

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 2001:
Calendar Years 1984, 1990, and 2001**

Leading DRG Code Number in 2001	Description	Discharges			Discharges		
		Number			Percent Change	Percent Change	Percent Change
		1984	1990	2001	1984-1990	1990-2001	1984-2001
Total All DRGs	-----	10,894,925	10,521,925	12,230,660	-3.4	16.2	12.3
Leading DRGs ¹	-----	6,324,165	6,908,915	8,945,970	9.2	29.5	41.5
005 ²	Extracranial Vascular Procedures	56,890	46,340	94,330	-18.5	103.6	65.8
012	Degenerative Nervous System Disorders	56,410	25,915	75,875	-54.1	192.8	34.5
014	Specific Cerebrovascular Disorders Except TIA	318,405	336,080	321,190	5.6	-4.4	0.9
015	Transient Ischemic Attack & Precerebral Occlusions	175,530	135,850	150,715	-22.6	10.9	-14.1
024	Seizure & Headache Age >17 with CC	55,510	53,255	57,505	-4.1	8.0	3.6
075 ²	Major Chest Procedures	28,675	31,690	41,595	10.5	31.3	45.1
076 ²	Other Respiratory System O.R. Procedures with CC	10,055	38,855	41,875	286.4	7.8	316.5
079	Respiratory Infections & Inflammations Age >17 with CC	51,635	129,780	168,150	151.3	29.6	225.7
082	Respiratory Neoplasms	120,990	72,840	64,895	-39.8	-10.9	-46.4
087	Pulmonary Edema & Respiratory Failure	94,770	67,520	58,960	-28.8	-12.7	-37.8
088	Chronic Obstructive Pulmonary Disease	212,480	144,825	398,115	-31.8	174.9	87.4
089	Simple Pneumonia & Pleurisy Age >17 with CC	314,980	391,725	508,475	24.4	29.8	61.4
090	Simple Pneumonia & Pleurisy Age >17 without CC	24,740	53,105	48,170	114.7	-9.3	94.7
096	Bronchitis & Asthma Age >17 with CC	178,075	189,710	53,585	6.5	-71.8	-69.9
107 ^{2,3}	Coronary Bypass Without Cardiac Cath	38,285	46,765	-----	22.1	-----	-----
107 ^{2,4}	Coronary Bypass With Cardiac Cath	-----	-----	85,110	-----	-----	-----
109 ^{2,4}	Coronary Bypass Without Cardiac Cath	-----	-----	58,530	-----	-----	-----
110 ²	Major Cardiovascular Procedures with CC	56,230	75,660	52,755	34.6	-30.3	-6.2
112 ²	Percutaneous Cardiovascular Procedures	37,355	163,040	47,490	336.5	-70.9	27.1
113 ²	Amputation for Circ System Disorders Except Upper Limb & Toe	22,500	34,710	41,215	54.3	18.7	83.2
116 ²	Other Perm Cardiac Pacemaker Implant or PTCA with Coronary Artery Stent Implant	53,905	62,050	310,565	15.1	400.5	476.1
121	Circulatory Disorders with AMI & Major Comp Disch Alive	102,930	137,625	164,960	33.7	19.9	60.3
122	Circulatory Disorders with AMI & Without Major Comp Disch Alive	158,400	102,935	80,730	-35.0	-21.6	-49.0
124	Circulatory Disorders Except AMI, with Card Cath and Complex Diagnosis	31,120	113,890	136,930	266.0	20.2	340.0
125	Circulatory Disorders Except AMI, with Card Cath Without Complex Diagnosis	64,085	93,045	92,235	45.2	-0.9	43.9

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 2001:
Calendar Years 1984, 1990, and 2001**

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	2001	1984-1990	1990-2001	1984-2001	1984	1990	2001	1984-1990	1990-2001	1984-2001
8.8	8.8	5.9	0.0	-33.0	-33.0	\$4,855	\$9,765	\$18,572	101.1	90.2	282.5
9.4	9.1	6.1	-3.2	-33.0	-35.1	5,031	9,527	18,226	89.4	91.3	262.3
9.5	7.1	3.0	-25.3	-57.7	-68.4	7,078	11,238	17,344	58.8	54.3	145.0
13.0	13.0	8.3	0.0	-36.2	-36.2	5,239	9,022	13,464	72.2	49.2	157.0
12.4	10.5	5.8	-15.3	-44.8	-53.2	5,591	8,971	15,217	60.5	69.6	172.2
6.1	5.5	3.5	-9.8	-36.4	-42.6	2,603	4,609	9,597	77.1	108.2	268.7
6.9	7.7	4.9	11.6	-36.4	-29.0	3,422	7,389	13,118	115.9	77.5	283.3
16.3	14.1	9.8	-13.5	-30.5	-39.9	13,500	22,075	40,036	63.5	81.4	196.6
15.4	15.0	11.2	-2.6	-25.3	-27.3	12,061	17,221	37,208	42.8	116.1	208.5
12.8	12.2	8.5	-4.7	-30.3	-33.6	8,385	12,281	20,847	46.5	69.8	148.6
9.7	9.6	6.9	-1.0	-28.1	-28.9	4,860	8,785	17,831	80.8	103.0	266.9
10.0	8.3	6.3	-17.0	-24.1	-37.0	7,731	9,294	16,589	20.2	78.5	114.6
8.6	7.4	5.1	-14.0	-31.1	-40.7	4,709	6,932	11,284	47.2	62.8	139.6
9.4	8.9	5.9	-5.3	-33.7	-37.2	4,863	7,889	13,038	62.2	65.3	168.1
8.3	6.4	4.0	-22.9	-37.5	-51.8	4,084	4,817	7,691	17.9	59.7	88.3
7.2	7.3	4.5	1.4	-38.4	-37.5	3,501	6,361	9,251	81.7	45.4	164.2
14.5	12.3	-----	-15.2	-----	-----	21,949	33,394	-----	52.1	-----	-----
-----	-----	10.5	-----	-----	-----	-----	-----	70,235	-----	-----	-----
-----	-----	7.6	-----	-----	-----	-----	-----	51,491	-----	-----	-----
16.3	15.3	8.9	-6.1	-41.8	-45.4	15,072	27,264	52,968	80.9	94.3	251.4
12.2	6.9	3.5	-43.4	-49.3	-71.3	9,590	14,142	24,023	47.5	69.9	150.5
20.0	18.5	12.6	-7.5	-31.9	-37.0	10,025	18,614	36,443	85.7	95.8	263.5
9.2	7.5	3.6	-18.5	-52.0	-60.9	12,002	17,112	29,237	42.6	70.9	143.6
12.2	10.0	6.3	-18.0	-37.0	-48.4	7,341	11,335	19,579	54.4	72.7	166.7
10.3	7.1	3.6	-31.1	-49.3	-65.0	5,422	7,970	12,649	47.0	58.7	133.3
7.0	5.9	4.4	-15.7	-25.4	-37.1	5,703	8,719	18,465	52.9	111.8	223.8
3.7	3.2	2.8	-13.5	-12.5	-24.3	3,220	5,370	13,934	66.8	159.5	332.7

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 2001:
Calendar Years 1984, 1990, and 2001**

Leading DRG Code Number in 2001	Description	Discharges			Discharges		
		Number			Percent Change	Percent Change	Percent Change
		1984	1990	2001	1984-1990	1990-2001	1984-2001
127	Heart Failure & Shock	515,865	586,335	683,545	13.7	16.6	32.5
130	Peripheral Vascular Disorders with CC	91,655	68,330	90,310	-25.4	32.2	-1.5
132	Atherosclerosis with CC	100,810	18,250	151,290	-81.9	729.0	50.1
138	Cardiac Arrhythmia & Conduction Disorders with CC	212,265	180,470	205,625	-15.0	13.9	-3.1
139	Cardiac Arrhythmia & Conduction Disorders Without CC	28,345	73,020	90,505	157.6	23.9	219.3
140	Angina Pectoris	330,000	352,355	63,385	6.8	-82.0	-80.8
141	Syncope & Collapse with CC	86,675	77,205	103,680	-10.9	34.3	19.6
142	Syncope & Collapse Without CC	11,315	39,370	51,450	247.9	30.7	354.7
143	Chest Pain	75,690	112,905	251,780	49.2	123.0	232.6
144	Other Circulatory System Diagnoses with CC	40,825	54,995	91,260	34.7	65.9	123.5
148 ²	Major Small & Large Bowel Procedures with CC	106,455	140,245	132,865	31.7	-5.3	24.8
174	GI Hemorrhage with CC	144,620	157,895	251,180	9.2	59.1	73.7
180	GI Obstruction with CC	65,930	66,485	89,815	0.8	35.1	36.2
182	Esophagitis, Gastroent & Misc Digest Disorders Age >17 with CC	372,580	254,750	264,880	-31.6	4.0	-28.9
183	Esophagitis, Gastroent & Misc Digest Disorders Age >17 Without CC	72,525	81,770	92,360	12.7	13.0	27.3
188	Other Digestive System Diagnoses Age >17 with CC	54,075	50,110	81,055	-7.3	61.8	49.9
204	Disorders of Pancreas Except Malignancy	31,890	37,715	63,275	18.3	67.8	98.4
209 ²	Major Joint & Limb Reattachment Procedures of Lower Extremity	149,660	257,780	381,830	72.2	48.1	155.1
210 ²	Hip & Femur Procedures Except Major Joint Age >17 with CC	120,100	112,470	122,845	-6.4	9.2	2.3
236	Fractures of Hip & Pelvis	47,350	41,255	41,815	-12.9	1.4	-11.7

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 2001:
Calendar Years 1984, 1990, and 2001**

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	2001	1984-1990	1990-2001	1984-2001	1984	1990	2001	1984-1990	1990-2001	1984-2001
8.7	7.9	5.3	-9.2	-32.9	-39.1	\$4,264	\$7,207	\$12,897	69.0	79.0	202.5
8.1	8.3	5.7	2.5	-31.3	-29.6	3,523	6,627	12,179	88.1	83.8	245.7
7.0	6.1	2.9	-12.9	-52.5	-58.6	3323	6229	8,044	87.5	29.1	142.1
6.3	6.0	4.0	-4.8	-33.3	-36.5	3,376	5,848	10,492	73.2	79.4	210.8
4.9	3.9	2.5	-20.4	-35.9	-49.0	2,685	3,624	6,483	35.0	78.9	141.5
5.6	4.6	2.6	-17.9	-43.5	-53.6	2,821	4,311	6,521	52.8	51.3	131.2
5.8	5.7	3.6	-1.7	-36.8	-37.9	2,672	4,987	9,400	86.6	88.5	251.8
4.5	4.0	2.5	-11.1	-37.5	-44.4	2,207	3,554	7,249	61.0	104.0	228.5
4.4	3.4	2.1	-22.7	-38.2	-52.3	2,427	3,577	6,929	47.4	93.7	185.5
8.3	7.3	5.5	-12.0	-24.7	-33.7	4,765	7,867	15,879	65.1	101.8	233.2
17.7	16.6	12.3	-6.2	-25.9	-30.5	12,686	23,471	44,309	85.0	88.8	249.3
7.4	7.0	4.8	-5.4	-31.4	-35.1	3,860	6,944	12,737	79.9	83.4	230.0
7.4	7.8	5.4	5.4	-30.8	-27.0	3,281	6,632	12,094	102.1	82.4	268.6
6.1	6.4	4.4	4.9	-31.3	-27.9	2,526	5,374	10,156	112.7	89.0	302.1
5.0	4.9	2.9	-2.0	-40.8	-42.0	2,103	3,630	7,054	72.6	94.3	235.4
6.4	7.5	5.6	17.2	-25.3	-12.5	3,100	7,392	14,585	138.5	97.3	370.5
8.1	8.1	5.8	0.0	-28.4	-28.4	4,050	8,099	15,257	100.0	88.4	276.7
15.6	11.1	5.0	-28.8	-55.0	-67.9	10,205	16,542	25,482	62.1	54.0	149.7
16.8	13.9	6.9	-17.3	-50.4	-58.9	8,600	14,236	22,942	65.5	61.2	166.8
12.7	10.0	5.1	-21.3	-49.0	-59.8	4,573	6,530	9,308	42.8	42.5	103.5

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 2001:
Calendar Years 1984, 1990, and 2001**

Leading DRG Code Number in 2001	Description	Discharges			Discharges		
		1984	1990	2001	Percent Change 1984-1990	Percent Change 1990-2001	Percent Change 1984-2001
239	Pathological Fractures & Musculoskeletal & Conn Tiss Malignancy	61,760	60,890	48,960	-1.4	-19.6	-20.7
243	Medical Back Problems	200,190	112,455	95,310	-43.8	-15.2	-52.4
277	Cellulitis Age >17 with CC	58,155	66,830	96,690	14.9	44.7	66.3
294	Diabetes Age >35	141,500	92,520	97,385	-34.6	5.3	-31.2
296	Nutritional & Misc Metabolic Disorders Age >17 with CC	176,150	206,595	257,965	17.3	24.9	46.4
297	Nutritional & Misc Metabolic Disorders Age >17 without CC	13,910	47,395	48,370	240.7	2.1	247.7
316	Renal Failure	46,410	48,670	118,925	4.9	144.3	156.2
320	Kidney & Urinary Tract Infections	137,845	157,780	193,915	14.5	22.9	40.7
331	Other Kidney & Urinary Tract Diagnoses Age>17 with CC	38,080	28,380	49,800	-25.5	75.5	30.8
395	Red Blood Cell Disorders Age >17	93,510	72,730	104,195	-22.2	43.3	11.4
415 ²	OR Procedure for Infectious & Parasitic Diseases	16,165	27,735	41,195	71.6	48.5	154.8
416	Septicemia Age >17	66,180	128,085	183,085	93.5	42.9	176.6
429	Organic Disturbances & Mental Retardation	52,710	49,305	63,925	-6.5	29.7	21.3
430	Psychoses	118,455	195,595	325,340	65.1	66.3	174.7
462	Rehabilitation	9,490	106,680	283,520	1,024.1	165.8	2,887.6
468	Extensive OR Procedure Unrelated to Principal Diagnosis	166,815	75,885	62,540	-54.5	-17.6	-62.5
475	Respiratory System Diagnosis with Ventilator Support	---	78,805	105,380	---	33.7	---
478 ²	Other Vascular Procedures with CC	---	24,230	109,875	---	353.5	---
483	Tracheostomy Except for Face, Mouth and Neck Diagnosis	---	8,045	44,285	---	450.5	---
493	Laparoscopic Cholecystectomy Without CDE with CC	---	---	58,940	---	---	---
500	Back and Neck Procedures Except Spinal Fusion Without CC	---	---	50,160	---	---	---
517	Percutaneous Cardiovascular Procedures with Coronary Artery Stent without AMI	---	---	47,505	---	---	---
All Other DRGs	----	4,570,760	3,613,010	3,284,690	-21.0	-9.1	-28.1

¹Based on frequency of occurrence in 2001.

²Represents surgical DRGs.

³Prior to 1999, DRG code 107 was defined as coronary bypass without cardiac catheterization.

⁴In 1999 the DRG code 107 was revised and defined as coronary bypass with cardiac catheterization. In addition, DRG code 109 was introduced and defined as coronary bypass without cardiac catheterization.

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 18.0* and *19.0* (2001), *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 Decision Support Access Facility; 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 2001:
Calendar Years 1984, 1990, and 2001**

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	2001	1984-1990	1990-2001	1984-2001	1984	1990	2001	1984-1990	1990-2001	1984-2001
10.5	10.4	6.2	-1.0	-40.4	-41.0	3,989	7,605	13,060	90.6	71.7	227.4
8.0	6.9	4.8	-13.8	-30.4	-40.0	2,858	4,657	9,567	62.9	105.4	234.7
9.1	8.6	5.7	-5.5	-33.7	-37.4	3,740	6,570	11,212	75.7	70.7	199.8
8.4	7.5	4.6	-10.7	-38.7	-45.2	3,267	5,491	10,102	68.1	84.0	209.2
8.4	8.5	5.1	1.2	-40.0	-39.3	3,556	6,840	10,938	92.4	59.9	207.6
6.9	5.3	3.3	-23.2	-37.7	-52.2	3,032	3,724	6,466	22.8	73.6	113.3
9.6	9.4	6.6	-2.1	-29.8	-31.3	5,572	9,555	17,297	71.5	81.0	210.4
8.2	8.6	5.3	4.9	-38.4	-35.4	3,581	7,174	11,075	100.3	54.4	209.3
7.3	7.6	5.6	4.1	-26.3	-23.3	3,456	7,338	14,447	112.3	96.9	318.0
6.6	6.5	4.3	-1.5	-33.8	-34.8	3,000	5,639	10,705	88.0	89.8	256.8
19.9	21.2	14.4	6.5	-32.1	-27.6	14,476	27,339	48,876	88.9	78.8	237.6
11.4	10.7	7.5	-6.1	-29.9	-34.2	6,811	10,981	20,645	61.2	88.0	203.1
11.3	14.5	9.9	28.3	-31.7	-12.4	3,717	8,417	13,456	126.4	59.9	262.0
16.1	16.9	11.0	5.0	-34.9	-31.7	5,069	9,359	13,977	84.6	49.3	175.7
22.5	21.2	12.3	-5.8	-42.0	-45.3	9,151	15,745	19,413	72.1	23.3	112.1
16.6	19.3	12.9	16.3	-33.2	-22.3	10,595	24,871	47,914	134.7	92.7	352.2
---	14.3	11.1	---	-22.4	---	---	25,548	47,350	---	85.3	---
---	10.4	7.4	---	-28.8	---	---	16,682	31,447	---	88.5	---
---	55.8	39.6	---	-29.0	---	---	125,493	207,122	---	65.0	---
---	---	5.9	---	---	---	---	---	22,685	---	---	---
---	---	2.4	---	---	---	---	---	12,200	---	---	---
---	---	2.6	---	---	---	---	---	29,230	---	---	---
8.1	8.4	5.5	3.7	-34.5	-32.1	4,611	10,221	19,293	121.7	88.8	318.4