

Table 29

**Discharges, Total Days of Care, and Average Charge per Discharge for Medicare Beneficiaries  
Discharged from Short-Stay Hospitals, by Leading Diagnosis-Related Groups (DRGs) for 2002:  
Calendar Years 1984, 1990, and 2002**

Leading DRG Code Number in 2002		Discharges					
		Number			Percent Change	Percent Change	Percent Change
		1984	1990	2002	1984-1990	1990-2002	1984-2002
Description							
Total All DRGs	-----	10,894,925	10,521,925	12,607,370	-3.4	19.8	15.7
Leading DRGs <sup>1</sup>	-----	6,260,055	6,701,780	9,171,240	7.1	36.8	46.5
005 <sup>2</sup>	Extracranial Vascular Procedures	56,890	46,340	96,175	-18.5	107.5	69.1
012	Degenerative Nervous System Disorders	56,410	25,915	79,570	-54.1	207.0	41.1
014	Specific Cerebrovascular Disorders Except TIA	318,405	336,080	301,550	5.6	-10.3	-5.3
015	Transient Ischemic Attack & Precerebral Occlusions	175,530	135,850	134,075	-22.6	-1.3	-23.6
024	Seizure & Headache Age >17 with CC	55,510	53,255	60,900	-4.1	14.4	9.7
075 <sup>2</sup>	Major Chest Procedures	28,675	31,690	44,975	10.5	41.9	56.8
076 <sup>2</sup>	Other Respiratory System O.R. Procedures with CC	10,055	38,855	45,570	286.4	17.3	353.2
079	Respiratory Infections & Inflammations Age >17 with CC	51,635	129,780	171,965	151.3	32.5	233.0
082	Respiratory Neoplasms	120,990	72,840	66,040	-39.8	-9.3	-45.4
087	Pulmonary Edema & Respiratory Failure	94,770	67,520	62,460	-28.8	-7.5	-34.1
088	Chronic Obstructive Pulmonary Disease	212,480	144,825	411,815	-31.8	184.4	93.8
089	Simple Pneumonia & Pleurisy Age >17 with CC	314,980	391,725	539,075	24.4	37.6	71.1
090	Simple Pneumonia & Pleurisy Age >17 without CC	24,740	53,105	48,565	114.7	-8.5	96.3
096	Bronchitis & Asthma Age >17 with CC	178,075	189,710	57,245	6.5	-69.8	-67.9
107 <sup>2,3</sup>	Coronary Bypass Without Cardiac Cath	38,285	46,765	-----	22.1	-----	-----
107 <sup>2,4</sup>	Coronary Bypass With Cardiac Cath	-----	-----	83,790	-----	-----	-----
109 <sup>2,4</sup>	Coronary Bypass Without Cardiac Cath	-----	-----	58,070	-----	-----	-----
110 <sup>2</sup>	Major Cardiovascular Procedures with CC	56,230	75,660	55,860	34.6	-26.2	-0.7
116 <sup>2</sup>	Other Perm Cardiac Pacemaker Implant	53,905	62,050	117,330	15.1	89.1	117.7
121	Circulatory Disorders with AMI & Major Comp Disch Alive	102,930	137,625	166,560	33.7	21.0	61.8
122	Circulatory Disorders with AMI & Without Major Comp Disch Alive	158,400	102,935	76,305	-35.0	-25.9	-51.8
124	Circulatory Disorders Except AMI, with Card Cath and Complex Diagnosis	31,120	113,890	134,830	266.0	18.4	333.3
125	Circulatory Disorders Except AMI, with Card Cath Without Complex Diagnosis	64,085	93,045	95,325	45.2	2.5	48.7

See footnotes at end of table.

Table 29—Continued

**Discharges, Total Days of Care, and Average Charge per Discharge for Medicare Beneficiaries  
Discharged from Short-Stay Hospitals, by Leading Diagnosis-Related Groups (DRGs) for 2002:  
Calendar Years 1984, 1990, and 2002**

	Average Total Days of Care per Discharge						Average Charge Per Discharge					
	Number of Days			Percent Change	Percent Change	Percent Change	Amount			Percent Change	Percent Change	Percent Change
	1984	1990	2002	1984-1990	1990-2002	1984-2002	1984	1990	2002	1984-1990	1990-2002	1984-2002
8.8	8.8	5.9	0.0	-33.0	-33.0	\$4,855	\$9,765	\$21,555	101.1	120.7	344.0	
9.4	9.1	6.0	-3.2	-34.1	-36.2	5,031	9,527	20,957	89.4	120.0	316.6	
9.5	7.1	3.0	-25.3	-57.7	-68.4	7,078	11,238	19,435	58.8	72.9	174.6	
13.0	13.0	8.1	0.0	-37.7	-37.7	5,239	9,022	14,763	72.2	63.6	181.8	
12.4	10.5	5.8	-15.3	-44.8	-53.2	5,591	8,971	17,691	60.5	97.2	216.4	
6.1	5.5	3.7	-9.8	-32.7	-39.3	2,603	4,609	11,507	77.1	149.7	342.1	
6.9	7.7	4.8	11.6	-37.7	-30.4	3,422	7,389	15,171	115.9	105.3	343.3	
16.3	14.1	9.9	-13.5	-29.8	-39.3	13,500	22,075	45,213	63.5	104.8	234.9	
15.4	15.0	11.1	-2.6	-26.0	-27.9	12,061	17,221	43,246	42.8	151.1	258.6	
12.8	12.2	8.5	-4.7	-30.3	-33.6	8,385	12,281	23,706	46.5	93.0	182.7	
9.7	9.6	6.9	-1.0	-28.1	-28.9	4,860	8,785	20,405	80.8	132.3	319.9	
10.0	8.3	6.3	-17.0	-24.1	-37.0	7,731	9,294	19,008	20.2	104.5	145.9	
8.6	7.4	5.0	-14.0	-32.4	-41.9	4,709	6,932	12,931	47.2	86.5	174.6	
9.4	8.9	5.8	-5.3	-34.8	-38.3	4,863	7,889	14,949	62.2	89.5	207.4	
8.3	6.4	4.0	-22.9	-37.5	-51.8	4,084	4,817	8,760	17.9	81.9	114.5	
7.2	7.3	4.6	1.4	-37.0	-36.1	3,501	6,361	10,866	81.7	70.8	210.4	
14.5	12.3	-----	-15.2	-----	-----	21,949	33,394	-----	52.1	-----	-----	
-----	-----	10.5	-----	-----	-----	-----	-----	80,210	-----	-----	-----	
-----	-----	7.8	-----	-----	-----	-----	-----	59,825	-----	-----	-----	
16.3	15.3	8.7	-6.1	-43.1	-46.6	15,072	27,264	60,579	80.9	122.2	301.9	
9.2	7.5	4.4	-18.5	-41.3	-52.2	12,002	17,112	34,543	42.6	101.9	187.8	
12.2	10.0	6.3	-18.0	-37.0	-48.4	7,341	11,335	22,408	54.4	97.7	205.2	
10.3	7.1	3.5	-31.1	-50.7	-66.0	5,422	7,970	14,045	47.0	76.2	159.0	
7.0	5.9	4.4	-15.7	-25.4	-37.1	5,703	8,719	21,107	52.9	142.1	270.1	
3.7	3.2	2.8	-13.5	-12.5	-24.3	3,220	5,370	16,284	66.8	203.2	405.7	

Table 29—Continued

**Discharges, Total Days of Care, and Average Charge per Discharge for Medicare Beneficiaries  
Discharged from Short-Stay Hospitals, by Leading Diagnosis-Related Groups (DRGs) for 2002:  
Calendar Years 1984, 1990, and 2002**

		Discharges					
Leading DRG Code Number in 2002	Description	Number			Percent Change 1984-1990	Percent Change 1990-2002	Percent Change 1984-2002
		1984	1990	2002			
127	Heart Failure & Shock	515,865	586,335	681,090	13.7	16.2	32.0
130	Peripheral Vascular Disorders with CC	91,655	68,330	90,930	-25.4	33.1	-0.8
132	Atherosclerosis with CC	100,810	18,250	138,365	-81.9	658.2	37.3
138	Cardiac Arrhythmia & Conduction Disorders with CC	212,265	180,470	212,860	-15.0	17.9	0.3
139	Cardiac Arrhythmia & Conduction Disorders Without CC	28,345	73,020	87,765	157.6	20.2	209.6
140	Angina Pectoris	330,000	352,355	54,115	6.8	-84.6	-83.6
141	Syncope & Collapse with CC	86,675	77,205	110,970	-10.9	43.7	28.0
142	Syncope & Collapse Without CC	11,315	39,370	52,905	247.9	34.4	367.6
143	Chest Pain	75,690	112,905	252,585	49.2	123.7	233.7
144	Other Circulatory System Diagnoses with CC	40,825	54,995	97,250	34.7	76.8	138.2
148 <sup>2</sup>	Major Small & Large Bowel Procedures with CC	106,455	140,245	137,130	31.7	-2.2	28.8
174	GI Hemorrhage with CC	144,620	157,895	256,020	9.2	62.1	77.0
180	GI Obstruction with CC	65,930	66,485	91,805	0.8	38.1	39.2
182	Esophagitis, Gastroent & Misc Digest Disorders Age >17 with CC	372,580	254,750	284,625	-31.6	11.7	-23.6
183	Esophagitis, Gastroent & Misc Digest Disorders Age >17 Without CC	72,525	81,770	92,340	12.7	12.9	27.3
188	Other Digestive System Diagnoses Age >17 with CC	54,075	50,110	86,320	-7.3	72.3	59.6
204	Disorders of Pancreas Except Malignancy	31,890	37,715	68,505	18.3	81.6	114.8
209 <sup>2</sup>	Major Joint & Limb Reattachment Procedures of Lower Extremity	149,660	257,780	405,120	72.2	57.2	170.7
210 <sup>2</sup>	Hip & Femur Procedures Except Major Joint Age >17 with CC	120,100	112,470	123,945	-6.4	10.2	3.2
236	Fractures of Hip & Pelvis	47,350	41,255	42,530	-12.9	3.1	-10.2
239	Pathological Fractures & Musculoskeletal & Conn Tiss Malignancy	61,760	60,890	47,525	-1.4	-21.9	-23.0
243	Medical Back Problems	200,190	112,455	98,215	-43.8	-12.7	-50.9
277	Cellulitis Age >17 with CC	58,155	66,830	104,535	14.9	56.4	79.8

See footnotes at end of table.

Table 29—Continued

**Discharges, Total Days of Care, and Average Charge per Discharge for Medicare Beneficiaries  
Discharged from Short-Stay Hospitals, by Leading Diagnosis-Related Groups (DRGs) for 2002:  
Calendar Years 1984, 1990, and 2002**

	Average Total Days of Care per Discharge						Average Charge Per Discharge					
	Number of Days			Percent Change	Percent Change	Percent Change	Amount			Percent Change	Percent Change	Percent Change
	1984	1990	2002	1984-1990	1990-2002	1984-2002	1984	1990	2002	1984-1990	1990-2002	1984-2002
8.7	7.9	5.3	-9.2	-32.9	-39.1	\$4,264	\$7,207	\$15,144	69.0	110.1	255.2	
8.1	8.3	5.6	2.5	-32.5	-30.9	3,523	6,627	13,831	88.1	108.7	292.6	
7.0	6.1	2.9	-12.9	-52.5	-58.6	3323	6229	9,222	87.5	48.0	177.5	
6.3	6.0	4.0	-4.8	-33.3	-36.5	3,376	5,848	12,133	73.2	107.5	259.4	
4.9	3.9	2.5	-20.4	-35.9	-49.0	2,685	3,624	7,634	35.0	110.7	184.3	
5.6	4.6	2.5	-17.9	-45.7	-55.4	2,821	4,311	7,644	52.8	77.3	171.0	
5.8	5.7	3.6	-1.7	-36.8	-37.9	2,672	4,987	11,197	86.6	124.5	319.0	
4.5	4.0	2.5	-11.1	-37.5	-44.4	2,207	3,554	8,767	61.0	146.7	297.2	
4.4	3.4	2.1	-22.7	-38.2	-52.3	2,427	3,577	8,164	47.4	128.2	236.4	
8.3	7.3	5.6	-12.0	-23.3	-32.5	4,765	7,867	18,823	65.1	139.3	295.0	
17.7	16.6	12.2	-6.2	-26.5	-31.1	12,686	23,471	49,706	85.0	111.8	291.8	
7.4	7.0	4.8	-5.4	-31.4	-35.1	3,860	6,944	14,776	79.9	112.8	282.8	
7.4	7.8	5.5	5.4	-29.5	-25.7	3,281	6,632	14,438	102.1	117.7	340.0	
6.1	6.4	4.4	4.9	-31.3	-27.9	2,526	5,374	11,917	112.7	121.8	371.8	
5.0	4.9	2.9	-2.0	-40.8	-42.0	2,103	3,630	8,317	72.6	129.1	295.5	
6.4	7.5	5.6	17.2	-25.3	-12.5	3,100	7,392	16,982	138.5	129.7	447.8	
8.1	8.1	5.8	0.0	-28.4	-28.4	4,050	8,099	17,234	100.0	112.8	325.5	
15.6	11.1	4.8	-28.8	-56.8	-69.2	10,205	16,542	28,994	62.1	75.3	184.1	
16.8	13.9	6.9	-17.3	-50.4	-58.9	8,600	14,236	26,594	65.5	86.8	209.2	
12.7	10.0	5.0	-21.3	-50.0	-60.6	4,573	6,530	10,876	42.8	66.6	137.8	
10.5	10.4	6.2	-1.0	-40.4	-41.0	3,989	7,605	15,201	90.6	99.9	281.1	
8.0	6.9	4.7	-13.8	-31.9	-41.3	2,858	4,657	11,047	62.9	137.2	286.5	
9.1	8.6	5.7	-5.5	-33.7	-37.4	3,740	6,570	13,191	75.7	100.8	252.7	

Table 29—Continued

**Discharges, Total Days of Care, and Average Charge per Discharge for Medicare Beneficiaries  
Discharged from Short-Stay Hospitals, by Leading Diagnosis-Related Groups (DRGs) for 2002:  
Calendar Years 1984, 1990, and 2002**

Leading DRG Code Number in 2002	Description	Discharges			Percent Change 1984-1990	Percent Change 1990-2002	Percent Change 1984-2002
		1984	1990	2002			
294	Diabetes Age >35	141,500	92,520	100,835	-34.6	9.0	-28.7
296	Nutritional & Misc Metabolic Disorders Age >17 with CC	176,150	206,595	282,735	17.3	36.9	60.5
297	Nutritional & Misc Metabolic Disorders Age >17 without CC	13,910	47,395	49,760	240.7	5.0	257.7
316	Renal Failure	46,410	48,670	127,195	4.9	161.3	174.1
320	Kidney & Urinary Tract Infections Age>17 with CC	137,845	157,780	195,795	14.5	24.1	42.0
331	Other Kidney & Urinary Tract Diagnoses Age>17 with CC	38,080	28,380	52,085	-25.5	83.5	36.8
395	Red Blood Cell Disorders Age >17	93,510	72,730	109,530	-22.2	50.6	17.1
415 <sup>2</sup>	OR Procedure for Infectious & Parasitic Diseases	16,165	27,735	45,320	71.6	63.4	180.4
416	Septicemia Age >17	66,180	128,085	199,250	93.5	55.6	201.1
429	Organic Disturbances & Mental Retardation	52,710	49,305	62,905	-6.5	27.6	19.3
430	Psychoses	118,455	195,595	336,215	65.1	71.9	183.8
462	Rehabilitation	9,490	106,680	295,250	1,024.1	176.8	3,011.2
468	Extensive OR Procedure Unrelated to Principal Diagnosis	166,815	75,885	60,655	-54.5	-20.1	-63.6
475	Respiratory System Diagnosis with Ventilator Support	---	78,805	112,870	---	43.2	---
478 <sup>2</sup>	Other Vascular Procedures with CC	---	24,230	109,640	---	352.5	---
483	Tracheostomy Except for Face, Mouth and Neck Diagnosis	---	8,045	46,410	---	476.9	---
493	Laparoscopic Cholecystectomy Without CDE with CC	---	---	61,265	---	---	---
500	Back and Neck Procedures Except Spinal Fusion Without CC	---	---	50,345	---	---	---
516	Percutaneous Cardiovascular Procedures with AMI	---	---	86,100	---	---	---
517	Percutaneous Cardiovascular Procedures with Coronary Artery Stent without AMI	---	---	212,350	---	---	---
518	Percutaneous Cardiovascular Procedures without Coronary Artery Stent or AMI	---	---	49,230	---	---	---
All Other DRGs		4,634,870	3,820,145	3,436,130	-17.6	-10.1	-25.9

<sup>1</sup>Based on frequency of occurrence in 2002.

<sup>2</sup>Represents surgical DRGs.

<sup>3</sup>Prior to 1999, DRG code 107 was defined as coronary bypass without cardiac cath.

<sup>4</sup>In 1999 the DRG code 107 was revised and defined as coronary bypass with cardiac cath. In addition, DRG code 109 was introduced and defined as coronary bypass without cardiac cath.

NOTES: Composition of some DRGs have changed over time. For complete DRG description, refer to *Diagnosis Related Groups, Version 3.0* (1984), *Version 7.0 and 8.0* (1990), *Versions 19.0 and 20.0* (2002), *Definitions Manual*. The most recent description is used in this table. TIA is transient ischemic attack. CC is complications and/or comorbidities. Cath is catheterization, AMI is acute myocardial infarction. CV is cardiovascular. Card is cardiac. G.I. is gastrointestinal. O.R. is operating room. CDE is common duct exploration. Conn is connective. Tiss is tissue. Resp is respiratory. Proc is procedure. PTCA is percutaneous transluminal coronary angioplasty. Perm is permanent. Comp is complications. Circ is circulatory.

SOURCE: Centers for Medicare & Medicaid Services, Office of Information Services: Data from the Medicare Data Extract System; data development by the Office of Research, Development, and Information.

**Table 29—Continued**

**Discharges, Total Days of Care, and Average Charge per Discharge for Medicare Beneficiaries Discharged from Short-Stay Hospitals, by Leading Diagnosis-Related Groups (DRGs) for 2002: Calendar Years 1984, 1990, and 2002**

	Average Total Days of Care per Discharge						Average Charge Per Discharge					
	Number of Days			Percent Change 1984-1990	Percent Change 1990-2002	Percent Change 1984-2002	Amount			Percent Change 1984-1990	Percent Change 1990-2002	Percent Change 1984-2002
	1984	1990	2002				1984	1990	2002			
!	8.4	7.5	4.5	-10.7	-40.0	-46.4	3,267	5,491	11,619	68.1	111.6	255.6
	8.4	8.5	5.0	1.2	-41.2	-40.5	3,556	6,840	12,634	92.4	84.7	255.3
	6.9	5.3	3.2	-23.2	-39.6	-53.6	3,032	3,724	7,423	22.8	99.3	144.8
	9.6	9.4	6.5	-2.1	-30.9	-32.3	5,572	9,555	19,493	71.5	104.0	249.8
	8.2	8.6	5.3	4.9	-38.4	-35.4	3,581	7,174	13,017	100.3	81.4	263.5
	7.3	7.6	5.6	4.1	-26.3	-23.3	3,456	7,338	16,344	112.3	122.7	372.9
	6.6	6.5	4.4	-1.5	-32.3	-33.3	3,000	5,639	12,670	88.0	124.7	322.3
	19.9	21.2	14.4	6.5	-32.1	-27.6	14,476	27,339	56,474	88.9	106.6	290.1
	11.4	10.7	7.5	-6.1	-29.9	-34.2	6,811	10,981	24,036	61.2	118.9	252.9
	11.3	14.5	9.6	28.3	-33.8	-15.0	3,717	8,417	14,566	126.4	73.1	291.9
	16.1	16.9	10.9	5.0	-35.5	-32.3	5,069	9,359	15,527	84.6	65.9	206.3
	22.5	21.2	12.0	-5.8	-43.4	-46.7	9,151	15,745	21,189	72.1	34.6	131.5
	16.6	19.3	12.6	16.3	-34.7	-24.1	10,595	24,871	54,615	134.7	119.6	415.5
	---	14.3	11.1	---	-22.4	---	---	25,548	54,178	---	112.1	---
	---	10.4	7.4	---	-28.8	---	---	16,682	36,567	---	119.2	---
	---	55.8	39.2	---	-29.7	---	---	125,493	229,540	---	82.9	---
	---	---	6.0	---	---	---	---	---	26,189	---	---	---
	---	---	2.4	---	---	---	---	---	13,883	---	---	---
	---	---	4.6	---	---	---	---	---	39,908	---	---	---
	---	---	2.5	---	---	---	---	---	31,409	---	---	---
	---	---	3.4	---	---	---	---	---	26,845	---	---	---
	8.1	8.4	5.6	3.7	-33.3	-30.9	4,611	10,221	22,790	121.7	123.0	394.3