

CHAPTER 4

HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS:

2013 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**
- 4C. CHARACTERISTICS OF EMERGENCY ROOM VISITS BY DISEASE CATEGORY, DIAGNOSIS GROUP, AND AGE GROUP**
- 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

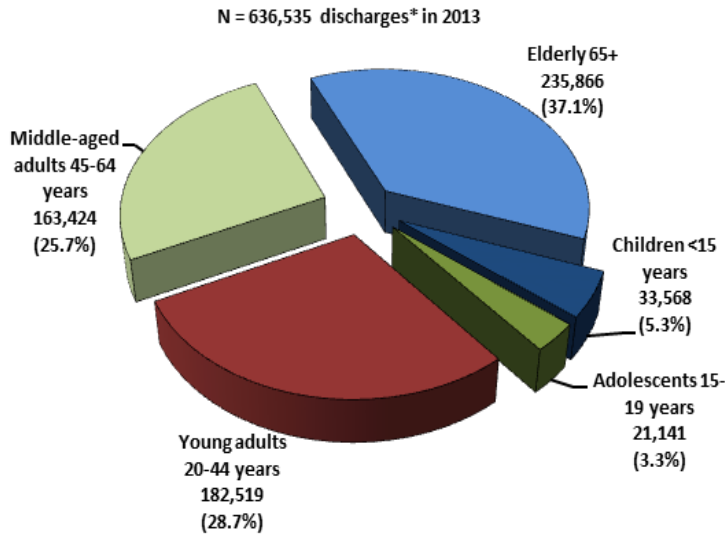
An inpatient discharge occurs when a person who was admitted to a hospital leaves that hospital. A person who has been hospitalized more than once in a given calendar year will be counted multiple times as a discharge; thus, the numbers in this report are for discharges, not persons. Federal, military, 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. Diagnostic groupings and code numbers are based on the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).

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 codes used to identify specific diagnostic categories can be accessed at <http://www.azdhs.gov/plan/hip/cat/icd9primary.xls>

*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, 2013

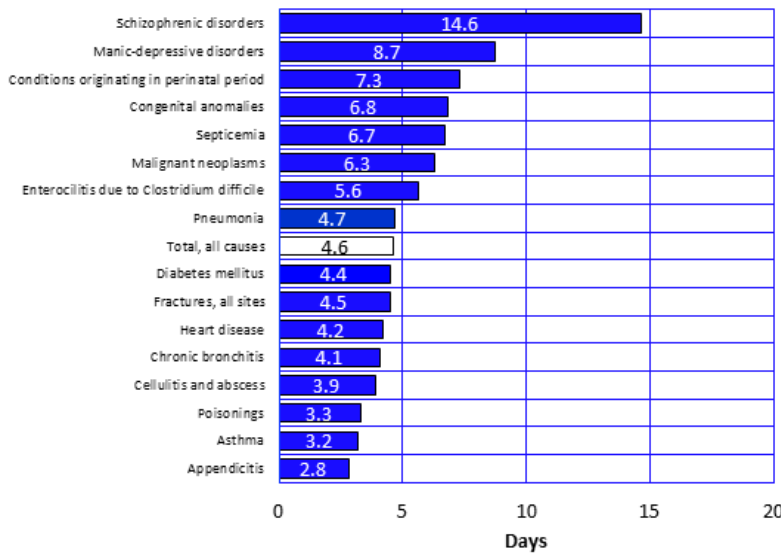


Note: ^a Excluding newborn infants.

In 2013, there were 636,535 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 37.1 percent of hospital discharges (Figure 4A-1), followed by young adults (20-44 years old) who comprised 28.7 percent of discharges, and middle-aged adults 45-64 year olds (25.7 percent of all inpatient discharges)

Diseases of the circulatory system were the most common diagnoses (13.1 percent of all discharges), followed by diseases of the digestive system (10.3 percent), and injury and poisoning diagnoses (9.7 percent; percentages based on data in Table 4A-1).

Figure 4A-2
Average Length of Hospital Stay for Discharges with Selected First-listed Diagnosis, Arizona Residents, 2013



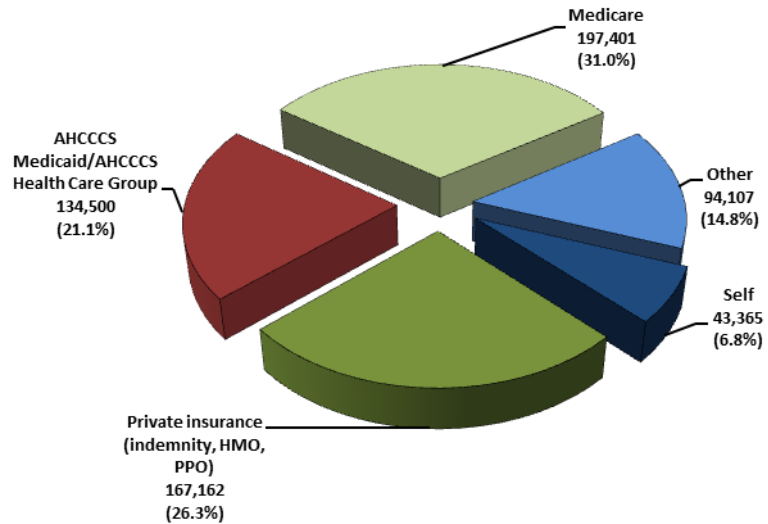
Based on the data from the National Hospital Discharge Survey, the longest continuously running nationally representative survey of hospital utilization, the length of stay for inpatients has changed dramatically from 1970 through 2010. In 1970, the average length of stay was 7.8 days, with one-third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

In 2013, the average length of hospital stay for Arizona inpatients was 4.6 days (Figure 4A-2, Table 4A-5). The percent of patients hospitalized for 3 days or less was 59.8 percent, with 14.1 percent of inpatients staying 8 days or more.

The average length of stay was 4.2 days for heart disease, 4.4 days for diabetes, 6.3 days for cancer, and 14.6 days for schizophrenic disorders.

Figure 4A-3
Hospital Inpatient Discharges by Payer, Arizona Residents, 2013

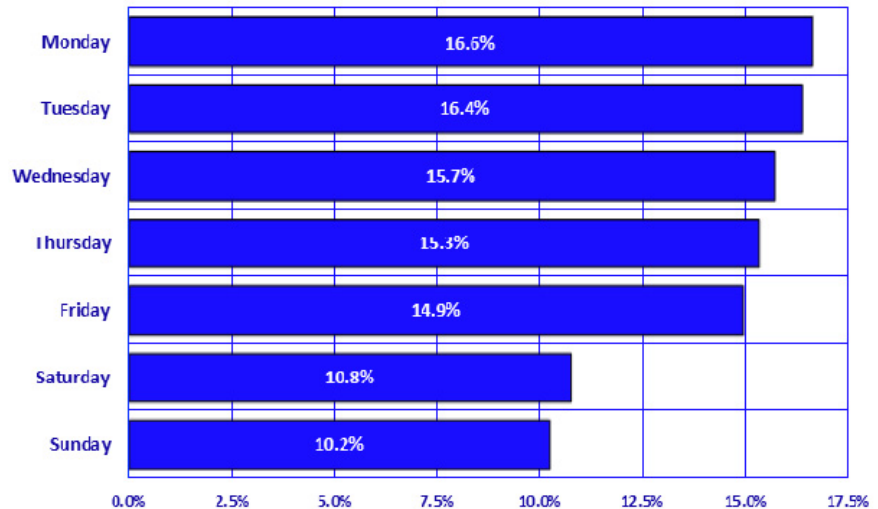
Medicare paid for 31.0 percent of all discharges (**Figure 4A-3**) and 68.1 percent of inpatient discharges of persons aged 65 years or older (**Table 4A-4**). Private insurance was the second most frequently recorded expected source of payment, accounting for 26.3 percent of inpatient discharges. The Arizona Health Care Cost Containment System (AHCCCS; the State's Medicaid Program) accounted for 21.1 percent of hospital inpatient discharges.



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

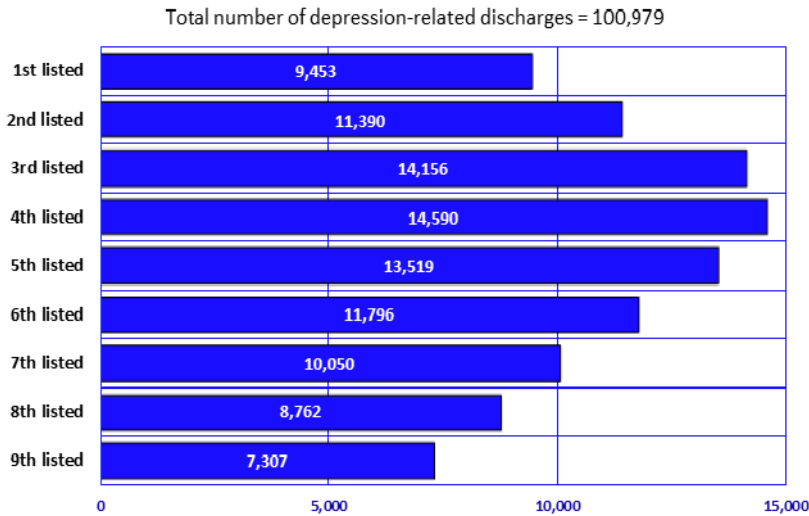
Figure 4A-4
Percent of Hospital Inpatient Admissions by Day of the Week, Arizona Residents, 2013

The rhythm of hospital births by day of the week (see **Figure 1B-14**) reveals that the daily average of resident live births in 2013 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^a Inpatient Discharges and Emergency Room Visits of Arizona Residents, 2013



Note: ^a ICD-9-CM diagnostic codes 300.4 and 311.

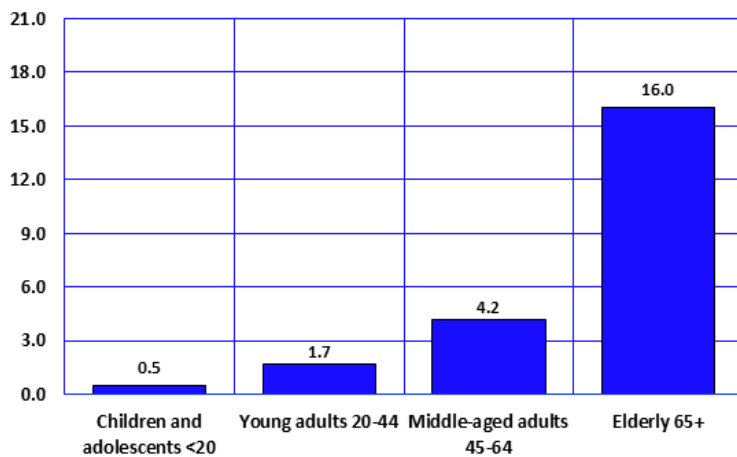
In 2013, the ICD-9-CM diagnostic codes 300.4 and 311 for depression were used on 2,568 inpatient discharge and 6,885 emergency room records as the first-listed diagnosis (for a total of 9,453 hospital encounters; **Figure 4A-5, Table 4A-1, Table 7C-1**).

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 nine diagnostic fields, depression was mentioned on 100,979 inpatient discharge and emergency room records. In fact, the depression diagnosis was substantially more frequently present as 2nd – 7th listed on the medical record than it was first-listed (**Figure 4A-5**).

When hospital data is used to estimate the prevalence of depression, it makes sense to include all mentions of this disorder in all diagnostic fields, not just the first one.

Figure 4A-6
Inpatient Hospitalization Rates for Enterocolitis due to *Clostridium difficile* By Age Group, Arizona Residents, 2013



In 2013, 2,701 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 inpatient hospitalization rates associated with enterocolitis due to *Clostridium difficile* tend to increase with age. The rate for the elderly 65 years or older (16.0/10,000) was 3.8 times greater than the rate of middle-aged adults (**Figure 4A-6**).

In 2013, 189 Arizonans died from enterocolitis due to *Clostridium difficile*. Elderly 65 years or older accounted for 87.3 percent of these deaths (**Table 2C-27**).

**TABLE 4A-1
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013**

Category of first-listed diagnosis	Total	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	
All categories	636,535	33,568	21,141	182,519	163,424	235,866	17
Infectious and parasitic diseases	38,238	1,444	544	7,042	11,777	17,431	0
Septicemia	27,444	220	259	4,620	8,453	13,892	0
Enterocolitis due to <i>Clostridium difficile</i>	2,701	70	26	362	671	1,572	0
Neoplasms	23,327	431	170	2,972	8,669	11,085	0
Malignant neoplasms	18,226	307	105	1,580	6,709	9,525	0
Large intestine	2,250†	0	*	112	767	1,369	0
Prostate	1,316	0	0	20	636	660	0
Trachea bronchus and lung	2,267	8	8	75	637	1,539	0
Breast	959	0	0	123	456	380	0
Benign neoplasms	4,014	79	51	1,244	1,632	1,008	0
Endocrine nutritional metabolic and immunity diseases	23,524	1,310	569	5,936	8,100	7,609	0
Diabetes mellitus	10,836	414	374	3,339	4,143	2,566	0
Volume depletion	60†	0	*	*	21	39	0
Morbid obesity	2,113	0	11	959	929	214	0
Diseases of the blood and blood forming organs	6,491	687	204	1,366	1,668	2,566	0
Mental disorders	41,195	2,203	4,662	18,353	12,124	3,840	13
Psychoses	34,356	1,902	3,878	15,166	10,212	3,191	7
Alcoholic psychoses	3,958	0	19	1,603	1,951	385	0
Drug psychoses	2,681	15	283	1,623	566	194	0
Schizophrenic disorders	5,398	22	209	3,054	1,906	206	*
Manic-depressive disorders	18,948	1,793	3,089	7,677	5,140	1,244	*
Neurotic disorders	6,839	301	784	3,187	1,912	649	6
Anxiety states	507	16	46	192	134	119	0
Depression	2,568	134	332	1,192	666	243	*
Drug dependence	515	8	124	278	87	17	*
Nondependent abuse of drugs	580†	*	51	307	174	44	*
Alcohol dependence syndrome	960	0	7	383	456	112	*
Diseases of the nervous system	14,977	1,716	597	3,595	4,297	4,772	0
Diseases of the circulatory system	83,100	360	189	5,690	23,996	52,865	0
Heart disease	52,832	164	93	3,232	15,289	34,054	0
Acute myocardial infarction	10,010	0	0	530	3,603	5,877	0
Coronary arteriosclerosis	6,661	0	0	182	2,406	4,073	0

TABLE 4A-1 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013

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	680†	*	*	46	280	348	0
Cardiac dysrhythmias	13,591	74	33	776	3,207	9,501	0
Cardiac arrest	173	13	0	17	47	96	0
Congestive heart failure	2,030†	30	*	89	485	1,427	0
Cerebrovascular disease	15,936	52	22	784	4,161	10,917	0
Diseases of the respiratory system	56,042	9,143	735	5,266	13,781	27,116	*
Acute bronchitis and bronchiolitis	4,268	3,231	8	141	262	626	0
Pneumonia	16,698	2,090	221	1,546	3,709	9,132	0
Chronic bronchitis	8,930†	*	*	129	2,891	5,910	0
Asthma	6,062	1,798	156	1,087	1,713	1,308	0
Diseases of the digestive system	65,400	3,012	1,480	15,741	21,239	23,928	0
Appendicitis	4,841	1,062	487	1,767	1,005	520	0
Noninfectious enteritis and colitis	5,524	290	163	1,437	1,559	2,075	0
Diverticula of intestine	5,590†	*	*	815	1,910	2,853	0
Cholelithiasis	7,484	45	225	2,825	2,238	2,151	0
Diseases of the genitourinary system	30,695	1,527	565	6,565	8,329	13,709	0
Calculus of kidney and ureter	3,940	23	88	1,378	1,444	1,007	0
Diseases of the skin and subcutaneous tissue	15,470	1,304	350	4,476	5,096	4,244	0
Cellulitis and abscess	13,576	1,092	277	4,041	4,508	3,658	0
Diseases of the musculoskeletal system	43,614	582	373	4,016	15,710	22,933	0
Osteoarthritis and allied disorders	22,450†	0	*	416	7,795	14,234	0
Invertebral disc disorders	4,700†	*	20	1,172	2,043	1,459	0
Congenital anomalies	2,419	1,457	119	306	315	222	0
Conditions originating in perinatal period	2,720†	2,713	*	*	0	0	0
Symptoms signs and ill-defined conditions	20,857	1,884	421	3,635	6,929	7,988	0
Injury and poisoning	61,709	2,927	1,992	13,826	17,549	25,412	*
Fractures, all sites	21,101	994	649	3,832	4,572	11,054	0
Fracture of neck of femur	6,415	16	11	111	804	5,473	0
Poisonings	7,045	372	548	2,814	2,382	928	*

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 BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2013**

Category of first-listed diagnosis	Total	Patient's gender		
		Female	Male	Unknown
All categories	636,535	368,452	268,077	6
Infectious and parasitic diseases	38,238	19,645	18,593	0
Septicemia	27,444	14,001	13,443	0
Enterocolitis due to <i>Clostridium difficile</i>	2,701	1,714	987	0
Neoplasms	23,327	12,380	10,947	0
Malignant neoplasms	18,226	8,759	9,467	0
Large intestine	2,249	1,054	1,195	0
Prostate	1,316	0	1,316	0
Trachea bronchus and lung	2,267	1,125	1,142	0
Breast	959	950	9	0
Benign neoplasms	4,014	3,051	963	0
Endocrine nutritional metabolic and immunity diseases	23,524	12,254	11,270	0
Diabetes mellitus	10,836	4,599	6,237	0
Volume depletion	64	35	29	0
Morbid obesity	2,113	1,595	518	0
Diseases of the blood and blood forming organs	6,491	3,620	2,871	0
Mental disorders	41,195	20,314	20,879	*
Psychoses	34,356	16,929	17,427	0
Alcoholic psychoses	3,958	1,215	2,743	0
Drug psychoses	2,681	1,105	1,576	0
Schizophrenic disorders	5,398	2,119	3,279	0
Manic-depressive disorders	18,948	10,946	8,002	0
Neurotic disorders	6,839	3,385	3,452	*
Anxiety states	507	305	202	0
Depression	2,568	1,351	1,217	0
Drug dependence	515	206	309	0
Nondependent abuse of drugs	579	215	364	0
Alcohol dependence syndrome	960	311	649	0
Diseases of the nervous system	14,977	8,153	6,824	0
Diseases of the circulatory system	83,100	36,623	46,477	0
Heart disease	52,832	22,189	30,643	0
Acute myocardial infarction	10,010	3,514	6,496	0
Coronary arteriosclerosis	6,661	2,095	4,566	0

**TABLE 4A-2 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2013**

Category of first-listed diagnosis	Total	Patient's gender		
		Female	Male	Unknown
Other ischemic heart disease	677	268	409	0
Cardiac dysrhythmias	13,591	6,434	7,157	0
Cardiac arrest	173	65	108	0
Congestive heart failure	2,032	907	1,125	0
Cerebrovascular disease	15,936	7,824	8,112	0
Diseases of the respiratory system	56,042	28,607	27,434	*
Acute bronchitis and bronchiolitis	4,268	2,021	2,247	0
Pneumonia	16,698	8,500	8,198	0
Chronic bronchitis	8,934	4,817	4,117	0
Asthma	6,062	3,584	2,478	0
Diseases of the digestive system	65,400	35,116	30,284	0
Appendicitis	4,841	2,143	2,698	0
Noninfectious enteritis and colitis	5,524	3,539	1,985	0
Diverticula of intestine	5,585	3,110	2,475	0
Cholelithiasis	7,484	4,813	2,671	0
Diseases of the genitourinary system	30,695	18,350	12,345	0
Calculus of kidney and ureter	3,940	1,918	2,022	0
Diseases of the skin and subcutaneous tissue	15,470	7,045	8,425	0
Cellulitis and abscess	13,576	6,148	7,428	0
Diseases of the musculoskeletal system	43,614	23,555	20,059	0
Osteoarthritis and allied disorders	22,449	12,937	9,512	0
Invertebral disc disorders	4,698	2,344	2,354	0
Congenital anomalies	2,419	1,110	1,309	0
Conditions originating in perinatal period	2,716	1,153	1,563	0
Symptoms signs and ill-defined conditions	20,857	11,300	9,556	*
Injury and poisoning	61,709	30,585	31,122	*
Fractures, all sites	21,101	11,500	9,600	*
Fracture of neck of femur	6,415	4,293	2,122	0
Poisonings	7,045	3,871	3,174	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; ‡ Excluding newborn infants.

**TABLE 4A-3
NUMBER OF DISCHARGES BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2013**

Category of first-listed diagnosis	Total	Race/ethnicity							Other	Refused
		American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic				
Total	636,535	26,372	9,553	31,028	129,662	432,201	1,408	6,311		
Infectious and parasitic diseases	38,238	2,118	506	1,772	8,028	25,403	79	332		
Septicemia	27,444	1,665	343	1,112	5,579	18,442	63	240		
Enterocolitis due to <i>Clostridium difficile</i>	2,700†	71	21	111	370	2,117	*	10		
Neoplasms	23,327	483	457	1,069	3,649	17,361	48	260		
Malignant neoplasms	18,226	363	333	674	2,591	14,047	30	188		
Large intestine	2,250†	33	36	86	324	1,747	*	21		
Prostate	1,316	8	20	71	136	1,060	10	11		
Trachea bronchus and lung	2,270†	25	39	104	184	1,888	*	25		
Breast	960†	16	24	31	119	760	*	6		
Benign neoplasms	4,014	95	106	345	897	2,494	15	62		
Endocrine nutritional metabolic and immunity diseases	23,524	1,539	288	1,450	5,367	14,630	48	202		
Diabetes mellitus	10,836	962	95	723	2,846	6,092	25	93		
Volume depletion	60†	*	*	*	7	49	0	0		
Morbid obesity	2,113	23	11	158	411	1,496	0	14		
Diseases of the blood and blood forming organs	6,491	254	106	918	1,285	3,840	15	73		
Mental disorders	41,195	1,599	379	2,661	5,842	30,039	133	542		
Psychoses	34,356	1,205	333	2,340	4,786	25,138	117	437		
Alcoholic psychoses	3,958	298	13	114	428	3,075	8	22		
Drug psychoses	2,680†	31	26	109	358	2,132	*	21		
Schizophrenic disorders	5,398	196	64	678	901	3,460	25	74		
Manic-depressive disorders	18,948	571	182	1,150	2,588	14,122	68	267		
Neurotic disorders	6,839	394	46	321	1,056	4,901	16	105		
Anxiety states	507	7	6	25	71	391	0	7		
Depression	2,568	128	17	133	404	1,829	6	51		
Drug dependence	520†	11	*	19	79	400	0	*		
Nondependent abuse of drugs	580†	68	*	35	106	359	0	9		
Alcohol dependence syndrome	960†	115	*	17	98	716	*	6		
Diseases of the nervous system	14,977	682	195	885	2,801	10,203	31	180		
Diseases of the circulatory system	83,100	1,968	961	3,983	11,238	64,056	137	757		
Heart disease	52,832	1,214	557	2,270	6,804	41,410	89	488		
Acute myocardial infarction	10,010	246	104	352	1,496	7,668	14	130		
Coronary atherosclerosis	6,661	168	103	196	914	5,207	8	65		

**TABLE 4A-3 (continued)
NUMBER OF DISCHARGES BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2013**

Category of first-listed diagnosis	Total	Race/ethnicity							Other	Refused
		American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic				
Other ischemic heart disease	680†	27	10	23	105	502	*	9		
Cardiac dysrhythmias	13,591	212	115	377	1,380	11,383	22	102		
Cardiac arrest	170†	10	*	9	30	116	*	*		
Congestive heart failure	2,032	69	31	94	291	1,524	10	13		
Cerebrovascular disease	15,936	322	230	709	2,200	12,281	24	170		
Diseases of the respiratory system	56,042	2,657	664	2,858	9,969	39,295	111	488		
Acute bronchitis and bronchiolitis	4,268	449	61	243	1,535	1,913	7	60		
Pneumonia	16,698	886	222	646	2,956	11,806	40	142		
Chronic bronchitis	8,934	95	55	300	595	7,846	9	34		
Asthma	6,062	315	72	750	1,466	3,386	19	54		
Diseases of the digestive system	65,400	3,112	768	2,594	13,967	44,316	113	530		
Appendicitis	4,841	153	84	155	1,710	2,670	12	57		
Noninfectious enteritis and colitis	5,524	161	57	247	900	4,086	9	64		
Diverticula of intestine	5,585	114	33	187	938	4,274	9	30		
Cholelithiasis	7,484	470	100	243	2,293	4,292	10	76		
Diseases of the genitourinary system	30,695	1,166	398	1,392	6,363	21,061	50	265		
Calculus of kidney and ureter	3,940†	73	51	103	713	2,960	*	36		
Diseases of the skin and subcutaneous tissue	15,470	1,018	136	609	3,156	10,418	23	110		
Cellulitis and abscess	13,576	907	104	485	2,765	9,206	22	87		
Diseases of the musculoskeletal system	43,614	1,006	377	1,318	4,778	35,533	164	438		
Osteoarthritis and allied disorders	22,449	305	147	514	1,821	19,360	98	204		
Invertebral disc disorders	4,698	93	66	135	555	3,772	22	55		
Congenital anomalies	2,420†	144	27	99	745	1,352	*	48		
Conditions originating in perinatal period	2,716	199	71	138	1,016	1,207	9	76		
Symptoms signs and ill-defined conditions	20,857	812	272	1,242	3,860	14,461	29	181		
Injury and poisoning	61,709	3,378	670	2,485	10,401	44,009	172	594		
Fractures, all sites	21,101	1,059	217	535	3,354	15,671	62	203		
Fracture of neck of femur	6,415	171	60	66	586	5,479	10	43		
Poisonings	7,045	337	70	351	1,223	4,979	10	75		

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; † Excluding newborn infants.

**TABLE 4A-4
NUMBER OF DISCHARGES^a BY PRIMARY PAYER, GENDER, AGE GROUP, RACE/ETHNICITY,
AND MARITAL STATUS, ARIZONA, 2013**

Selected characteristics		Total	Self	Private insurance (indemnity, HMO, PPO)	AHCCCS/Medicaid	Medicare	Other
Total		636,535	43,365	167,162	134,500	197,401	94,107
Gender	Female	368,452	19,249	103,107	92,726	103,139	50,231
	Male	268,077	24,113	64,055	41,771	94,262	43,876
	Unknown	10†	*	0	*	0	0
Age group	Children <15 years	33,568	1,043	10,659	19,647	36	2,183
	Adolescents 15-19 years	21,141	1,298	7,147	11,509	76	1,111
	Young adults 20-44 years	182,519	21,282	69,271	70,311	8,787	12,868
	Middle-aged adults 45-64 years	163,424	18,695	65,809	29,549	27,869	21,502
	Elderly 65+ years	235,866	1,043	14,267	3,484	160,633	56,439
	Unknown	20†	*	9	0	0	*
Race/ethnicity	American Indian or Alaska Native	26,372	1,490	3,855	8,481	6,124	6,422
	Asian or Pacific Islander	9,553	622	4,029	2,088	1,842	972
	Black or African American	31,028	2,967	6,603	10,828	6,905	3,725
	Hispanic or Latino	129,662	13,262	27,218	55,215	19,470	14,497
	White non-Hispanic	432,201	24,374	123,052	55,949	161,328	67,498
	Other	1,408	148	347	373	337	203
	Refused	6,311	502	2,058	1,566	1,395	790
Patient's marital status	Single	228,333	24,514	56,040	89,564	33,582	24,633
	Married	272,682	11,599	95,135	29,672	95,564	40,712
	Separated	6,417	991	1,204	1,858	1,459	905
	Divorced	52,749	4,600	9,913	9,237	18,918	10,081
	Widowed	71,101	1,120	3,947	2,531	46,482	17,021
	Unknown	4,998	541	908	1,398	1,396	755
	Not Applicable	255	0	15	240	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 Excluding newborn infants.

**TABLE 4A-5
AVERAGE LENGTH OF STAY FOR DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013**

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	4.6	4.6	4.3	3.7	4.9	5.0	3.1
Infectious and parasitic diseases	6.2	5.1	4.7	5.8	6.7	6.2	0.0
Septicemia	6.7	11.5	5.6	6.4	7.2	6.5	0.0
Enterocolitis due to <i>Clostridium difficile</i>	5.6	5.2	3.4	4.7	5.4	6.0	0.0
Neoplasms	5.8	10.9	7.9	5.2	5.5	6.0	0.0
Malignant neoplasms	6.3	13.3	10.4	7.0	5.9	6.1	0.0
Large intestine	7.3	0.0	8.0	7.1	7.0	7.5	0.0
Prostate	2.1	0.0	0.0	1.6	1.8	2.4	0.0
Trachea bronchus and lung	6.4	13.1	4.8	5.9	6.7	6.3	0.0
Breast	2.2	0.0	0.0	2.2	2.2	2.1	0.0
Benign neoplasms	3.6	3.3	3.6	3.0	3.3	4.8	0.0
Endocrine nutritional metabolic and immunity diseases	3.9	3.5	3.2	3.1	4.2	4.1	0.0
Diabetes mellitus	4.5	2.6	2.3	3.4	5.2	5.3	0.0
Volume depletion	2.5	0.0	1.0	1.7	2.6	2.5	0.0
Morbid obesity	2.0	0.0	2.2	1.9	2.1	2.5	0.0
Diseases of the blood and blood forming organs	3.8	4.5	5.7	3.6	3.8	3.6	0.0
Mental disorders	8.5	8.6	8.1	8.1	8.7	10.3	3.8
Psychoses	9.1	8.8	8.2	8.7	9.4	11.2	4.7
Alcoholic psychoses	5.0	0.0	3.6	4.4	5.3	5.8	0.0
Drug psychoses	5.2	10.3	6.0	5.2	5.1	4.2	0.0
Schizophrenic disorders	14.6	17.2	14.2	14.1	15.0	19.9	6.0
Manic-depressive disorders	8.7	8.6	7.9	8.1	9.3	12.5	4.4
Neurotic disorders	5.6	7.6	7.3	5.3	5.1	6.2	2.8
Anxiety states	4.7	8.8	3.8	4.6	4.0	5.6	0.0
Depression	6.0	7.1	5.2	5.3	6.3	8.7	4.0
Drug dependence	8.2	16.4	15.3	5.9	5.1	5.4	1.0
Nondependent abuse of drugs	2.6	1.0	2.8	2.4	2.8	2.4	5.0
Alcohol dependence syndrome	4.8	0.0	5.9	4.9	4.7	4.4	3.5
Diseases of the nervous system	4.2	4.0	3.9	3.5	4.1	4.9	0.0
Diseases of the circulatory system	4.1	7.9	4.4	4.1	4.2	4.1	0.0
Heart disease	4.2	9.2	3.8	4.0	4.1	4.3	0.0
Acute myocardial infarction	4.2	0.0	0.0	3.5	3.9	4.5	0.0
Coronary atherosclerosis	4.0	0.0	0.0	3.3	3.6	4.2	0.0

TABLE 4A-5 (continued)
AVERAGE LENGTH OF STAY FOR DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013

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
Other ischemic heart disease	3.0	36.0	1.0	1.9	3.5	2.5	0.0
Cardiac dysrhythmias	3.1	3.6	2.3	2.6	2.9	3.2	0.0
Cardiac arrest	3.0	2.7	0.0	3.5	3.4	2.8	0.0
Congestive heart failure	3.9	16.7	5.0	3.5	3.5	3.8	0.0
Cerebrovascular disease	3.9	10.0	5.2	5.2	4.6	3.5	0.0
Diseases of the respiratory system	5.1	3.3	4.3	4.7	5.4	5.6	0.0
Acute bronchitis and bronchiolitis	3.3	3.4	5.1	2.7	3.0	3.1	0.0
Pneumonia	4.7	3.4	5.1	4.5	4.7	4.9	0.0
Chronic bronchitis	4.1	6.0	0.0	3.5	3.9	4.3	0.0
Asthma	3.2	2.1	2.4	3.1	3.7	4.2	0.0
Diseases of the digestive system	4.2	3.6	3.3	3.5	4.3	4.6	0.0
Appendicitis	2.8	3.5	2.5	2.1	2.9	4.1	0.0
Noninfectious enteritis and colitis	4.1	4.2	5.5	3.7	3.9	4.3	0.0
Diverticula of intestine	4.4	3.0	5.2	4.0	4.4	4.4	0.0
Cholelithiasis	3.3	3.3	2.6	2.4	3.3	4.4	0.0
Diseases of the genitourinary system	3.5	3.0	3.2	2.7	3.5	3.9	0.0
Calculus of kidney and ureter	2.2	2.3	2.3	1.9	2.1	2.6	0.0
Diseases of the skin and subcutaneous tissue	4.2	2.3	2.9	3.7	4.5	5.1	0.0
Cellulitis and abscess	3.9	2.2	2.7	3.4	4.2	4.7	0.0
Diseases of the musculoskeletal system	3.1	4.0	3.9	3.5	3.0	3.1	0.0
Osteoarthritis and allied disorders	2.5	0.0	4.0	2.3	2.4	2.6	0.0
Invertebral disc disorders	2.7	8.0	1.7	2.2	2.6	3.2	0.0
Congenital anomalies	6.8	8.6	4.0	4.2	4.3	4.0	0.0
Conditions originating in perinatal period	7.3	7.3	2.0	4.5	0.0	0.0	0.0
Symptoms signs and ill-defined conditions	2.6	2.8	2.8	2.4	2.5	2.7	0.0
Injury and poisoning	4.8	4.1	3.5	4.3	5.2	5.0	0.7
Fractures, all sites	4.5	2.6	3.7	4.4	4.8	4.6	0.0
Fracture of neck of femur	5.0	3.6	5.5	4.9	5.2	5.0	0.0
Poisonings	3.3	1.9	2.4	3.1	3.8	3.5	2.0

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. Procedure groupings and code numbers are based on the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).

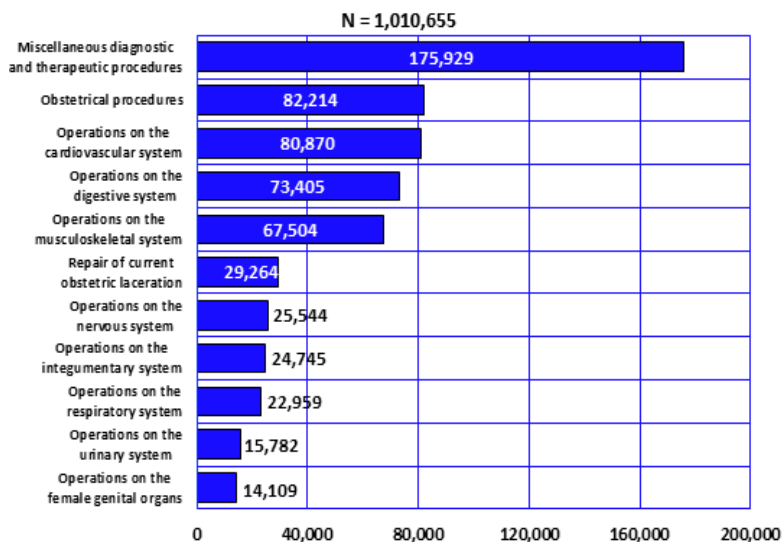
For comparability with the national data*, the rates of all-listed procedures are presented per 10,000 population. The groupings of ICD-9-CM codes used to identify specific procedure categories can be accessed at <http://www.azdhs.gov/plan/hip/cat/icd9procedure.xls>.

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 - 2013 reports, we continue to analyze the top six procedures. Another reason is comparability with the previously published data for 2000-2007.

*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

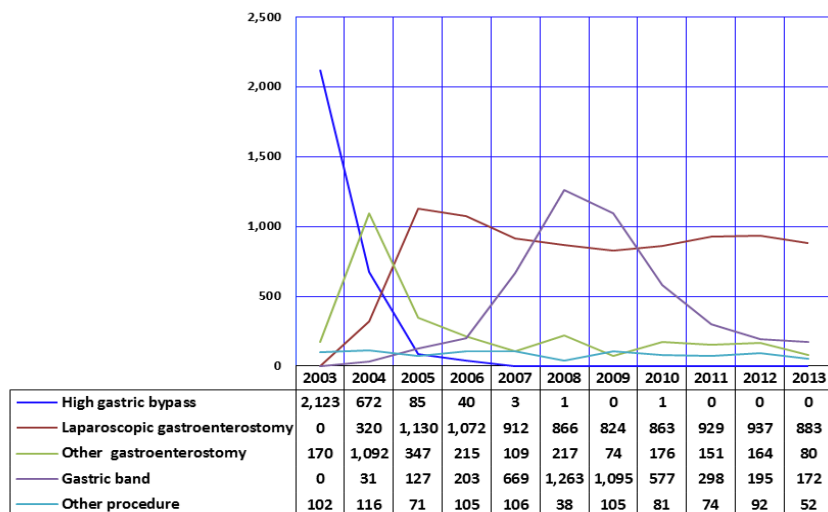
Figure 4B-1
Ten Leading Categories of All-listed Inpatient Procedures,
Arizona Residents, 2013



During 2013, 1,010,655 procedures were performed among the 636,535 total inpatient discharges to Arizona residents. The rate of procedures was 1,535.7 per 10,000 population. For Arizona males, this rate was 1,353.5/10,000, and for Arizona females it was 1,716.1/10,000.

No specific procedure was recorded for approximately 45.7 percent of all inpatient discharges. Only 6.4 percent of inpatients had six procedures reported. Among the inpatient discharges which had one or more specific procedures recorded, the most frequent were miscellaneous diagnostic and therapeutic procedures (such as arteriography and angiocardiology or respiratory therapy), followed by obstetrical procedures, operations on the cardiovascular system, and operations on the digestive system (**Figure 4B-1, Table 4B1**).

Figure 4B-2
Trends in Types of Inpatient Procedures Performed in Treatment of Morbid Obesity, Arizona Residents, 2003-2013



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 2013, **morbid obesity** (ICD-9-CM code 278.01) was the principal diagnosis for 2,113 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 only 2 gastric bypass surgeries being completed in the past 6 years (**Figure 4B-2**). Not a single *laparoscopic gastroenterostomy* procedure was reported in Arizona prior to 2004. In 2013, it was the most popular, with 883 procedures performed.

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

**TABLE 4B-1
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2013**

Procedures by category	Total	Age group					Un-known
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	
All procedures	1,010,655	69,553	26,303	279,600	271,374	363,822	3
Operations on the nervous system	25,544	3,315	1,064	7,175	6,474	7,516	0
Spinal tap	7,503	2,394	227	1,770	1,708	1,404	0
Operations on the endocrine system	1,514	37	19	371	587	500	0
Operations on the eye	952	104	41	326	244	237	0
Operations on the ear	433	113	25	121	91	83	0
Operations on the nose, mouth, and pharynx	4,095	686	183	1,230	1,007	989	0
Operations on the respiratory system	22,959	844	324	2,916	7,078	11,797	0
Bronchoscopy with or without biopsy	991	17	7	146	371	450	0
Operations on the cardiovascular system	80,870	3,537	598	8,715	26,388	41,632	0
Removal of coronary artery obstruction	8,330†	*	0	408	3,335	4,582	0
Coronary artery bypass graft	3,490†	0	*	82	1,134	2,274	0
Cardiac catheterization	19,291	116	13	1,190	7,533	10,439	0
Insertion, replacement, removal, of pacemaker leads	4,020	27	6	125	637	3,225	0
Hemodialysis	15,679	35	47	2,398	6,226	6,973	0
Operations on the hemic and lymphatic system	7,625	300	117	990	2,778	3,440	0
Operations on the digestive system	73,405	2,856	1,458	17,104	24,377	27,610	0
Gastric band	66	0	0	30	30	6	0
Endoscopy of small intestine with or without biopsy	19,003	303	253	3,453	6,296	8,698	0
Endoscopy of large intestine with or without biopsy	8,157	146	117	1,305	2,392	4,197	0
Partial excision of large intestine	3,004	53	20	374	937	1,620	0
Appendectomy, excluding incidental	5,422	1,075	521	2,008	1,195	623	0
Cholecystectomy	10,152	68	310	3,811	3,069	2,894	0
Lysis of peritoneal adhesions	7,013	113	56	1,862	2,364	2,618	0
Operations on the urinary system	15,782	450	194	3,485	5,162	6,491	0
Cystoscopy with or without biopsy	3,685	160	42	984	1,194	1,305	0
Operations on the male genital organs	9,406	6,701	28	238	968	1,471	0
Prostatectomy	2,000	0	0	23	763	1,214	0

TABLE 4B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2013

Procedures by category	Total	Age group					Un-known
		Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	
Operations on the female genital organs	14,109	127	227	9,571	2,884	1,300	0
Oophorectomy and salpingo-oophorectomy	3,470	15	20	1,109	1,604	722	0
Bilateral destruction/occlusion of fallopian tubes	4,760†	0	*	4,734	24	0	0
Hysterectomy	4,790†	*	*	2,032	2,059	691	0
Obstetrical procedures	82,210†	67	7,017	75,003	126	*	0
Episiotomy with or w/o forceps or vacuum extraction	5,800†	13	759	5,026	*	0	0
Artificial rupture of membranes	22,778	22	2,139	20,592	25	0	0
Cesarean section	23,145	7	1,174	21,894	70	0	0
Repair of current obstetric laceration	29,264	36	3,304	25,899	25	0	0
Operations on the musculoskeletal system	67,504	1,525	1,050	8,819	22,947	33,162	*
Partial excision of bone	8,791	155	148	1,429	3,743	3,316	0
Reduction of fracture	11,329	556	376	2,196	2,753	5,448	0
Open reduction of fracture with internal fixation	8,121	282	312	1,795	2,156	3,576	0
Excision or destruction of intervertebral disc	6,190†	*	26	1,195	2,909	2,055	0
Total hip replacement	7,170†	*	7	279	2,531	4,355	0
Total knee replacement	14,670†	*	*	212	5,273	9,182	0
Operations on the integumentary system	24,745	1,420	661	6,874	8,622	7,168	0
Debridement of wound, infection, or burn	6,524	263	178	1,817	2,463	1,803	0
Miscellaneous diagnostic and therapeutic procedures	175,929	29,773	3,057	30,729	44,609	67,760	*
Computerized axial tomography	2,662	98	32	398	770	1,364	0
Arterio- & angiocardiology using contrast material	24,869	135	50	1,701	9,222	13,761	0
Diagnostic ultrasound	10,258	399	71	1,210	2,895	5,683	0
Respiratory therapy	28,508	3,116	379	4,133	8,458	12,421	*
Insertion of endotracheal tube	16,149	2,069	227	2,639	4,828	6,385	*
Injection/infusion of cancer chemotherapy substance	3,487	736	257	623	999	872	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 PROCEURES BY CATEGORY AND GENDER, ARIZONA, 2013**

Procedures by category	Total	Patient's gender		
		Female	Male	Unknown
All procedures	1,010,655	567,344	443,283	28
Operations on the nervous system	25,544	14,109	11,435	0
Spinal tap	7,503	3,674	3,829	0
Operations on the endocrine system	1,514	944	570	0
Operations on the eye	952	324	628	0
Operations on the ear	433	141	292	0
Operations on the nose, mouth, and pharynx	4,095	1,550	2,545	0
Operations on the respiratory system	22,959	10,536	12,421	*
Bronchoscopy with or without biopsy	991	438	553	0
Operations on the cardiovascular system	80,870	35,975	44,894	*
Removal of coronary artery obstruction	8,326	2,558	5,768	0
Coronary artery bypass graft	3,491	894	2,597	0
Catheterization	19,291	7,208	12,083	0
Insertion, replacement, removal, of pacemaker leads	4,020	1,782	2,238	0
Hemodialysis	15,679	7,004	8,675	0
Operations on the hemic and lymphatic system	7,625	3,679	3,946	0
Operations on the digestive system	73,405	39,747	33,658	0
Gastric band	66	49	17	0
Endoscopy of small intestine with or without biopsy	19,003	9,877	9,126	0
Endoscopy of large intestine with or without biopsy	8,157	4,657	3,500	0
Partial excision of large intestine	3,004	1,607	1,397	0
Appendectomy, excluding incidental	5,422	2,559	2,863	0
Cholecystectomy	10,152	6,448	3,704	0
Lysis of peritoneal adhesions	7,013	4,816	2,197	0
Operations on the urinary system	15,782	7,998	7,784	0
Cystoscopy with or without biopsy	3,685	2,239	1,446	0
Operations on the male genital organs	9,406	0	9,406	0
Prostatectomy	2,000	0	2,000	0

**TABLE 4B-2 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND GENDER, ARIZONA, 2013**

Procedures by category	Total	Patient's gender		
		Female	Male	Unknown
Operations on the female genital organs	14,109	14,109	0	0
Oophorectomy and salpingo-oophorectomy	3,470	3,470	0	0
Bilateral destruction/occlusion of fallopian tubes	4,760	4,760	0	0
Hysterectomy	4,788	4,788	0	0
Obstetrical procedures	82,214	82,214	0	0
Episiotomy with or w/o forceps or vacuum extraction	5,802	5,802	0	0
Artificial rupture of membranes	22,778	22,778	0	0
Cesarean section	23,145	23,145	0	0
Repair of current obstetric laceration	29,264	29,264	0	0
Operations on the musculoskeletal system	67,504	34,913	32,591	0
Partial excision of bone	8,791	4,152	4,639	0
Reduction of fracture	11,329	6,365	4,964	0
Open reduction of fracture with internal fixation	8,121	4,478	3,643	0
Excision or destruction of intervertebral disc	6,190	3,163	3,027	0
Total hip replacement	7,173	4,040	3,133	0
Total knee replacement	14,673	8,617	6,056	0
Operations on the integumentary system	24,745	11,585	13,160	0
Debridement of wound, infection, or burn	6,524	2,628	3,896	0
Miscellaneous diagnostic and therapeutic procedures	175,929	88,626	87,287	16
Computerized axial tomography	2,662	1,397	1,265	0
Arterio- & angiocardiography using contrast material	24,869	9,742	15,127	0
Diagnostic ultrasound	10,258	4,483	5,774	*
Respiratory therapy	28,508	12,717	15,789	*
Insertion of endotracheal tube	16,149	7,067	9,080	*
Injection/infusion of cancer chemotherapy substance	3,487	1,639	1,848	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, 2013**

Procedures by category	Total	Race/ethnicity						Other	Refused
		American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic			
All procedures	1,010,655	42,776	17,210	45,332	210,842	679,823	2,346	12,326	
Operations on the nervous system	25,544	1,056	423	1,109	5,972	16,575	86	323	
Spinal tap	7,503	385	130	476	2,110	4,292	7	103	
Operations on the endocrine system	1,510†	53	42	81	289	1,023	*	23	
Operations on the eye	950†	83	11	51	200	591	*	12	
Operations on the ear	433	25	6	17	111	271	0	*	
Operations on the nose, mouth, and pharynx	4,095	253	74	244	881	2,584	9	50	
Operations on the respiratory system	22,959	838	362	970	3,539	16,984	38	228	
Bronchoscopy with or without biopsy	990†	30	19	41	153	736	*	9	
Operations on the cardiovascular system	80,870	3,441	957	3,782	12,440	59,232	147	871	
Removal of coronary artery obstruction	8,326	184	98	268	1,151	6,524	11	90	
Coronary artery bypass graft	3,491	91	56	59	487	2,739	8	51	
Cardiac catheterization	19,291	526	236	819	2,861	14,598	20	231	
Insertion, replacement, removal, of pacemaker leads	4,020	86	54	105	420	3,302	8	45	
Hemodialysis	15,679	1,986	237	1,496	4,523	7,277	38	122	
Operations on the hemic and lymphatic system	7,625	174	130	316	1,113	5,786	21	85	
Operations on the digestive system	73,405	3,412	1,079	3,239	15,540	49,327	120	688	
Gastric band	70†	*	*	*	14	45	0	0	
Endoscopy of small intestine with or without biopsy	19,003	982	281	915	3,362	13,268	31	164	
Endoscopy of large intestine with or without biopsy	8,157	329	101	382	1,298	5,968	12	67	
Partial excision of large intestine	3,004	90	32	101	401	2,349	7	24	
Appendectomy, excluding incidental	5,422	175	97	173	1,829	3,077	12	59	
Cholecystectomy	10,152	578	137	352	2,987	5,975	16	107	
Lysis of peritoneal adhesions	7,013	198	108	395	1,325	4,901	20	66	
Operations on the urinary system	15,782	505	235	676	2,887	11,322	23	134	
Cystoscopy with or without biopsy	3,690†	85	49	172	680	2,658	*	37	
Operations on the male genital organs	9,406	118	295	411	1,256	7,037	16	273	
Prostatectomy	2,000	24	28	96	208	1,613	14	17	

**TABLE 4B-3 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2013**

Procedures by category	Total	Race/ethnicity						
		American Indian or Alaska Native	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
Operations on the female genital organs	14,109	490	378	893	4,706	7,414	35	193
Oophorectomy and salpingo-oophorectomy	3,470	74	84	215	710	2,329	11	47
Bilateral destruction/occlusion of fallopian tubes	4,760	199	151	235	2,187	1,922	13	53
Hysterectomy	4,788	93	110	337	1,160	3,001	14	73
Obstetrical procedures	82,214	3,219	2,829	4,350	32,193	38,435	184	1,004
Episiotomy with or w/o forceps or vacuum extraction	5,802	144	280	173	1,521	3,579	12	93
Artificial rupture of membranes	22,778	906	670	1,201	8,472	11,246	15	268
Cesarean section	23,145	895	927	1,363	8,507	11,102	62	289
Repair of current obstetric laceration	29,264	907	1,235	1,161	10,723	14,768	73	397
Operations on the musculoskeletal system	67,504	2,529	614	2,023	9,042	52,403	245	648
Partial excision of bone	8,791	403	92	313	1,306	6,559	36	82
Reduction of fracture	11,329	522	114	309	1,928	8,318	37	101
Open reduction of fracture with internal fixation	8,121	384	80	243	1,405	5,897	31	81
Excision or destruction of intervertebral disc	6,190	121	73	163	725	5,014	27	67
Total hip replacement	7,173	78	32	157	383	6,453	22	48
Total knee replacement	14,673	241	116	347	1,449	12,299	70	151
Operations on the integumentary system	24,745	1,619	278	1,193	5,091	16,234	77	253
Debridement of wound, infection, or burn	6,524	521	55	317	1,387	4,162	32	50
Miscellaneous diagnostic and therapeutic procedures	175,929	8,205	3,037	8,409	35,490	117,615	416	2,757
Computerized axial tomography	2,660†	63	36	114	422	1,972	*	53
Arterio- & angiocardiography using contrast material	24,869	735	300	1,086	3,651	18,804	35	258
Diagnostic ultrasound	10,258	357	143	373	1,429	7,810	22	124
Respiratory therapy	28,508	1,736	346	1,461	4,846	19,626	53	440
Insertion of endotracheal tube	16,149	907	206	893	3,068	10,815	30	230
Injection/infusion of cancer chemotherapy substance	3,490†	127	99	107	904	2,218	*	29

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, 2013**

Procedures by category	Total	Self	Private insurance (indemnity, HMO, PPO)	AHCCCS/Medicaid	Medicare	Other
All procedures	1,010,655	59,013	293,965	208,592	296,650	152,435
Operations on the nervous system	25,544	1,371	7,941	6,575	6,095	3,562
Spinal tap	7,503	643	2,152	2,537	1,339	832
Operations on the endocrine system	1,514	60	633	207	403	211
Operations on the eye	952	176	221	196	186	173
Operations on the ear	433	59	125	108	77	64
Operations on the nose, mouth, and pharynx	4,095	558	1,220	874	879	564
Operations on the respiratory system	22,959	1,401	4,701	2,969	9,606	4,282
Bronchoscopy with or without biopsy	991	62	238	131	395	165
Operations on the cardiovascular system	80,870	4,790	16,674	10,292	33,701	15,413
Removal of coronary artery obstruction	8,326	722	2,135	562	3,317	1,590
Coronary artery bypass graft	3,491	140	815	207	1,592	737
Cardiac catheterization	19,291	1,523	4,575	1,689	7,931	3,573
Insertion, replacement, removal, of pacemaker leads	4,020	90	468	208	2,340	914
Hemodialysis	15,679	355	1,479	1,948	9,320	2,577
Operations on the hemic and lymphatic system	7,625	340	2,639	818	2,655	1,173
Operations on the digestive system	73,405	6,054	21,009	12,266	22,539	11,537
Gastric band	70†	*	54	*	*	*
Endoscopy of small intestine with or without biopsy	19,003	1,582	4,054	2,836	7,007	3,524
Endoscopy of large intestine with or without biopsy	8,157	576	1,874	1,003	3,100	1,604
Partial excision of large intestine	3,004	171	825	264	1,211	533
Appendectomy, excluding incidental	5,422	738	2,419	1,337	519	409
Cholecystectomy	10,152	1,224	3,272	2,130	2,150	1,376
Lysis of peritoneal adhesions	7,013	275	2,358	1,193	2,142	1,045
Operations on the urinary system	15,782	1,013	4,878	2,042	5,389	2,460
Cystoscopy with or without biopsy	3,685	216	1,428	521	1,032	488
Operations on the male genital organs	9,406	379	5,762	1,369	1,023	873
Prostatectomy	2,000	20	748	61	805	366

TABLE 4B-4 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2013

Procedures by category	Total	Self	Private insurance (indemnity, HMO, PPO)	AHCCCS/Medicaid	Medicare	Other
Operations on the female genital organs	14,109	614	6,356	5,052	1,143	944
Oophorectomy and salpingo-oophorectomy	3,470	176	1,785	557	603	349
Bilateral destruction/occlusion of fallopian tubes	4,760	113	1,771	2,681	41	154
Hysterectomy	4,788	190	2,701	940	567	390
Obstetrical procedures	82,214	2,963	33,792	41,706	295	3,458
Episiotomy with or w/o forceps or vacuum extraction	5,802	219	3,115	2,218	21	229
Artificial rupture of membranes	22,778	702	9,526	11,455	71	1,024
Cesarean section	23,145	688	10,375	10,965	109	1,008
Repair of current obstetric laceration	29,264	1,193	13,689	13,029	64	1,289
Operations on the musculoskeletal system	67,504	3,436	18,804	6,324	25,722	13,218
Partial excision of bone	8,791	364	2,844	959	2,921	1,703
Reduction of fracture	11,329	1,114	2,534	1,263	3,979	2,439
Open reduction of fracture with internal fixation	8,121	865	1,987	907	2,599	1,763
Excision or destruction of intervertebral disc	6,190	116	2,658	563	1,676	1,177
Total hip replacement	7,173	46	2,316	313	3,270	1,228
Total knee replacement	14,673	30	4,639	648	6,607	2,749
Operations on the integumentary system	24,745	3,118	6,259	4,658	6,726	3,984
Debridement of wound, infection, or burn	6,524	923	1,471	1,194	1,849	1,087
Miscellaneous diagnostic and therapeutic procedures	175,929	10,829	45,517	37,268	55,314	27,001
Computerized axial tomography	2,662	179	596	326	1,020	541
Arterio- & angiocardiology using contrast material	24,869	1,775	5,671	2,260	10,441	4,722
Diagnostic ultrasound	10,258	531	2,356	1,016	4,581	1,774
Respiratory therapy	28,508	2,207	5,096	5,332	10,409	5,464
Insertion of endotracheal tube	16,149	1,557	2,924	3,256	5,459	2,953
Injection/infusion of cancer chemotherapy substance	3,487	113	1,404	829	765	376

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

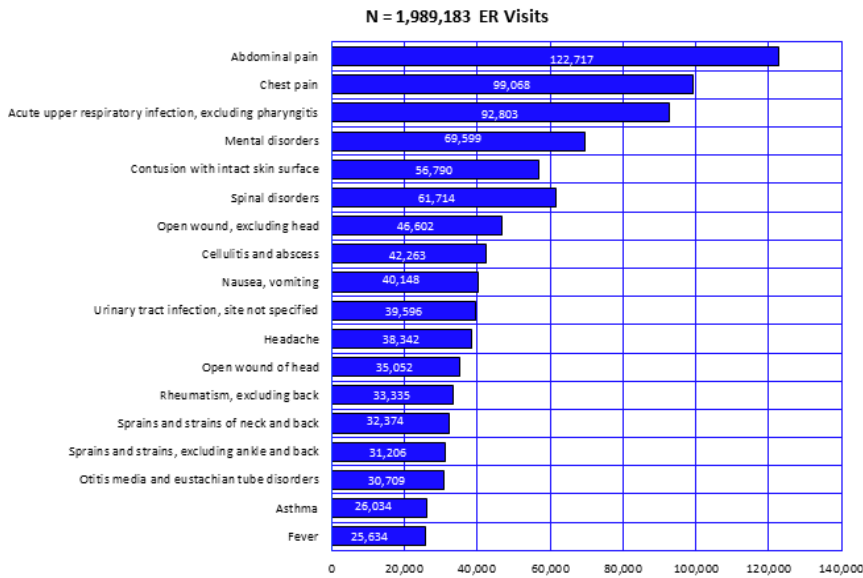
The data in this section are focused on ambulatory care visits to emergency rooms of non-Federal, short-stay hospitals. The emergency room (ER) and the inpatient hospitalization data are mutually exclusive. The ER data include only those who were not admitted as inpatients.

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. Diagnostic groupings and code numbers are based on the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM).

*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, 2013



During 2013, nearly 2.0 million visits were made by Arizona residents to hospital emergency rooms (ER), about 30.2 visits per 100 persons. The utilization rates vary by geographic region, with the Western United States having the lowest ER visit rate.

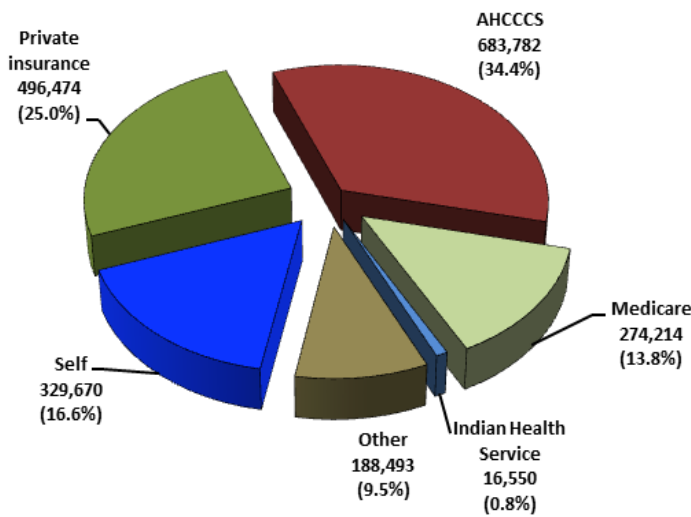
In 2013, *abdominal pain*, *chest pain*, *acute upper respiratory infection*, *mental disorders*, *contusion with intact skin surfaces*, and *spinal disorders* were the leading diagnostic categories, accounting for 22.2 percent of all visits (**Figure 4C-1**, **Table 4C-2**).

Both *rheumatism* (33,335 visits) and *fever* (25,634) were among the top fifteen complaints, symptoms, or reasons for a visit to the emergency room.

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

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

Figure 4C-2
Emergency Room Visits by Payer, Arizona Residents, 2013



The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) was the most frequently recorded expected source of payment, accounting for 34.4 percent of ER visits (**Figure 4C-3**). Private insurance was the second most frequent payer (25.0 percent of ER visits), followed by self-pay patients (16.6 percent), and Medicare (13.8 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 BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2013**

Category of first-listed diagnosis	All Ages	Age group					
		<15	15-19	20-44	45-64	65+	Unknown
Total, all causes	1,989,183	406,473	125,486	750,175	406,625	300,406	18
Infectious and parasitic diseases	43,282	20,757	2,908	12,133	4,442	3,042	0
Neoplasms	3,045	202	64	881	950	948	0
Endocrine nutritional metabolic and immunity diseases	32,802	2,852	1,186	10,175	10,065	8,524	0
Diabetes mellitus	11,789	448	306	3,755	4,625	2,655	0
Mental disorders	69,599	2,765	6,166	35,471	19,512	5,685	0
Psychoses	14,544	418	836	6,976	4,176	2,138	0
Alcoholic psychoses	2,249	0	19	1,226	915	89	0
Drug psychoses	3,221	16	166	1,924	883	232	0
Schizophrenic disorders	1,580†	*	57	950	509	63	0
Manic-depressive disorders	3,320	304	366	1,588	903	159	0
Neurotic disorders	55,039	2,346	5,329	28,489	15,329	3,546	0
Anxiety states	15,387	368	1,146	8,692	3,693	1,488	0
Depression	6,885	497	1,047	3,083	1,774	484	0
Drug dependence	756	0	54	503	184	15	0
Nondependent abuse of drugs	17,689	215	1,733	9,844	5,297	600	0
Alcohol dependence syndrome	5,008	8	88	2,206	2,455	251	0
Diseases of the nervous system	118,678	36,879	5,474	42,740	23,182	10,402	*
Diseases of the circulatory system	53,961	458	613	9,220	17,201	26,465	*
Diseases of the respiratory system	201,982	91,023	11,182	54,069	27,081	18,627	0
Acute bronchitis and bronchiolitis	26,288	11,258	931	7,518	3,948	2,633	0
Pneumonia	18,772	7,562	683	4,035	3,206	3,286	0
Chronic bronchitis	6,652	8	7	326	2,869	3,442	0
Asthma	26,034	10,845	1,675	8,023	4,069	1,422	0
Diseases of the digestive system	123,112	21,672	6,270	53,183	24,984	17,003	0
Diseases of the genitourinary system	119,249	10,539	9,736	59,981	21,406	17,587	0
Diseases of the skin and subcutaneous tissue	71,119	15,398	4,833	29,649	14,030	7,209	0
Diseases of the musculoskeletal system	132,851	6,946	5,650	55,861	39,794	24,600	0
Symptoms signs and ill-defined conditions	499,020	82,795	26,453	179,470	118,042	92,258	*
Injury and poisoning	410,597	100,534	33,791	140,544	74,922	60,796	10
Fractures, all sites	54,160	13,643	3,773	13,984	11,033	11,726	*
Sprains	77,285	9,221	7,882	36,701	16,247	7,234	0
Intracranial	11,169	3,134	1,673	3,374	1,555	1,433	0
Open wounds	81,654	24,722	5,925	26,905	12,603	11,496	*
Superficial	20,799	7,027	1,618	6,762	3,185	2,207	0
Contusions	56,790	12,254	4,516	18,953	10,840	10,225	*
Foreign bodies	9,783	4,433	353	2,479	1,464	1,054	0
Burns	2,666	716	196	1,119	477	158	0
Trauma complications and unspecified injuries	41,700	13,619	3,327	11,603	6,229	6,920	*
Poisonings	18,436	4,599	1,937	6,871	3,537	1,492	0
Surgical and medical complications	11,479	972	318	2,723	3,226	4,240	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, 2013**

Primary diagnosis group	ICD-9-CM code(s)	All Ages	Age group					Unknown
			<15	15-19	20-44	45-64	65+	
Total, all causes		1,989,183	406,473	125,486	750,175	406,625	300,406	18
Abdominal pain	789.0	122,717	13,814	9,934	61,382	25,587	12,000	0
Chest pain	786.5	99,068	2,308	3,105	33,678	36,824	23,153	0
Acute upper respiratory infection, excluding pharyngitis	460-461, 463-466	92,803	56,018	3,888	20,226	8,102	4,569	0
Mental disorders	290-319	69,599	2,765	6,166	35,471	19,512	5,685	0
Spinal disorders	720-724	61,714	1,568	2,231	29,323	18,669	9,923	0
Contusion with intact skin surface	920-924	56,790	12,254	4,516	18,953	10,840	10,225	*
Open wound, excluding head	874-897	46,602	8,270	3,992	19,172	8,623	6,543	*
Cellulitis and abscess	681-682	42,263	5,477	2,457	19,893	9,603	4,833	0
Nausea, vomiting	787.0	40,148	15,000	2,282	13,208	5,507	4,151	0
Urinary tract infection, site not specified	599.0	39,596	6,119	2,961	14,990	6,612	8,914	0
Headache	784.0	38,342	3,182	2,819	20,087	8,864	3,390	0
Open wound of head	870-873	35,052	16,452	1,933	7,733	3,980	4,953	*
Rheumatism, excluding back	725-729	33,335	2,629	1,340	12,782	10,095	6,489	0
Sprains and strains of neck and back	846-847	32,374	1,613	2,506	17,549	7,682	3,024	0
Sprains and strains, excluding ankle and back	840-844, 845.1, 848	31,206	5,017	3,158	13,133	6,521	3,377	0
Otitis media and eustachian tube disorders	381-382	30,709	24,493	993	3,882	1,043	298	0
Asthma	493	26,034	10,845	1,675	8,023	4,069	1,422	0
Fever	780.6	25,634	21,107	617	1,981	963	966	0
Superficial injuries	910-919	20,799	7,027	1,618	6,762	3,185	2,207	0
Acute pharyngitis	462.0	20,792	7,375	2,779	8,500	1,527	611	0
Gastroenteritis and colitis	558.0	20,251	7,623	1,102	6,567	2,924	2,035	0
Pneumonia	480-486	18,772	7,562	683	4,035	3,206	3,286	0
Chronic and unspecified bronchitis	490-491	18,704	1,890	637	5,171	5,657	5,349	0
Migraine	346	16,544	583	1,072	10,114	4,241	534	0
Heart disease, excluding ischemic	391-392.0	16,068	233	202	2,313	4,403	8,914	*
Unspecified viral and chlamydial infection	79.9	10,264	6,072	638	2,483	720	351	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.



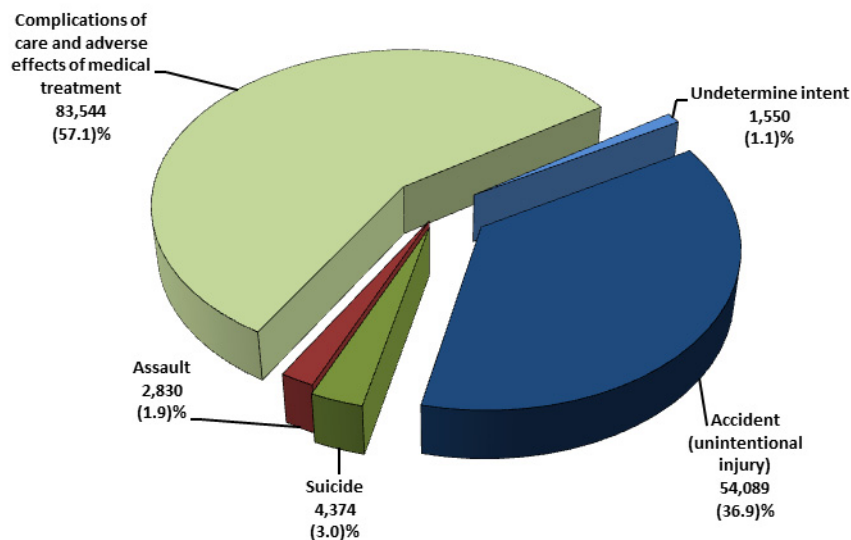
4D.

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).

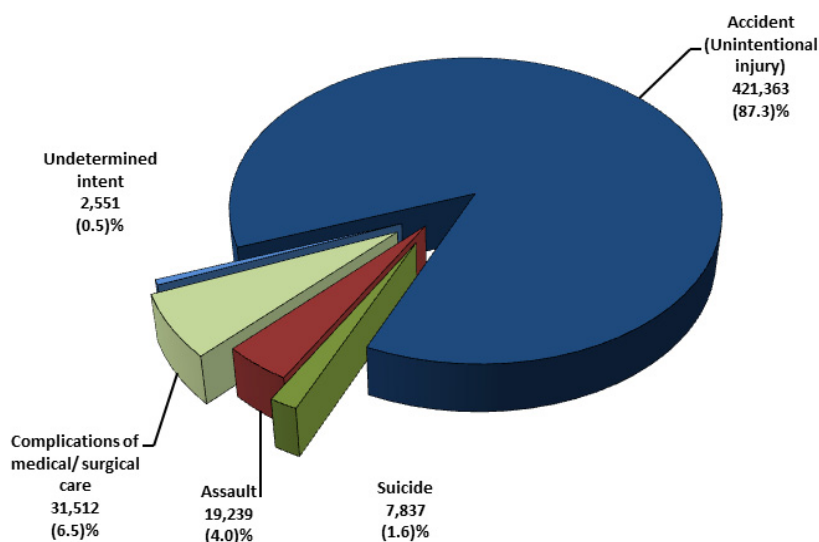
In 2009, the reporting requirements for hospitals were revised and the non-injury first-listed diagnoses may also have an external cause of injury code. Beginning with the 2009 edition of this report, the reader is advised that the number of suicides, accidents, etc. shown in **Table 4D-1** and **Table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

Figure 4D-1
Percent Distribution of Inpatient Discharges by Intent of Injury,
Arizona Residents, 2013



In 2013, injury was indicated as the principal diagnosis on 61,709 inpatient discharge records (Table 4A-1). However, the E-codes for external causes of injury were provided on a substantially greater number of inpatient discharges (Figure 4D-1, Table 4D-1). *Complications of medical care and adverse effects of medical treatment* (including adverse drug reactions and complications from surgical and medical procedures) accounted for the absolute majority of inpatient hospitalizations by the intent of injury (57.1 percent). *Unintentional injuries in accidents* accounted for 36.9 percent of all inpatient discharges by intent of injury. *Self-inflicted injuries in suicide* resulted in 4,374 inpatient hospitalizations (3.0 percent). *Assault* accounted for 2,830 inpatient hospitalizations (1.9 percent of all hospital discharges with known intent of injury).

Figure 4D-2
Percent Distribution of Emergency Room Visits by Intent of Injury,
Arizona Residents, 2013

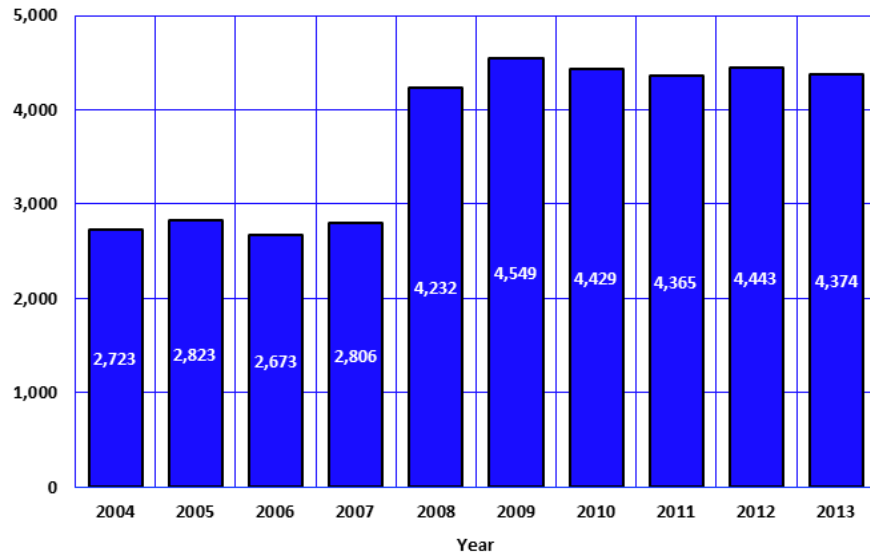


In 2013, there were 482,502 emergency room visits with known intent of injury among Arizona residents, 3 times as many as inpatient discharges. *Unintentional injuries or accidents* accounted for nine out of ten (421,363 or 87.3 percent) of all injury-related emergency room visits (Figure 4D-3, Table 4D-2). The external cause of injury was classified as *assault* for 19,239 emergency room visits: these were the injuries purposely inflicted by another person. *Complications of care and adverse effects of medical treatment* accounted for a greater number of emergency room visits than *self-inflicted injuries in suicide* (6.5 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

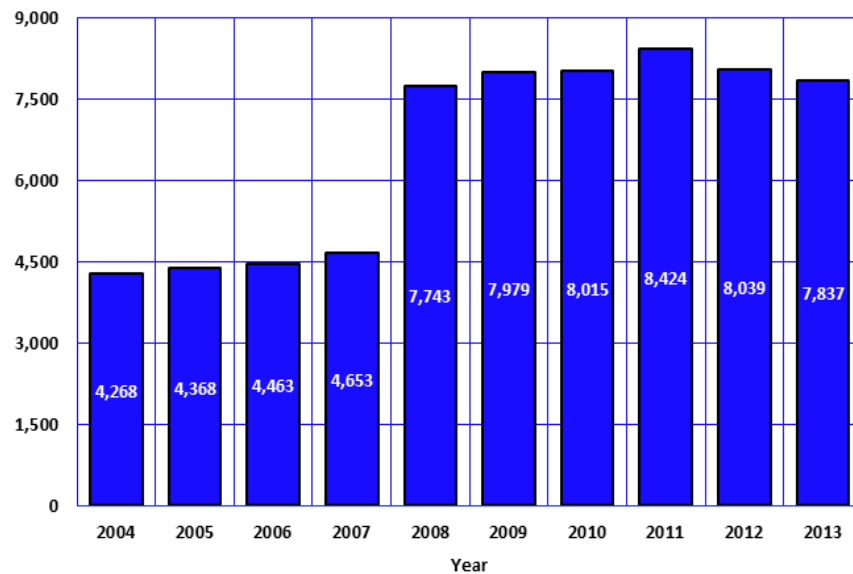
Beginning in 2008, there was a substantial increase in the number of suicide-related inpatient discharges and emergency room visits (Figure 4D-7 and Figure 4D-8). It was only partly due to the change in the reporting requirements for hospitals. In 2013, *injury or poisoning* was the principal diagnosis on 3,393 inpatient discharge records, which also included the E codes for suicide (E950-E959). *Mental disorders* were identified as the principal diagnosis on the additional 759 suicide-related records. For the additional 222 inpatient discharges mentioning suicide attempt, the principal diagnosis was classified as *chronic disease, infectious disease, or ill-defined conditions*.

Figure 4D-3
Suicide-related Inpatient Discharges by Year, Arizona Residents, 2004 - 2013



The number of suicide-related inpatient discharges has remained relatively consistent from 2008 - 2013.

Figure 4D-4
Suicide-related Emergency Room Visits by Year, Arizona Residents, 2004 - 2013



Injury or poisoning was the principal diagnosis on 5,872 ER discharge records, which also included the E codes for suicide (E950-E959). *Mental disorders* were identified as the principal diagnosis on 1,297 suicide-related records. For the additional 668 ER discharges mentioning suicide attempt, the principal diagnosis was classified as *chronic disease, infectious disease, or ill-defined conditions*.

Again, the number of suicide-related emergency room visits has remained fairly stable from 2008 through 2013.

**TABLE 4D-1
INPATIENT DISCHARGES BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND
RACE/ETHNICITY, ARIZONA, 2013**

	Total ^f	Gender		Age group						Race/ethnicity							
		Female	Male	Unknown	Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown	American Indian or Alaska	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
UNINTENTIONAL INJURY OR ACCIDENT^a	54,089	26,810	27,277	*	2,653	1,509	10,268	13,887	25,770	*	2,697	582	1,712	8,620	39,802	135	541
Fall	25,762	15,221	10,540	*	794	228	1,958	5,102	17,680	0	984	272	515	3,212	20,525	48	206
Motor vehicle accident	6,244	2,301	3,942	*	289	565	2,630	1,700	1,060	0	415	84	277	1,449	3,904	31	84
Accidental poisoning by drugs, medicinal substances gases and vapors	3,850 ⁺	2,011	1,839	0	227	122	1,114	1,497	890	0	165	36	199	658	2,748	*	40
Natural and environmental factors	2,450 ⁺	1,106	1,341	0	281	69	646	858	593	0	146	22	84	442	1,727	*	22
Exposure to excessive natural heat	410 ⁺	96	312	0	*	8	130	151	114	0	18	*	20	113	247	*	*
Fire and flames	472	162	310	0	70	14	151	134	103	0	45	7	27	130	247	6	10
Machinery	240 ⁺	17	220	0	*	7	112	90	26	0	10	*	*	87	126	0	*
SUICIDE^b	4,374	2,489	1,885	0	178	563	2,222	1,191	220	0	252	45	215	741	3,042	14	65
ASSAULT^c	2,830	557	2,273	0	158	188	1,749	630	104	*	635	22	293	742	1,078	17	43
INJURIES OF UNDETERMINED INTENT^d	1,550 ⁺	740	810	0	50	47	511	493	449	0	64	17	83	305	1,054	*	23
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT^e	83,544	42,867	40,677	0	1,770	798	11,647	26,693	42,636	0	2,844	1,061	3,879	12,513	62,429	190	628
Misadventures to patients	1,690	1,011	679	0	28	13	287	559	803	0	63	26	73	288	1,220	6	14
Surgical and medical procedures as the cause of adverse reaction	42,850	20,677	22,173	0	1,232	424	6,484	14,445	20,265	0	1,806	504	1,992	6,775	31,318	109	346
Drugs causing adverse effects	39,004	21,179	17,825	0	510	361	4,876	11,689	21,568	0	975	531	1,814	5,450	29,891	75	268

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; External causes of injury and poisoning (E-codes) may be reported whether or not the principal diagnosis was an injury.

^a First-listed external cause codes E800-E869, E880-E929.

^b First-listed external cause codes E950-E959.

^c First-listed external cause codes E960-E969.

^d First-listed external cause codes E890-E989.

^e First-listed external cause codes E870-E879, E930-E949.

^f 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, 2013**

	Total ^f	Gender		Age group						Race/ethnicity							
		Female	Male	Unknown	Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	Unknown	American or Alaska	Asian or Pacific Islander	Black or African American	Hispanic or Latino	White non-Hispanic	Other	Refused
UNINTENTIONAL INJURY OR ACCIDENT^a	421,363	207,930	213,428	*	103,549	33,139	141,505	78,089	65,071	10	16,904	4,921	24,490	115,754	253,950	1,008	4,336
Fall	139,060	76,481	62,578	*	39,569	5,940	28,295	26,143	39,112	*	5,285	1,417	5,906	34,480	90,365	303	1,304
Motor vehicle accident	47,489	25,844	21,643	*	4,255	5,469	23,996	10,049	3,715	*	1,627	882	4,016	14,110	26,052	145	657
Struck against or struck accidentally by objects or persons	46,949	18,483	28,466	0	17,716	6,463	14,483	5,210	3,077	0	1,849	545	3,197	14,019	26,701	137	501
Overexertion	37,349	18,621	18,727	*	5,262	3,934	17,361	7,471	3,321	0	1,631	383	2,525	10,143	22,242	81	344
Cutting or piercing instruments or objects	27,696	10,329	17,367	0	4,972	2,424	12,531	5,254	2,515	0	1,082	349	1,387	8,165	16,364	58	291
Natural and environmental factors	25,929	13,469	12,460	0	8,541	1,812	8,380	4,741	2,454	*	1,277	328	1,466	8,369	14,165	62	262
Exposure to excessive natural heat	1,700 [†]	577	1,118	0	119	149	800	414	213	0	67	17	105	513	975	*	13
Accidental poisoning by drugs, medicinal substances, biologicals, gases and vapors	7,336	3,822	3,513	*	2,074	518	2,474	1,484	786	0	298	57	442	1,833	4,636	9	61
Fire and flames	3,138	1,477	1,661	0	791	236	1,341	576	194	0	145	49	222	1,080	1,580	11	51
Machinery	1,240 [†]	182	1,056	0	51	52	533	415	187	0	32	9	32	373	782	*	9
Pedal cycle, nontraffic and other	6,931	1,811	5,120	0	2,382	674	2,117	1,448	310	0	248	74	270	1,687	4,575	14	63
Motor vehicle, nontraffic	1,417	481	936	0	220	245	641	232	79	0	44	15	52	374	911	6	15
Foreign body accidentally entering eye or other orifice	10,848	4,467	6,381	0	4,770	409	2,894	1,632	1,143	0	388	139	688	3,250	6,236	26	121
Suffocation	250 [†]	114	136	0	116	*	26	50	57	0	9	0	14	67	156	*	*
Firearm missile	740 [†]	102	638	0	139	122	351	94	32	*	26	*	64	257	377	*	11
Drowning/submersion	220 [†]	94	122	0	141	10	43	18	*	0	11	*	9	68	120	0	*
SUICIDE^b	7,837	4,712	3,125	0	651	1,597	4,095	1,330	163	*	387	87	456	1,706	5,096	24	81
ASSAULT^c	19,239	7,604	11,635	0	854	2,149	12,378	3,554	303	*	2,600	156	1,897	5,563	8,763	60	200
INJURIES OF UNDETERMINED INTENT^d	2,551	1,204	1,347	0	247	268	1,285	579	171	*	276	17	155	568	1,510	7	18
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT^e	31,512	17,463	14,049	0	3,118	1,226	9,221	8,267	9,680	0	1,088	424	1,805	7,122	20,776	63	234
Misadventures to patients	120 [†]	63	56	0	12	*	37	29	36	0	9	*	6	35	67	*	0
Surgical and medical procedures as the cause of adverse reaction	14,982	7,203	7,779	0	1,277	466	4,036	4,105	5,098	0	571	173	861	3,309	9,946	28	94
Drugs causing adverse effects	16,411	10,197	6,214	0	1,829	755	5,148	4,133	4,546	0	508	250	938	3,778	10,763	34	140

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; External causes of injury and poisoning (E-codes) may be reported whether or not the principal diagnosis was an injury.

^a First-listed external cause codes E800-E869, E880-E929.

^b First-listed external cause codes E950-E959.

^c First-listed external cause codes E960-E969.

^d First-listed external cause codes E890-E899.

^e First-listed external cause codes E870-E879, E930-E949.

^f The total may include records with unknown gender and/or age group.