

CHAPTER 4

HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS:

2020 STATUS

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

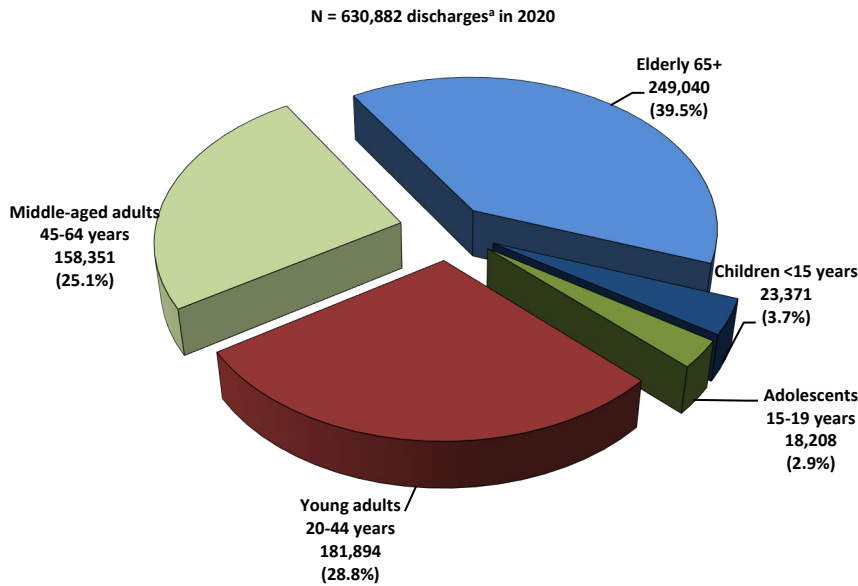
Beginning in 2016, diagnostic groupings and code numbers are based solely on the International Classification of Diseases and Related Problems, 10th Revision, Clinical Modification (ICD-10-CM). ICD-10-CM incorporates greater details about medical diagnosis and represents a substantial increase in number 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 <http://www.cdc.gov/nchs/nhds.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, 2020

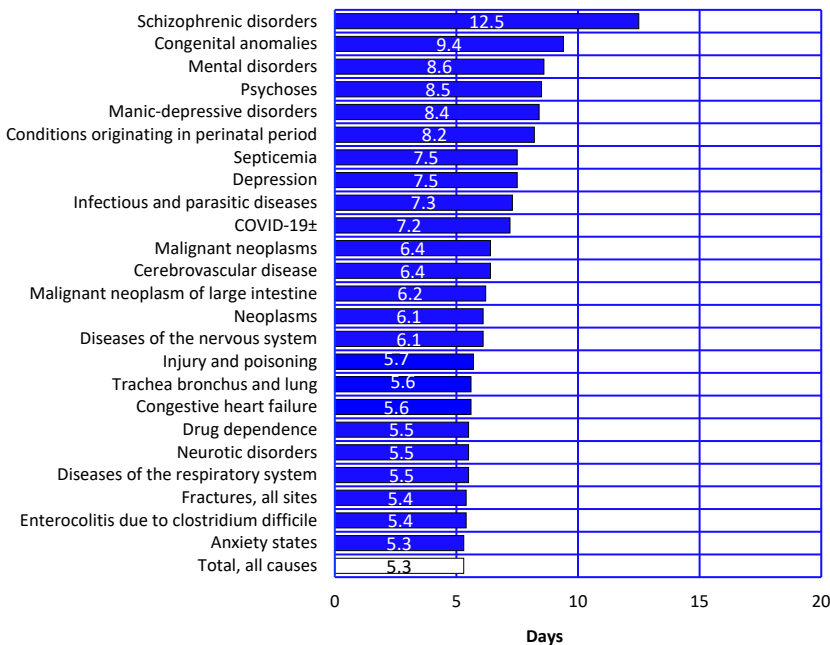


Note: ^a Excluding newborn infants.

In 2020, there were 630,882 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 39.5 percent of hospital discharges (**Figure 4A-1**), followed by young adults (20-44 years old) who comprised 28.8 percent of discharges, and middle-aged adults (45-64 years old) with 25.1 percent of all inpatient discharges.

Diseases of the circulatory system were the most common diagnoses (13.6 percent of all discharges), followed by *mental disorders* (10.9 percent), and *injury and poisoning* diagnoses (9.9 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, 2020



Notes: ^a Excluding newborn infants; [±] The collection of COVID-19 data began in mid-March 2020.

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 2010. 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.

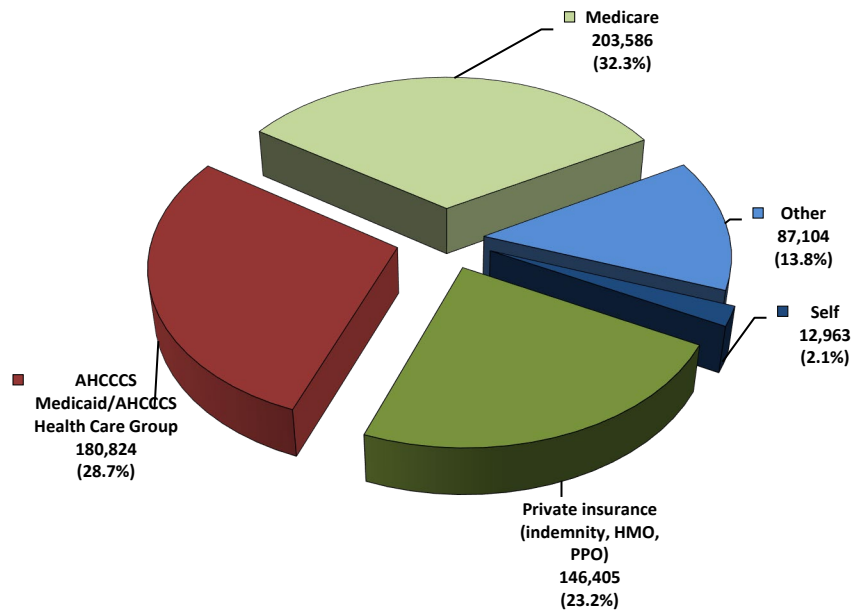
In 2020, the average length of hospital stay for Arizona inpatients was 5.3 days (**Figure 4A-2, Table 4A-5**).

The top five conditions with the longest length of inpatient stay was: *Schizophrenic disorders* (12.5 days), *congenital anomalies* (9.4 days), *mental disorders* (8.6 days), *psychoses* (8.5 days), and *manic-depressive disorders* (8.4 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, 2020

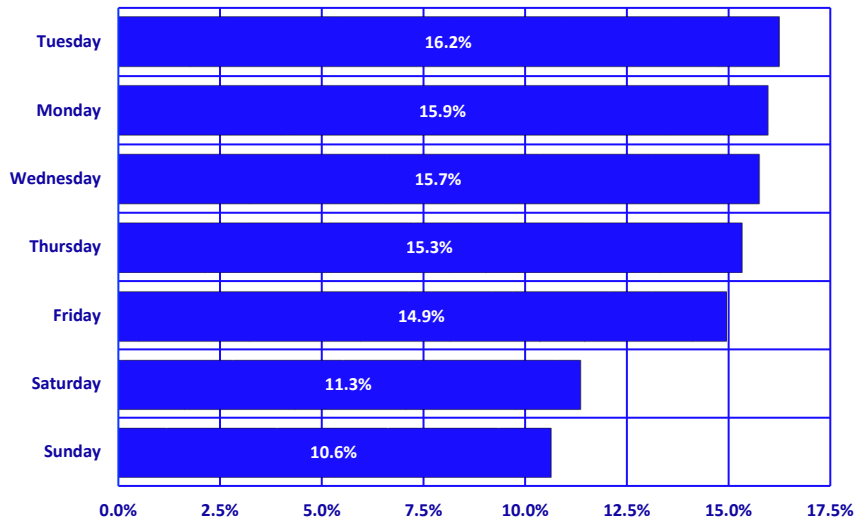
Medicare paid for 32.3 percent of all discharges (**Figure 4A-3**) and 69.0 percent of inpatient discharges of persons aged 65 years or older (**Table 4A-4**). The Arizona Health Care Cost Containment System (AHCCCS; the State's Medicaid Program) was the second most frequently recorded expected source of payment, accounting for 28.7 percent of inpatient discharges. Private insurance accounted for 23.2 percent of hospital inpatient discharges.



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

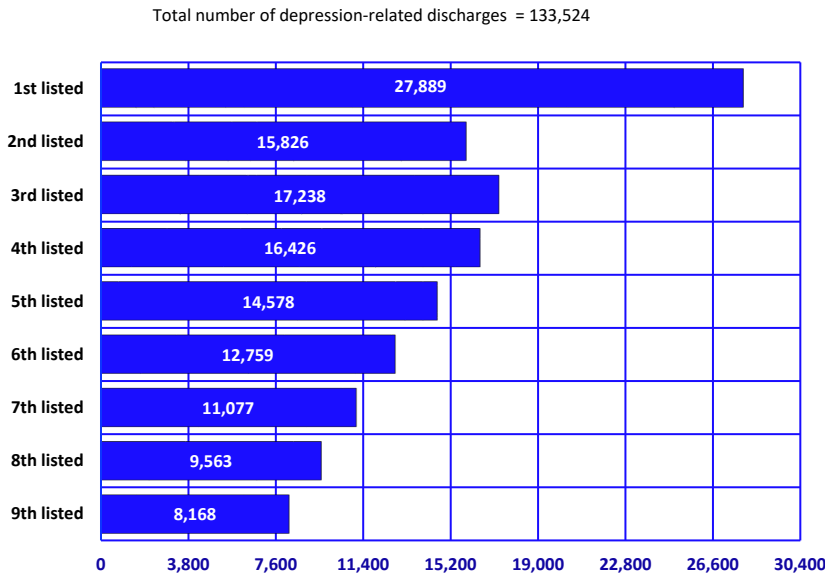
Figure 4A-4
Percent of Hospital Inpatient Admissions by Day of the Week, Arizona Residents, 2020

The rhythm of hospital births by day of the week (see **Figure 1B-14**) reveals that the daily average of resident live births in 2020 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, 2020

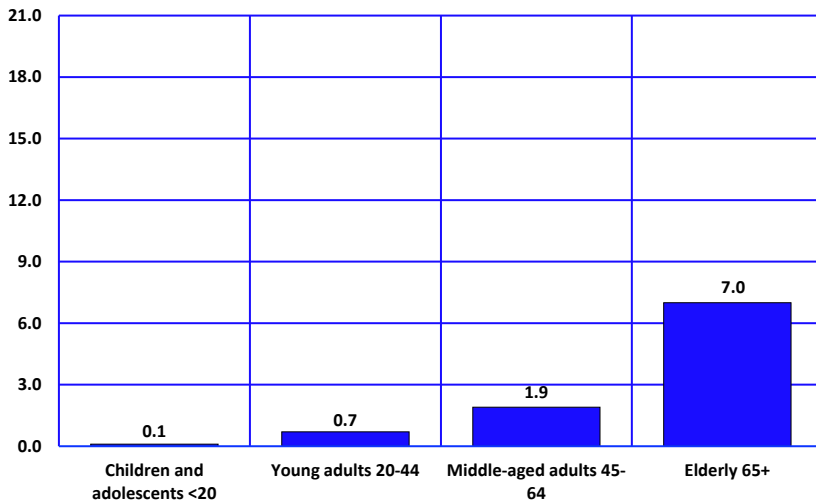


In 2020, *depression* accounted for 23,495 inpatient discharges and 4,394 emergency room visits as the first-listed diagnosis (for a total of 27,889 hospital encounters; **Figure 4A-5, Table 4A-1, Table 7C-1**).

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 133,524 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, 2020



Note: Number of visits per 10,000 population

In 2020, 1,402 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 (7.0/10,000) was the highest of all age groups (**Figure 4A-6**).

In 2020, 116 Arizonans died from enterocolitis due to *Clostridium difficile*. Elderly 65 years or older accounted for 82.8 percent of these deaths (**Table 2C-27**).

**TABLE 4A-1
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2020**

Category of first-listed diagnosis	Total	Age group					Unknown
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	
All categories	630,882	23,371	18,208	181,894	158,351	249,040	18
Infectious and parasitic diseases	62,789	810	518	11,373	19,735	30,349	*
Septicemia	57,371	395	418	10,268	18,259	28,027	*
Enterocolitis due to <i>Clostridium difficile</i>	1,400†	12	*	154	325	908	0
Neoplasms	20,027	417	156	2,092	6,864	10,498	0
Malignant neoplasms	16,835	336	107	1,322	5,705	9,365	0
Large intestine	2,240†	0	*	136	844	1,255	0
Prostate	750†	0	0	*	328	419	0
Trachea bronchus and lung	2,076	10	6	59	585	1,416	0
Breast	710†	0	*	147	349	212	0
Benign neoplasms	2,533	59	32	674	988	780	0
Endocrine nutritional metabolic and immunity diseases	26,807	1,095	505	6,622	9,625	8,959	*
Diabetes mellitus	13,233	488	332	3,546	5,139	3,728	0
Volume depletion	1,242	192	23	118	237	672	0
Morbid obesity	3,070†	*	15	1,543	1,310	199	0
Diseases of the blood and blood forming organs	5,218	520	187	1,038	1,153	2,320	0
Mental disorders	68,942	4,225	7,646	35,630	16,753	4,687	*
Psychoses	42,610	1,548	3,595	22,660	11,628	3,178	*
Alcoholic psychoses	6,010†	*	12	2,720	2,728	552	0
Drug psychoses	837	6	69	553	188	21	0
Schizophrenic disorders	9,426	16	246	5,977	2,882	305	0
Manic-depressive disorders	38,765	3,591	6,239	19,121	7,735	2,079	0
Neurotic disorders	15,529	897	1,192	6,954	5,117	1,369	0
Anxiety states	742	61	98	292	181	110	0
Depression	23,495	2,143	3,846	11,602	4,494	1,410	0
Drug dependence	2,680†	*	232	2,009	351	84	0
Nondependent abuse of drugs	310†	*	14	167	101	25	0
Alcohol dependence	8,100†	*	18	3,741	3,611	724	0
Diseases of the nervous system	14,598	1,075	398	2,753	3,825	6,546	*
Diseases of the eye and adnexa	488	44	17	103	153	171	0
Diseases of the ear and mastoid process	453	64	19	62	106	202	0
Diseases of the circulatory system	85,513	244	150	5,166	23,772	56,180	*
Heart disease	56,081	129	87	3,117	15,511	37,237	0
Acute myocardial infarction	11,054	0	0	495	3,868	6,691	0
Coronary atherosclerosis	4,380†	*	*	93	1,382	2,907	0

**TABLE 4A-1 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2020**

Category of first-listed diagnosis	Total	Age group					Unknown
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	
Other ischemic heart disease	380†	0	*	37	134	205	0
Cardiac dysrhythmias	11,196	56	32	519	2,440	8,149	0
Cardiac arrest	310†	6	*	46	109	140	0
Congestive heart failure	1,990†	21	*	235	612	1,118	0
Cerebrovascular diseases	19,882	48	26	952	5,275	13,581	0
Diseases of the respiratory system	40,170	4,652	517	3,928	10,256	20,817	0
Acute bronchitis and bronchiolitis	1,790†	1,237	*	87	144	317	0
Pneumonia	12,221	502	104	1,095	3,104	7,416	0
COVID-19 ^a	24,961	190	117	3,715	8,657	12,282	0
Chronic bronchitis	4,440†	*	0	71	1,551	2,814	0
Asthma	1,798	372	56	593	480	297	0
Diseases of the digestive system	53,460	1,554	757	10,984	17,510	22,655	0
Appendicitis	2,427	635	163	602	582	445	0
Noninfectious enteritis and colitis	4,408	133	120	978	1,236	1,941	0
Diverticula of intestine	4,440†	*	*	596	1,427	2,413	0
Cholelithiasis	2,733	19	51	726	803	1,134	0
Diseases of the genitourinary system	22,985	693	325	3,574	6,197	12,196	0
Calculus of kidney and ureter	390†	*	10	99	121	157	0
Diseases of the skin and subcutaneous tissue	10,298	536	137	2,573	3,548	3,504	0
Cellulitis and abscess	6,642	239	51	1,469	2,347	2,536	0
Diseases of the musculoskeletal system	31,454	548	334	2,621	9,965	17,986	0
Osteoarthritis and allied disorders	11,820†	*	*	167	3,583	8,070	0
Invertebral disc disorders	2,410†	0	*	412	961	1,033	0
Congenital anomalies	1,955	1,177	151	213	246	168	0
Conditions originating in perinatal period	1,927	1,927	0	0	0	0	0
Symptoms signs and ill-defined conditions	10,761	823	212	1,482	2,698	5,545	*
Injury and poisoning	62,659	2,030	1,687	12,200	15,436	31,297	9
Fractures, all sites	20,660	376	326	2,875	3,676	13,407	0
Fracture of neck of femur	7,338	17	7	142	761	6,411	0
Poisonings	4,987	342	583	2,037	1,258	764	*

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; ‡ The collection of COVID-19 data began in mid March 2020; ^a Excluding newborn infants.

**TABLE 4A-2
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2020**

Category of first-listed diagnosis	Total	Patient's gender		
		Male	Female	Unknown
All categories	630,882	288,460	342,401	21
Infectious and parasitic diseases	62,789	33,026	29,762	*
Septicemia	57,371	30,488	26,882	*
Enterocolitis due to <i>Clostridium difficile</i>	1,402	517	885	0
Neoplasms	20,027	10,162	9,865	0
Malignant neoplasms	16,835	9,145	7,690	0
Large intestine	2,236	1,174	1,062	0
Prostate	749	749	0	0
Trachea bronchus and lung	2,076	990	1,086	0
Breast	713	35	678	0
Benign neoplasms	2,533	679	1,854	0
Endocrine nutritional metabolic and immunity diseases	26,807	13,163	13,644	0
Diabetes mellitus	13,233	7,994	5,239	0
Volume depletion	1,242	623	619	0
Morbid obesity	3,068	560	2,508	0
Diseases of the blood and blood forming organs	5,218	2,424	2,794	0
Mental disorders	68,942	39,089	29,849	*
Psychoses	42,610	25,041	17,567	*
Alcoholic psychoses	6,013	4,408	1,605	0
Drug psychoses	837	582	255	0
Schizophrenic disorders	9,426	6,163	3,262	*
Manic-depressive disorders	38,765	19,360	19,402	*
Neurotic disorders	15,529	9,531	5,998	0
Anxiety states	742	320	422	0
Depression	23,495	11,850	11,643	*
Drug dependence	2,680	1,852	828	0
Nondependent abuse of drugs	308	203	105	0
Alcohol dependence	8,095	5,874	2,221	0
Diseases of the nervous system	14,598	7,184	7,414	0
Diseases of the eye and adnexa	488	242	246	0
Diseases of the ear and mastoid process	453	204	249	0
Diseases of the circulatory system	85,513	48,869	36,644	0
Heart disease	56,081	33,066	23,015	0
Acute myocardial infarction	11,054	7,221	3,833	0
Coronary atherosclerosis	4,384	3,148	1,236	0

**TABLE 4A-2 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2020**

Category of first-listed diagnosis	Total	Patient's gender		
		Male	Female	Unknown
Other ischemic heart disease	377	227	150	0
Cardiac dysrhythmias	11,196	6,115	5,081	0
Cardiac arrest	306	191	115	0
Congestive heart failure	1,989	1,185	804	0
Cerebrovascular diseases	19,882	10,448	9,434	0
Diseases of the respiratory system	40,170	19,999	20,169	*
Acute bronchitis and bronchiolitis	1,786	935	851	0
Pneumonia	12,221	5,958	6,262	*
COVID-19 [†]	24,961	13,178	11,781	*
Chronic bronchitis	4,438	1,989	2,449	0
Asthma	1,798	662	1,136	0
Diseases of the digestive system	53,460	25,769	27,691	0
Appendicitis	2,427	1,358	1,069	0
Noninfectious enteritis and colitis	4,408	1,712	2,696	0
Diverticula of intestine	4,438	2,010	2,428	0
Cholelithiasis	2,733	1,132	1,601	0
Diseases of the genitourinary system	22,985	10,649	12,336	0
Calculus of kidney and ureter	389	181	208	0
Diseases of the skin and subcutaneous tissue	10,298	5,797	4,501	0
Cellulitis and abscess	6,642	3,794	2,848	0
Diseases of the musculoskeletal system	31,454	14,916	16,538	0
Osteoarthritis and allied disorders	11,822	5,106	6,716	0
Invertebral disc disorders	2,411	1,212	1,199	0
Congenital anomalies	1,955	1,135	820	0
Conditions originating in perinatal period	1,927	1,099	828	0
Symptoms signs and ill-defined conditions	10,761	5,410	5,351	0
Injury and poisoning	62,659	32,632	30,017	10
Fractures, all sites	20,660	9,000	11,657	*
Fracture of neck of femur	7,338	2,528	4,810	0
Poisonings	4,987	2,411	2,576	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; ‡ The collection of COVID-19 data began in mid March 2020; ^a Excluding newborn infants.

**TABLE 4A-3
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2020**

Category of first-listed diagnosis	Total	Race/ethnicity					
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Refused /Unknown
Total	630,882	422,249	122,466	36,596	29,993	12,999	6,579
Infectious and parasitic diseases	62,789	40,716	13,371	3,226	3,566	1,358	552
Septicemia	57,371	37,074	12,408	2,832	3,325	1,220	512
Enterocolitis due to <i>Clostridium difficile</i>	1,402	1,086	175	59	51	25	6
Neoplasms	20,027	14,727	3,112	931	449	550	258
Malignant neoplasms	16,835	12,651	2,524	661	355	448	196
Large intestine	2,236	1,710	324	84	44	53	21
Prostate	750†	558	113	52	*	8	13
Trachea bronchus and lung	2,076	1,697	207	85	17	53	17
Breast	713	508	111	48	17	22	7
Benign neoplasms	2,533	1,598	485	238	69	89	54
Endocrine nutritional metabolic and immunity diseases	26,807	16,277	5,869	2,055	1,890	479	237
Diabetes mellitus	13,233	7,418	3,098	1,138	1,254	208	117
Volume depletion	1,242	908	193	65	51	21	*
Morbid obesity	3,068	1,831	829	300	26	47	35
Diseases of the blood and blood forming organs	5,218	3,132	892	831	191	131	41
Mental disorders	68,942	45,766	11,471	5,816	4,237	1,174	478
Psychoses	42,610	28,648	6,886	3,541	2,559	739	237
Alcoholic psychoses	6,013	4,445	661	196	638	58	15
Drug psychoses	837	501	191	88	39	8	10
Schizophrenic disorders	9,426	5,593	1,706	1,426	449	199	53
Manic-depressive disorders	38,765	26,349	6,270	2,926	2,257	665	298
Neurotic disorders	15,529	10,865	2,234	791	1,368	173	98
Anxiety states	742	541	128	36	24	9	*
Depression	23,495	15,617	4,000	1,572	1,693	404	209
Drug dependence	2,680	1,654	713	152	91	63	7
Nondependent abuse of drugs	308	216	42	13	36	0	*
Alcohol dependence	8,095	5,938	885	277	882	90	23
Diseases of the nervous system	14,598	10,500	2,165	879	603	247	204
Diseases of the eye and adnexa	488	316	84	33	30	15	10
Diseases of the ear and mastoid process	453	311	90	11	24	9	8
Diseases of the circulatory system	85,513	65,595	10,529	4,603	2,306	1,437	1,043
Heart disease	56,081	43,480	6,810	2,827	1,466	882	616
Acute myocardial infarction	11,054	8,419	1,535	413	293	192	202
Coronary atherosclerosis	4,384	3,546	501	108	82	104	43

TABLE 4A-3 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2020

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	377	266	64	23	14	8	*	
Cardiac dysrhythmias	11,196	9,387	982	360	205	139	123	
Cardiac arrest	310†	192	50	28	23	*	10	
Congestive heart failure	1,989	1,526	252	89	78	24	20	
Cerebrovascular diseases	19,882	15,266	2,390	1,030	484	364	348	
Diseases of the respiratory system	40,170	29,143	6,063	2,197	1,734	707	326	
Acute bronchitis and bronchiolitis	1,786	1,036	493	93	117	34	13	
Pneumonia	12,221	9,199	1,623	517	550	223	109	
COVID-19 [‡]	24,961	12,922	7,695	1,095	2,313	568	368	
Chronic bronchitis	4,438	3,810	308	219	41	39	21	
Asthma	1,798	969	415	282	77	42	13	
Diseases of the digestive system	53,460	37,086	9,573	2,336	3,114	863	488	
Appendicitis	2,427	1,405	740	74	121	42	45	
Noninfectious enteritis and colitis	4,408	3,428	537	250	79	79	35	
Diverticula of intestine	4,438	3,431	639	145	131	46	46	
Cholelithiasis	2,733	1,749	641	86	191	47	19	
Diseases of the genitourinary system	22,985	16,180	4,006	1,272	967	393	167	
Calculus of kidney and ureter	389	299	54	7	14	11	*	
Diseases of the skin and subcutaneous tissue	10,298	7,140	1,714	497	739	119	89	
Cellulitis and abscess	6,642	4,881	975	241	427	64	54	
Diseases of the musculoskeletal system	31,454	25,202	3,212	1,201	854	645	340	
Osteoarthritis and allied disorders	11,822	10,126	787	312	146	317	134	
Invertebral disc disorders	2,411	1,965	236	82	63	40	25	
Congenital anomalies	1,955	1,121	569	78	69	67	51	
Conditions originating in perinatal period	1,927	961	607	102	110	60	87	
Symptoms signs and ill-defined conditions	10,761	7,835	1,530	604	459	197	136	
Injury and poisoning	62,659	45,381	9,591	2,873	3,120	921	773	
Fractures, all sites	20,660	16,444	2,484	537	744	204	247	
Fracture of neck of femur	7,338	6,371	594	106	130	61	76	
Poisonings	4,987	3,178	1,047	374	248	54	86	

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; ‡ The collection of COVID-19 data began in mid March 2020; ^a Excluding newborn infants.

**TABLE 4A-4
NUMBER OF DISCHARGES^a BY PRIMARY PAYER, GENDER, AGE GROUP, RACE/ETHNICITY,
AND MARITAL STATUS, ARIZONA, 2020**

Selected characteristics		Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/Medicaid	Medicare	Other
Total		630,882	12,963	146,405	180,824	203,586	87,104
Gender	Male	288,460	6,757	57,885	79,403	101,085	43,330
	Female	342,401	6,202	88,515	101,414	102,499	43,771
	Unknown	20†	*	*	7	*	*
Age group	Children <15 years	23,371	508	7,676	14,419	30	738
	Adolescents 15-19 years	18,208	412	6,041	11,121	51	583
	Young adults 20-44 years	181,894	6,601	64,869	93,807	7,131	9,486
	Middle-aged adults 45-64 years	158,351	4,765	53,084	57,321	24,471	18,710
	Elderly 65+ years	249,040	659	14,735	4,156	171,903	57,587
	Unknown	18	18	0	0	0	0
Race/ethnicity	White non-Hispanic	422,249	7,256	102,518	83,569	162,354	66,552
	Hispanic or Latino	122,466	3,903	26,104	59,320	21,375	11,764
	Black or African American	36,596	849	7,523	16,440	7,604	4,180
	American Indian or Alaska Native	29,993	459	3,709	16,222	7,347	2,256
	Asian or Pacific Islander	12,999	286	4,607	3,434	3,222	1,450
	Refused/Unknown	6,579	210	1,944	1,839	1,684	902
Patient's marital status	Single	257,492	6,982	55,536	127,261	43,369	24,344
	Married	251,228	4,621	78,151	33,252	97,151	38,053
	Separated	4,789	122	747	2,034	1,218	668
	Divorced	50,295	685	7,509	12,450	19,864	9,787
	Widowed	60,648	260	3,184	3,540	40,279	13,385
	Not Applicable	40†	*	9	24	0	*
	Unknown	6,393	290	1,269	2,263	1,705	866

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, 2020**

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	Unknown
All conditions	5.3	6.4	6.2	4.4	5.8	5.5	1.2
Infectious and parasitic diseases	7.3	5.8	6.0	6.5	8.1	7.2	3.3
Septicemia	7.5	8.0	6.2	6.6	8.2	7.3	3.3
Enterocolitis due to <i>Clostridium difficile</i>	5.4	9.5	4.3	4.1	5.2	5.6	0.0
Neoplasms	6.1	10.5	10.3	5.8	5.9	6.0	0.0
Malignant neoplasms	6.4	11.7	12.8	7.3	6.2	6.2	0.0
Large intestine	6.2	0.0	17.0	5.4	5.8	6.5	0.0
Prostate	2.3	0.0	0.0	2.0	2.0	2.6	0.0
Trachea bronchus and lung	5.6	3.5	5.2	4.1	5.3	5.7	0.0
Breast	4.4	0.0	1.4	4.0	4.2	4.9	0.0
Benign neoplasms	3.8	6.4	3.3	3.0	3.6	4.7	0.0
Endocrine nutritional metabolic and immunity diseases	4.1	4.1	3.0	3.1	4.4	4.7	1.0
Diabetes mellitus	4.8	2.7	2.5	3.5	5.4	5.9	0.0
Volume depletion	2.9	2.3	3.2	2.6	3.0	3.2	0.0
Morbid obesity	1.5	2.0	1.4	1.5	1.5	2.1	0.0
Diseases of the blood and blood forming organs	4.5	4.7	6.1	4.8	4.3	4.3	0.0
Mental disorders	8.6	11.5	9.6	7.7	8.5	10.7	0.0
Psychoses	8.5	13.1	9.9	7.8	8.3	10.8	0.0
Alcoholic psychoses	5.1	1.0	6.4	4.5	5.2	7.0	0.0
Drug psychoses	4.9	5.8	7.8	4.7	4.7	5.1	0.0
Schizophrenic disorders	12.5	29.3	16.0	11.8	12.6	21.5	0.0
Manic-depressive disorders	8.4	11.3	9.4	7.2	8.4	10.9	0.0
Neurotic disorders	5.5	9.3	7.1	4.7	5.3	6.6	0.0
Anxiety states	5.3	6.7	6.2	4.8	4.9	5.7	0.0
Depression	7.5	9.7	8.0	6.5	7.9	10.1	0.0
Drug dependence	5.5	14.8	5.7	5.2	6.2	8.9	0.0
Nondependent abuse of drugs	4.3	5.0	7.4	4.2	3.6	6.0	0.0
Alcohol dependence	5.1	7.0	5.6	4.6	5.2	6.8	0.0
Diseases of the nervous system	6.1	3.5	4.1	4.9	6.4	6.9	2.0
Diseases of the eye and adnexa	3.5	3.0	3.4	4.0	3.5	3.3	0.0
Diseases of the ear and mastoid process	3.1	3.2	2.5	2.9	3.1	3.2	0.0
Diseases of the circulatory system	4.9	10.0	6.6	5.0	5.1	4.9	0.0
Heart disease	4.5	11.8	6.0	4.5	4.5	4.4	0.0
Acute myocardial infarction	4.1	0.0	0.0	3.1	3.8	4.4	0.0
Coronary atherosclerosis	4.6	0.0	4.0	3.8	4.2	4.8	0.0

TABLE 4A-5 (continued)
AVERAGE LENGTH OF STAY FOR DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2020

Category of first-listed diagnosis	All ages	Patient's age group					Unknown
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	
Other ischemic heart disease	2.4	0.0	2.0	1.3	2.0	2.8	0.0
Cardiac dysrhythmias	3.4	5.2	2.2	3.3	3.6	3.3	0.0
Cardiac arrest	3.6	8.2	2.0	4.3	3.9	2.9	0.0
Congestive heart failure	5.6	21.3	13.0	6.9	5.0	5.3	0.0
Cerebrovascular diseases	6.4	8.9	11.4	7.7	6.9	6.1	0.0
Diseases of the respiratory system	5.5	4.0	5.5	5.0	5.8	5.7	0.0
Acute bronchitis and bronchiolitis	3.2	3.1	1.0	2.7	3.1	3.7	0.0
Pneumonia	4.6	3.7	4.2	3.9	4.6	4.8	0.0
COVID-19 [†]	7.2	4.3	5.1	5.9	7.4	7.4	0.0
Chronic bronchitis	4.0	1.5	0.0	3.1	3.8	4.2	0.0
Asthma	2.8	1.9	3.0	2.5	3.4	3.4	0.0
Diseases of the digestive system	4.5	4.5	4.8	4.0	4.5	4.8	0.0
Appendicitis	3.4	3.9	3.8	2.5	3.5	3.7	0.0
Noninfectious enteritis and colitis	4.6	7.3	6.7	4.0	4.4	4.8	0.0
Diverticula of intestine	4.4	15.0	5.0	3.8	4.2	4.6	0.0
Cholelithiasis	3.3	2.8	2.7	2.6	3.2	3.9	0.0
Diseases of the genitourinary system	4.0	3.4	3.1	3.0	3.9	4.3	0.0
Calculus of kidney and ureter	2.6	2.0	2.1	2.6	2.6	2.7	0.0
Diseases of the skin and subcutaneous tissue	4.2	2.7	3.4	3.5	4.4	4.9	0.0
Cellulitis and abscess	3.9	2.4	2.2	3.2	3.9	4.5	0.0
Diseases of the musculoskeletal system	3.3	4.0	4.1	4.1	3.2	3.3	0.0
Osteoarthritis and allied disorders	1.7	2.0	6.0	1.3	1.6	1.7	0.0
Invertebral disc disorders	3.7	0.0	3.8	2.9	3.3	4.3	0.0
Congenital anomalies	9.4	12.6	3.1	4.1	5.0	5.4	0.0
Conditions originating in perinatal period	8.2	8.2	0.0	0.0	0.0	0.0	0.0
Symptoms signs and ill-defined conditions	3.8	3.0	3.2	3.3	3.6	4.2	1.0
Injury and poisoning	5.7	4.2	4.6	5.4	5.8	5.9	0.6
Fractures, all sites	5.4	2.2	3.5	4.5	5.1	5.9	0.0
Fracture of neck of femur	4.9	1.9	4.0	4.7	4.7	4.9	0.0
Poisonings	3.6	1.9	2.9	3.4	4.3	4.7	1.0

Note: [†] The collection of COVID-19 data began in mid March 2020; ^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.

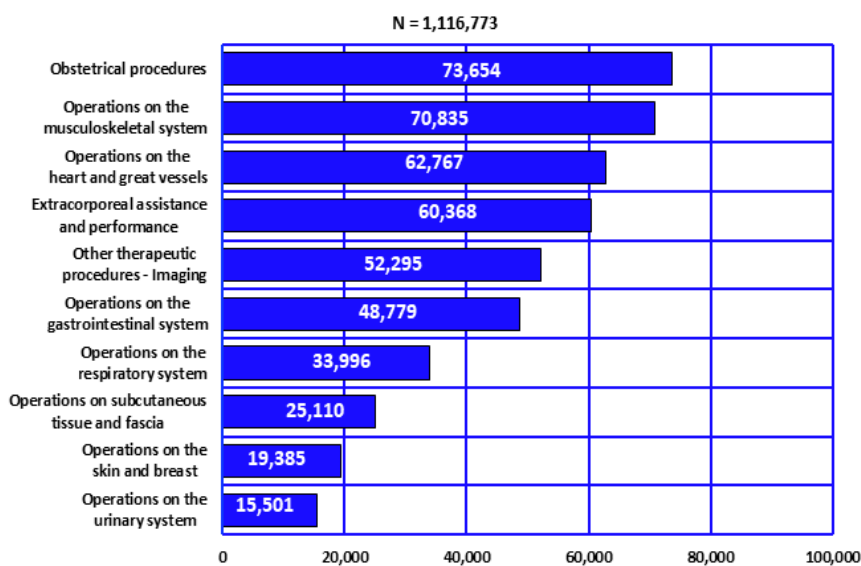
During 2015, all Arizona Hospitals transitioned to the International Classification of Diseases, 10th Revision, and Procedure Coding System (ICD-10-PCS) for coding inpatient procedures. ICD-10-PCS was implemented on October 1, 2015 in replacement of the International Classification of Diseases, Ninth 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 <http://www.cdc.gov/nchs/nhds.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, 2020

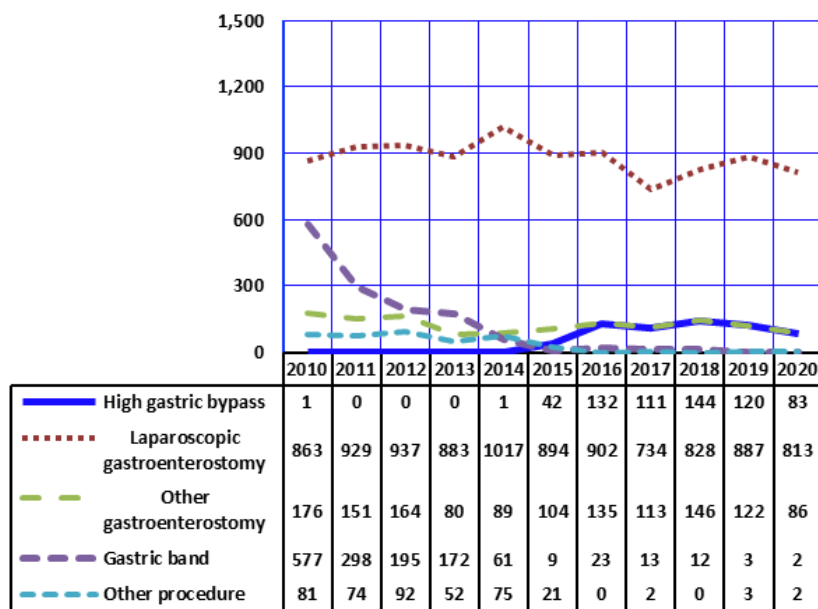


Note: Excludes newborn infants.

During 2020, 1,116,773 procedures were performed among the 630,882 (Table 4A-1) total inpatient discharges to Arizona residents. The 2020 rate of procedures was 1,556.2 per 10,000 population, representing an increase from the 2019 rate of 1550 per 10,000.

No specific procedure was recorded for 39.2 percent of all inpatient discharges. Only 2.1 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 *operations on the musculoskeletal system*, and *operations on the heart and great vessels* (Figure 4B-1, Table 4B-1).

Figure 4B-2
Trends in Types of Inpatient Procedures Performed in Treatment of Morbid Obesity, Arizona Residents, 2010-2020



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 2020, *morbid obesity* was the principal diagnosis for 3,068 inpatient hospitalizations (Table 4A-1). The number of *gastric bypass* surgeries, once the most common bariatric procedure, declined from a recent 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 2010, *laparoscopic gastroenterostomy* remained the most popular procedure, with 813 surgeries performed in 2020.

**TABLE 4B-1
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2020**

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	1,116,773	53,998	22,325	310,353	296,798	433,231	68
Operations on the central nervous system	15,199	1,911	378	3,236	4,366	5,308	0
Spinal tap	5,952	1,398	156	1,246	1,535	1,617	0
Operations on the peripheral nervous system	6,147	54	83	892	2,202	2,916	0
Operations on the heart and great vessels	62,767	2,528	480	7,043	19,926	32,781	9
Heart transplant	80†	10	*	15	37	11	0
Coronary artery bypass graft	3,010†	*	0	57	1,010	1,942	0
Cardiac catheterization	17,592	148	21	923	6,174	10,326	0
Insertion, replacement, removal, of pacemaker leads	4,229	33	6	129	656	3,405	0
Operations on the upper arteries	17,008	329	136	2,204	5,476	8,860	*
Operations on the lower arteries	7,489	362	57	717	1,974	4,379	0
Operations on the upper veins	15,792	256	102	2,549	5,158	7,726	*
Operations on the lower veins	9,735	1,147	51	1,053	3,192	4,287	*
Operations on the lymphatic and hemic systems	8,091	282	105	897	2,677	4,128	*
Operations on the eye	469	63	13	157	111	125	0
Operations on the ear, nose, sinus	931	147	50	213	237	284	0
Operations on the respiratory system	33,996	1,935	436	5,616	11,069	14,930	10
Bronchoscopy with or without biopsy	2,961	179	36	455	962	1,329	0
Operations on the mouth and throat	2,883	798	85	549	671	780	0
Operations on the gastrointestinal system	48,779	2,129	733	9,646	15,011	21,259	*
Implantation of gastric band	0†	0	0	*	*	0	0
Endoscopy of small intestine with or without biopsy	11,694	227	183	2,051	3,686	5,547	0
Endoscopy of large intestine with or without biopsy	7,870	132	102	1,089	2,356	4,191	0
Appendectomy, excluding incidental	3,304	691	197	813	863	740	0
Operations on the hepatobiliary system and pancreas	12,829	148	212	2,696	3,999	5,773	*
Cholecystectomy	6,572	49	146	1,802	1,940	2,635	0
Operations on the endocrine system	889	16	24	178	301	370	0
Operations on the skin and breast	19,385	324	1,022	11,722	3,204	3,113	0
Breast surgery	710†	0	*	147	349	212	0

**TABLE 4B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2020**

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	
Operations on the subcutaneous tissue and fascia	25,110	682	366	5,056	8,601	10,405	0
Operations on the musculoskeletal system	70,835	1,198	1,680	19,880	17,381	30,696	0
Open reduction of fracture with or without internal fixation	7,813	265	197	1,333	1,661	4,357	0
Total hip replacement	5,390†	*	*	172	1,784	3,428	0
Total knee replacement	6,500†	6	*	72	2,088	4,328	0
Operations on the urinary system	15,501	268	157	2,757	4,649	7,670	0
Kidney transplant	160†	*	*	50	73	28	0
Operations on the male reproductive system	6,646	4,744	21	235	642	1,004	0
Prostatectomy	1,230†	0	0	*	413	816	0
Operations on the female reproductive system	15,144	55	807	12,188	1,293	801	0
Oophorectomy and salpingo-oophorectomy	2,576	9	20	1,134	911	502	0
Hysterectomy	2,120†	*	*	843	855	420	0
Obstetrical procedures	73,650†	32	3,803	69,695	123	*	0
Episiotomy with or without forceps or vacuum extraction	2,490†	*	208	2,277	*	0	0
Artificial rupture of membranes	22,506	17	1,302	21,156	31	0	0
Cesarean section	21,040†	*	570	20,404	60	*	0
Other therapeutic procedures - Imaging	52,295	1,288	305	5,484	16,510	28,708	0
Computerized tomography (CT Scan)	2,620	98	28	376	755	1,363	0
Magnetic resonance imaging (MRI)	1,133	523	45	74	200	291	0
Other therapeutic procedures - Nuclear medicine	148	38	9	14	25	62	0
Other therapeutic procedures - Radiation therapy	135	7	10	14	59	45	0
Extracorporeal assistance and performance	60,368	3,726	527	8,225	19,999	27,879	12
Hemodialysis	19,807	32	41	2,777	7,954	9,001	*

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, 2020**

Procedures by category	Total	Patient's gender		
		Male	Female	Unknown
All procedures	1,116,773	519,523	597,193	57
Operations on the central nervous system	15,199	7,852	7,347	0
Spinal tap	5,952	3,106	2,846	0
Operations on the peripheral nervous system	6,147	3,291	2,855	*
Operations on the heart and great vessels	62,767	36,909	25,856	*
Heart transplant	75	59	16	0
Coronary artery bypass graft	3,011	2,353	658	0
Cardiac catheterization	17,592	11,063	6,529	0
Insertion, replacement, removal, of pacemaker leads	4,229	2,413	1,816	0
Operations on the upper arteries	17,008	9,805	7,200	*
Operations on the lower arteries	7,489	4,581	2,907	*
Operations on the upper veins	15,792	7,665	8,126	*
Operations on the lower veins	9,735	6,329	3,404	*
Operations on the lymphatic and hemic systems	8,091	4,278	3,813	0
Operations on the eye	469	303	166	0
Operations on the ear, nose, sinus	931	569	362	0
Operations on the respiratory system	33,996	19,345	14,648	*
Bronchoscopy with or without biopsy	2,961	1,732	1,229	0
Operations on the mouth and throat	2,883	1,799	1,084	0
Operations on the gastrointestinal system	48,779	22,763	26,016	0
Implantation of gastric band	0†	*	*	0
Endoscopy of small intestine with or without biopsy	11,694	5,733	5,961	0
Endoscopy of large intestine with or without biopsy	7,870	3,764	4,106	0
Appendectomy, excluding incidental	3,304	1,717	1,587	0
Operations on the hepatobiliary system and pancreas	12,829	5,956	6,873	0
Cholecystectomy	6,572	2,778	3,794	0
Operations on the endocrine system	889	395	494	0
Operations on the skin and breast	19,385	5,372	14,011	*
Breast surgery	713	35	678	0

**TABLE 4B-2 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND GENDER, ARIZONA, 2020**

Procedures by category	Total	Patient's gender		
		Male	Female	Unknown
Operations on the subcutaneous tissue and fascia	25,110	14,165	10,945	0
Operations on the musculoskeletal system	70,835	28,129	42,704	*
Open reduction of fracture with or without internal fixation	7,813	3,302	4,511	0
Total hip replacement	5,392	2,271	3,121	0
Total knee replacement	6,496	2,676	3,820	0
Operations on the urinary system	15,501	8,131	7,370	0
Kidney transplant	156	102	54	0
Operations on the male reproductive system	6,646	6,619	25	*
Prostatectomy	1,234	1,234	0	0
Operations on the female reproductive system	15,144	8	15,136	0
Oophorectomy and salpingo-oophorectomy	2,576	6	2,570	0
Hysterectomy	2,120†	*	2,118	0
Obstetrical procedures	73,650†	*	73,650	0
Episiotomy with or without forceps or vacuum extraction	2,490	0	2,490	0
Artificial rupture of membranes	22,506	0	22,506	0
Cesarean section	21,040†	*	21,035	0
Other therapeutic procedures - Imaging	52,295	29,914	22,380	*
Computerized tomography (CT Scan)	2,620	1,339	1,281	0
Magnetic resonance imaging (MRI)	1,133	583	550	0
Other therapeutic procedures - Nuclear medicine	148	75	73	0
Other therapeutic procedures - Radiation therapy	135	81	54	0
Extracorporeal assistance and performance	60,368	35,579	24,783	6
Hemodialysis	19,807	11,136	8,670	*

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, 2020**

Procedures by category	Total	Race/ethnicity					
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Refused / Unknown
All procedures	1,116,773	732,477	229,642	59,569	55,825	25,426	13,834
Operations on the central nervous system	15,199	10,227	2,901	883	602	328	258
Spinal tap	5,952	3,567	1,411	450	279	144	101
Operations on the peripheral nervous system	6,147	4,811	763	238	172	88	75
Operations on the heart and great vessels	62,767	43,545	10,645	3,154	3,405	1,267	751
Heart transplant	80†	47	12	8	*	*	*
Coronary artery bypass graft	3,011	2,375	382	64	63	74	53
Cardiac catheterization	17,592	13,439	2,302	768	521	319	243
Insertion, replacement, removal, of pacemaker leads	4,229	3,373	449	125	123	87	72
Operations on the upper arteries	17,008	11,222	3,254	890	1,093	310	239
Operations on the lower arteries	7,489	5,409	1,163	382	311	141	83
Operations on the upper veins	15,792	10,978	2,409	1,031	963	257	154
Operations on the lower veins	9,735	6,471	1,883	487	522	211	161
Operations on the lymphatic and hemic systems	8,091	5,987	1,215	405	173	222	89
Operations on the eye	469	265	110	35	38	9	12
Operations on the ear, nose, sinus	931	588	187	54	60	23	19
Operations on the respiratory system	33,996	22,035	6,677	2,040	2,016	766	462
Bronchoscopy with or without biopsy	2,961	1,938	537	166	183	84	53
Operations on the mouth and throat	2,883	1,791	632	193	152	72	43
Operations on the gastrointestinal system	48,779	33,441	8,875	2,595	2,234	1,097	537
Implantation of gastric band	0†	*	*	*	0	0	0
Endoscopy of small intestine with or without biopsy	11,694	8,185	1,915	630	659	212	93
Endoscopy of large intestine with or without biopsy	7,870	5,732	1,189	394	339	136	80
Appendectomy, excluding incidental	3,304	2,032	895	89	167	66	55
Operations on the hepatobiliary system and pancreas	12,829	8,485	2,758	445	716	295	130
Cholecystectomy	6,572	4,157	1,583	222	408	135	67
Operations on the endocrine system	889	602	157	63	31	20	16
Operations on the skin and breast	19,385	11,254	5,422	1,050	970	458	231
Breast surgery	713	508	111	48	17	22	7

**TABLE 4B-3 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2020**

Procedures by category	Total	Race/ethnicity					
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander	Refused / Unknown
Operations on the subcutaneous tissue and fascia	25,110	16,232	4,841	1,514	1,761	481	281
Operations on the musculoskeletal system	70,835	51,529	11,548	2,690	2,484	1,780	804
Open reduction of fracture with or without internal fixation	7,813	5,881	1,177	234	338	94	89
Total hip replacement	5,392	4,719	303	166	60	91	53
Total knee replacement	6,496	5,304	571	195	114	233	79
Operations on the urinary system	15,501	11,081	2,712	685	509	373	141
Kidney transplant	156	72	48	15	14	6	*
Operations on the male reproductive system	6,646	4,642	1,077	499	122	246	60
Prostatectomy	1,234	966	162	62	10	15	19
Operations on the female reproductive system	15,144	7,140	5,671	1,078	624	467	164
Oophorectomy and salpingo-oophorectomy	2,576	1,504	622	200	113	94	43
Hysterectomy	2,123	1,216	511	203	70	88	35
Obstetrical procedures	73,654	35,270	27,151	4,988	2,661	2,754	830
Episiotomy with or without forceps or vacuum extraction	2,490	1,318	752	156	68	150	46
Artificial rupture of membranes	22,506	11,179	8,021	1,455	859	758	234
Cesarean section	21,038	10,145	7,285	1,642	793	910	263
Other therapeutic procedures - Imaging	52,295	37,791	8,108	2,375	2,383	960	678
Computerized tomography (CT Scan)	2,620	1,766	487	164	83	50	70
Magnetic resonance imaging (MRI)	1,133	565	317	124	81	18	28
Other therapeutic procedures - Nuclear medicine	150†	95	39	6	6	*	0
Other therapeutic procedures - Radiation therapy	140†	93	24	9	*	*	*
Extracorporeal assistance and performance	60,368	36,204	12,883	4,069	5,063	1,283	866
Hemodialysis	19,807	9,293	5,385	1,878	2,603	479	169

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, 2020**

Procedures by category	Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/ Medicaid	Medicare	Other
All procedures	1,116,773	20,904	286,609	301,843	348,168	159,249
Operations on the central nervous system	15,199	237	4,435	4,206	4,280	2,041
Spinal tap	5,952	117	1,652	2,163	1,396	624
Operations on the peripheral nervous system	6,147	75	1,671	948	2,327	1,126
Operations on the heart and great vessels	62,767	870	11,770	13,291	27,297	9,539
Heart transplant	75	6	36	11	11	11
Coronary artery bypass graft	3,011	31	705	297	1,451	527
Cardiac catheterization	17,592	406	3,739	2,510	7,722	3,215
Insertion, replacement, removal, of pacemaker leads	4,229	28	502	321	2,507	871
Operations on the upper arteries	17,008	263	2,867	3,890	7,518	2,470
Operations on the lower arteries	7,489	109	1,225	1,392	3,404	1,359
Operations on the upper veins	15,792	197	2,271	3,934	5,843	3,547
Operations on the lower veins	9,735	168	2,088	2,592	3,460	1,427
Operations on the lymphatic and hemic systems	8,091	99	2,209	1,245	3,236	1,302
Operations on the eye	469	14	107	196	95	57
Operations on the ear, nose, sinus	931	28	272	279	256	96
Operations on the respiratory system	33,996	635	6,610	9,215	12,526	5,010
Bronchoscopy with or without biopsy	2,961	38	612	726	1,137	448
Operations on the mouth and throat	2,883	74	833	1,018	675	283
Operations on the gastrointestinal system	48,779	857	12,490	11,149	17,005	7,278
Implantation of gastric band	0†	0	*	*	*	0
Endoscopy of small intestine with or without biopsy	11,694	171	2,405	2,750	4,536	1,832
Endoscopy of large intestine with or without biopsy	7,870	107	1,744	1,456	3,316	1,247
Appendectomy, excluding incidental	3,304	168	1,251	1,004	582	299
Operations on the hepatobiliary system and pancreas	12,829	260	3,296	2,961	4,510	1,802
Cholecystectomy	6,572	178	1,791	1,693	1,999	911
Operations on the endocrine system	889	15	293	170	292	119
Operations on the skin and breast	19,385	601	6,723	7,601	2,703	1,757
Breast surgery	713	10	303	130	180	90

**TABLE 4B-4 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2020**

Procedures by category	Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/Medicaid	Medicare	Other
Operations on the subcutaneous tissue and fascia	25,110	432	4,716	6,989	9,364	3,609
Operations on the musculoskeletal system	70,835	1,205	20,185	14,498	23,387	11,560
Open reduction of fracture with or without internal fixation	7,813	199	1,332	1,525	3,360	1,397
Total hip replacement	5,392	49	1,444	393	2,250	1,256
Total knee replacement	6,496	17	1,676	419	2,888	1,496
Operations on the urinary system	15,501	302	3,754	2,905	6,216	2,324
Kidney transplant	160†	*	57	11	76	10
Operations on the male reproductive system	6,646	194	3,744	1,451	726	531
Prostatectomy	1,234	7	373	62	565	227
Operations on the female reproductive system	15,144	420	6,246	6,968	748	762
Oophorectomy and salpingo-oophorectomy	2,576	93	1,094	716	437	236
Hysterectomy	2,123	77	966	527	357	196
Obstetrical procedures	73,654	2,033	33,498	34,793	334	2,996
Episiotomy with or without forceps or vacuum extraction	2,490	96	1,182	1,072	46	94
Artificial rupture of membranes	22,506	601	10,271	10,664	59	911
Cesarean section	21,038	502	10,045	9,586	115	790
Other therapeutic procedures - Imaging	52,295	989	10,344	9,772	21,490	9,700
Computerized tomography (CT Scan)	2,620	65	563	530	927	535
Magnetic resonance imaging (MRI)	1,133	29	309	462	161	172
Other therapeutic procedures - Nuclear medicine	150†	*	29	46	42	30
Other therapeutic procedures - Radiation therapy	140†	*	49	28	34	23
Extracorporeal assistance and performance	60,368	919	9,618	14,963	25,800	9,068
Hemodialysis	19,807	93	1,919	4,008	11,062	2,725

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.

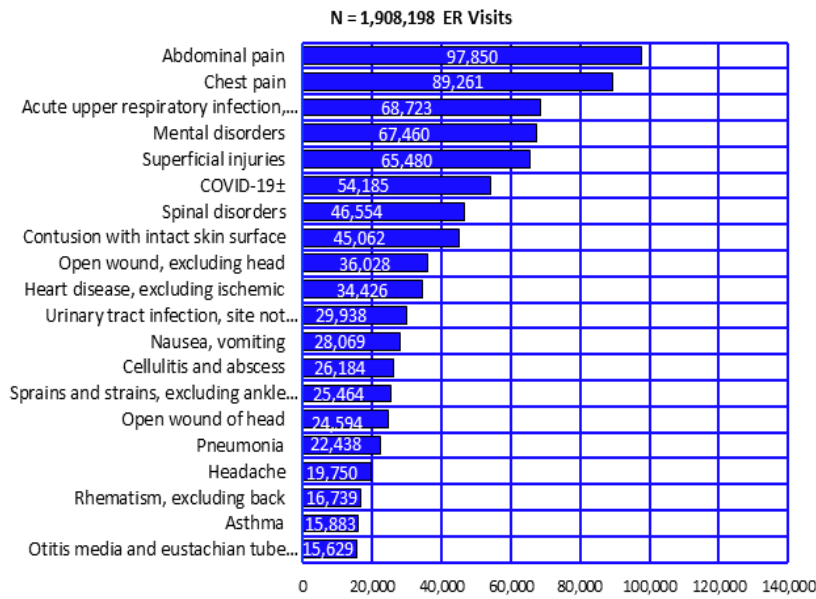
All emergency room visits are those of the residents of Arizona. Ambulatory care visits to hospital emergency rooms of out-of-state residents are not included in this report. In the current report, diagnostic groupings and code numbers are solely based on the International Classification of Diseases 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 <http://www.cdc.gov/nchs/ahcd.htm>

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, 2020



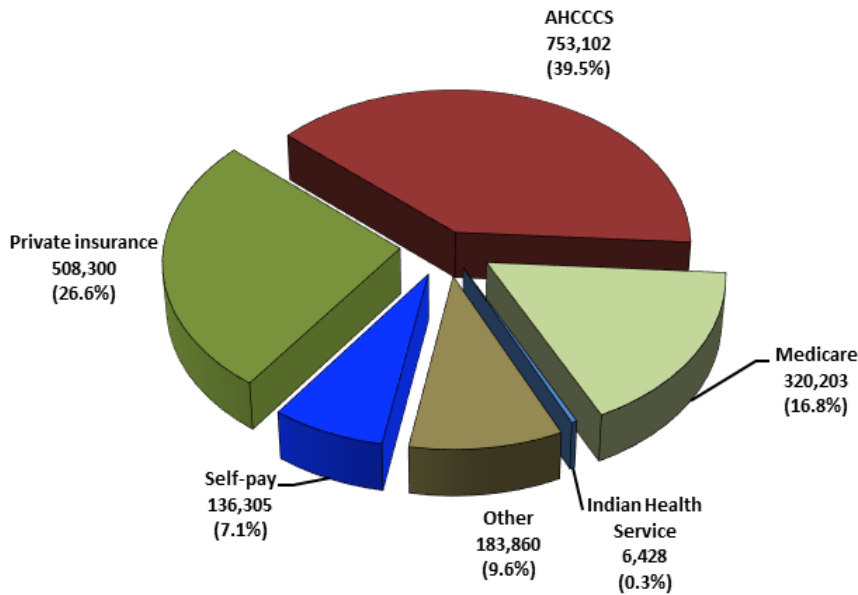
During 2020, approximately 1.9 million visits were made by Arizona residents to hospital emergency rooms (ER), which translate to 26.6 visits per 100 persons.

In 2020, *abdominal pain, chest pain, acute upper respiratory infection, mental disorders, superficial injuries, COVID-19±, spinal disorders, and contusion with intact skin surface*, were the leading diagnostic categories, accounting for 28.0 percent of all visits (**Figure 4C-1, Table 4C-2**).

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

Notes: Based on first-listed diagnosis; See Table 4C-2; ± The collection of COVID-19 data began in mid-March 2020.

Figure 4C-2
Emergency Room Visits by Payer, Arizona Residents, 2020



The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) was the most frequently recorded expected source of payment, accounting for 39.5 percent of ER visits (**Figure 4C-3**). Private insurance was the second most frequent payer (26.6 percent of ER visits), followed by Medicare (16.8 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^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2020**

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	
Total, all causes	1,908,198	251,975	105,480	711,698	457,088	381,883	74
Infectious and parasitic diseases	43,330	12,599	2,651	15,521	7,739	4,820	0
Neoplasms	5,600	150	80	1,207	1,977	2,186	0
Endocrine nutritional metabolic and immunity diseases	49,764	1,590	1,618	17,143	16,728	12,682	*
Diabetes mellitus	15,090	500	366	4,317	6,190	3,717	0
Mental disorders	67,460	2,621	5,032	35,436	18,160	6,197	14
Psychoses	44,844	995	2,956	23,852	13,136	3,893	12
Alcoholic psychoses	4,632	17	89	2,622	1,636	266	*
Drug psychoses	1,964	32	245	1,303	326	56	*
Schizophrenic disorders	686	0	16	383	249	38	0
Manic-depressive disorders	5,997	730	1,094	2,323	1,315	535	0
Neurotic disorders	58,069	2,374	4,315	30,477	16,152	4,740	11
Anxiety states	16,049	432	1,260	8,942	3,703	1,712	0
Depression	4,394	579	902	1,623	885	405	0
Drug dependence	2,460†	*	159	1,597	510	192	0
Nondependent abuse of drugs	8,176	90	628	5,360	1,850	245	*
Alcohol dependence	6,941	0	13	3,601	2,879	447	*
Diseases of the nervous system	49,484	2,263	2,276	20,339	14,577	10,026	*
Diseases of the eye and adnexa^b	15,072	2,762	687	5,077	3,841	2,705	0
Diseases of the ear and mastoid process^b	28,140	12,643	1,496	7,299	3,873	2,828	*
Diseases of the circulatory system	69,720	796	585	10,117	22,663	35,546	13
Diseases of the respiratory system	185,156	56,982	10,992	58,979	33,861	24,340	*
Acute bronchitis and bronchiolitis	16,733	6,075	527	4,976	3,122	2,033	0
Pneumonia	22,438	3,223	848	6,430	6,228	5,709	0
COVID-19[†]	54,185	2,613	2,214	21,993	17,428	9,936	*
Chronic bronchitis	9,090†	*	*	376	3,731	4,980	0
Asthma	15,883	3,693	1,098	6,664	3,280	1,148	0
Diseases of the digestive system	128,361	11,871	5,613	51,448	33,949	25,480	0
Diseases of the genitourinary system	115,205	7,329	7,189	50,305	26,177	24,202	*
Diseases of the skin and subcutaneous tissue	62,387	8,275	3,296	25,573	15,647	9,595	*
Diseases of the musculoskeletal system	120,351	5,575	4,290	42,246	38,951	29,288	*
Symptoms signs and ill-defined conditions	442,238	44,160	23,286	160,892	116,134	97,754	12
Injury and poisoning	368,327	69,655	26,217	122,587	74,669	75,181	18
Fractures, all sites	57,339	10,916	3,299	15,341	12,901	14,882	0
Sprains	32,361	4,233	3,310	13,468	7,327	4,023	0
Intracranial	10,896	1,771	1,245	3,761	1,903	2,214	*
Open wounds	81,657	18,524	5,185	27,346	14,352	16,244	6
Superficial injuries	65,480	12,209	4,462	20,800	13,295	14,713	*
Contusions with intact skin surface	45,062	7,373	3,020	13,804	9,408	11,457	0
Foreign bodies	9,165	3,623	374	2,464	1,497	1,206	*
Burns and corrosions	5,964	1,518	425	2,314	1,226	480	*
Trauma complications and unspecified injuries	19,873	5,505	1,139	4,781	3,065	5,383	0
Poisonings	12,241	1,580	1,972	5,753	1,978	955	*
Surgical and medical complications	13,204	617	290	2,754	3,722	5,821	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; ‡ The collection of COVID-19 data began in mid March 2020.

**TABLE 4C-2
NUMBER OF EMERGENCY ROOM VISITS FOR THE LEADING DIAGNOSIS GROUPS^a AND AGE GROUP, ARIZONA, 2020**

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	1,908,198	251,975	105,480	711,698	457,088	381,883	74
Abdominal pain	97,850	8,314	6,736	44,601	24,852	13,347	0
Chest pain	89,261	1,698	2,899	31,951	31,662	21,050	*
Acute upper respiratory infection, excluding pharyngitis	68,723	29,964	3,439	20,577	9,638	5,105	0
Mental disorders	67,460	2,621	5,032	35,436	18,160	6,197	14
Superficial injuries	65,480	12,209	4,462	20,800	13,295	14,713	*
COVID-19[‡]	54,185	2,613	2,214	21,993	17,428	9,936	*
Spinal disorders	46,554	890	1,290	17,342	15,718	11,314	0
Contusion with intact skin surface	45,062	7,373	3,020	13,804	9,408	11,457	0
Open wound, excluding head	36,028	3,494	2,761	15,959	7,613	6,199	*
Heart disease, excluding ischemic	34,426	244	210	4,344	10,927	18,691	10
Urinary tract infection, site not specified	29,938	3,202	1,578	9,068	6,120	9,970	0
Nausea, vomiting	28,069	5,517	2,265	12,382	4,736	3,169	0
Cellulitis and abscess	26,184	2,032	798	10,129	7,932	5,292	*
Sprains and strains, excluding ankle and back	25,464	3,019	2,230	10,304	6,290	3,621	0
Open wound of head	24,594	7,231	1,404	5,921	3,682	6,356	0
Pneumonia	22,438	3,223	848	6,430	6,228	5,709	0
Headache	19,750	1,293	1,336	9,047	5,419	2,655	0
Rheumatism, excluding back	16,739	598	554	6,293	5,534	3,760	0
Asthma	15,883	3,693	1,098	6,664	3,280	1,148	0
Otitis media and eustachian tube disorders	15,629	10,579	740	2,867	1,035	408	0
Fever	14,665	8,881	522	2,627	1,485	1,150	0
Chronic and unspecified bronchitis	14,102	158	206	2,440	5,306	5,992	0
Gastroenteritis and colitis	13,967	1,499	752	5,714	3,475	2,527	0
Acute pharyngitis	13,139	2,637	1,677	6,375	1,745	705	0
Migraine	10,852	383	849	5,900	3,128	592	0
Sprains and strains of neck and back	2,777	123	244	1,396	705	309	0
Unspecified viral and chlamydial infection	150†	13	37	92	7	*	0

Notes: * Cell suppressed due to non-zero count less than 6; † The collection of COVID-19 data began in mid March 2020; ‡ 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).

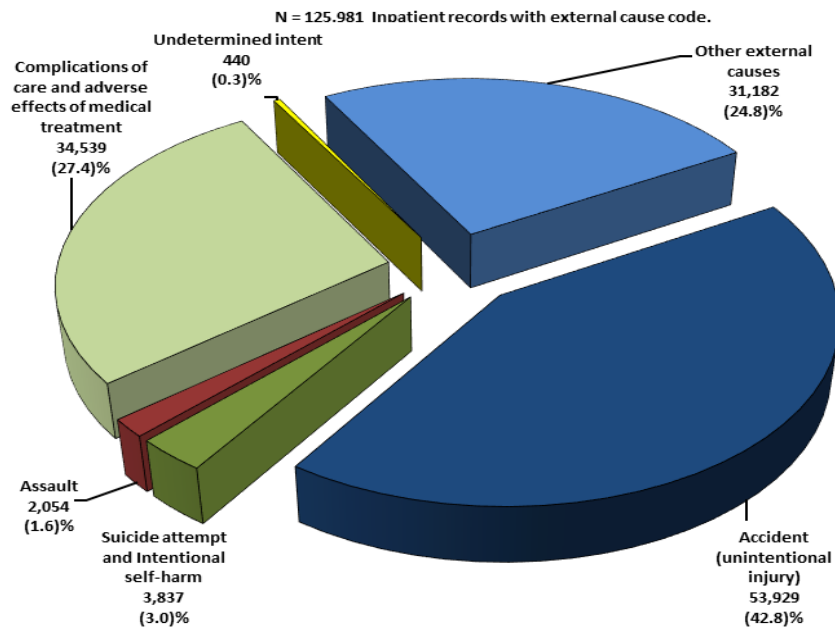
In 2009, the reporting requirements for hospitals were revised and the non-injury first-listed diagnoses may also have an external cause of injury code (E-code). Beginning with the 2009 edition of this report, the reader is advised that the number of suicides, accidents, etc. shown in **Table 4D-1** 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.

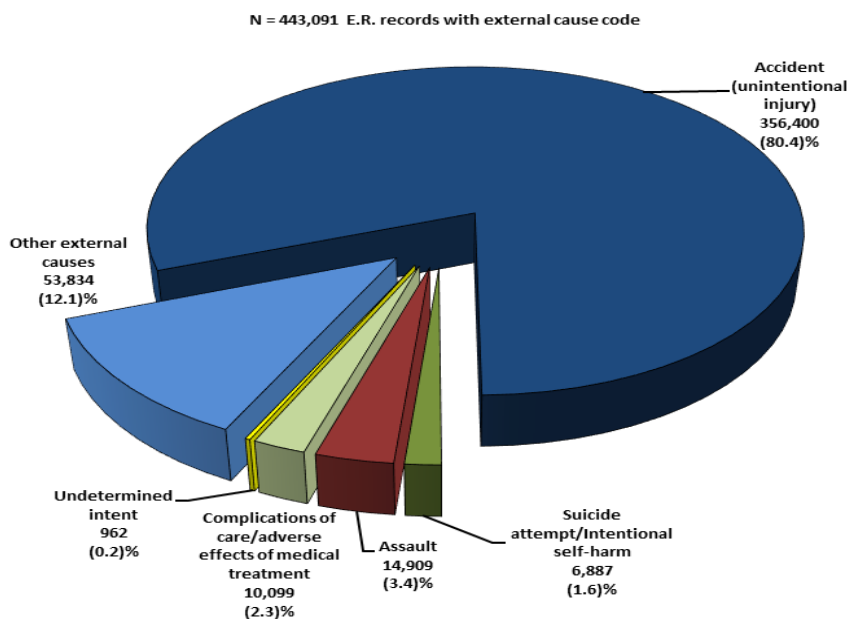
4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Figure 4D-1
Percent Distribution of Inpatient Discharges by Intent of Injury,
Arizona Residents, 2020



In 2020, injury and poisoning as a joint category was indicated as the principal diagnosis on 62,659 inpatient discharge records (**Table 4A-1**). *Unintentional injuries or accidents* accounted for the absolute majority of inpatient hospitalizations by the intent of injury (42.8 percent) and *complications of medical care and adverse effects of medical treatment* accounted for 27.4 percent of all inpatient discharges by intent of injury. *Assault* accounted for 2,054 inpatient hospitalizations (1.6 percent of all hospital discharges with known intent of injury). *Intentional self-inflicted injuries* including *suicide attempt* resulted in 3,837 inpatient hospitalizations (3.0 percent).

Figure 4D-2
Percent Distribution of Emergency Room Visits by Intent of Injury,
Arizona Residents, 2020



In 2020, *Unintentional injuries or accidents* accounted for eight out of ten (356,400 or 80.4 percent) of all injury-related emergency room visits (**Figure 4D-3, Table 4D-2**). The external cause of injury was classified as *assault* for 14,909 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. 1.6 percent, respectively; **Figure 4D-3, Table 4D-2**).

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

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 2020, there were 3,837 inpatient discharges attributed to intentional self-inflicted injuries. *Mental disorders* were identified as the principal diagnosis on 1,294 intentional self-inflicted injury/ suicide attempt-related records. *Injury or poisoning* was the principal diagnosis on 2,471 inpatient discharge records related to self-inflicted injuries.

Figure 4D-3
Intentional self-inflicted injury Inpatient Discharges by Year, Arizona Residents, 2010–2020

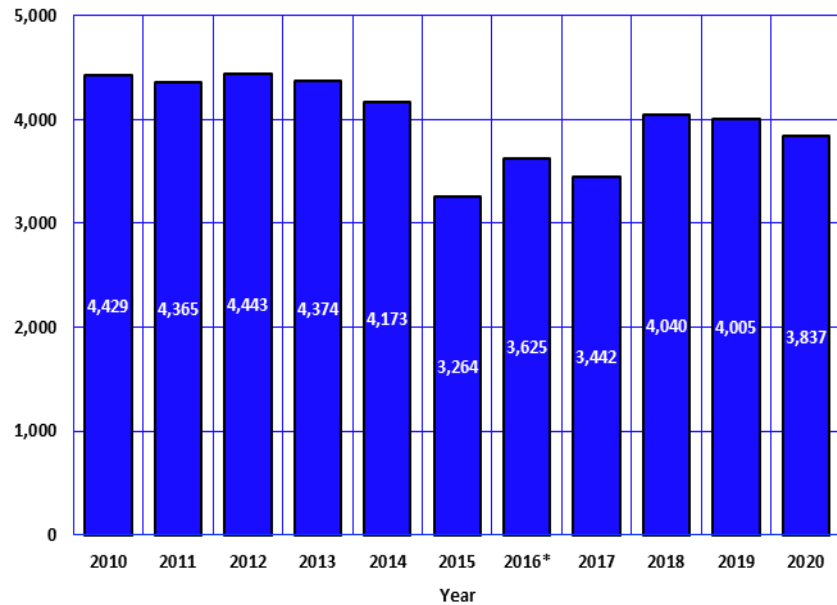
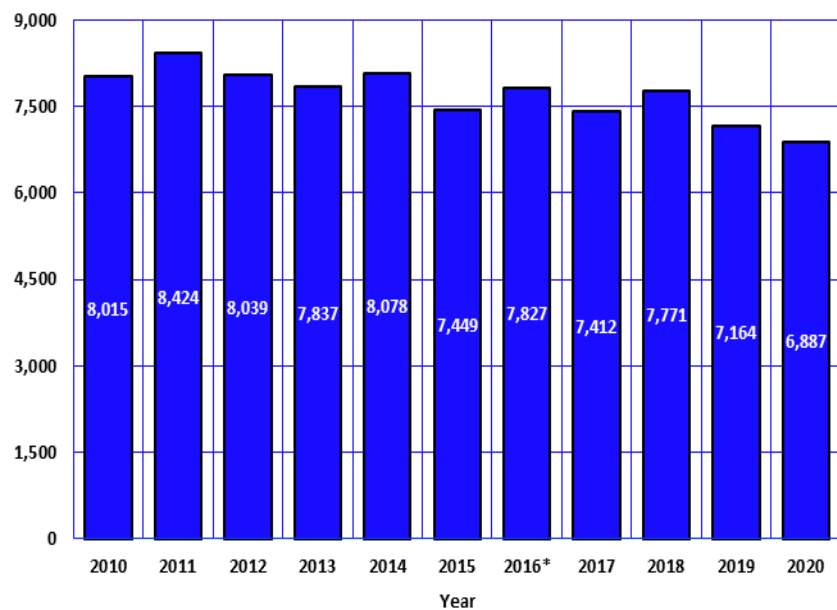


Figure 4D-4
Intentional self-inflicted injury Emergency Room Visits by Year, Arizona Residents, 2010–2020

In 2020, self-inflicted injuries resulting in ER visits accounted for 6,887, a decrease of 3.9 percent from 2019. Of all the ER visits related to *intentional self-inflicted injuries, mental disorders* were identified as the principal diagnosis on 338 ER discharges. *Injury or poisoning* was recorded as the principal diagnosis on 6,012 (87.3 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, 2020**

	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+	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	53,929	27,343	26,579	7	1,368	1,122	8,365	11,595	31,472	7	41,333	7,067	1,831	2,355	712	631
Falls	34,036	14,843	19,190	*	396	125	1,904	5,807	25,804	0	27,998	3,352	778	1,125	435	348
Transport accidents	8,203	5,417	2,783	*	332	469	3,193	2,319	1,888	*	5,590	1,529	381	440	102	161
Natural and environmental factors	6,260	3,628	2,631	*	279	223	1,502	1,838	2,414	*	4,323	1,024	350	403	92	68
Exposure to excessive natural heat	610 [†]	477	130	0	*	8	163	238	190	*	390	111	62	26	9	9
Fire and flames	412	265	147	0	43	18	121	147	83	0	261	84	23	34	7	*
Machinery	180 [†]	167	16	0	*	*	72	69	37	0	107	59	6	*	*	*
SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM	3,837	1,588	2,249	0	382	779	1,741	679	256	0	2,417	754	223	316	58	69
ASSAULT	2,054	1,610	442	*	48	161	1,255	477	113	0	908	446	251	383	21	45
INJURIES OF UNDETERMINED INTENT	440	265	175	0	143	22	126	86	63	0	227	116	50	26	8	13
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	34,539	18,713	15,826	0	654	281	4,903	11,451	17,249	*	24,173	5,846	1,945	1,555	738	282
Misadventures to patients	320 [†]	164	151	0	*	*	42	103	163	0	220	48	15	24	*	*
Surgical and medical procedures as the cause of adverse reaction	30,120	16,316	13,804	0	572	246	4,358	10,030	14,913	*	21,137	5,077	1,679	1,327	655	245

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, 2020**

	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	356,400	181,044	175,331	25	65,563	23,451	114,669	74,099	78,602	16	222,046	87,461	24,419	13,528	5,728	3,218
Falls	129,419	56,803	72,610	6	26,632	3,982	21,204	26,236	51,365	0	89,963	25,835	5,957	4,645	1,944	1,075
Transport accidents	56,839	30,282	26,549	8	7,136	6,420	26,589	11,797	4,894	*	31,968	15,830	5,338	1,980	1,060	663
Struck against or struck accidentally by objects or persons	38,010	21,845	16,162	*	10,454	3,682	12,998	6,410	4,465	*	22,137	10,581	2,904	1,475	566	347
Overexertion	26,305	13,084	13,219	*	3,263	2,407	11,380	6,078	3,177	0	15,288	7,158	2,235	1,006	421	197
Cutting or piercing instruments or objects	21,871	14,237	7,632	*	2,669	1,595	9,780	4,928	2,898	*	13,429	5,917	1,160	816	332	217
Natural and environmental factors	50,768	26,206	24,561	*	7,739	2,981	19,132	11,926	8,984	6	29,903	12,947	4,476	2,162	885	395
Exposure to excessive natural heat	1,369	989	380	0	24	64	625	407	247	*	845	353	85	64	11	11
Fire and flames	2,092	1,215	876	*	402	139	883	467	201	0	1,146	563	216	106	39	22
Machinery	2,128	1,863	265	0	62	75	900	658	433	0	1,360	621	55	51	19	22
Pedal cycle, nontraffic and other	5,737	4,135	1,602	0	1,640	382	1,539	1,514	662	0	4,057	1,111	238	144	112	75
Motor vehicle, nontraffic	696	485	211	0	128	62	284	158	64	0	472	151	34	19	12	8
Firearm missile	1,258	1,068	189	*	94	180	739	170	72	*	583	417	176	48	12	22
Drowning/submersion	100†	52	43	0	81	*	7	*	*	0	53	23	6	7	*	*
SUICIDE ATTEMPT AND INTENTIONAL SELF-HARM	6,887	2,700	4,183	*	893	1,883	3,031	869	210	*	4,202	1,566	521	410	114	74
ASSAULT	14,909	8,927	5,981	*	496	1,412	9,590	2,924	483	*	6,704	4,028	1,819	1,997	174	187
INJURIES OF UNDETERMINED INTENT	962	536	426	0	245	125	363	164	65	0	517	264	85	57	14	25
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT	10,099	5,647	4,452	0	365	180	2,187	3,026	4,341	0	6,739	2,041	644	411	212	52
Misadventures to patients	60†	29	35	0	*	0	24	18	19	0	36	14	6	7	*	0
Surgical and medical procedures as the cause of adverse reaction	7,621	4,183	3,438	0	308	139	1,736	2,310	3,128	0	5,059	1,560	488	300	170	44

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.