

CHAPTER 4

HOSPITAL INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS:

2014 STATUS

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



4A.

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

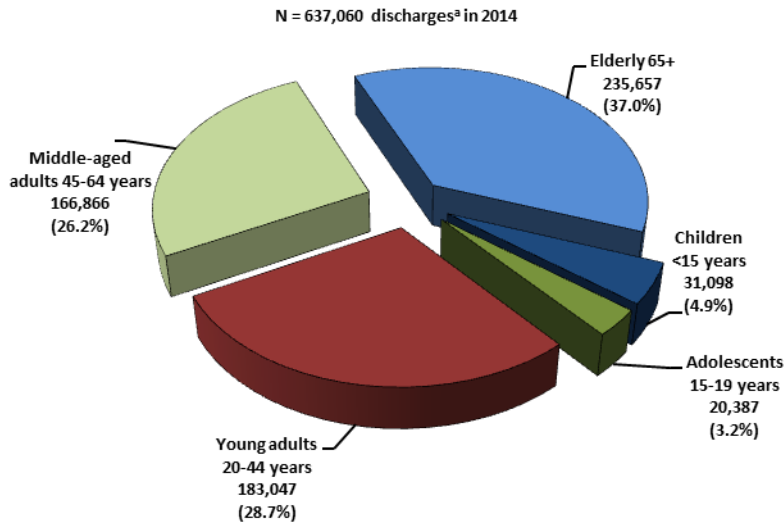
An inpatient discharge occurs when a person who was admitted to a hospital leaves that hospital. A person who has been hospitalized more than once in a given calendar year will be counted multiple times as a discharge; thus, the numbers in this report are for discharges, not persons. Federal, military, and Department of Veteran Affairs' hospitals are excluded. Beginning in 2010, the psychiatric hospitals also are required to report to the Arizona Department of Health Services. All discharges are for residents of Arizona. Discharges of out-of-state residents are not included in this report. Discharges of inpatients in this report exclude newborn infants. 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, 2014

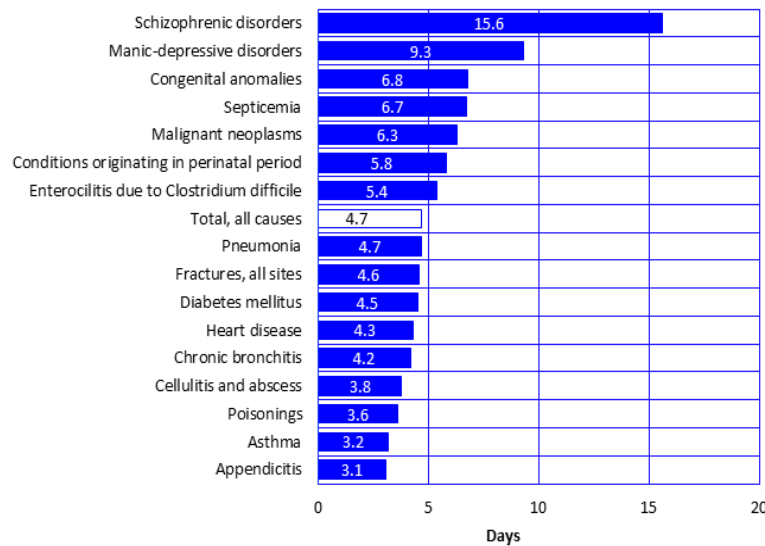


Note: ^a Excluding newborn infants.

In 2014, there were 637,060 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 37.0 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 (26.2 percent of all inpatient discharges)

Diseases of the circulatory system were the most common diagnoses (12.9 percent of all discharges), followed by diseases of the digestive system (10.2 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, 2014

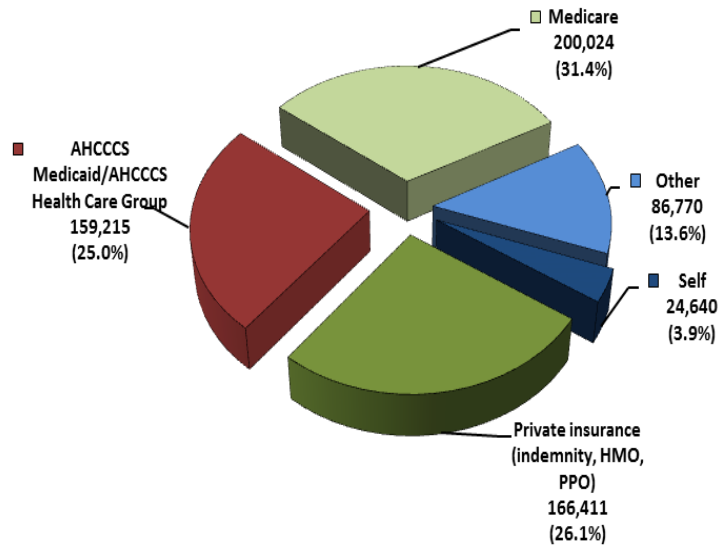


Based on the data from the National Hospital Discharge Survey, the longest continuously running nationally representative survey of hospital utilization, the length of stay for inpatients has changed dramatically from 1970 through 2010. In 1970, the average length of stay was 7.8 days, with one-third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

In 2014, the average length of hospital stay for Arizona inpatients was 4.7 days (Figure 4A-2, Table 4A-5). The percent of patients hospitalized for 3 days or less was 58.5 percent, with 14.8 percent of inpatients staying 8 days or more.

The average length of stay was 4.3 days for heart disease, 4.5 days for diabetes, 6.3 days for cancer, and 15.6 days for schizophrenic disorders.

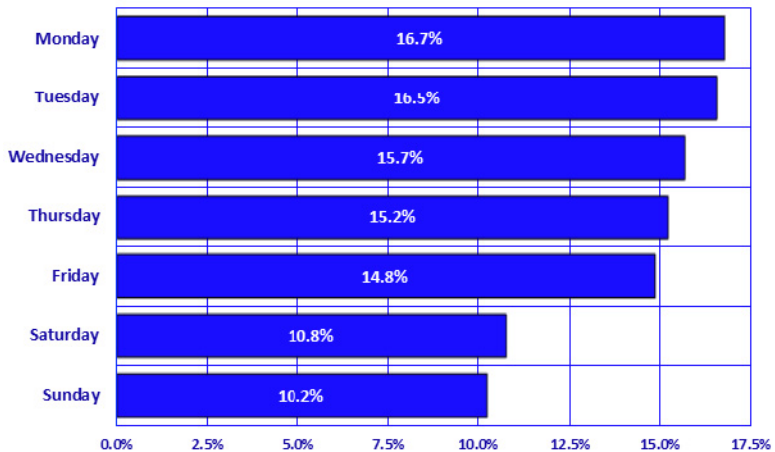
Figure 4A-3
Hospital Inpatient Discharges by Payer, Arizona Residents, 2014



Medicare paid for 31.4 percent of all discharges (**Figure 4A-3**) and 69.3 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 26.1 percent of inpatient discharges. The Arizona Health Care Cost Containment System (AHCCCS; the State's Medicaid Program) accounted for 25.0 percent of hospital inpatient discharges.

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

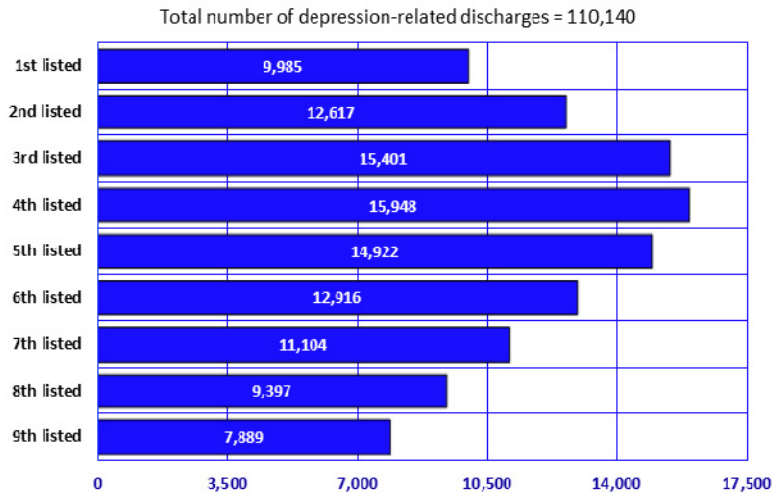
Figure 4A-4
Percent of Hospital Inpatient Admissions by Day of the Week, Arizona Residents, 2014



The rhythm of hospital births by day of the week (see **Figure 1B-14**) reveals that the daily average of resident live births in 2014 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, 2014



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

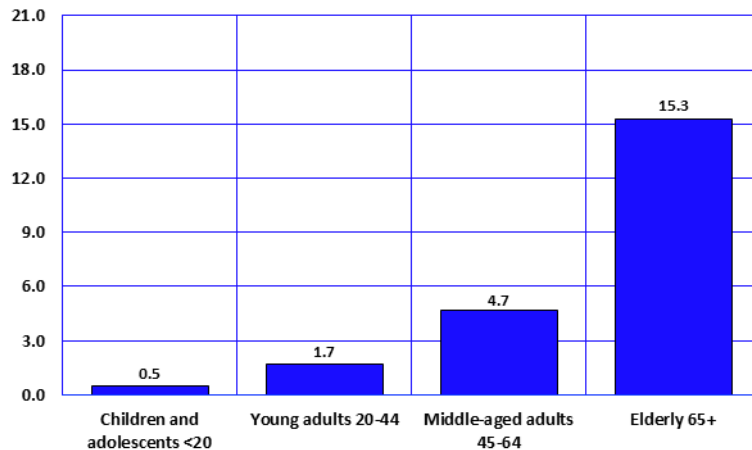
In 2014, the ICD-9-CM diagnostic codes 300.4 and 311 for depression were used on 2,821 inpatient discharge and 7,164 emergency room records as the first-listed diagnosis (for a total of 9,985 hospital encounters; **Figure 4A-5, Table 4A-1, Table 7C-1**).

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 110,140 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, 2014



In 2014, 2,811 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 (15.3/10,000) was 3.3 times greater than the rate of middle-aged adults (**Figure 4A-6**).

In 2014, 152 Arizonans died from enterocolitis due to *Clostridium difficile*. Elderly 65 years or older accounted for 88.8 percent of these deaths (**Table 2C-27**).

**TABLE 4A-1
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2014**

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	637,060	31,098	20,387	183,047	166,866	235,657	5
Infectious and parasitic diseases	44,251	1,604	626	8,264	13,804	19,951	*
Septicemia	33,386	301	330	5,850	10,470	16,433	*
Enterocolitis due to <i>Clostridium difficile</i>	2,811	58	28	386	767	1,572	0
Neoplasms	22,741	372	179	2,838	8,618	10,734	0
Malignant neoplasms	17,720	270	117	1,509	6,585	9,239	0
Large intestine	2,371	0	0	145	831	1,395	0
Prostate	1,316	0	0	15	671	630	0
Trachea bronchus and lung	2,100†	*	7	82	640	1,368	0
Breast	672	0	0	98	326	248	0
Benign neoplasms	4,001	65	47	1,199	1,687	1,003	0
Endocrine nutritional metabolic and immunity diseases	24,176	1,194	592	6,035	8,659	7,696	0
Diabetes mellitus	10,943	450	427	3,291	4,243	2,532	0
Volume depletion	70†	0	*	9	24	40	0
Morbid obesity	2,440†	*	7	1,088	1,050	294	0
Diseases of the blood and blood forming organs	6,519	665	195	1,279	1,728	2,652	0
Mental disorders	42,614	2,702	4,941	18,398	12,621	3,952	0
Psychoses	35,463	2,227	4,113	15,163	10,613	3,347	0
Alcoholic psychoses	4,070†	*	16	1,592	2,093	371	0
Drug psychoses	2,258	6	184	1,379	528	161	0
Schizophrenic disorders	5,533	14	203	3,150	1,942	224	0
Manic-depressive disorders	20,358	2,063	3,443	7,903	5,475	1,474	0
Neurotic disorders	7,148	475	828	3,232	2,008	605	0
Anxiety states	445	21	41	152	124	107	0
Depression	2,821	204	401	1,275	702	239	0
Drug dependence	418	6	98	225	78	11	0
Nondependent abuse of drugs	503	6	35	260	168	34	0
Alcohol dependence syndrome	870†	*	12	343	436	79	0
Diseases of the nervous system	14,802	1,804	579	3,568	4,094	4,757	0
Diseases of the circulatory system	82,268	355	213	5,499	24,254	51,946	*
Heart disease	52,756	149	108	3,115	15,442	33,941	*
Acute myocardial infarction	10,480†	0	*	442	3,772	6,268	0
Coronary atherosclerosis	5,819	0	0	152	2,164	3,503	0

TABLE 4A-1 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2014

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	560†	*	0	44	224	286	0
Cardiac dysrhythmias	13,242	61	45	729	3,316	9,090	*
Cardiac arrest	220†	*	0	28	80	104	0
Congestive heart failure	1,770†	27	*	101	402	1,242	0
Cerebrovascular disease	15,860	47	27	761	4,333	10,692	0
Diseases of the respiratory system	52,039	7,209	704	5,110	13,654	25,361	*
Acute bronchitis and bronchiolitis	2,880†	2,118	*	125	214	418	0
Pneumonia	15,658	1,525	181	1,483	3,795	8,674	0
Chronic bronchitis	7,930†	*	*	104	2,630	5,189	0
Asthma	5,720	1,639	131	1,073	1,562	1,315	0
Diseases of the digestive system	64,699	2,942	1,315	15,124	21,565	23,753	0
Appendicitis	3,780	863	344	1,278	862	433	0
Noninfectious enteritis and colitis	5,522	267	154	1,530	1,641	1,930	0
Diverticula of intestine	5,620†	0	*	754	1,990	2,870	0
Cholelithiasis	7,155	61	202	2,532	2,154	2,206	0
Diseases of the genitourinary system	30,002	1,440	526	6,126	8,289	13,621	0
Calculus of kidney and ureter	3,922	30	77	1,299	1,475	1,041	0
Diseases of the skin and subcutaneous tissue	15,967	1,237	303	4,495	5,396	4,536	0
Cellulitis and abscess	13,983	1,056	230	4,060	4,745	3,892	0
Diseases of the musculoskeletal system	45,530	562	357	4,140	16,855	23,616	0
Osteoarthritis and allied disorders	23,510†	0	*	394	8,679	14,432	0
Invertebral disc disorders	4,800†	*	26	1,105	2,086	1,585	0
Congenital anomalies	2,382	1,404	110	307	314	247	0
Conditions originating in perinatal period	2,350†	2,346	0	*	0	0	0
Symptoms signs and ill-defined conditions	17,411	1,784	331	3,170	5,559	6,567	0
Injury and poisoning	61,855	2,730	1,879	13,326	17,592	26,327	*
Fractures, all sites	21,165	916	552	3,732	4,475	11,489	*
Fracture of neck of femur	6,729	16	8	114	800	5,791	0
Poisonings	6,830	376	573	2,606	2,345	930	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-2
NUMBER OF DISCHARGES* BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2014**

Category of first-listed diagnosis	Total	Patient's gender		
		Male	Female	Unknown
All categories	637,060	268,927	368,123	10
Infectious and parasitic diseases	44,251	21,397	22,854	0
Septicemia	33,386	16,393	16,993	0
Enterocolitis due to <i>Clostridium difficile</i>	2,811	960	1,851	0
Neoplasms	22,741	10,868	11,873	0
Malignant neoplasms	17,720	9,466	8,254	0
Large intestine	2,371	1,252	1,119	0
Prostate	1,316	1,316	0	0
Trachea bronchus and lung	2,098	1,063	1,035	0
Breast	670†	*	667	0
Benign neoplasms	4,001	921	3,080	0
Endocrine nutritional metabolic and immunity diseases	24,176	11,337	12,839	0
Diabetes mellitus	10,943	6,322	4,621	0
Volume depletion	74	31	43	0
Morbid obesity	2,440	580	1,860	0
Diseases of the blood and blood forming organs	6,519	2,942	3,577	0
Mental disorders	42,614	21,640	20,974	0
Psychoses	35,463	18,069	17,394	0
Alcoholic psychoses	4,073	2,850	1,223	0
Drug psychoses	2,258	1,351	907	0
Schizophrenic disorders	5,533	3,390	2,143	0
Manic-depressive disorders	20,358	8,691	11,667	0
Neurotic disorders	7,148	3,569	3,579	0
Anxiety states	445	168	277	0
Depression	2,821	1,341	1,480	0
Drug dependence	418	260	158	0
Nondependent abuse of drugs	503	331	172	0
Alcohol dependence syndrome	871	572	299	0
Diseases of the nervous system	14,802	6,825	7,977	0
Diseases of the circulatory system	82,268	46,201	36,062	*
Heart disease	52,756	30,669	22,086	*
Acute myocardial infarction	10,483	6,752	3,731	0
Coronary atherosclerosis	5,819	4,037	1,782	0

**TABLE 4A-2 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND GENDER, ARIZONA, 2014**

Category of first-listed diagnosis	Total	Patient's gender		
		Male	Female	Unknown
Other ischemic heart disease	556	319	237	0
Cardiac dysrhythmias	13,242	6,940	6,302	0
Cardiac arrest	217	127	90	0
Congestive heart failure	1,773	1,001	772	0
Cerebrovascular disease	15,860	8,058	7,800	*
Diseases of the respiratory system	52,039	25,491	26,548	0
Acute bronchitis and bronchiolitis	2,877	1,546	1,331	0
Pneumonia	15,658	7,680	7,978	0
Chronic bronchitis	7,927	3,734	4,193	0
Asthma	5,720	2,299	3,421	0
Diseases of the digestive system	64,699	30,057	34,642	0
Appendicitis	3,780	2,097	1,683	0
Noninfectious enteritis and colitis	5,522	2,032	3,490	0
Diverticula of intestine	5,618	2,428	3,190	0
Cholelithiasis	7,155	2,600	4,555	0
Diseases of the genitourinary system	30,002	12,409	17,593	0
Calculus of kidney and ureter	3,922	2,014	1,908	0
Diseases of the skin and subcutaneous tissue	15,967	8,533	7,434	0
Cellulitis and abscess	13,983	7,517	6,466	0
Diseases of the musculoskeletal system	45,530	20,955	24,575	0
Osteoarthritis and allied disorders	23,509	9,899	13,610	0
Invertebral disc disorders	4,803	2,427	2,376	0
Congenital anomalies	2,382	1,236	1,145	*
Conditions originating in perinatal period	2,347	1,358	989	0
Symptoms signs and ill-defined conditions	17,411	8,081	9,330	0
Injury and poisoning	61,855	31,308	30,544	*
Fractures, all sites	21,165	9,463	11,700	*
Fracture of neck of femur	6,729	2,224	4,505	0
Poisonings	6,830	3,099	3,731	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-3
NUMBER OF DISCHARGES* BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2014**

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	637,060	432,626	126,282	32,140	29,277	11,504	5,231
Infectious and parasitic diseases	44,251	29,724	8,920	1,997	2,513	726	371
Septicemia	33,386	22,638	6,556	1,372	2,007	539	274
Enterocolitis due to <i>Clostridium difficile</i>	2,811	2,215	370	94	89	27	16
Neoplasms	22,741	16,776	3,627	1,107	477	544	210
Malignant neoplasms	17,541	13,422	2,542	662	362	400	153
Large intestine	2,371	1,865	336	78	36	45	11
Prostate	1,316	1,044	152	81	17	12	10
Trachea bronchus and lung	2,098	1,735	187	82	19	64	11
Breast	672	520	87	25	7	27	6
Benign neoplasms	4,001	2,439	917	390	86	122	47
Endocrine nutritional metabolic and immunity diseases	24,176	15,291	5,326	1,464	1,626	311	158
Diabetes mellitus	10,943	6,201	2,806	729	1,036	102	69
Volume depletion	70†	57	9	*	*	*	*
Morbid obesity	2,440	1,746	461	189	23	9	12
Diseases of the blood and blood forming organs	6,519	3,910	1,285	938	242	112	32
Mental disorders	42,614	28,363	5,921	2,959	4,095	809	467
Psychoses	35,463	23,644	4,869	2,576	3,312	682	380
Alcoholic psychoses	4,073	2,972	421	133	490	25	32
Drug psychoses	2,258	1,686	354	93	88	14	23
Schizophrenic disorders	5,533	3,281	902	724	395	154	77
Manic-depressive disorders	20,358	13,479	2,734	1,354	2,155	433	203
Neurotic disorders	7,148	4,718	1,051	383	782	127	87
Anxiety states	450†	329	70	19	19	*	*
Depression	2,821	1,666	445	162	441	76	31
Drug dependence	420†	329	44	13	23	*	7
Nondependent abuse of drugs	500†	297	84	33	78	*	10
Alcohol dependence syndrome	871	657	70	12	113	9	10
Diseases of the nervous system	14,802	10,136	2,698	929	689	224	126
Diseases of the circulatory system	82,268	63,395	11,108	3,971	2,068	1,113	613
Heart disease	52,756	41,396	6,779	2,288	1,238	655	400
Acute myocardial infarction	10,483	8,158	1,484	354	229	149	109
Coronary atherosclerosis	5,819	4,577	764	200	137	78	63

**TABLE 4A-3 (continued)
NUMBER OF DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND RACE/ETHNICITY, ARIZONA, 2014**

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
Other ischemic heart disease	556	420	76	28	20	6	6
Cardiac dysrhythmias	13,242	11,047	1,356	385	254	134	66
Cardiac arrest	220†	148	32	12	19	*	*
Congestive heart failure	1,773	1,295	299	84	66	24	*
Cerebrovascular disease	15,860	12,130	2,233	740	368	264	125
Diseases of the respiratory system	52,039	37,084	8,690	2,747	2,412	715	391
Acute bronchitis and bronchiolitis	2,877	1,366	971	170	283	47	40
Pneumonia	15,658	11,169	2,626	666	865	218	114
Chronic bronchitis	7,927	6,937	549	265	79	56	41
Asthma	5,720	3,270	1,378	679	245	95	53
Diseases of the digestive system	64,699	44,103	13,372	2,699	3,210	908	407
Appendicitis	3,780	2,161	1,240	111	177	66	25
Noninfectious enteritis and colitis	5,522	4,131	879	249	161	71	31
Diverticula of intestine	5,618	4,222	1,008	184	113	63	28
Cholelithiasis	7,155	4,189	2,160	230	425	105	46
Diseases of the genitourinary system	30,002	20,505	6,297	1,386	1,181	455	178
Calculus of kidney and ureter	3,922	2,906	742	98	75	75	26
Diseases of the skin and subcutaneous tissue	15,967	10,926	3,031	657	1,045	196	112
Cellulitis and abscess	13,983	9,618	2,663	523	914	170	95
Diseases of the musculoskeletal system	45,530	36,955	4,918	1,519	1,071	742	325
Osteoarthritis and allied disorders	23,509	20,058	2,011	593	299	387	161
Invertebral disc disorders	4,803	3,882	519	174	101	91	36
Congenital anomalies	2,382	1,374	672	94	150	62	30
Conditions originating in perinatal period	2,347	1,093	843	116	171	82	42
Symptoms signs and ill-defined conditions	17,411	11,950	3,234	1,096	740	275	116
Injury and poisoning	61,855	44,405	10,076	2,565	3,371	878	560
Fractures, all sites	21,165	15,946	3,162	552	1,055	250	200
Fracture of neck of femur	6,729	5,849	576	76	143	57	28
Poisonings	6,830	4,828	1,183	318	356	68	77

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

**TABLE 4A-4
NUMBER OF DISCHARGES^a BY PRIMARY PAYER, GENDER, AGE GROUP, RACE/ETHNICITY,
AND MARITAL STATUS, ARIZONA, 2014**

Selected characteristics		Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/Medicaid	Medicare	Other
Total		637,060	24,640	166,411	159,215	200,024	86,770
Gender	Male	268,927	12,485	62,906	57,033	96,001	40,502
	Female	368,123	12,150	103,504	102,182	104,021	46,266
	Unknown	10†	*	*	0	*	*
Age group	Children <15 years	31,098	1,213	10,189	17,899	35	1,762
	Adolescents 15-19 years	20,387	1,339	6,878	11,069	65	1,036
	Young adults 20-44 years	183,047	11,860	69,501	82,060	8,386	11,240
	Middle-aged adults 45-64 years	166,866	8,758	65,467	44,894	28,317	19,430
	Elderly 65+ years	235,657	1,469	14,376	3,292	163,219	53,301
	Unknown	10†	*	0	*	*	*
Race/ethnicity	White non-Hispanic	432,626	13,475	121,526	69,861	163,287	64,477
	Hispanic or Latino	126,282	7,859	27,028	58,719	19,913	12,763
	Black or African American	32,140	1,653	7,121	12,761	6,890	3,715
	American Indian or Alaska Native	29,277	861	4,661	13,467	6,373	3,915
	Asian or Pacific Islander	11,504	438	4,538	2,979	2,342	1,207
	Refused/Unknown	5,231	354	1,537	1,428	1,219	693
Patient's marital status	Single	232,026	13,370	56,663	104,715	34,881	22,397
	Married	270,599	7,922	93,518	34,211	96,984	37,964
	Separated	6,169	394	1,088	2,416	1,518	753
	Divorced	54,460	1,860	10,205	12,905	20,056	9,434
	Widowed	68,655	727	3,984	3,195	45,171	15,578
	Not Applicable	170†	*	8	163	0	*
	Unknown	4,977	366	945	1,610	1,414	642

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, 2014**

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	
All conditions	4.7	4.6	4.7	3.8	5.1	5.1	2.0
Infectious and parasitic diseases	6.3	4.4	4.8	5.7	6.8	6.3	1.5
Septicemia	6.7	8.2	5.9	6.1	7.3	6.5	1.5
Enterocolitis due to <i>Clostridium difficile</i>	5.4	5.2	4.7	4.8	5.2	5.7	0.0
Neoplasms	5.8	13.0	10.7	4.9	5.5	6.1	0.0
Malignant neoplasms	6.3	15.8	13.8	6.4	5.9	6.3	0.0
Large intestine	7.1	0.0	0.0	6.1	6.7	7.5	0.0
Prostate	2.1	0.0	0.0	1.5	1.7	2.5	0.0
Trachea bronchus and lung	6.1	3.0	4.4	5.1	6.1	6.2	0.0
Breast	2.2	0.0	0.0	2.0	2.3	2.0	0.0
Benign neoplasms	3.6	4.9	3.2	3.0	3.4	4.6	0.0
Endocrine nutritional metabolic and immunity diseases	3.9	3.8	3.3	3.3	4.1	4.2	0.0
Diabetes mellitus	4.5	2.4	2.6	3.5	5.2	5.5	0.0
Volume depletion	3.0	0.0	1.0	1.7	3.2	3.2	0.0
Morbid obesity	2.1	2.0	1.9	1.9	2.1	2.5	0.0
Diseases of the blood and blood forming organs	4.1	4.7	5.0	4.0	3.9	3.9	0.0
Mental disorders	9.1	8.4	8.5	8.7	9.2	11.8	0.0
Psychoses	9.6	8.7	8.7	9.2	9.8	12.7	0.0
Alcoholic psychoses	4.9	0.0	4.9	4.4	5.1	6.3	0.0
Drug psychoses	5.4	4.2	5.7	5.5	5.2	4.8	0.0
Schizophrenic disorders	15.6	18.4	17.8	14.6	15.9	23.4	0.0
Manic-depressive disorders	9.3	8.6	8.2	8.7	9.8	13.5	0.0
Neurotic disorders	6.5	7.0	7.7	6.1	6.3	7.0	0.0
Anxiety states	5.4	5.3	4.6	5.5	4.8	6.3	0.0
Depression	6.5	6.5	5.8	6.1	7.0	7.9	0.0
Drug dependence	9.4	17.0	18.3	5.6	8.8	5.9	0.0
Nondependent abuse of drugs	2.7	3.2	2.7	2.7	2.6	2.9	0.0
Alcohol dependence syndrome	6.1	1.0	12.0	5.5	6.1	7.1	0.0
Diseases of the nervous system	4.3	4.0	3.8	3.7	4.3	5.0	0.0
Diseases of the circulatory system	4.3	4.3	5.7	4.3	4.3	4.2	6.0
Heart disease	4.3	8.2	5.0	4.2	4.2	4.4	6.0
Acute myocardial infarction	4.1	0.0	2.0	3.0	3.9	4.3	0.0
Coronary atherosclerosis	4.3	0.0	0.0	3.2	4.0	4.5	0.0

TABLE 4A-5 (continued)
AVERAGE LENGTH OF STAY FOR DISCHARGES^a BY FIRST-LISTED DIAGNOSIS AND AGE GROUP, ARIZONA, 2014

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	3.1	27.0	0.0	2.6	2.8	3.3	0.0
Cardiac dysrhythmias	3.3	3.1	3.4	2.9	3.1	3.3	6.0
Cardiac arrest	2.7	3.8	0.0	2.1	2.7	2.8	0.0
Congestive heart failure	4.2	19.4	33.0	4.4	4.6	3.7	0.0
Cerebrovascular disease	4.1	9.8	7.9	5.7	4.6	3.8	0.0
Diseases of the respiratory system	5.2	3.2	4.7	4.9	5.5	5.7	1.0
Acute bronchitis and bronchiolitis	3.3	3.4	6.0	2.7	2.8	2.9	0.0
Pneumonia	4.7	3.2	4.7	4.2	4.8	5.0	0.0
Chronic bronchitis	4.2	12.7	3.0	3.0	4.0	4.4	0.0
Asthma	3.2	2.1	2.7	3.0	3.5	4.3	0.0
Diseases of the digestive system	4.2	3.9	3.8	3.6	4.3	4.7	0.0
Appendicitis	3.1	3.8	2.8	2.3	3.3	4.3	0.0
Noninfectious enteritis and colitis	4.2	3.5	6.5	3.9	4.2	4.4	0.0
Diverticula of intestine	4.3	0.0	9.3	4.0	4.1	4.4	0.0
Cholelithiasis	3.4	3.9	2.8	2.7	3.4	4.4	0.0
Diseases of the genitourinary system	3.7	3.3	2.9	2.8	3.7	4.1	0.0
Calculus of kidney and ureter	2.3	2.8	1.9	2.0	2.2	2.7	0.0
Diseases of the skin and subcutaneous tissue	4.3	2.3	3.8	3.7	4.6	5.0	0.0
Cellulitis and abscess	3.8	2.1	3.1	3.4	4.1	4.4	0.0
Diseases of the musculoskeletal system	3.1	4.7	4.2	3.5	3.0	3.1	0.0
Osteoarthritis and allied disorders	2.4	0.0	2.8	2.2	2.2	2.5	0.0
Invertebral disc disorders	2.7	7.0	2.0	2.4	2.6	3.2	0.0
Congenital anomalies	6.8	8.7	4.4	3.7	4.1	4.0	0.0
Conditions originating in perinatal period	5.8	5.8	0.0	3.0	0.0	0.0	0.0
Symptoms signs and ill-defined conditions	2.8	3.0	2.5	2.5	2.7	2.9	0.0
Injury and poisoning	5.0	4.0	3.9	4.6	5.3	5.2	0.0
Fractures, all sites	4.6	2.8	3.9	4.4	4.8	4.7	0.0
Fracture of neck of femur	4.9	1.3	3.8	4.7	5.0	5.0	0.0
Poisonings	3.6	1.8	2.7	3.5	4.0	3.9	0.0

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).

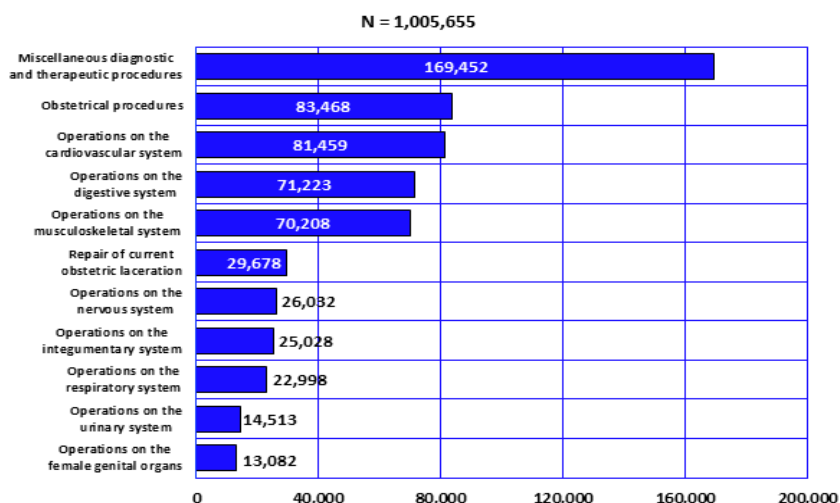
For comparability with the national data*, the rates of all-listed procedures are presented per 10,000 population. The groupings of ICD-9-CM codes used to identify specific procedure categories can be accessed at <http://www.azdhs.gov/plan/hip/cat/icd9procedure.xls>.

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 - 2014 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

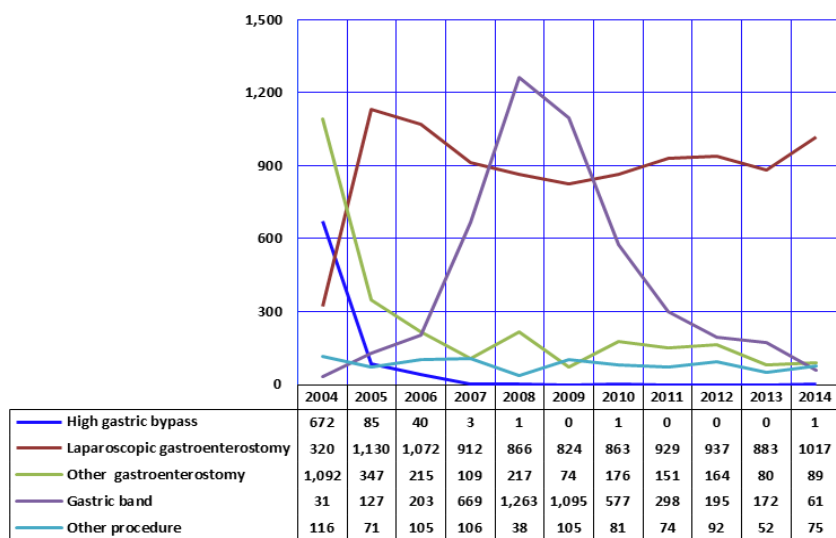
Figure 4B-1
Ten Leading Categories of All-listed Inpatient Procedures,
Arizona Residents, 2014



During 2014, 1,005,655 procedures were performed among the 637,060 total inpatient discharges to Arizona residents. The rate of procedures was 1508.4 per 10,000 population. For Arizona males, this rate was 1334.5/10,000, and for Arizona females it was 1681.6/10,000.

No specific procedure was recorded for approximately 40.6 percent of all inpatient discharges. Only 5.6 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, 2004-2014



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 2014, **morbid obesity** (ICD-9-CM code 278.01) was the principal diagnosis for 2,440 inpatient hospitalizations (**Table 4A-1**). The number of *gastric bypass* surgeries, once the most common bariatric procedure, declined from a recent high of 672 in 2004 to only 2 gastric bypass surgeries being completed in the past 6 years (**Figure 4B-2**). In 2014, *laparoscopic gastroenterostomy* was the most popular procedure, with 1,017 surgeries 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, 2014**

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	1,005,655	71,401	24,891	279,543	272,955	356,854	11
Operations on the nervous system	26,032	3,516	1,100	7,739	6,315	7,362	0
Spinal tap	8,078	2,594	266	1,932	1,818	1,468	0
Operations on the endocrine system	1,454	25	18	360	594	457	0
Operations on the eye	810	73	43	281	220	193	0
Operations on the ear	394	107	19	96	71	101	0
Operations on the nose, mouth, and pharynx	4,125	677	193	1,209	1,070	976	0
Operations on the respiratory system	22,998	727	328	2,896	7,233	11,813	*
Bronchoscopy with or without biopsy	1,055	11	8	123	409	504	0
Operations on the cardiovascular system	81,459	3,523	675	8,884	26,913	41,463	*
Removal of coronary artery obstruction	8,240†	*	0	358	3,300	4,585	0
Coronary artery bypass graft	3,412	0	0	66	1,159	2,187	0
Cardiac catheterization	18,751	103	20	1,114	7,277	10,237	0
Insertion, replacement, removal, of pacemaker leads	3,912	18	10	155	670	3,059	0
Hemodialysis	15,668	41	66	2,387	6,397	6,777	0
Operations on the hemic and lymphatic system	7,671	288	117	1,023	2,892	3,351	0
Operations on the digestive system	71,223	2,668	1,205	15,816	24,299	27,234	*
Gastric band	24	0	0	11	7	6	0
Endoscopy of small intestine with or without biopsy	18,118	299	217	3,302	6,055	8,244	*
Endoscopy of large intestine with or without biopsy	7,419	155	101	1,144	2,210	3,809	0
Partial excision of large intestine	3,099	43	25	414	1,009	1,608	0
Appendectomy, excluding incidental	4,307	866	379	1,485	1,019	558	0
Cholecystectomy	9,473	83	261	3,393	2,920	2,816	0
Lysis of peritoneal adhesions	6,777	135	56	1,713	2,357	2,516	0
Operations on the urinary system	14,513	341	185	3,161	4,896	5,930	0
Cystoscopy with or without biopsy	2,949	87	21	767	1,003	1,071	0
Operations on the male genital organs	9,192	6,614	14	247	1,004	1,313	0
Prostatectomy	1,820†	*	0	15	756	1,044	0

TABLE 4B-1 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND AGE GROUP, ARIZONA, 2014

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	13,082	96	190	9,082	2,636	1,078	0
Oophorectomy and salpingo-oophorectomy	3,062	11	18	893	1,515	625	0
Bilateral destruction/occlusion of fallopian tubes	4,820†	0	*	4,804	16	0	0
Hysterectomy	4,120†	*	*	1,675	1,899	545	0
Obstetrical procedures	83,468	48	6,491	76,810	119	0	0
Episiotomy with or w/o forceps or vacuum extraction	5,220†	8	641	4,569	*	0	0
Artificial rupture of membranes	22,692	15	1,908	20,749	20	0	0
Cesarean section	23,530†	*	1,094	22,366	68	0	0
Repair of current obstetric laceration	29,678	25	3,115	26,511	27	0	0
Operations on the musculoskeletal system	70,208	1,396	889	8,981	24,501	34,441	0
Partial excision of bone	9,758	150	123	1,529	4,143	3,813	0
Reduction of fracture	11,224	482	301	2,166	2,757	5,518	0
Open reduction of fracture with internal fixation	8,025	239	238	1,760	2,218	3,570	0
Excision or destruction of intervertebral disc	6,650†	*	26	1,228	3,050	2,337	0
Total hip replacement	7,870†	*	*	263	2,972	4,627	0
Total knee replacement	15,090†	*	*	226	5,710	9,149	0
Operations on the integumentary system	25,028	1,361	585	6,974	8,976	7,132	0
Debridement of wound, infection, or burn	6,899	257	133	1,830	2,714	1,965	0
Miscellaneous diagnostic and therapeutic procedures	169,452	32,146	2,765	28,609	43,004	62,925	*
Computerized axial tomography	2,296	111	29	359	660	1,137	0
Arterio- & angiocardiology using contrast material	24,309	125	71	1,650	8,904	13,559	0
Diagnostic ultrasound	9,998	502	100	1,088	2,881	5,427	0
Respiratory therapy	28,962	3,088	390	4,060	8,842	12,579	*
Insertion of endotracheal tube	16,579	2,110	213	2,612	5,155	6,487	*
Injection/infusion of cancer chemotherapy substance	3,573	633	281	653	1,080	926	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, 2014**

Procedures by category	Total	Patient's gender		
		Male	Female	Unknown
All procedures	1,005,655	442,182	563,423	50
Operations on the nervous system	26,032	11,506	14,526	0
Spinal tap	8,078	4,040	4,038	0
Operations on the endocrine system	1,454	557	897	0
Operations on the eye	810	563	247	0
Operations on the ear	394	255	139	0
Operations on the nose, mouth, and pharynx	4,125	2,530	1,595	0
Operations on the respiratory system	22,998	12,647	10,351	0
Bronchoscopy with or without biopsy	1,055	594	461	0
Operations on the cardiovascular system	81,459	45,428	36,028	*
Removal of coronary artery obstruction	8,244	5,669	2,575	0
Coronary artery bypass graft	3,412	2,551	861	0
Cardiac catheterization	18,751	11,724	7,027	0
Insertion, replacement, removal, of pacemaker leads	3,912	2,085	1,827	0
Hemodialysis	15,668	8,562	7,106	0
Operations on the hemic and lymphatic system	7,671	4,020	3,651	0
Operations on the digestive system	71,223	32,932	38,291	0
Gastric band	24	6	18	0
Endoscopy of small intestine with or without biopsy	18,118	8,754	9,364	0
Endoscopy of large intestine with or without biopsy	7,419	3,301	4,118	0
Partial excision of large intestine	3,099	1,505	1,594	0
Appendectomy, excluding incidental	4,307	2,282	2,025	0
Cholecystectomy	9,473	3,534	5,939	0
Lysis of peritoneal adhesions	6,777	2,213	4,564	0
Operations on the urinary system	14,513	7,319	7,194	0
Cystoscopy with or without biopsy	2,949	1,214	1,735	0
Operations on the male genital organs	9,192	9,187	0	*
Prostatectomy	1,816	1,816	0	0

**TABLE 4B-2 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND GENDER, ARIZONA, 2014**

Procedures by category	Total	Patient's gender		
		Male	Female	Unknown
Operations on the female genital organs	13,082	0	13,082	0
Oophorectomy and salpingo-oophorectomy	3,062	0	3,062	0
Bilateral destruction/occlusion of fallopian tubes	4,821	0	4,821	0
Hysterectomy	4,122	0	4,122	0
Obstetrical procedures	83,468	0	83,468	0
Episiotomy with or w/o forceps or vacuum extraction	5,220	0	5,220	0
Artificial rupture of membranes	22,692	0	22,692	0
Cesarean section	23,533	0	23,533	0
Repair of current obstetric laceration	29,678	0	29,678	0
Operations on the musculoskeletal system	70,208	34,002	36,206	0
Partial excision of bone	9,758	5,215	4,543	0
Reduction of fracture	11,224	4,867	6,357	0
Open reduction of fracture with internal fixation	8,025	3,529	4,496	0
Excision or destruction of intervertebral disc	6,646	3,272	3,374	0
Total hip replacement	7,868	3,462	4,406	0
Total knee replacement	15,091	6,104	8,987	0
Operations on the integumentary system	25,028	13,519	11,509	0
Debridement of wound, infection, or burn	6,899	4,163	2,736	0
Miscellaneous diagnostic and therapeutic procedures	169,452	85,334	84,089	29
Computerized axial tomography	2,296	1,075	1,221	0
Arterio- & angiocardiology using contrast material	24,309	14,877	9,431	*
Diagnostic ultrasound	9,998	5,670	4,328	0
Respiratory therapy	28,962	15,937	13,020	*
Insertion of endotracheal tube	16,579	9,291	7,284	*
Injection/infusion of cancer chemotherapy substance	3,573	2,062	1,511	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, 2014**

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	1,005,655	676,447	209,200	47,309	43,296	20,104	9,299
Operations on the nervous system	26,032	16,723	6,107	1,172	1,207	524	299
Spinal tap	8,078	4,627	2,284	526	397	162	82
Operations on the endocrine system	1,454	1,009	280	82	39	27	17
Operations on the eye	810	487	176	45	71	16	15
Operations on the ear	394	221	98	18	43	8	6
Operations on the nose, mouth, and pharynx	4,125	2,633	845	240	275	82	50
Operations on the respiratory system	22,998	16,884	3,522	1,008	928	460	196
Bronchoscopy with or without biopsy	9,115	6,482	1,532	476	353	197	75
Operations on the cardiovascular system	81,459	60,169	12,185	3,845	3,426	1,169	665
Removal of coronary artery obstruction	8,244	6,494	1,124	263	169	110	84
Coronary artery bypass graft	3,412	2,679	475	76	80	68	34
Cardiac catheterization	18,751	14,327	2,726	792	475	261	170
Insertion, replacement, removal, of pacemaker leads	3,912	3,195	417	118	110	47	25
Hemodialysis	15,668	7,340	4,239	1,608	2,034	310	137
Operations on the hemic and lymphatic system	7,671	5,748	1,181	321	163	182	76
Operations on the digestive system	71,223	48,323	14,755	3,081	3,389	1,193	482
Gastric band	20†	19	*	*	*	0	0
Endoscopy of small intestine with or without biopsy	18,118	12,715	3,136	896	960	293	118
Endoscopy of large intestine with or without biopsy	7,419	5,409	1,220	359	295	104	32
Partial excision of large intestine	3,099	2,395	478	107	61	43	15
Appendectomy, excluding incidental	4,307	2,510	1,356	130	202	79	30
Cholecystectomy	9,473	5,691	2,706	302	553	154	67
Lysis of peritoneal adhesions	6,777	4,722	1,340	374	195	115	31
Operations on the urinary system	14,513	10,351	2,716	614	473	262	97
Cystoscopy with or without biopsy	2,949	2,116	559	142	64	49	19
Operations on the male genital organs	9,192	6,866	1,303	441	131	292	159
Prostatectomy	1,816	1,470	207	92	11	22	14

**TABLE 4B-3 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND RACE/ETHNICITY, ARIZONA, 2014**

Procedures by category	Total	Race/ethnicity						Refused /Unknown
		White non-Hispanic	Hispanic or Latino	Black or African American	American Indian or Alaska Native	Asian or Pacific Islander		
Operations on the female genital organs	13,082	6,736	4,543	880	466	351	106	
Oophorectomy and salpingo-oophorectomy	3,062	2,032	676	173	74	82	25	
Bilateral destruction/occlusion of fallopian tubes	4,821	2,008	2,225	251	187	122	28	
Hysterectomy	4,122	2,476	1,067	315	106	116	42	
Obstetrical procedures	83,468	40,148	31,533	4,719	3,308	2,915	845	
Episiotomy with or w/o forceps or vacuum extraction	5,220	3,296	1,312	177	119	258	58	
Artificial rupture of membranes	22,692	11,298	8,344	1,247	889	720	194	
Cesarean section	50†	23	19	*	*	*	0	
Repair of current obstetric laceration	29,678	15,168	10,637	1,274	981	1,279	339	
Operations on the musculoskeletal system	70,208	54,675	9,033	2,271	2,658	1,042	529	
Partial excision of bone	9,758	7,518	1,265	345	433	135	62	
Reduction of fracture	11,225	8,327	1,810	293	561	131	103	
Open reduction of fracture with internal fixation	8,025	5,891	1,311	226	422	98	77	
Excision or destruction of intervertebral disc	6,646	5,395	698	235	151	111	56	
Total hip replacement	7,868	7,064	400	198	70	93	43	
Total knee replacement	15,091	12,429	1,603	397	249	296	117	
Operations on the integumentary system	25,028	16,629	4,888	1,259	1,704	332	216	
Debridement of wound, infection, or burn	6,899	4,503	1,373	295	609	63	56	
Miscellaneous diagnostic and therapeutic procedures	169,452	111,734	35,653	8,393	8,330	3,362	1,980	
Computerized axial tomography	2,296	1,694	364	100	46	62	30	
Arterio- & angiocardiology using contrast material	24,309	18,387	3,580	1,097	689	343	213	
Diagnostic ultrasound	9,998	7,680	1,369	381	290	175	103	
Respiratory therapy	28,962	20,120	4,848	1,547	1,656	436	355	
Insertion of endotracheal tube	16,579	11,254	3,048	938	881	253	205	
Injection/infusion of cancer chemotherapy substance	3,573	2,296	921	118	115	108	15	

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, 2014**

Procedures by category	Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/Medicaid	Medicare	Other
All procedures	1,005,655	34,506	290,655	248,434	295,463	136,597
Operations on the nervous system	26,032	814	8,075	7,838	6,076	3,229
Spinal tap	8,078	362	2,407	3,120	1,389	800
Operations on the endocrine system	1,454	27	591	270	399	167
Operations on the eye	810	81	194	254	177	104
Operations on the ear	394	29	98	133	82	52
Operations on the nose, mouth, and pharynx	4,125	314	1,151	1,301	894	465
Operations on the respiratory system	22,998	678	4,831	3,897	9,724	3,868
Bronchoscopy with or without biopsy	1,055	30	220	177	471	157
Operations on the cardiovascular system	81,459	2,518	16,767	14,095	33,982	14,097
Removal of coronary artery obstruction	8,244	445	2,031	918	3,461	1,389
Coronary artery bypass graft	3,412	106	827	317	1,586	576
Cardiac catheterization	18,751	881	4,358	2,412	7,963	3,137
Insertion, replacement, removal, of pacemaker leads	3,912	98	494	243	2,220	857
Hemodialysis	15,668	202	1,561	2,530	9,181	2,194
Operations on the hemic and lymphatic system	7,671	142	2,532	1,224	2,681	1,092
Operations on the digestive system	71,223	2,968	19,903	15,639	22,687	10,026
Gastric band	20†	0	10	*	8	*
Endoscopy of small intestine with or without biopsy	18,118	718	3,837	3,741	6,698	3,124
Endoscopy of large intestine with or without biopsy	7,419	248	1,639	1,280	2,945	1,307
Partial excision of large intestine	3,099	96	888	420	1,214	481
Appendectomy, excluding incidental	4,307	404	1,807	1,327	456	313
Cholecystectomy	9,473	640	3,004	2,544	2,218	1,067
Lysis of peritoneal adhesions	6,777	173	2,251	1,350	2,082	921
Operations on the urinary system	14,513	501	4,248	2,623	5,060	2,081
Cystoscopy with or without biopsy	2,949	102	1,036	540	891	380
Operations on the male genital organs	9,192	262	5,541	1,628	944	817
Prostatectomy	1,816	10	690	88	726	302

**TABLE 4B-4 (continued)
NUMBER OF PROCEDURES BY CATEGORY AND EXPECTED SOURCE OF PAYMENT, ARIZONA, 2014**

Procedures by category	Total	Self-pay	Private insurance (indemnity, HMO, PPO)	AHCCCS/Medicaid	Medicare	Other
Operations on the female genital organs	13,082	440	5,627	5,363	939	713
Oophorectomy and salpingo-oophorectomy	3,062	74	1,528	693	507	260
Bilateral destruction/occlusion of fallopian tubes	4,821	138	1,702	2,807	29	145
Hysterectomy	4,122	100	2,186	1,091	464	281
Obstetrical procedures	83,468	2,987	35,609	41,414	324	3,134
Episiotomy with or w/o forceps or vacuum extraction	5,220	200	2,801	1,970	34	215
Artificial rupture of membranes	22,692	637	9,746	11,290	72	947
Cesarean section	23,533	732	10,825	11,014	124	838
Repair of current obstetric laceration	29,678	1,152	14,572	12,679	64	1,211
Operations on the musculoskeletal system	70,208	1,919	19,172	9,616	26,738	12,763
Partial excision of bone	9,758	141	3,028	1,445	3,372	1,772
Reduction of fracture	11,224	623	2,506	1,878	4,119	2,098
Open reduction of fracture with internal fixation	8,025	490	1,957	1,398	2,690	1,490
Excision or destruction of intervertebral disc	6,646	57	2,677	845	1,880	1,187
Total hip replacement	7,868	116	2,491	497	3,426	1,338
Total knee replacement	15,091	140	4,745	932	6,443	2,831
Operations on the integumentary system	25,028	1,496	6,227	6,873	6,878	3,554
Debridement of wound, infection, or burn	6,899	429	1,503	1,905	2,005	1,057
Miscellaneous diagnostic and therapeutic procedures	169,452	6,454	43,190	44,273	52,306	23,229
Computerized axial tomography	2,296	62	587	357	834	456
Arterio- & angiocardigraphy using contrast material	24,309	986	5,381	3,161	10,561	4,220
Diagnostic ultrasound	9,998	274	2,363	1,439	4,493	1,429
Respiratory therapy	28,962	1,191	5,278	6,930	10,793	4,770
Insertion of endotracheal tube	16,579	850	3,120	4,397	5,627	2,585
Injection/infusion of cancer chemotherapy substance	3,573	43	1,395	997	778	360

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

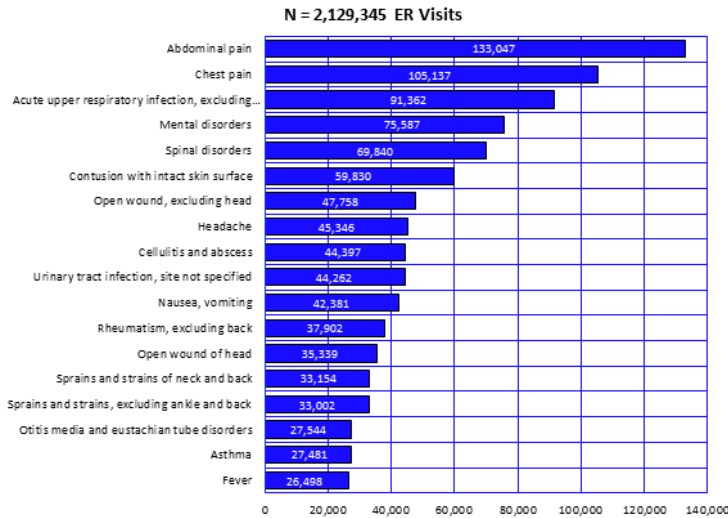
The data in this section are focused on ambulatory care visits to emergency rooms of non-Federal, short-stay hospitals. The emergency room (ER) and the inpatient hospitalization data are mutually exclusive. The ER data include only those who were not admitted as inpatients.

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, 2014



During 2014, more than 2.0 million visits were made by Arizona residents to hospital emergency rooms (ER), about 31.9 visits per 100 persons. The utilization rates vary by geographic region, with the Western United States having the lowest ER visit rate.

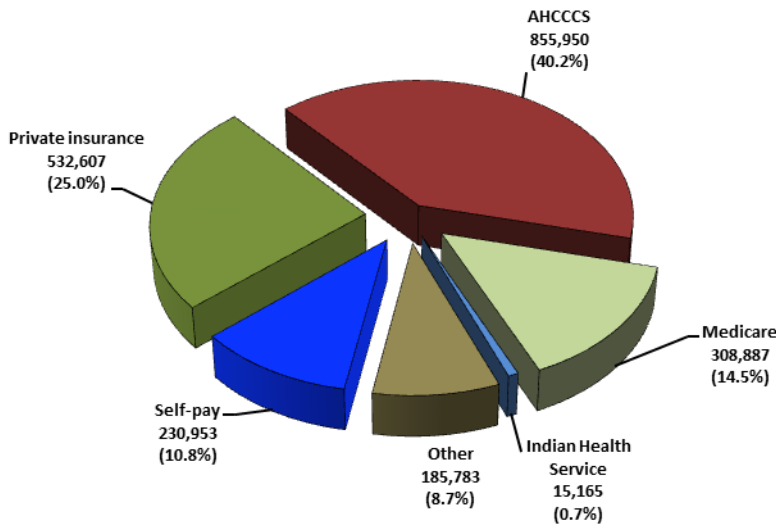
In 2014, *abdominal pain, chest pain, acute upper respiratory infection, mental disorders, spinal disorders, and contusion with intact skin surfaces* were the leading diagnostic categories, accounting for 25.1 percent of all visits (**Figure 4C-1, Table 4C-2**).

Both *rheumatism* (26,498 visits) and *fever* (27,481) were among the top eighteen complaints, symptoms, or reasons for a visit to the emergency room.

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

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

Figure 4C-2
Emergency Room Visits by Payer, Arizona Residents, 2014



The Arizona Health Care Cost Containment System (AHCCCS, the State's Medicaid program) was the most frequently recorded expected source of payment, accounting for 40.2 percent of ER visits (**Figure 4C-3**). Private insurance was the second most frequent payer (25.0 percent of ER visits), followed by Medicare (14.5 percent), and self-pay patients (10.8 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, 2014**

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	2,129,345	411,553	129,991	808,149	451,857	327,773	22
Infectious and parasitic diseases	48,431	23,356	3,209	13,643	5,093	3,130	0
Neoplasms	3,284	191	70	937	1,065	1,021	0
Endocrine nutritional metabolic and immunity diseases	34,216	2,823	1,266	10,764	10,610	8,752	*
Diabetes mellitus	12,061	432	356	3,902	4,663	2,708	0
Mental disorders	75,587	2,953	6,313	38,753	21,274	6,292	*
Psychoses	16,351	390	809	7,933	4,753	2,465	*
Alcoholic psychoses	3,040†	*	33	1,661	1,245	96	0
Drug psychoses	3,631	19	148	2,195	1,019	250	0
Schizophrenic disorders	1,693	10	60	1,065	497	61	0
Manic-depressive disorders	3,326	260	375	1,565	928	198	0
Neurotic disorders	59,220	2,561	5,501	30,816	16,514	3,827	*
Anxiety states	17,060	445	1,262	9,699	4,100	1,554	0
Depression	7,164	543	1,156	3,163	1,797	505	0
Drug dependence	960†	*	53	631	227	42	0
Nondependent abuse of drugs	18,826	211	1,624	10,506	5,787	698	0
Alcohol dependence syndrome	4,981	8	81	2,224	2,386	281	*
Diseases of the nervous system	120,153	34,129	5,626	44,911	24,684	10,800	*
Diseases of the circulatory system	59,451	508	600	9,999	19,230	29,113	*
Diseases of the respiratory system	206,584	88,242	11,644	57,853	29,519	19,325	*
Acute bronchitis and bronchiolitis	25,335	9,724	863	7,962	4,196	2,590	0
Pneumonia	19,266	6,851	802	4,423	3,744	3,446	0
Chronic bronchitis	7,310†	*	*	372	3,170	3,761	0
Asthma	27,481	10,890	1,866	8,680	4,431	1,614	0
Diseases of the digestive system	138,531	23,162	6,983	60,188	29,249	18,949	0
Diseases of the genitourinary system	130,559	11,420	10,331	64,587	24,326	19,894	*
Diseases of the skin and subcutaneous tissue	74,924	15,662	4,879	30,962	15,496	7,925	0
Diseases of the musculoskeletal system	149,559	7,372	5,832	62,144	46,473	27,737	*
Symptoms signs and ill-defined conditions	541,637	86,231	28,437	195,869	131,101	99,995	*
Injury and poisoning	428,681	101,591	33,820	145,648	80,956	66,659	7
Fractures, all sites	57,337	14,052	3,930	14,450	11,870	13,034	*
Sprains	80,521	9,174	7,958	38,051	17,597	7,741	0
Intracranial	11,982	3,378	1,758	3,592	1,688	1,566	0
Open wounds	83,097	23,593	5,826	27,633	13,408	12,635	*
Superficial	22,474	7,690	1,606	7,047	3,629	2,502	0
Contusions	59,830	12,530	4,436	20,014	11,787	11,063	0
Foreign bodies	9,733	4,311	328	2,453	1,508	1,133	0
Burns	2,610	698	186	1,091	473	162	0
Trauma complications and unspecified injuries	42,443	13,843	3,111	11,495	6,418	7,575	*
Poisonings	19,408	4,873	2,014	7,046	3,843	1,632	0
Surgical and medical complications	12,583	912	356	2,931	3,746	4,638	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, 2014**

Primary diagnosis group	ICD-9-CM code(s)	All Ages	Age group					Unknown
			Children <15 years	Adolescents 15-19 years	Young adults 20-44 years	Middle-aged adults 45-64 years	Elderly 65+ years	
Total, all causes		2,129,345	411,553	129,991	808,149	451,857	327,773	22
Abdominal pain	789.0	133,047	14,135	10,239	66,647	29,132	12,893	*
Chest pain	786.5	105,137	2,365	3,498	35,724	39,212	24,337	*
Acute upper respiratory infection, excluding pharyngitis	460-461, 463-466	91,362	52,924	3,903	21,579	8,454	4,501	*
Mental disorders	290-319	75,587	2,953	6,313	38,753	21,274	6,292	*
Spinal disorders	720-724	69,840	1,718	2,372	32,486	22,069	11,195	0
Contusion with intact skin surface	920-924	59,830	12,530	4,436	20,014	11,787	11,063	0
Open wound, excluding head	874-897	47,758	7,770	3,872	19,769	9,230	7,116	*
Headache	784.0	45,346	4,259	3,325	23,223	10,585	3,954	0
Cellulitis and abscess	681-682	44,397	5,492	2,360	20,512	10,724	5,309	0
Urinary tract infection, site not specified	599.0	44,262	6,743	3,167	16,555	7,800	9,997	0
Nausea, vomiting	787.0	42,381	15,312	2,550	14,102	5,978	4,439	0
Rheumatism, excluding back	725-729	37,902	2,807	1,307	14,614	11,718	7,455	*
Open wound of head	870-873	35,339	15,823	1,954	7,864	4,178	5,519	*
Sprains and strains of neck and back	846-847	33,154	1,500	2,379	17,969	8,234	3,072	0
Sprains and strains, excluding ankle and back	840-844, 845.1, 848	33,002	5,038	3,209	13,761	7,224	3,770	0
Otitis media and eustachian tube disorders	381-382	27,544	21,758	873	3,534	1,062	316	*
Asthma	493	27,481	10,890	1,866	8,680	4,431	1,614	0
Fever	780.6	26,498	21,425	691	2,269	1,079	1,034	0
Superficial injuries	910-919	22,474	7,690	1,606	7,047	3,629	2,502	0
Acute pharyngitis	462.0	21,361	7,757	2,815	8,471	1,710	608	0
Gastroenteritis and colitis	558.0	21,331	7,361	1,185	7,229	3,372	2,184	0
Chronic and unspecified bronchitis	490-491	19,651	1,969	610	5,462	6,069	5,541	0
Pneumonia	480-486	19,266	6,851	802	4,423	3,744	3,446	0
Migraine	346	18,403	826	1,268	11,300	4,457	552	0
Heart disease, excluding ischemic	391-392.0	17,843	262	238	2,485	4,913	9,944	*
Unspecified viral and chlamydial infection	79.9	12,218	6,961	744	3,264	934	315	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.

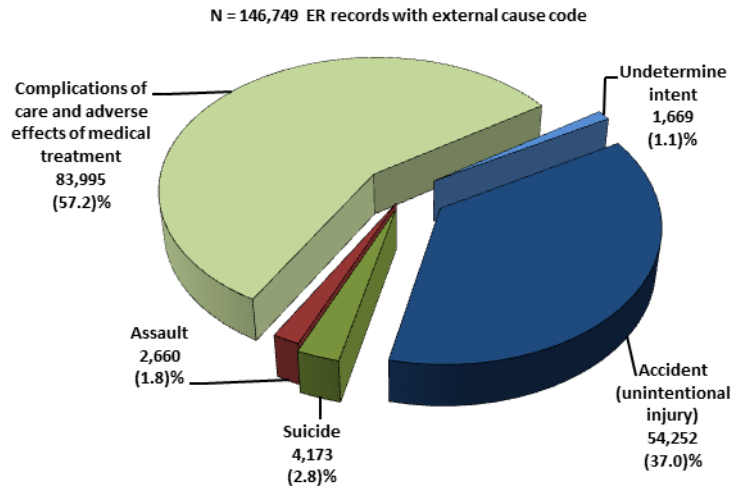
INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

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.

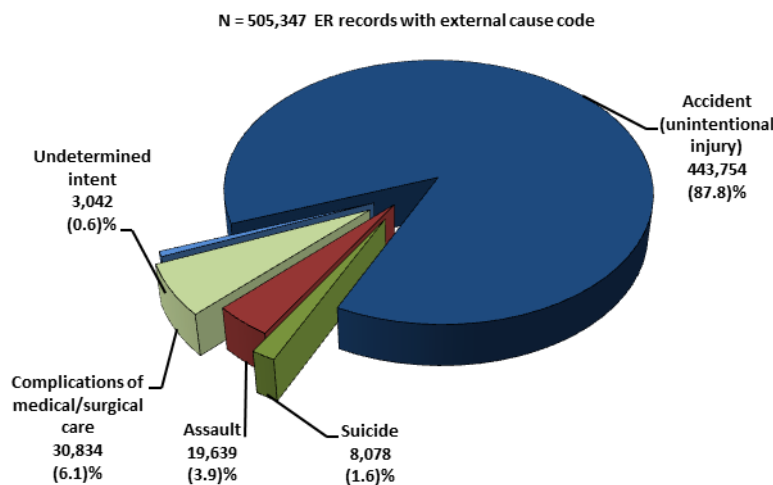
4D. INJURY-RELATED INPATIENT DISCHARGES AND EMERGENCY ROOM VISITS BY INTENT AND MECHANISM OF INJURY

Figure 4D-1
Percent Distribution of Inpatient Discharges by Intent of Injury,
Arizona Residents, 2014



In 2014, injury was indicated as the principal diagnosis on 61,883 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 (57.2 percent). *Unintentional injuries in accidents* accounted for 37.0 percent of all inpatient discharges by intent of injury. *Self-inflicted injuries in suicide* resulted in 4,172 inpatient hospitalizations (2.8 percent). *Assault* accounted for 2,666 inpatient hospitalizations (1.8 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, 2014



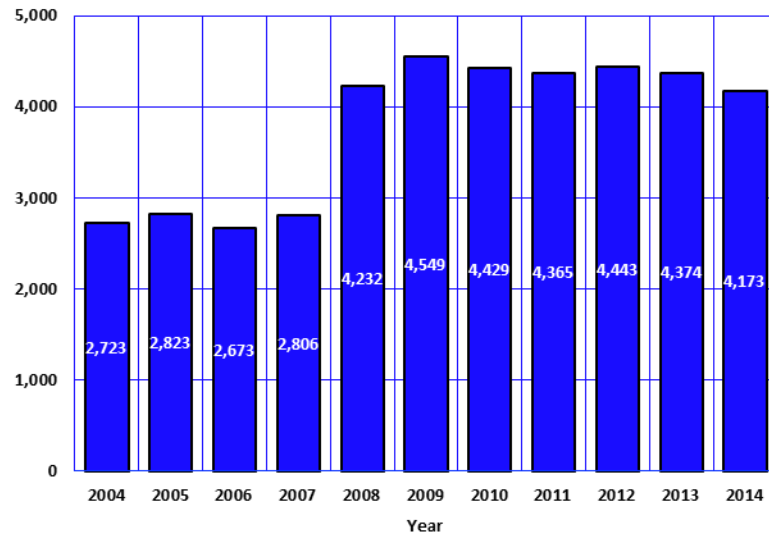
In 2014, there were 505,356 emergency room visits with known intent of injury among Arizona residents, 3 times as many as inpatient discharges. *Unintentional injuries or accidents* accounted for nine out of ten (443,762 or 87.8 percent) of all injury-related emergency room visits (Figure 4D-3, Table 4D-2). The external cause of injury was classified as *assault* for 19,639 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* (6.1 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-3 and Table 4D-2). It was only partly due to the change in the reporting requirements for hospitals. In 2014, *injury or poisoning* was the principal diagnosis on 3,297 inpatient discharge records, which also included the E codes for suicide (E950-E959). *Mental disorders* were identified as the principal diagnosis on the additional 690 suicide-related records. For the additional 185 inpatient discharges mentioning suicide attempt, the principal diagnosis was classified as *chronic disease, infectious disease, or ill-defined conditions*.

The number of suicide-related inpatient discharges has remained relatively consistent from 2008 – 2014.

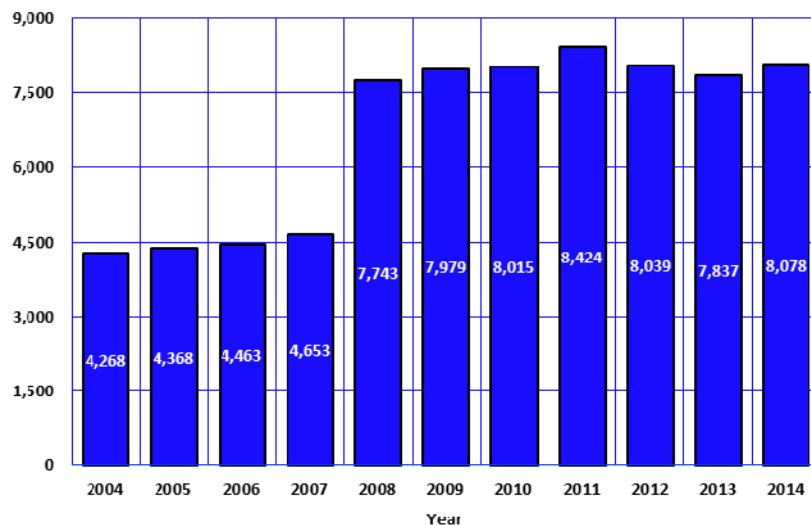
Figure 4D-3
Suicide-related Inpatient Discharges by Year,
Arizona Residents, 2004 - 2014



Injury or poisoning was the principal diagnosis on 5,950 ER discharge records, which also included the E codes for suicide (E950-E959). *Mental disorders* were identified as the principal diagnosis on 1,368 suicide-related records. For the additional 760 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 2014.

Figure 4D-4
Suicide-related Emergency Room Visits by Year,
Arizona Residents, 2004 - 2014



**TABLE 4D-1
INPATIENT DISCHARGES BY INTENT AND MECHANISM FOR SELECTED EXTERNAL CAUSES BY GENDER, AGE GROUP, AND
RACE/ETHNICITY, ARIZONA, 2014**

	Total ^f	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^a	54,252	27,226	27,024	*	2,407	1,356	9,832	13,838	26,818	*	40,162	8,338	1,784	2,770	676	522
Fall	26,124	10,703	15,421	0	690	177	1,867	5,184	18,206	0	20,927	3,179	519	995	306	198
Motor vehicle accident	6,204	3,874	2,328	*	285	503	2,589	1,765	1,062	0	3,854	1,381	303	468	105	93
Accidental poisoning by drugs, medicinal substances gases and vapors	3,554	1,706	1,848	0	224	114	977	1,337	902	0	2,515	622	196	152	32	37
Natural and environmental factors	2,394	1,303	1,091	0	274	59	662	799	599	*	1,686	412	87	157	30	22
Exposure to excessive natural heat	350 [†]	277	74	0	*	13	106	127	101	*	216	87	30	11	*	*
Fire and flames	491	299	192	0	81	21	167	137	85	0	276	116	27	51	8	13
Machinery	220 [†]	208	12	0	*	6	100	82	28	0	114	92	*	*	*	*
SUICIDE^b	4,173	1,801	2,372	0	194	593	2,007	1,136	243	0	2,828	765	183	293	44	60
ASSAULT^c	2,660	2,156	503	*	160	146	1,585	654	114	*	978	680	310	626	26	40
INJURIES OF UNDETERMINED INTENT^d	1,669	854	815	0	45	69	566	537	452	0	1,133	301	84	100	23	28
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT^e	83,995	41,329	42,666	0	1,857	859	11,644	27,260	42,375	0	62,648	12,410	3,912	3,027	1,476	522
Misadventures to patients	1,677	660	1,017	0	24	11	263	549	830	0	1,231	275	76	64	24	7
Surgical and medical procedures as the cause of adverse reaction	43,189	22,668	20,521	0	1,209	427	6,404	14,785	20,364	0	31,613	6,660	2,089	1,797	759	271
Drugs causing adverse effects	39,129	18,001	21,128	0	624	421	4,977	11,926	21,181	0	29,804	5,475	1,747	1,166	693	244

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, 2014**

	Total ^f	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 or Alaska Native	Asian or Pacific Islander	Refused/Unknown
UNINTENTIONAL INJURY OR ACCIDENT^a	443,754	223,476	220,269	9	105,587	33,483	148,563	84,793	71,326	*	270,434	118,329	26,237	18,496	6,139	4,119
Fall	147,870	65,950	81,917	*	40,635	6,459	29,385	28,222	43,169	0	97,568	35,379	6,255	5,712	1,777	1,179
Motor vehicle accident	48,834	22,188	26,643	*	4,351	5,362	25,030	10,410	3,680	*	26,959	14,281	4,387	1,668	970	569
Struck against or struck accidentally by objects or persons	46,874	28,401	18,471	*	17,187	6,334	14,490	5,676	3,186	*	26,768	13,790	3,175	2,021	610	510
Overexertion	38,855	19,381	19,474	0	5,138	3,934	18,091	8,062	3,630	0	23,176	10,352	2,671	1,816	499	341
Cutting or piercing instruments or objects	27,985	17,773	10,212	0	4,611	2,341	12,743	5,563	2,727	0	17,067	7,712	1,401	1,093	427	285
Natural and environmental factors	28,188	13,420	14,767	*	9,512	1,824	9,000	5,258	2,594	0	15,513	8,828	1,676	1,428	474	269
Exposure to excessive natural heat	1,520	1,035	485	0	116	119	694	405	186	0	947	390	100	55	13	15
Accidental poisoning by drugs, medicinal substances, biologicals, gases and vapors	7,632	3,828	3,804	0	2,117	491	2,616	1,576	832	0	4,765	1,934	433	341	91	68
Fire and flames	3,086	1,599	1,487	0	743	230	1,354	566	193	0	1,608	990	225	162	58	43
Machinery	1,417	1,196	221	0	66	61	661	410	219	0	861	437	45	41	18	15
Pedal cycle, nontraffic and other	7,129	5,300	1,829	0	2,252	656	2,320	1,490	411	0	4,815	1,638	292	241	79	64
Motor vehicle, nontraffic	1,431	928	503	0	222	194	657	251	107	0	940	367	47	58	8	11
Foreign body accidentally entering eye or other orifice	10,899	6,401	4,498	0	4,645	403	2,878	1,742	1,231	0	6,499	3,106	611	427	155	101
Suffocation	250 [†]	141	112	0	98	*	37	45	68	0	160	60	14	12	*	*
Firearm missile	691	622	69	0	111	115	346	90	29	0	349	223	71	32	8	8
Drowning/submersion	280 [†]	167	114	0	214	20	35	8	*	0	175	62	15	10	11	8
SUICIDE^b	8,078	3,115	4,963	0	758	1,763	3,887	1,463	207	0	5,283	1,734	473	441	80	67
ASSAULT^c	19,639	11,776	7,859	*	966	1,964	12,710	3,625	371	*	9,000	5,502	2,014	2,721	187	215
INJURIES OF UNDETERMINED INTENT^d	3,042	1,604	1,438	0	379	278	1,467	648	269	*	1,909	709	191	167	31	35
COMPLICATIONS OF CARE AND ADVERSE EFFECTS OF MEDICAL TREATMENT^e	30,834	13,566	17,268	0	2,421	1,083	8,934	8,670	9,726	0	20,625	6,624	1,791	1,054	527	213
Misadventures to patients	130 [†]	60	74	0	15	*	39	30	48	0	90	26	8	9	*	0
Surgical and medical procedures as the cause of adverse reaction	16,137	8,229	7,908	0	1,187	490	4,319	4,753	5,388	0	10,809	3,427	910	635	275	81
Drugs causing adverse effects	14,563	5,277	9,286	0	1,219	591	4,576	3,887	4,290	0	9,726	3,171	873	410	251	132

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.

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