

Table 94 (page 1 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2001

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory ¹			Inpatient ²				2000 ³	2001 ⁴
	1994	1995	1996	1994	1995	1996	1999		
Both sexes									
Procedures per 1,000 population									
Total ^{5,6}	107.9	113.6	120.1	157.9	152.7	153.3	151.5	142.8	144.9
Male									
All ages ^{5,6}	102.5	107.9	115.0	139.1	135.1	136.1	133.4	124.1	124.9
Under 18 years ⁶	45.6	43.0	44.7	36.0	37.4	36.3	37.6	34.7	39.9
Myringotomy with insertion of tube	9.1	8.5	8.2	0.4	0.3	0.4	*0.2	0.3	*0.2
Tonsillectomy, with or without adenoidectomy	3.6	4.1	3.6	0.4	0.4	0.4	*0.2	*0.2	0.3
Reduction of fracture	1.0	1.0	1.2	1.6	1.2	1.5	1.3	1.3	1.4
18–44 years ⁶	58.4	61.3	63.7	62.7	59.5	58.1	52.5	49.2	50.0
Cardiac catheterization	0.5	*0.3	0.6	1.1	1.1	1.2	1.2	1.1	1.1
Endoscopy of small or large intestine with or without biopsy	5.2	5.2	5.8	2.0	1.8	1.5	1.5	1.5	1.7
Cholecystectomy	*0.2	*0.3	0.5	0.5	0.5	0.4	0.5	0.4	0.5
Reduction of fracture	1.0	1.0	1.4	2.3	2.5	2.4	2.2	2.1	2.0
Arthroscopy of the knee	3.5	4.0	3.4	0.5	0.3	*0.2	*	*	*
Excision or destruction of intervertebral disc	*	*	*0.3	1.7	1.5	1.4	1.4	1.3	1.2
Angiocardiology with contrast material	0.7	0.4	0.6	1.8	1.8	1.8	1.7	1.6	1.5
45–64 years ⁶	132.7	146.8	155.9	189.0	180.7	185.9	177.9	165.8	161.5
Coronary angioplasty	*	*	*	5.6	5.6	6.4	7.2	5.7	5.7
Coronary artery bypass graft ⁷	—	—	—	6.7	7.6	7.2	6.2	5.6	5.1
Cardiac catheterization	3.3	3.8	5.4	11.7	11.7	12.7	12.6	11.4	10.0
Endoscopy of small or large intestine with or without biopsy	20.2	21.1	21.8	7.2	6.5	6.4	5.8	6.0	6.1
Cholecystectomy	*0.5	*0.7	1.1	2.1	1.8	2.1	1.7	1.6	1.5
Prostatectomy	*	*	*	2.5	2.2	1.9	1.7	1.6	1.8
Reduction of fracture	*0.6	*0.8	0.8	2.3	2.3	2.0	1.9	1.9	2.0
Arthroscopy of the knee	3.7	4.5	4.4	*0.3	*	*	*	*	*
Excision or destruction of intervertebral disc	*	*	*	2.6	2.2	2.6	2.4	2.2	2.1
Angiocardiology with contrast material	4.6	5.1	6.4	16.0	15.8	17.7	15.7	14.7	11.9
65–74 years ⁶	271.6	282.5	316.4	426.4	419.5	417.7	417.1	388.6	376.3
Coronary angioplasty	*	*	*	10.0	9.4	11.7	12.6	12.2	12.0
Extraction of lens	31.6	33.4	36.9	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	25.8	26.0	29.6	*	*	*	*	*	*
Coronary artery bypass graft ⁷	—	—	—	15.4	18.3	19.2	15.9	13.5	14.2
Cardiac catheterization	5.7	7.1	10.2	22.3	23.6	23.1	24.1	22.4	22.9
Pacemaker insertion or replacement	*	*	*	5.6	4.8	5.7	5.0	4.4	4.2
Carotid endarterectomy	*	—	*	3.3	4.2	3.9	3.1	3.0	2.7
Endoscopy of small or large intestine with or without biopsy	42.6	42.8	40.2	18.4	16.5	16.6	17.1	16.6	16.8
Cholecystectomy	*	*	*	4.5	4.4	4.0	3.7	3.8	3.6
Prostatectomy	*	*	*1.5	14.2	12.3	10.3	9.1	8.6	7.4
Reduction of fracture	*	*	*	2.8	2.5	2.4	2.8	2.8	3.0
Total hip replacement	—	—	—	1.7	2.5	2.3	2.5	2.7	1.9
Angiocardiology with contrast material	9.0	9.3	13.5	31.0	30.5	29.7	30.3	28.0	27.6
75 years and over ⁶	339.2	355.1	378.7	584.1	567.2	578.9	593.3	548.1	564.6
Coronary angioplasty	*	—	*	6.5	8.2	7.4	10.9	10.3	12.0
Extraction of lens	61.7	71.5	71.6	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	47.9	53.6	55.1	*	*	*	*	*	*
Coronary artery bypass graft ⁷	—	—	—	10.7	12.5	11.6	11.5	12.4	11.4
Cardiac catheterization	*3.8	4.7	7.1	18.1	19.2	19.7	21.4	21.5	22.5
Pacemaker insertion or replacement	*	*	*	15.4	15.4	16.4	13.9	14.6	20.0
Carotid endarterectomy	*	—	—	3.6	4.6	4.6	4.2	4.3	4.9
Endoscopy of small or large intestine with or without biopsy	43.2	43.4	48.9	35.9	36.4	35.2	33.6	33.0	38.8
Cholecystectomy	*	*	*	6.2	5.5	5.8	4.5	4.6	5.9
Prostatectomy	*2.1	*2.3	*2.2	16.1	15.3	12.3	10.8	10.2	10.7
Reduction of fracture	*	*	*	6.4	6.4	6.6	6.3	6.6	6.4
Total hip replacement	—	—	—	2.2	2.1	2.2	2.5	1.8	2.3
Angiocardiology with contrast material	*3.8	5.5	10.3	24.2	24.0	25.9	25.5	27.0	25.5

See footnotes at end of table.

Table 94 (page 2 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2001

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory ¹			Inpatient ²				2000 ³	2001 ⁴
	1994	1995	1996	1994	1995	1996	1999		
Female									
Procedures per 1,000 population									
All ages ^{5,6}	114.2	120.1	126.1	179.2	172.7	173.0	171.5	163.4	167.0
Under 18 years ⁶	35.3	34.3	34.8	40.3	39.0	38.4	38.0	34.6	36.7
Myringotomy with insertion of tube	6.7	6.3	5.6	0.4	0.3	*0.3	*	*0.2	*0.2
Tonsillectomy, with or without adenoidectomy	4.8	4.4	4.7	0.5	0.4	0.3	*0.2	*0.2	*0.1
Reduction of fracture	*0.5	0.7	0.8	0.8	0.7	0.5	0.5	0.7	0.7
18–44 years ⁶	94.9	96.9	102.2	203.6	195.4	195.0	185.8	184.0	189.5
Cardiac catheterization	*	*0.2	*0.3	0.5	0.5	0.4	0.6	0.6	0.5
Endoscopy of small or large intestine with or without biopsy	6.6	7.4	8.4	2.1	1.9	1.9	1.7	1.7	1.8
Cholecystectomy	1.4	1.9	2.2	2.2	2.4	2.0	1.8	1.9	2.2
Bilateral destruction or occlusion of fallopian tubes	5.6	6.4	5.7	6.6	5.9	6.2	5.9	5.7	5.8
Hysterectomy	*	*0.3	*0.2	5.4	5.9	5.6	5.7	5.7	5.9
Cesarean section ⁸	–	–	–	15.0	13.8	14.6	14.7	15.0	17.0
Repair of current obstetrical laceration	*	*	*	15.7	16.8	18.3	19.4	19.6	20.4
Reduction of fracture	0.4	0.5	0.5	1.1	1.1	1.1	1.1	0.9	1.0
Arthroscopy of the knee	1.8	2.0	2.0	0.2	*0.1	*0.1	*	*	*
Excision or destruction of intervertebral disc	*	*	*	1.2	0.9	1.0	1.0	0.9	0.9
Lumpectomy	2.5	2.0	2.2	*0.1	*0.1	*	*	*	*
Mastectomy	*	*	*	0.3	0.2	0.2	0.2	0.2	0.3
45–64 years ⁶	155.5	165.9	173.2	173.4	162.6	162.2	160.9	147.7	151.7
Coronary angioplasty	*	*	*	2.1	2.0	2.0	2.6	2.1	2.1
Coronary artery bypass graft ⁷	–	–	–	2.0	1.7	2.0	1.8	1.4	1.8
Cardiac catheterization	2.2	2.0	2.4	6.0	5.4	6.0	6.1	5.4	5.8
Endoscopy of small or large intestine with or without biopsy	22.1	24.3	22.9	6.5	6.2	5.6	5.9	5.4	5.4
Cholecystectomy	1.8	2.3	3.3	3.7	3.5	3.4	2.9	2.5	2.5
Hysterectomy	*	*	*	7.2	7.1	7.9	7.9	7.9	7.8
Reduction of fracture	*0.7	*0.7	0.8	2.2	2.2	2.3	2.0	2.1	2.0
Arthroscopy of the knee	2.8	3.4	3.5	*	*	*	*	*	*
Excision or destruction of intervertebral disc	*	*	*	2.0	1.6	1.8	2.1	1.9	1.9
Lumpectomy	4.9	5.0	4.6	0.5	0.4	0.4	*0.3	0.4	*0.2
Mastectomy	*	*	*0.4	1.6	1.5	1.3	1.1	1.1	1.1
Angiocardiology with contrast material	3.0	2.7	3.3	8.5	8.1	8.4	8.5	7.6	7.5
65–74 years ⁶	254.6	272.5	291.9	328.3	326.1	334.4	340.8	318.8	329.8
Coronary angioplasty	*	*	*	4.9	4.6	5.7	6.3	6.3	5.8
Extraction of lens	41.8	48.3	47.8	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	33.5	35.7	35.9	*	*	*	*	*	*
Coronary artery bypass graft ⁷	–	–	–	5.1	6.1	6.7	6.5	5.1	4.7
Cardiac catheterization	3.3	3.6	5.4	12.6	12.4	14.7	15.0	13.5	13.1
Pacemaker insertion or replacement	*	*	*	4.3	3.9	3.7	5.6	3.8	4.3
Carotid endarterectomy	–	–	–	1.7	2.3	2.2	2.6	2.0	2.0
Endoscopy of small or large intestine with or without biopsy	39.0	41.0	45.5	16.1	18.2	14.7	18.2	18.1	18.0
Cholecystectomy	*1.3	*1.6	2.3	5.1	4.6	4.7	4.7	4.6	4.2
Hysterectomy	*	*	*	4.7	4.3	3.7	3.6	3.7	4.0
Reduction of fracture	*	*	*	4.7	4.4	5.0	4.4	4.9	5.2
Total hip replacement	–	–	*	2.6	2.7	2.9	3.3	2.5	2.8
Lumpectomy	4.4	4.7	4.9	*	*	*0.6	*	*0.7	*
Mastectomy	*	*	*	2.8	2.3	2.3	2.1	2.3	2.0
Angiocardiology with contrast material	4.8	5.0	6.9	18.0	17.5	20.3	19.9	17.5	17.9

See footnotes at end of table.

Table 94 (page 3 of 3). Ambulatory and inpatient procedures according to place, sex, age, and type of procedure: United States, selected years 1994–2001

[Data are based on a sample of inpatient and ambulatory surgery records]

Sex, age, and procedure category	Ambulatory ¹			Inpatient ²				2000 ³	2001 ⁴
	1994	1995	1996	1994	1995	1996	1999		
Female—Con.	Procedures per 1,000 population								
75 years and over ⁶	274.3	304.6	319.3	476.8	468.0	468.4	503.0	467.4	455.7
Coronary angioplasty	*	*	*	4.0	4.2	4.3	6.0	6.0	5.9
Extraction of lens	70.6	82.0	82.6	*	*	*	*	*	*
Insertion of prosthetic lens (pseudophakos)	54.5	61.3	61.4	*	*	*	*	*	*
Coronary artery bypass graft ⁷	—	—	—	3.4	4.1	4.6	5.8	4.4	3.8
Cardiac catheterization	*1.5	*1.8	3.5	10.4	11.3	11.6	14.0	13.5	13.9
Pacemaker insertion or replacement	*	*	*1.1	11.5	10.1	11.3	10.4	10.3	10.8
Carotid endarterectomy	—	*	—	2.0	2.0	2.3	2.1	1.9	2.3
Endoscopy of small or large intestine with or without biopsy	34.5	39.3	38.6	36.0	35.0	33.2	38.2	35.8	35.6
Cholecystectomy	*	*	*1.2	4.3	5.5	5.0	5.3	4.1	4.9
Hysterectomy	—	*	*	2.4	2.4	2.7	2.3	2.3	2.1
Reduction of fracture	*	*	*	13.9	14.6	16.9	16.0	14.4	14.4
Total hip replacement	—	*	*	3.2	3.3	3.5	3.3	2.9	3.9
Lumpectomy	2.7	2.5	2.9	*	*0.7	*	*	*0.6	*
Mastectomy	*	*	*	2.4	2.6	1.8	2.0	2.0	2.0
Angiocardigraphy with contrast material	2.3	*2.1	5.5	14.5	15.6	15.6	17.8	17.4	18.8

* Estimates are considered unreliable. Rates for inpatient procedures preceded by an asterisk are based on 5,000–8,999 estimated procedures; those based on fewer than 5,000 are not shown. Rates for ambulatory surgery preceded by an asterisk are based on 10,000–19,999 estimated procedures; those based on fewer than 10,000 are not shown. Estimates that are not shown generally have a relative standard error of more than 30 percent.

— Quantity zero.

¹Data are from the National Survey of Ambulatory Surgery (conducted from 1994–96) and exclude ambulatory surgery procedures for patients who became inpatients. See Appendix II, Ambulatory surgery.

²Inpatient data are from the National Hospital Discharge Survey and exclude newborn infants.

³The civilian population estimates used to compute rates for 2000 differ from those used in *Health, United States, 2002*. Rates for 2000 were computed using Census 2000 counts, while in the previous edition of *Health, United States*, rates for 2000 were computed using 1990-based postcensal estimates.

⁴Rates for 2001 were computed using 2000-based postcensal estimates.

⁵Estimates are age adjusted to the year 2000 standard population using six age groups: under 18 years, 18–44 years, 45–54 years, 55–64 years, 65–74 years, and 75 years and over. See Appendix II, Age adjustment.

⁶Includes procedures not listed in table.

⁷Data in the main body of the table are for all-listed coronary artery bypass grafts. Often, more than one coronary bypass procedure is performed during a single operation. The following table gives additional information based on the number of inpatient discharges with one or more coronary artery bypass grafts.

Sex and age	1994	1995	1996	1997	1998	1999	2000 ³	2001 ⁴
	Inpatient discharges per 1,000 population							
Male:								
45–64 years	4.1	4.5	4.2	4.0	3.9	3.6	3.3	3.0
65–74 years	9.4	11.2	11.5	11.1	9.2	10.0	8.0	8.3
75 years and over	7.6	8.9	7.6	6.9	8.1	7.5	7.8	6.8
Female:								
45–64 years	1.3	1.0	1.2	1.2	1.0	1.1	0.9	1.1
65–74 years	3.3	3.8	4.1	4.5	3.6	4.4	3.3	2.9
75 years and over	2.3	3.0	3.3	3.4	3.0	3.7	2.8	2.4

⁸Cesarean sections accounted for 22.0 percent of deliveries in 1994, 20.8 percent in 1995, 21.8 percent in 1996, 21.5 percent in 1997, 22.5 percent in 1998, 22.1 percent in 1999, 22.9 percent in 2000, and 25.3 percent in 2001.

NOTES: Data in this table are for up to four procedures for inpatients and up to six procedures for ambulatory surgery patients. See Appendix II, Procedure. Procedure categories are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification*. For a listing of the code numbers, see Appendix II, table X. Rates are based on the civilian population as of July 1. Rates for 1990–99 use population estimates based on the 1990 census adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Bureau of the Census. Rates for 1990–99 are not strictly comparable with rates for 2000 and 2001 because population estimates for 1990–99 have not been revised to reflect Census 2000. See Appendix I, National Hospital Discharge Survey. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics, National Hospital Discharge Survey and National Survey of Ambulatory Surgery.