY ALL-LISTED PROCEDURES AND PATIENT CHARACTERISTICS

Figure 4B-1
Ten Leading Categories of All-listed Inpatient Procedures,
Arizona Residents, 2023

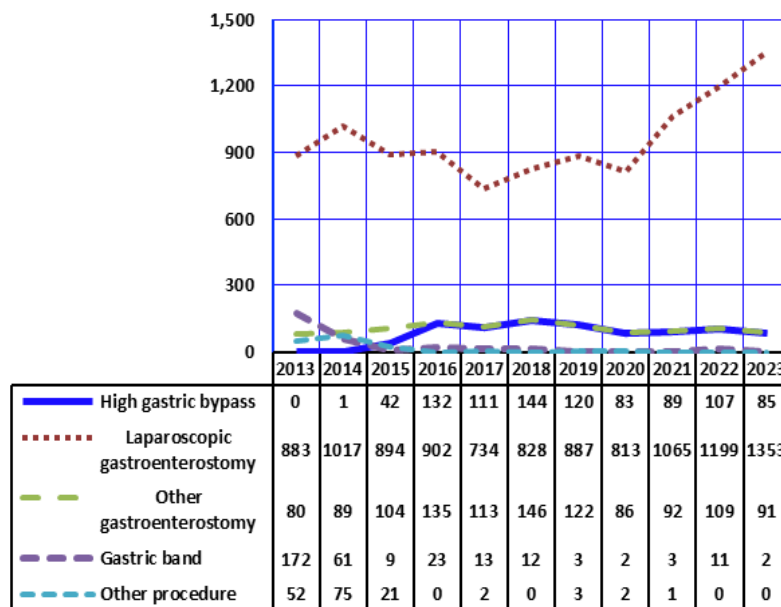


Note: Excludes newborn infants.

During 2023, 1,210,091 procedures were performed among the 702,383 (Table 4A-1) total inpatient discharges to Arizona residents. The 2023 rate of procedures was 1608.1 per 10,000 population, representing an increase from the 2022 rate of 1545.3 per 10,000.

No specific procedure was recorded for 40.3 percent of all inpatient discharges. Only 2.0 percent of inpatients had six procedures reported while 0.9 of inpatients had 12 procedures recorded. Among the inpatient discharges which had one or more specific procedures recorded, the most frequent were *obstetrical procedures*, followed by *extracorporeal assistance and performance*, and *operations on the musculoskeletal system* (Figure 4B-1, Table 4B-1).

Figure 4B-2
Trends in Types of Inpatient Procedures Performed in Treatment of Morbid Obesity, Arizona Residents, 2013-2023



Note: The frequency counts in Figure 4B-2 are based on the principal procedure. The tabulated data use all twelve listed procedures.

Bariatrics is a branch of medicine that deals with the surgical treatment of obesity. Bariatric surgery has seen a rather dramatic increase in its popularity. A typical candidate for gastrointestinal surgery has a body mass index (BMI) of 40 or more – about 100 pounds overweight for men and 80 pounds for women. Bariatric surgery may also be considered for someone whose BMI is between 35 and 39.9 and who has a serious obesity-related health problem (such as type 2-diabetes, heart disease, or severe sleep apnea).

In 2023, *morbid obesity* was the principal diagnosis for 4,375 inpatient hospitalizations (Table 4A-1). The number of *gastric bypass* surgeries, once the most common bariatric procedure, declined from a high of 2,123 in 2003 to fewer than 10 gastric bypass surgeries being completed collectively between 2007-2014. Since 2015, the number of *gastric bypass procedures* has seen a dramatic increase (Figure 4B-2). As in any years since 2011, *laparoscopic gastroenterostomy* remained the most popular procedure, with 1,353 surgeries performed in 2023.

TABLE 4B-1
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2023

Procedures by category	Total	Age group					Un- known
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years	
All procedures	1,210,091	58,826	23,081	330,544	296,668	500,899	73
Operations on the central nervous system	18,085	1,939	411	3,521	5,031	7,183	0
Spinal tap	6,723	1,422	174	1,448	1,652	2,027	0
Operations on the peripheral nervous system	8,643	57	103	1,223	2,834	4,426	0
Operations on the heart and great vessels	64,545	2,461	470	6,319	17,746	37,547	*
Heart transplant	86	9	7	17	39	14	0
Coronary artery bypass graft	3,780†	*	0	63	1,243	2,471	0
Cardiac catheterization	20,541	141	35	1,073	6,686	12,605	*
Insertion, replacement, removal, of pacemaker leads	5,879	53	9	170	933	4,714	0
Operations on the upper arteries	14,446	319	122	1,637	4,145	8,223	0
Operations on the lower arteries	7,850	334	71	780	1,974	4,689	*
Operations on the upper veins	20,055	246	142	3,045	5,832	10,790	0
Operations on the lower veins	10,640	1,130	67	1,102	3,320	5,021	0
Operations on the lymphatic and hemic systems	9,588	280	130	1,090	2,825	5,262	*
Operations on the eye	507	49	21	149	129	159	0
Operations on the ear, nose, sinus	1,243	228	46	260	330	379	0
Operations on the respiratory system	33,187	2,491	462	5,736	9,744	14,735	19
Bronchoscopy with or without biopsy	3,539	221	62	575	1,033	1,648	0
Operations on the mouth and throat	3,144	851	148	632	683	829	*
Operations on the gastrointestinal system	56,852	2,675	868	11,483	16,286	25,538	*
Implantation of gastric band	0†	0	0	*	*	0	0
Endoscopy of small intestine with or without biopsy	13,632	260	201	2,533	3,890	6,748	0
Endoscopy of large intestine with or without biopsy	8,913	177	132	1,220	2,500	4,884	0
Appendectomy, excluding incidental	3,602	614	211	1,029	916	832	0
Operations on the hepatobiliary system and pancreas	15,691	141	244	3,282	4,595	7,429	0
Cholecystectomy	7,550	53	180	2,145	2,246	2,926	0
Operations on the endocrine system	989	23	27	197	341	401	0
Operations on the skin and breast	20,845	300	932	12,198	3,568	3,845	*
Breast surgery	1,080†	0	*	249	553	278	0

TABLE 4B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2023

Procedures by category	Total	Age group					
		Children <15 years	Adoles- cents 15-19 years	Young adults 20-44 years	Middle- aged adults 45-64 years	Elderly 65+ years	Un- known
Operations on the subcutaneous tissue and fascia	28,031	718	504	5,369	9,095	12,345	0
Operations on the musculoskeletal system	68,258	1,300	1,850	21,051	14,731	29,325	*
Open reduction of fracture with or without internal fixation	7,902	211	260	1,568	1,669	4,194	0
Total hip replacement	2,700†	*	7	71	571	2,048	0
Total knee replacement	3,210†	6	*	25	705	2,473	0
Operations on the urinary system	19,667	289	182	3,372	5,685	10,139	0
Kidney transplant	200†	*	*	53	100	48	0
Operations on the male reproductive system	5,591	3,874	25	263	473	956	0
Prostatectomy	970†	*	0	11	215	742	0
Operations on the female reproductive system	17,931	79	881	14,994	1,122	855	0
Oophorectomy and salpingo-oophorectomy	2,947	12	14	1,635	771	515	0
Hysterectomy	1,840†	0	*	708	688	438	0
Obstetrical procedures	75,918	27	3,394	72,341	156	0	0
Episiotomy with or without forceps or vacuum extraction	2,300†	*	167	2,127	*	0	0
Artificial rupture of membranes	22,705	7	1,143	21,527	28	0	0
Cesarean section	22,370†	*	546	21,732	87	0	0
Other therapeutic procedures - Imaging	53,419	1,157	309	4,897	15,303	31,752	*
Computerized tomography (CT Scan)	2,113	57	18	325	686	1,027	0
Magnetic resonance imaging (MRI)	986	466	40	105	147	228	0
Other therapeutic procedures - Nuclear medicine	110†	24	*	12	34	41	0
Other therapeutic procedures - Radiation therapy	130†	6	*	16	47	55	0
Extracorporeal assistance and performance	73,139	6,095	585	9,321	21,385	35,728	25
Hemodialysis	20,218	33	47	2,899	7,895	9,344	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 4B-2
NUMBER OF PROCEDURES BY CATEGORY AND GENDER, ARIZONA, 2023**

Procedures by category	Total	Patient's gender		
		Male	Female	Unknown
All procedures	1,210,091	568,729	640,930	432
Operations on the central nervous system	18,085	9,399	8,680	6
Spinal tap	6,723	3,561	3,162	0
Operations on the peripheral nervous system	8,643	4,666	3,973	*
Operations on the heart and great vessels	64,545	38,648	25,887	10
Heart transplant	86	59	27	0
Coronary artery bypass graft	3,778	2,957	821	0
Cardiac catheterization	20,541	12,944	7,595	*
Insertion, replacement, removal, of pacemaker leads	5,879	3,497	2,382	0
Operations on the upper arteries	14,446	8,219	6,224	*
Operations on the lower arteries	7,850	4,734	3,105	11
Operations on the upper veins	20,055	9,409	10,642	*
Operations on the lower veins	10,640	6,804	3,831	*
Operations on the lymphatic and hemic systems	9,588	4,932	4,654	*
Operations on the eye	507	328	177	*
Operations on the ear, nose, sinus	1,243	722	518	*
Operations on the respiratory system	33,187	18,681	14,466	40
Bronchoscopy with or without biopsy	3,539	2,049	1,486	*
Operations on the mouth and throat	3,144	1,925	1,215	*
Operations on the gastrointestinal system	56,852	26,584	30,258	10
Implantation of gastric band	0†	0	*	0
Endoscopy of small intestine with or without biopsy	13,632	6,594	7,038	0
Endoscopy of large intestine with or without biopsy	8,913	4,336	4,577	0
Appendectomy, excluding incidental	3,602	1,844	1,758	0
Operations on the hepatobiliary system and pancreas	15,691	7,318	8,370	*
Cholecystectomy	7,550	3,155	4,394	*
Operations on the endocrine system	989	432	557	0
Operations on the skin and breast	20,845	6,135	14,696	14
Breast surgery	1,082	40	1,042	0

TABLE 4B-2 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND GENDER, ARIZONA, 2023

Procedures by category	Total	Patient's gender		
		Male	Female	Unknown
Operations on the subcutaneous tissue and fascia	28,031	16,010	12,011	10
Operations on the musculoskeletal system	68,258	27,242	40,980	36
Open reduction of fracture with or without internal fixation	7,902	3,410	4,477	15
Total hip replacement	2,699	1,018	1,681	0
Total knee replacement	3,210	1,207	2,003	0
Operations on the urinary system	19,667	10,278	9,387	*
Kidney transplant	204	145	59	0
Operations on the male reproductive system	5,591	5,543	37	11
Prostatectomy	970†	968	*	0
Operations on the female reproductive system	17,931	7	17,923	*
Oophorectomy and salpingo-oophorectomy	2,950†	*	2,943	0
Hysterectomy	1,840†	*	1,831	0
Obstetrical procedures	75,920†	*	75,915	*
Episiotomy with or without forceps or vacuum extraction	2,297	0	2,297	0
Artificial rupture of membranes	22,710†	*	22,704	0
Cesarean section	22,370	0	22,369	*
Other therapeutic procedures - Imaging	53,419	31,006	22,407	6
Computerized tomography (CT Scan)	2,113	1,120	993	0
Magnetic resonance imaging (MRI)	986	500	486	0
Other therapeutic procedures - Nuclear medicine	113	55	58	0
Other therapeutic procedures - Radiation therapy	127	62	65	0
Extracorporeal assistance and performance	73,139	42,559	30,531	49
Hemodialysis	20,218	11,305	8,913	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 4B-3
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2023**

Procedures by category	Total	Race/ethnicity					Refused /Unknown
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	
All procedures	1,210,091	55,487	30,190	67,719	247,118	793,991	15,586
Operations on the central nervous system	18,085	702	429	1,116	3,203	12,333	302
Spinal tap	6,723	337	145	584	1,451	4,097	109
Operations on the peripheral nervous system	8,643	224	173	361	1,154	6,618	113
Operations on the heart and great vessels	64,545	2,691	1,408	3,205	9,825	46,674	742
Heart transplant	90†	*	*	9	23	51	0
Coronary artery bypass graft	3,778	81	101	73	562	2,916	45
Cardiac catheterization	20,541	603	448	1,000	3,095	15,142	253
Insertion, replacement, removal, of pacemaker leads	5,879	143	125	177	640	4,722	72
Operations on the upper arteries	14,446	606	292	769	2,306	10,199	274
Operations on the lower arteries	7,850	303	158	394	1,338	5,549	108
Operations on the upper veins	20,055	887	318	1,409	3,420	13,806	215
Operations on the lower veins	10,640	561	248	554	1,965	7,169	143
Operations on the lymphatic and hemic systems	9,588	240	290	473	1,447	7,040	98
Operations on the eye	507	36	9	30	129	291	12
Operations on the ear, nose, sinus	1,243	66	50	78	275	747	27
Operations on the respiratory system	33,187	1,424	773	2,262	5,856	22,339	533
Bronchoscopy with or without biopsy	3,539	130	93	246	577	2,437	56
Operations on the mouth and throat	3,144	141	80	272	644	1,964	43
Operations on the gastrointestinal system	56,852	2,486	1,387	3,146	11,108	38,106	619
Implantation of gastric band	0†	0	0	0	*	*	0
Endoscopy of small intestine with or without biopsy	13,632	827	287	731	2,348	9,296	143
Endoscopy of large intestine with or without biopsy	8,913	376	215	459	1,354	6,425	84
Appendectomy, excluding incidental	3,602	128	89	148	1,017	2,172	48
Operations on the hepatobiliary system and pancreas	15,691	789	427	600	3,637	10,057	181
Cholecystectomy	7,550	390	164	268	2,041	4,597	90
Operations on the endocrine system	989	33	34	54	194	661	13
Operations on the skin and breast	20,845	1,021	540	1,146	5,641	12,126	371
Breast surgery	1,082	20	35	64	178	778	7

TABLE 4B-3 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2023

Procedures by category	Total	Race/ethnicity					Refused /Unknown
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	
Operations on the subcutaneous tissue and fascia	28,031	1,856	566	1,829	5,274	18,154	352
Operations on the musculoskeletal system	68,258	2,628	1,903	2,866	12,752	47,209	900
Open reduction of fracture with or without internal fixation	7,902	349	101	275	1,315	5,712	150
Total hip replacement	2,699	34	44	68	145	2,382	26
Total knee replacement	3,210	65	101	107	274	2,627	36
Operations on the urinary system	19,667	769	512	930	3,489	13,738	229
Kidney transplant	204	6	16	11	78	92	*
Operations on the male reproductive system	5,591	113	286	434	971	3,730	57
Prostatectomy	969	10	19	48	129	750	13
Operations on the female reproductive system	17,931	781	616	1,208	6,415	8,692	219
Oophorectomy and salpingo-oophorectomy	2,947	121	114	195	818	1,662	37
Hysterectomy	1,835	79	96	173	371	1,091	25
Obstetrical procedures	75,918	2,876	3,077	5,138	28,794	35,163	870
Episiotomy with or without forceps or vacuum extraction	2,297	63	129	129	756	1,183	37
Artificial rupture of membranes	22,705	922	876	1,475	8,720	10,474	238
Cesarean section	22,370	860	1,020	1,704	8,206	10,290	290
Other therapeutic procedures - Imaging	53,419	2,245	1,031	2,475	8,367	38,631	670
Computerized tomography (CT Scan)	2,113	70	43	173	409	1,357	61
Magnetic resonance imaging (MRI)	986	56	29	85	285	512	19
Other therapeutic procedures - Nuclear medicine	113	7	6	6	26	68	0
Other therapeutic procedures - Radiation therapy	127	7	7	8	32	72	*
Extracorporeal assistance and performance	73,139	4,515	1,762	5,303	13,826	46,785	948
Hemodialysis	20,218	2,482	638	2,095	5,225	9,602	176

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 4B-4
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2023**

Procedures by category	Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
All procedures	1,210,091	30,481	312,261	311,392	375,726	180,231
Operations on the central nervous system	18,085	348	5,175	4,397	5,722	2,443
Spinal tap	6,723	182	1,810	2,300	1,680	751
Operations on the peripheral nervous system	8,643	152	2,321	1,270	3,410	1,490
Operations on the heart and great vessels	64,545	1,044	12,233	11,672	27,492	12,104
Heart transplant	86	8	36	11	19	12
Coronary artery bypass graft	3,778	48	881	378	1,771	700
Cardiac catheterization	20,541	544	4,515	2,787	8,980	3,715
Insertion, replacement, removal, of pacemaker leads	5,879	45	795	421	3,434	1,184
Operations on the upper arteries	14,446	282	2,657	2,885	5,807	2,815
Operations on the lower arteries	7,850	140	1,404	1,408	3,458	1,440
Operations on the upper veins	20,055	407	3,578	4,577	8,332	3,161
Operations on the lower veins	10,640	225	2,415	2,604	3,698	1,698
Operations on the lymphatic and hemic systems	9,588	141	2,497	1,408	3,791	1,751
Operations on the eye	507	37	80	211	125	54
Operations on the ear, nose, sinus	1,243	30	361	382	323	147
Operations on the respiratory system	33,187	809	6,566	9,184	11,358	5,270
Bronchoscopy with or without biopsy	3,539	48	744	874	1,283	590
Operations on the mouth and throat	3,144	122	929	1,105	670	318
Operations on the gastrointestinal system	56,852	1,298	14,619	13,108	19,025	8,802
Implantation of gastric band	0†	0	*	*	0	0
Endoscopy of small intestine with or without biopsy	13,632	293	2,744	3,239	5,115	2,241
Endoscopy of large intestine with or without biopsy	8,913	190	2,023	1,593	3,577	1,530
Appendectomy, excluding incidental	3,602	230	1,394	1,023	628	327
Operations on the hepatobiliary system and pancreas	15,691	411	4,266	3,296	5,501	2,217
Cholecystectomy	7,550	281	2,300	1,869	2,161	939
Operations on the endocrine system	989	25	336	184	301	143
Operations on the skin and breast	20,845	912	7,273	7,642	3,012	2,006
Breast surgery	1,082	38	593	141	200	110

TABLE 4B-4 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2023

Procedures by category	Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
Operations on the subcutaneous tissue and fascia	28,031	696	5,319	7,515	10,143	4,358
Operations on the musculoskeletal system	68,258	1,808	19,004	14,760	22,177	10,509
Open reduction of fracture with or without internal fixation	7,902	286	1,489	1,650	3,068	1,409
Total hip replacement	2,699	25	387	180	1,490	617
Total knee replacement	3,210	23	538	156	1,831	662
Operations on the urinary system	19,667	416	4,635	3,643	7,587	3,386
Kidney transplant	200†	*	80	15	90	16
Operations on the male reproductive system	5,591	226	3,098	1,189	677	401
Prostatectomy	969	22	228	63	494	162
Operations on the female reproductive system	17,931	687	7,753	7,862	670	959
Oophorectomy and salpingo-oophorectomy	2,947	146	1,168	975	371	287
Hysterectomy	1,835	106	794	409	326	200
Obstetrical procedures	75,918	3,156	34,697	34,578	133	3,354
Episiotomy with or without forceps or vacuum extraction	2,300†	165	1,066	940	*	121
Artificial rupture of membranes	22,705	878	10,387	10,379	35	1,026
Cesarean section	22,370	914	10,662	9,795	63	936
Other therapeutic procedures - Imaging	53,419	1,200	11,063	8,794	21,584	10,778
Computerized tomography (CT Scan)	2,113	40	405	543	511	614
Magnetic resonance imaging (MRI)	986	31	292	415	103	145
Other therapeutic procedures - Nuclear medicine	110†	*	31	29	28	23
Other therapeutic procedures - Radiation therapy	130†	*	32	38	33	23
Extracorporeal assistance and performance	73,139	1,340	11,886	17,843	30,430	11,640
Hemodialysis	20,218	166	2,229	4,311	9,964	3,548

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.



4C.

CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY, DIAGNOSIS GROUP, AND AGE GROUP

This section focuses on ambulatory care visits to emergency rooms of non-Federal, short-stay hospitals. The emergency room (ER) and the inpatient hospitalization data are mutually exclusive. The ER data include only those who were not admitted as inpatients.

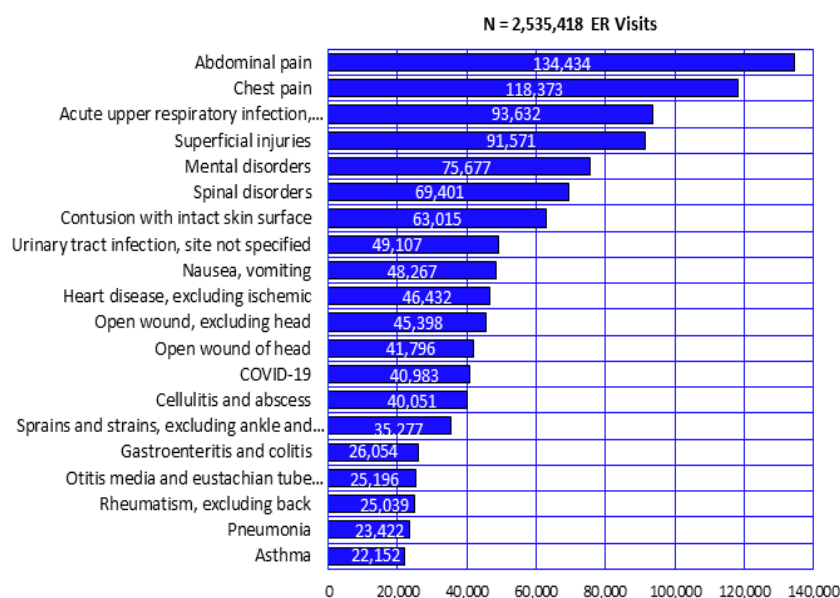
All emergency room visits are those of the residents of Arizona. Ambulatory care visits to hospital emergency rooms of out-of-state residents are not included in this report. In the current report, diagnostic groupings and code numbers are solely based on the International Classification of Diseases and Related Problems, 10th Revision, Clinical Modification ICD-10-CM. Prior to 2015, the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) was used to classify diseases and related health problems. On October 1, 2015, the US healthcare system transitioned from ICD-9-CM to ICD-10-CM, thus both ICD-9-CM and ICD-10-CM were used in the 2015 report of ER visits.

Please refer to "[The Implementation of the International Classification of Disease, Tenth Revision,](#)" for further explanation of ICD-10-CM transition.

*Findings of the National Hospital Ambulatory Medical Care Survey, including data on trends in ER utilization, are available in bound reports of the National Center for Health Statistics and online at <https://www.cdc.gov/nchs/nhamcs/about/index.html>

4C. CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY, DIAGNOSIS GROUP, AND AGE GROUP

Figure 4C-1
Number of Emergency Room Visits by the Leading Diagnostic Groupings,
Arizona Residents, 2023



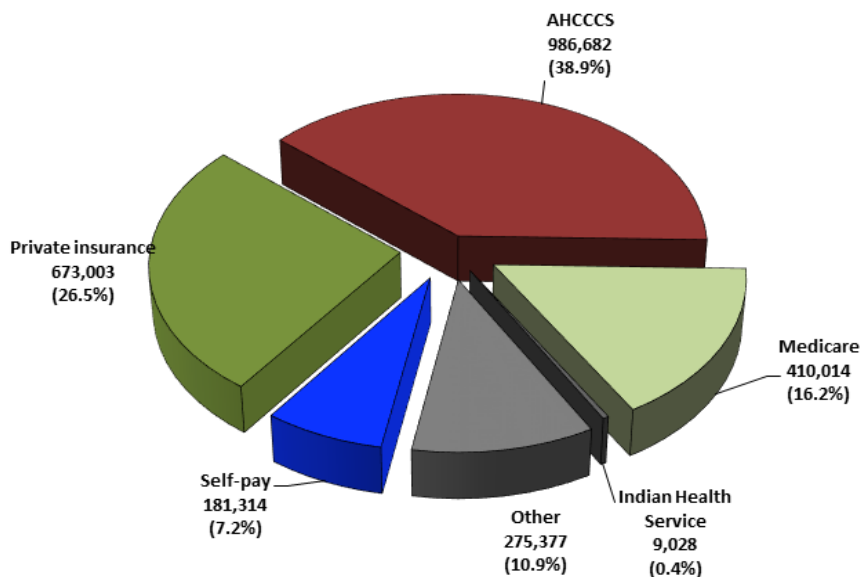
During 2023, approximately 2.5 million visits were made by Arizona residents to hospital emergency rooms (ER), which translate to 33.7 visits per 100 persons.

In 2023, *abdominal pain, chest pain, acute upper respiratory infection, superficial injuries, mental disorders, spinal disorders, and contusion with intact skin surface*, were the leading diagnostic categories, accounting for 25.5 percent of all visits (**Figure 4C-1, Table 4C-2**).

[*www.cdc.gov/nchs/data/nhsr/nhsr007.pdf](https://www.cdc.gov/nchs/data/nhsr/nhsr007.pdf)

Notes: Based on first-listed diagnosis; See Table 4C-2.

Figure 4C-2
Emergency Room Visits by Payer, Arizona Residents, 2023



The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) was the most frequently recorded expected source of payment, accounting for 38.9 percent of ER visits (**Figure 4C-3**). Private insurance was the second most frequent payer (26.5 percent of ER visits), followed by Medicare (16.2 percent).

Notes: Number of visits per 100 persons; The actual number of ER visits for each group is provided below the bars.

TABLE 4C-1
NUMBER OF EMERGENCY ROOM VISITS BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2023

Category of first-listed diagnosis	All Ages	Age group					Unknown
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	
	2,535,418	388,261	138,312	870,002	576,216	562,291	336
Total, all causes		20,985	3,591	17,169	8,987	7,298	*
Infectious and parasitic diseases	58,031	275	95	1,789	2,375	2,753	0
Neoplasms	7,287						
Endocrine nutritional metabolic and immunity diseases	64,669	2,889	2,102	21,125	20,986	17,565	*
Diabetes mellitus	18,150	647	452	5,070	7,164	4,817	0
Mental disorders	75,677	2,508	5,101	40,410	19,553	8,052	53
Psychoses	49,503	681	2,483	27,696	13,783	4,811	49
Alcoholic psychoses	8,182	61	363	4,840	2,432	478	8
Drug psychoses	2,567	75	282	1,614	453	143	0
Schizophrenic disorders	600†	*	17	330	189	62	0
Manic-depressive disorders	5,040	448	700	2,081	1,237	573	*
Neurotic disorders	62,981	2,040	4,077	34,140	16,904	5,768	52
Anxiety states	16,917	555	1,325	8,985	3,764	2,288	0
Depression	3,275	315	550	1,274	731	404	*
Drug dependence	2,320†	*	71	1,472	556	211	0
Nondependent abuse of drugs	9,239	128	522	5,942	2,214	426	7
Alcohol dependence	5,464	8	19	3,020	2,019	394	*
Diseases of the nervous system	56,458	2,998	2,662	22,215	16,184	12,390	9
Diseases of the eye and adnexa ^b	25,221	5,926	1,113	7,707	5,768	4,707	0
Diseases of the ear and mastoid process ^b	43,442	20,529	2,318	10,461	5,684	4,450	0
Diseases of the circulatory system	95,115	1,468	849	12,811	29,430	50,486	71
Diseases of the respiratory system	241,035	93,574	13,275	62,786	36,727	34,668	*
Acute bronchitis and bronchiolitis	16,338	8,034	385	3,061	2,456	2,402	0
Pneumonia	23,422	3,943	700	5,486	5,879	7,414	0
Chronic bronchitis	10,702	57	17	390	3,785	6,453	0
Asthma	22,152	7,235	1,369	8,015	3,811	1,722	0
COVID-19	40,983	6,405	1,488	10,858	8,888	13,344	0
Diseases of the digestive system	179,196	20,531	7,773	66,678	45,732	38,481	*
Diseases of the genitourinary system	156,308	10,399	8,852	63,011	36,194	37,851	*
Diseases of the skin and subcutaneous tissue	85,697	12,336	4,755	32,102	21,437	15,066	*
Diseases of the musculoskeletal system	186,021	10,028	7,177	60,151	58,811	49,847	7
Symptoms signs and ill-defined conditions	598,461	71,682	31,179	204,943	149,566	141,040	51
Injury and poisoning	498,184	93,601	37,652	157,126	98,283	111,418	104
Fractures, all sites	77,557	14,554	4,787	19,736	16,783	21,692	*
Sprains	47,692	7,316	5,484	18,047	10,249	6,596	0
Intracranial	15,928	2,746	2,061	4,967	2,688	3,461	*
Open wounds	102,991	21,408	7,070	34,174	17,869	22,422	48
Superficial injuries	91,571	17,193	6,829	27,327	17,940	22,272	10
Contusions with intact skin surface	63,015	10,657	4,618	17,927	12,520	17,288	*
Foreign bodies	10,776	4,068	452	3,045	1,665	1,546	0
Burns and corrosions	7,609	1,887	588	2,867	1,512	754	*
Trauma complications and unspecified injuries	35,686	9,714	2,157	7,984	5,399	10,422	10
Poisonings	11,505	1,605	1,506	5,539	1,919	929	7
Surgical and medical complications	16,930	856	340	3,225	4,651	7,858	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6.

**TABLE 4C-2
NUMBER OF EMERGENCY ROOM VISITS FOR THE LEADING DIAGNOSIS GROUPS^a AND AGE GROUP, ARIZONA, 2023**

Primary diagnosis group	All Ages	Age group					Unknown
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	
Total, all causes	2,535,418	388,261	138,312	870,002	576,216	562,291	336
Abdominal pain	134,434	15,359	8,717	56,550	32,909	20,897	*
Chest pain	118,373	2,740	4,206	42,311	40,080	29,033	*
Acute upper respiratory infection, excluding pharyngitis	93,632	51,962	4,199	19,882	10,005	7,584	0
Superficial injuries	91,571	17,193	6,829	27,327	17,940	22,272	10
Mental disorders	75,677	2,508	5,101	40,410	19,553	8,052	53
Spinal disorders	69,401	1,550	1,953	24,302	23,020	18,573	*
Contusion with intact skin surface	63,015	10,657	4,618	17,927	12,520	17,288	*
Urinary tract infection, site not specified	49,107	5,072	2,488	14,755	10,188	16,603	*
Nausea, vomiting	48,267	12,971	3,924	18,899	7,222	5,250	*
Heart disease, excluding ischemic	46,432	396	284	5,211	13,822	26,650	69
Open wound, excluding head	45,398	4,304	3,699	19,633	9,179	8,557	26
Open wound of head	41,796	11,812	2,570	9,462	6,155	11,786	11
COVID-19	40,983	6,405	1,488	10,858	8,888	13,344	0
Cellulitis and abscess	40,051	3,645	1,270	14,503	11,773	8,859	*
Sprains and strains, excluding ankle and back	35,277	4,674	3,431	13,038	8,387	5,747	0
Gastroenteritis and colitis	26,054	4,938	1,502	9,431	5,647	4,536	0
Otitis media and eustachian tube disorders	25,196	16,844	1,195	4,529	1,730	898	0
Rheumatism, excluding back	25,039	967	810	8,672	8,046	6,542	*
Pneumonia	23,422	3,943	700	5,486	5,879	7,414	0
Asthma	22,152	7,235	1,369	8,015	3,811	1,722	0
Acute pharyngitis	17,606	4,704	2,331	7,549	1,989	1,033	0
Chronic and unspecified bronchitis	17,115	611	229	2,538	5,570	8,167	0
Fever	15,392	11,792	438	1,457	843	862	0
Migraine	13,339	538	932	7,068	3,839	962	0
Sprains and strains of neck and back	3,803	213	299	1,793	1,014	484	0
Unspecified viral and chlamydial infection	276	26	54	174	15	7	0
Headache	10†	0	0	*	*	*	0

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a Based on first-listed diagnosis.



4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Prior to 2009, injury hospitalizations and injury-related emergency room visits were defined here through the range of ICD-9-CM codes 800-999 used as the first-listed diagnosis. In addition, the supplementary classification of external causes of injury and poisoning (ICD-9-CM codes E800-E999) is used to permit the classification of environmental events, circumstances, and conditions as the cause of injury, poisoning, and other adverse effects. The “E” code classification is used to describe both the *mechanism* of external cause of injury (e.g., motor vehicle traffic, fall, poisoning), but also the manner or *intent* of the injury (e.g., suicide, assault, accident).

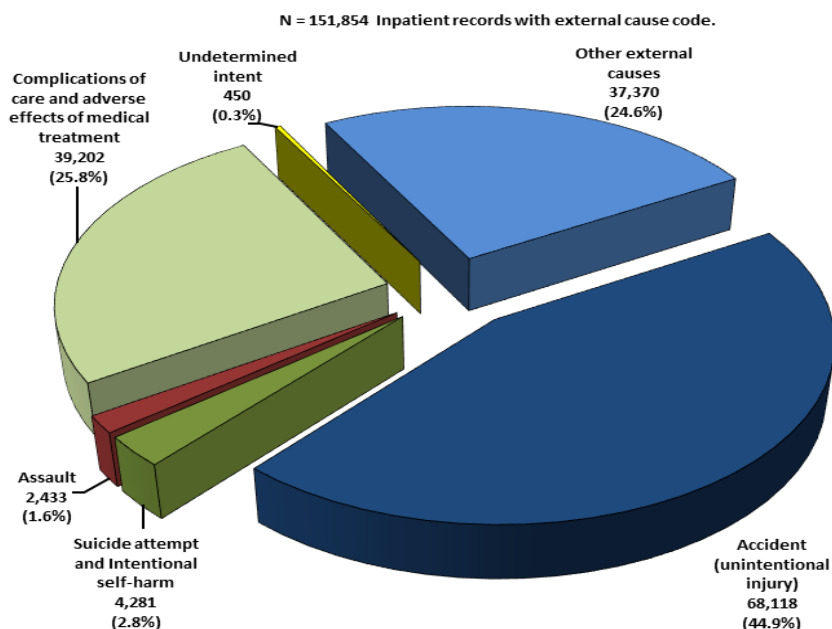
In 2009, the reporting requirements for hospitals were revised and the non-injury first-listed diagnoses may also have an external cause of injury code (E-code). Beginning with the 2009 edition of this report, the reader is advised that the number of suicides, accidents, etc. shown in **Table 4D-1** and **Table 4D-2** no longer reflect only those where the principal diagnosis was an injury. To continue to do so would only mean undercounting the external causes of injury. As an example, in 2009 forward, among the suicide attempt-related ER visits, *injury and poisoning, mental disorders, chronic disease, infectious disease, or ill-defined conditions* were identified as the first-listed diagnosis.

In 2015, injury hospitalizations and injury-related emergency room visits data were recorded and classified using ICD-9-CM in the first three quarters of the year and ICD-10-CM in the last quarter. Under ICD-10-CM, external causes of morbidity capture how and where the injury or health condition occurred, the intent or mechanism (accidental or intentional), the activity of the patient at the time of the event and the patient’s status (for example civilian, student). For further explanation of ICD-10-CM transition, please refer to “[The Implementation of the International Classification of Disease, Tenth Revision](#)”.

Beginning 2016, injury hospitalizations and injury-related emergency room visits are coded exclusively based on ICD-10-CM, external causes of morbidity. Readers are advised to avoid comparison of current year data to years prior 2015 due to a changeover in coding from ICD-9-CM and ICD-10-CM.

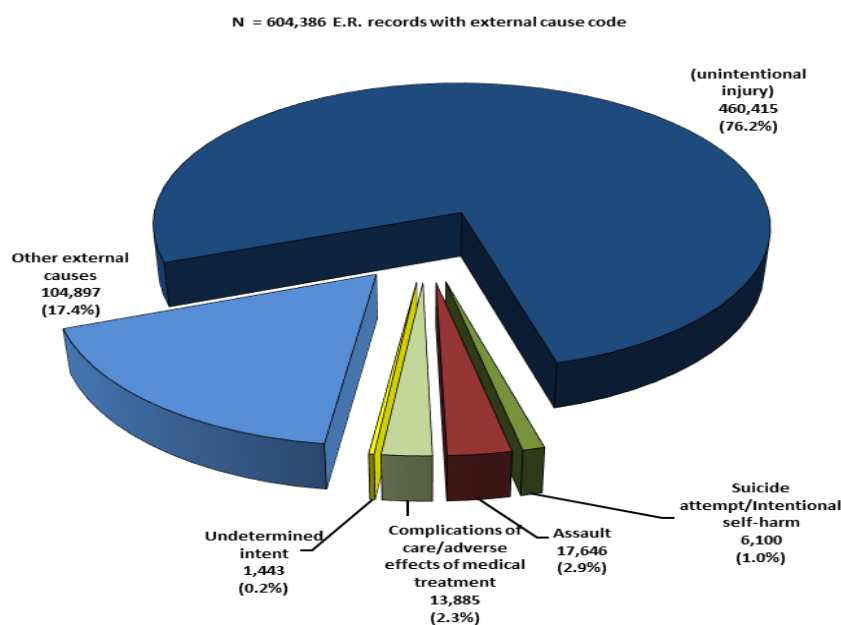
4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Figure 4D-1
Percent Distribution of Inpatient Discharges by Intent of Injury,
Arizona Residents, 2023



In 2023, injury and poisoning as a joint category was indicated as the principal diagnosis on 74,699 inpatient discharge records (**Table 4A-1**). *Unintentional injuries or accidents* accounted for the absolute majority of inpatient hospitalizations by the intent of injury (44.9 percent) and *complications of medical care and adverse effects of medical treatment* accounted for 25.8 percent of all inpatient discharges by intent of injury. *Assault* accounted for 2,433 inpatient hospitalizations (1.6 percent of all hospital discharges with known intent of injury). *Intentional self-inflicted injuries* including *suicide attempt* resulted in 4,281 inpatient hospitalizations (2.8 percent).

Figure 4D-2
Percent Distribution of Emergency Room Visits by Intent of
Injury, Arizona Residents, 2023



In 2023, *Unintentional injuries or accidents* accounted for eight out of ten (460,415 or 76.2 percent) of all injury-related emergency room visits (**Figure 4D-2, Table 4D-2**). The external cause of injury was classified as *assault* for 17,646 emergency room visits: these were the injuries purposely inflicted by another person. *Complications of medical/surgical care* accounted for a greater number of emergency room visits than *intentional self-inflicted injuries* (2.3 percent vs. 1.0 percent, respectively; **Figure 4D-3, Table 4D-2**).

4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Figure 4D-3
Intentional self-inflicted injury Inpatient Discharges by Year,
Arizona Residents, 2013–2023

Self-inflicted injuries result from actions of individuals trying to deliberately harm themselves (i.e. behavior with no suicide intent) or kill themselves (i.e. suicide attempt). Beginning in 2008, there was a substantial increase in the number of *intentional self-inflicted injuries* related inpatient discharges and emergency room visits (**Figure 4D-3** and **Table 4D-2**), partly due to the change in the reporting requirements for hospitals.

In 2023, there were 4,281 inpatient discharges attributed to intentional self-inflicted injuries. *Mental disorders* were identified as the principal diagnosis on 1,984 intentional self-inflicted injury/suicide attempt-related records. *Injury or poisoning* was the principal diagnosis on 2,194 inpatient discharge records related to self-inflicted injuries.

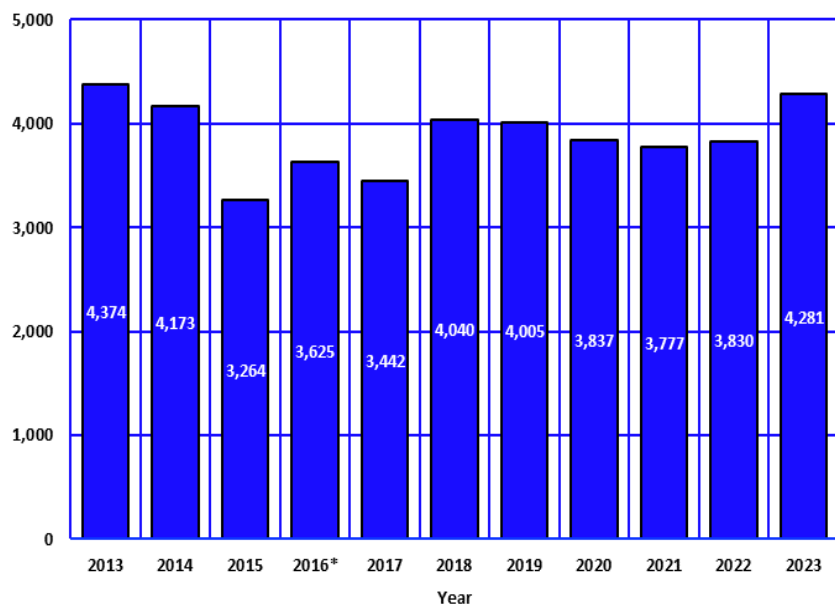
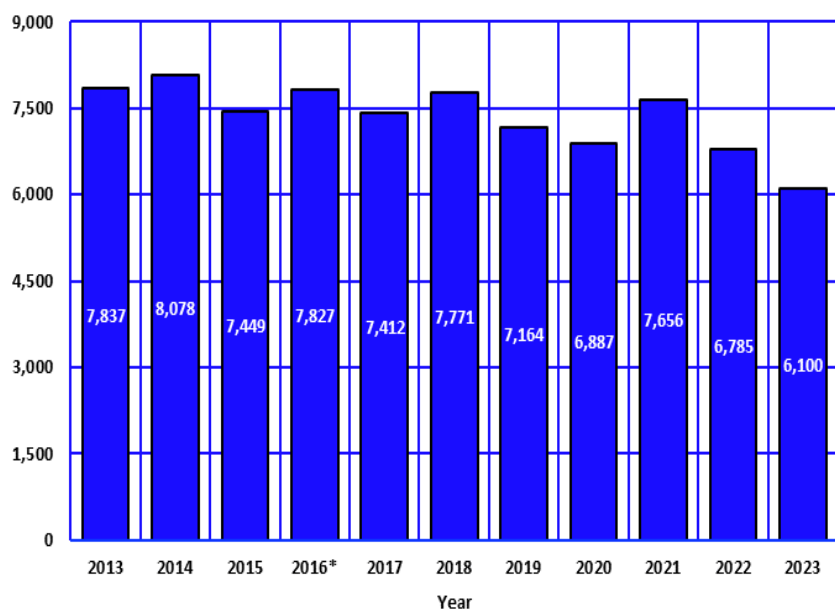


Figure 4D-4
Intentional self-inflicted injury Emergency Room Visits by Year,
Arizona Residents, 2013–2023

In 2023, self-inflicted injuries resulting in ER visits accounted for 6,100, a decrease of 10.1 percent from 2022. Of all the ER visits related to *intentional self-inflicted injuries*, *mental disorders* were identified as the principal diagnosis on 255 ER discharges. *Injury or poisoning* was recorded as the principal diagnosis on 5,264 (86.3 percent) ER discharges related to self-inflicted injury.



**TABLE 4D-1
INPATIENT DISCHARGES BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND
RACE/ETHNICITY, ARIZONA, 2023**

	Total ^a	Gender			Age group						Race/ethnicity					
		Male	Female	Unknown	Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Refused/Unknown
UNINTENTIONAL INJURY OR ACCIDENT	68,118	34,766	33,282	70	1,641	1,553	11,036	13,631	40,243	14	3,054	986	2,509	8,970	51,544	1,055
Falls	42,115	18,528	23,575	12	392	180	2,414	6,437	32,689	*	1,462	613	990	4,531	34,038	481
Transport accidents	10,107	6,573	3,483	51	344	684	3,892	2,805	2,376	6	517	173	531	1,947	6,581	358
Natural and environmental factors	9,826	5,835	3,989	*	530	423	2,712	2,608	3,550	*	619	133	623	1,471	6,868	112
Exposure to excessive natural heat	1,060	814	246	0	7	7	349	387	308	*	58	8	103	215	654	22
Fire and flames	519	343	174	*	41	18	173	181	106	0	65	8	35	45	350	16
Machinery	200†	190	13	0	*	*	84	66	45	0	9	*	7	57	118	9
SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM	4,281	1,801	2,472	8	460	942	1,864	722	291	*	300	68	262	762	2,829	60
ASSAULT	2,433	1,845	576	12	88	229	1,379	572	164	*	347	29	284	500	1,176	97
INJURIES OF UNDETERMINED INTENT	450†	285	164	*	39	32	170	117	92	0	40	*	48	78	272	9
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	39,202	21,650	17,549	*	709	327	5,313	12,057	20,796	0	1,583	903	2,209	6,896	27,281	330
Misadventures to patients	380†	195	184	0	13	*	62	91	209	0	21	*	17	69	258	9
Surgical and medical procedures as the cause of adverse reaction	32,635	17,992	14,640	*	581	259	4,510	10,217	17,068	0	1,296	771	1,844	5,788	22,647	289

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a the total may include records with unknown gender and/or age group.

**TABLE 4D-2
EMERGENCY ROOM VISITS BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND
RACE/ETHNICITY, ARIZONA, 2023**

	Total ^a	Gender			Age group						Race/ethnicity					
		Male	Female	Unknown	Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown	White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Refused/Unknown
UNINTENTIONAL INJURY OR ACCIDENT	460,415	231,320	228,971	124	83,581	32,332	139,150	93,547	111,724	81	17,759	8,394	31,654	115,807	281,517	5,284
Falls	173,743	75,366	98,361	16	34,440	5,806	27,371	33,564	72,548	14	6,096	2,898	8,436	37,845	116,878	1,590
Transport accidents	71,212	37,524	33,606	82	7,803	8,115	32,697	15,236	7,322	39	2,540	1,662	6,578	19,905	39,393	1,134
Struck against or struck accidentally by objects or persons	51,312	29,550	21,758	*	15,162	5,921	16,027	7,848	6,353	*	2,030	879	3,980	14,795	29,036	592
Overexertion	34,661	17,614	17,044	*	4,878	3,726	13,581	7,838	4,638	0	1,450	631	2,832	9,755	19,620	373
Cutting or piercing instruments or objects	24,928	15,940	8,985	*	2,884	2,006	11,051	5,415	3,571	*	952	439	1,434	6,543	15,242	318
Natural and environmental factors	61,043	31,711	29,326	6	8,551	3,413	21,737	14,770	12,555	17	2,773	1,119	5,357	15,586	35,593	615
Exposure to excessive natural heat	2,625	1,789	835	*	96	126	1,184	798	416	*	124	30	257	657	1,533	24
Fire and flames	2,300	1,358	941	*	431	162	926	549	230	*	116	41	230	452	1,415	46
Machinery	2,164	1,859	305	0	82	108	839	661	474	0	42	29	66	633	1,371	23
Pedal cycle, nontraffic and other	5,772	4,254	1,515	*	1,312	413	1,702	1,542	802	*	202	104	263	1,088	4,044	71
Motor vehicle, nontraffic	474	296	178	0	75	45	194	102	58	0	29	9	34	99	297	6
Firearm missile	983	841	138	*	80	154	537	140	67	*	60	10	113	297	475	28
Drowning/submersion	60†	37	23	0	50	*	6	*	0	0	*	*	*	18	34	*
SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM	6,100	2,252	3,839	9	764	1,624	2,650	808	244	10	363	104	482	1,225	3,814	112
ASSAULT	17,646	10,431	7,187	28	1,030	1,790	10,581	3,497	715	33	2,115	241	2,133	4,637	8,200	320
INJURIES OF UNDETERMINED INTENT	1,443	847	591	*	366	165	567	215	125	*	212	20	122	390	679	20
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	13,885	8,197	5,688	0	505	227	2,743	3,953	6,455	*	465	273	877	2,803	9,370	97
Misadventures to patients	466	304	162	0	31	15	94	142	184	0	19	6	31	122	286	*
Surgical and medical procedures as the cause of adverse reaction	9,117	5,169	3,948	0	323	156	1,898	2,650	4,088	*	305	167	525	1,802	6,245	73

Notes: * Cell suppressed due to non-zero count less than 6; † Sum rounded to nearest tens unit due to non-zero addend less than 6; ^a the total may include records with unknown gender and/or age group.