

Number, rate, and *standard error* of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by selected procedure categories: United States, 2010

[Discharges of inpatients from nonfederal hospitals. Excludes newborn infants. Procedure groupings and code numbers are based on the *International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM)*]

Procedure category and ICD-9-CM code	Number in thousands	Rate per 10,000 population \1	
Surgical procedures \2	30,194	980.9	
Cesarean section	74.0-74.2,74.4,74.99	1,325	43.0
Repair of current obstetric laceration	75.5-75.6	1,292	41.9
Artificial rupture of membranes	73.0	1,047	34.0
Cardiac catheterization	37.21-37.23	1,029	33.4
Total knee replacement	81.54	719	23.3
Reduction of fracture	76.7,79.0-79.3	671	21.8
Open reduction of fracture with internal fixation	79.3	438	14.2
Endoscopy of small intestine with biopsy	45.14,45.16	651	21.2
Balloon angioplasty of coronary artery or coronary atherectomy	00.66	500	16.2
Hysterectomy	68.3-68.7,68.9	498	16.2
Insertion of coronary artery stent(s)	36.06-36.07	454	14.7
Cholecystectomy	51.2	429	13.9
Coronary artery bypass graft	36.1	395	12.8
Insertion, replacement, removal, and revision of pacemaker leads or device	37.7-37.8,00.50,00.53,00.57	370	12.0
Lysis of peritoneal adhesions	54.5	356	11.6
Excision or destruction of intervertebral disc	80.5	342	11.1
Total hip replacement	81.51,00.85	332	10.8
Oophorectomy and salpingo-oophorectomy	65.3-65.6	325	10.5
Partial excision of bone	76.2-76.3,77.6-77.8	321	10.4
Episiotomy with or without forceps or vacuum extraction	72.1,72.21,72.31,72.71,73.6	320	10.4
Debridement of wound, infection, or burn	86.22,86.28	306	10.0
Appendectomy, excluding incidental	47.0	305	9.9
Bilateral destruction or occlusion of fallopian tubes	66.2-66.3	261	8.5
Partial excision of large intestine	45.7,17.3	247	8.0
Bronchoscopy with biopsy	33.24,33.27,33.71-33.73,33.78-33.79	230	7.5
Endoscopy of large intestine with biopsy	45.25	222	7.2
Prostatectomy	60.2-60.6	138	4.5
Cystoscopy with biopsy	57.33	10	0.3
Nonsurgical procedures \3	21,236	689.9	
Transfusion of blood and blood components	99.0	2,767	89.9
Arteriography and angiocardiology using contrast material	88.4-88.5	2,390	77.7
Respiratory therapy	93.9,96.7,00.12	1,433	46.6
Diagnostic ultrasound \4	88.7	1,005	32.6
Medical induction of labor	73.4	762	24.8
Hemodialysis	39.95	716	23.3
Insertion of endotracheal tube	96.04	675	21.9
Computerized axial tomography	87.03,87.41,87.71,88.01,88.38	595	19.3
Endoscopy of small intestine without biopsy	45.11-45.13	455	14.8

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Spinal tap	03.31	303	9.8
Endoscopy of large intestine without biopsy	45.21-45.24	277	9.0
Physical therapy procedures	93.1-93.3	250	8.1
Injection or infusion of cancer chemotherapeutic substance \4	99.25	220	7.1
Cystoscopy without biopsy	57.31-57.32	164	5.3
Bronchoscopy without biopsy	33.21-33.23	117	3.8
<i>Standard error</i>			
Surgical procedures \2	3,453.8	112.2	
Cesarean section	74.0-74.2,74.4,74.99	153.1	5.0
Repair of current obstetric laceration	75.5-75.6	143.4	4.7
Artificial rupture of membranes	73.0	154.6	5.0
Cardiac catheterization	37.21-37.23	135.8	4.4
Total knee replacement	81.54	102.7	3.3
Reduction of fracture	76.7,79.0-79.3	93.8	3.0
Open reduction of fracture with internal fixation	79.3	65.3	2.1
Endoscopy of small intestine with biopsy	45.14,45.16	74.3	2.4
Balloon angioplasty of coronary artery or coronary atherectomy	00.66	73.6	2.4
Hysterectomy	68.3-68.7,68.9	64.6	2.1
Insertion of coronary artery stent(s)	36.06-36.07	69.5	2.3
Cholecystectomy	51.2	46.6	1.5
Coronary artery bypass graft	36.1	63.4	2.1
Insertion, replacement, removal, and revision of pacemaker leads or device	37.7-37.8,00.50,00.53,00.57	53.3	1.7
Lysis of peritoneal adhesions	54.5	43.3	1.4
Excision or destruction of intervertebral disc	80.5	56.2	1.8
Total hip replacement	81.51,00.85	52.3	1.7
Oophorectomy and salpingo-oophorectomy	65.3-65.6	41.0	1.3
Partial excision of bone	76.2-76.3,77.6-77.8	60.7	2.0
Episiotomy with or without forceps or vacuum extraction	72.1,72.21,72.31,72.71,73.6	43.3	1.4
Debridement of wound, infection, or burn	86.22,86.28	44.2	1.4
Appendectomy, excluding incidental	47.0	46.4	1.5
Bilateral destruction or occlusion of fallopian tubes	66.2-66.3	37.4	1.2
Partial excision of large intestine	45.7,17.3	29.5	1.0
Bronchoscopy with biopsy	33.24,33.27,33.71-33.73,33.78-33.79	35.5	1.2
Endoscopy of large intestine with biopsy	45.25	28.6	0.9
Prostatectomy	60.2-60.6	23.6	0.8
Cystoscopy with biopsy	57.33	2.2	0.1
Nonsurgical procedures \3	2,286.6	74.3	
Transfusion of blood and blood components	99.0	327.2	10.6
Arteriography and angiocardiology using contrast material	88.4-88.5	318.1	10.3
Respiratory therapy	93.9,96.7,00.12	166.4	5.4
Diagnostic ultrasound \4	88.7	187.6	6.1

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Procedure category and ICD-9-CM code	Number in thousands	Rate per 10,000 population \1
Medical induction of labor	73.4	3.4
Hemodialysis	39.95	2.8
Insertion of endotracheal tube	96.04	2.4
Computerized axial tomography	87.03,87.41,87.71,88.01,88.38	6.5
Endoscopy of small intestine without biopsy	45.11-45.13	1.7
Spinal tap	03.31	1.8
Endoscopy of large intestine without biopsy	45.21-45.24	1.0
Physical therapy procedures	93.1-93.3	2.3
Injection or infusion of cancer chemotherapeutic substance \4	99.25	1.2
Cystoscopy without biopsy	57.31-57.32	0.8
Bronchoscopy without biopsy	33.21-33.23	0.6

\1 Rates were calculated using U.S. Census Bureau 2000-based postcensal estimates of the civilian population as of July 1, 2010.

\2 Includes data for surgical procedures not shown in table. All procedures except those listed under "nonsurgical procedures" in the note below are surgical procedures.

\3 Includes data for nonsurgical procedures not shown in table. The ICD-9-CM codes for nonsurgical procedures are listed in the note below.

\4 Estimates and rates of nonsurgical procedures for these categories differ from estimates and rates for the same categories included in other tables or reports showing all-listed procedures because these categories include both surgical and nonsurgical procedure codes.

NOTE: All procedures except the following ICD-9-M codes are surgical procedures:

00.01, 00.02, 00.03, 00.09, 00.11, 00.12, 00.13, 00.14, 00.15, 00.17, 00.18, 00.19, 00.49, 00.58, 00.59, 00.67, 00.68, 00.69, 01.18, 01.19, 03.31, 03.39, 04.19, 05.19, 06.19, 07.19, 08.19, 09.19, 09.41, 09.42, 09.43, 09.44, 09.49, 10.29, 11.29, 12.29, 14.19, 15.09, 16.21, 16.29, 17.61, 17.62, 17.63, 17.69, 17.70, 18.01, 18.11, 18.19, 20.31, 20.39, 21.00, 21.01, 21.02, 21.21, 21.29, 22.19, 24.19, 25.09, 26.19, 27.29, 28.19, 29.11, 29.19, 31.41, 31.42, 31.48, 31.49, 33.21, 33.22, 33.23, 33.29, 33.72, 34.21, 34.22, 34.28, 34.29, 37.20, 37.26, 37.27, 37.28, 37.29, 38.23, 38.24, 38.25, 38.29, 39.75, 39.76, 39.95, 40.19, 41.38, 41.39, 42.22, 42.23, 42.29, 44.11, 44.12, 44.13, 44.19, 44.32, 45.11, 45.12, 45.13, 45.19, 45.21, 45.22, 45.23, 45.24, 45.28, 45.29, 46.86, 46.87, 48.21, 48.22, 48.23, 48.29, 49.21, 49.29, 50.19, 51.10, 51.11, 51.19, 52.19, 54.21, 54.29, 55.21, 55.22, 55.29, 56.31, 56.35, 56.39, 57.31, 57.32, 57.39, 57.94, 57.95, 58.21, 58.22, 58.29, 59.29, 60.18, 60.19, 61.19, 62.19, 63.09, 64.19, 64.94, 65.19, 66.19, 67.19, 68.11, 68.19, 69.92, 70.21, 70.22, 70.29, 71.19, 73.4-, 73.51, 73.59, 73.91, 73.92, 75.31, 75.32, 75.34, 75.35, 75.38, 75.94, 76.19, 78.80, 78.81, 78.82, 78.83, 78.84, 78.85, 78.86, 78.87, 78.88, 78.89, 80.20, 80.21, 80.22, 80.23, 80.24, 80.25, 80.26, 80.27, 80.28, 80.29, 81.98, 83.29, 84.41, 84.42, 84.43, 84.45, 84.46, 84.47, 85.19, 86.19, 86.92, 87.01-99.99.

NOTE: Users should be aware that some estimates of all-listed procedures in 2010 may exhibit marked increases if compared with prior years, due to the expansion of procedure codes collected from 4 to 8.

SOURCE: CDC/NCHS National Hospital Discharge Survey, 2010.

More information about survey methodology can be found at:

ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHDS/NHDS_2010_Documentation.pdf.