

Table 5.7

**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 2004
Calendar Years 1984, 1990, and 2004**

Leading DRG Code Number in 2004		Discharges			Percent Change 1984-1990	Percent Change 1990-2004	Percent Change 1984-2004
		Number					
		1984	1990	2004			
Description							
Total All DRGs	-----	10,894,925	10,521,925	12,918,130	-3.4	22.8	18.6
Leading DRGs ¹	-----	5,886,235	6,236,770	9,252,565	6.0	48.4	57.2
012	Degenerative Nervous System Disorders	56,410	25,915	84,980	-54.1	227.9	50.6
014	Intracranial Hemorrhage and Stroke with Infarct	318,405	336,080	251,875	5.6	-25.1	-20.9
015	CVA and Precerebral Occlusion without Infarct	175,530	135,850	63,330	-22.6	-53.4	-63.9
024	Seizure & Headache Age >17 with CC	55,510	53,255	64,790	-4.1	21.7	16.7
075 ²	Major Chest Procedures	28,675	31,690	47,100	10.5	48.6	64.3
076 ²	Other Respiratory System O.R. Procedures with CC	10,055	38,855	47,635	286.4	22.6	373.7
078	Pulmonary Embolism	29,405	26,050	47,275	-11.4	81.5	60.8
079	Respiratory Infections & Inflammations Age >17 with CC	51,635	129,780	163,360	151.3	25.9	216.4
082	Respiratory Neoplasms	120,990	72,840	66,150	-39.8	-9.2	-45.3
087	Pulmonary Edema & Respiratory Failure	94,770	67,520	83,370	-28.8	23.5	-12.0
088	Chronic Obstructive Pulmonary Disease	212,480	144,825	395,860	-31.8	173.3	86.3
089	Simple Pneumonia & Pleurisy Age >17 with CC	314,980	391,725	516,265	24.4	31.8	63.9
096	Bronchitis & Asthma Age >17 with CC	178,075	189,710	52,830	6.5	-72.2	-70.3
107 ^{2,4}	Coronary Bypass Without Cardiac Cath	38,285	46,765	-----	22.1	-----	-----
107 ^{2,4}	Coronary Bypass With Cardiac Cath	-----	-----	71,575	-----	-----	-----
109 ^{2,4}	Coronary Bypass Without Cardiac Cath	-----	-----	51,580	-----	-----	-----
110 ²	Major Cardiovascular Procedures with CC	56,230	75,660	58,410	34.6	-22.8	3.9
116 ²	Other Perm Cardiac Pacemaker Implant	53,905	62,050	118,415	15.1	90.8	119.7
121	Circulatory Disorders with AMI & Major Comp Disch Alive	102,930	137,625	154,070	33.7	11.9	49.7
122	Circulatory Disorders with AMI & Without Major Comp Disch Alive	158,400	102,935	60,670	-35.0	-41.1	-61.7
124	Circulatory Disorders Except AMI, with Card Cath and Complex Diagnosis	31,120	113,890	131,235	266.0	15.2	321.7
125	Circulatory Disorders Except AMI, with Card Cath Without Complex Diagnosis	64,085	93,045	97,885	45.2	5.2	52.7
127	Heart Failure & Shock	515,865	586,335	692,075	13.7	18.0	34.2
130	Peripheral Vascular Disorders with CC	91,655	68,330	89,085	-25.4	30.4	-2.8
132	Atherosclerosis with CC	100,810	18,250	116,280	-81.9	537.2	15.3

See footnotes at end of table.

Table 5.7—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 2004
Calendar Years 1984, 1990, and 2004**

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	2004	1984-1990	1990-2004	1984-2004	1984	1990	2004	1984-1990	1990-2004	1984-2004
8.8	8.8	5.8	0.0	-34.1	-34.1	\$4,855	\$9,765	\$26,280	101.1	169.1	441.3
9.5	9.3	5.7	-2.1	-38.7	-40.0	5,080	9,522	24,136	87.4	153.5	375.1
13.0	13.0	7.8	0.0	-40.0	-40.0	5,239	9,022	17,150	72.2	90.1	227.4
12.4	10.5	5.6	-15.3	-46.7	-54.8	5,591	8,971	22,045	60.5	145.7	294.3
6.1	5.5	4.5	-9.8	-18.2	-26.2	2,603	4,609	16,242	77.1	252.4	524.0
6.9	7.7	4.7	11.6	-39.0	-31.9	3,422	7,389	18,431	115.9	149.4	438.6
16.3	14.1	9.7	-13.5	-31.2	-40.5	13,500	22,075	55,424	63.5	151.1	310.5
15.4	15.0	10.7	-2.6	-28.7	-30.5	12,061	17,221	50,101	42.8	190.9	315.4
11.5	10.3	6.2	-10.4	-39.8	-46.1	6,154	9,876	21,407	60.5	116.8	247.9
12.8	12.2	8.1	-4.7	-33.6	-36.7	8,385	12,281	27,592	46.5	124.7	229.1
9.7	9.6	6.7	-1.0	-30.2	-30.9	4,860	8,785	24,724	80.8	181.4	408.7
10.0	8.3	6.4	-17.0	-22.9	-36.0	7,731	9,294	23,555	20.2	153.4	204.7
8.6	7.4	4.9	-14.0	-33.8	-43.0	4,709	6,932	15,445	47.2	122.8	228.0
9.4	8.9	5.6	-5.3	-37.1	-40.4	4,863	7,889	18,076	62.2	129.1	271.7
7.2	7.3	4.4	1.4	-39.7	-38.9	3,501	6,361	13,185	81.7	107.3	276.6
14.5	12.3	-----	-15.2	-----	-----	21,949	33,394	-----	52.1	-----	-----
-----	-----	10.4	-----	-----	-----	-----	-----	94,671	-----	-----	-----
-----	-----	7.7	-----	-----	-----	-----	-----	70,696	-----	-----	-----
16.3	15.3	8.3	-6.1	-45.8	-49.1	15,072	27,264	70,497	80.9	158.6	367.7
9.2	7.5	4.2	-18.5	-44.0	-54.3	12,002	17,112	40,842	42.6	138.7	240.3
12.2	10.0	6.2	-18.0	-38.0	-49.2	7,341	11,335	27,587	54.4	143.4	275.8
10.3	7.1	3.4	-31.1	-52.1	-67.0	5,422	7,970	16,654	47.0	109.0	207.2
7.0	5.9	4.4	-15.7	-25.4	-37.1	5,703	8,719	26,000	52.9	198.2	355.9
3.7	3.2	2.7	-13.5	-15.6	-27.0	3,220	5,370	19,479	66.8	262.7	504.9
8.7	7.9	5.1	-9.2	-35.4	-41.4	4,264	7,207	18,316	69.0	154.1	329.5
8.1	8.3	5.5	2.5	-33.7	-32.1	3,523	6,627	17,071	88.1	157.6	384.6
7.0	6.1	2.8	-12.9	-54.1	-60.0	3323	6229	11,146	87.5	78.9	235.4

Table 5.7—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 2004
Calendar Years 1984, 1990, and 2004**

Leading DRG Code Number in 2004	Description	Discharges			Percent Change 1984-1990	Percent Change 1990-2004	Percent Change 1984-2004
		1984	1990	2004			
134	Hypertension	70,165	29,675	43,560	-57.7	46.8	-37.9
138	Cardiac Arrhythmia & Conduction Disorders with CC	212,265	180,470	207,185	-15.0	14.8	-2.4
139	Cardiac Arrhythmia & Conduction Disorders Without CC	28,345	73,020	77,945	157.6	6.7	175.0
141	Syncope & Collapse with CC	86,675	77,205	123,040	-10.9	59.4	42.0
142	Syncope & Collapse Without CC	11,315	39,370	52,050	247.9	32.2	360.0
143	Chest Pain	75,690	112,905	251,430	49.2	122.7	232.2
144	Other Circulatory System Diagnoses with CC	40,825	54,995	103,285	34.7	87.8	153.0
148 ²	Major Small & Large Bowel Procedures with CC	106,455	140,245	136,465	31.7	-2.7	28.2
174	GI Hemorrhage with CC	144,620	157,895	271,270	9.2	71.8	87.6
180	GI Obstruction with CC	65,930	66,485	94,585	0.8	42.3	43.5
182	Esophagitis, Gastroent & Misc Digest Disorders Age >17 with CC	372,580	254,750	298,770	-31.6	17.3	-19.8
183	Esophagitis, Gastroent & Misc Digest Disorders Age >17 Without CC	72,525	81,770	87,155	12.7	6.6	20.2
188	Other Digestive System Diagnoses Age >17 with CC	54,075	50,110	94,345	-7.3	88.3	74.5
204	Disorders of Pancreas Except Malignancy	31,890	37,715	73,720	18.3	95.5	131.2
209 ²	Major Joint & Limb Reattachment Procedures of Lower Extremity	149,660	257,780	475,975	72.2	84.6	218.0
210 ²	Hip & Femur Procedures Except Major Joint Age >17 with CC	120,100	112,470	129,465	-6.4	15.1	7.8
236	Fractures of Hip & Pelvis	47,350	41,255	44,650	-12.9	8.2	-5.7
243	Medical Back Problems	200,190	112,455	105,335	-43.8	-6.3	-47.4
277	Cellulitis Age >17 with CC	58,155	66,830	113,475	14.9	69.8	95.1
294	Diabetes Age >35	141,500	92,520	100,360	-34.6	8.5	-29.1
296	Nutritional & Misc Metabolic Disorders Age >17 with CC	176,150	206,595	253,510	17.3	22.7	43.9
297	Nutritional & Misc Metabolic Disorders Age >17 without CC	13,910	47,395	44,830	240.7	-5.4	222.3
316	Renal Failure	46,410	48,670	186,170	4.9	282.5	301.1
320	Kidney & Urinary Tract Infections Age>17 with CC	137,845	157,780	222,825	14.5	41.2	61.6

See footnotes at end of table.

Table 5.7—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 2004
Calendar Years 1984, 1990, and 2004**

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	2004	1984-1990	1990-2004	1984-2004	1984	1990	2004	1984-1990	1990-2004	1984-2004
6.7	5.2	3.1	-22.4	-40.4	-53.7	\$2,684	\$4,011	\$10,955	49.4	173.1	308.2
6.3	6.0	3.9	-4.8	-35.0	-38.1	3,376	5,848	14,802	73.2	153.1	338.4
4.9	3.9	2.4	-20.4	-38.5	-51.0	2,685	3,624	9,359	35.0	158.3	248.6
5.8	5.7	3.5	-1.7	-38.6	-39.7	2,672	4,987	13,676	86.6	174.2	411.8
4.5	4.0	2.5	-11.1	-37.5	-44.4	2,207	3,554	10,811	61.0	204.2	389.9
4.4	3.4	2.1	-22.7	-38.2	-52.3	2,427	3,577	10,287	47.4	187.6	323.9
8.3	7.3	5.8	-12.0	-20.5	-30.1	4,765	7,867	23,799	65.1	202.5	399.5
17.7	16.6	12.1	-6.2	-27.1	-31.6	12,686	23,471	60,002	85.0	155.6	373.0
7.4	7.0	4.7	-5.4	-32.9	-36.5	3,860	6,944	18,125	79.9	161.0	369.6
7.4	7.8	5.3	5.4	-32.1	-28.4	3,281	6,632	17,309	102.1	161.0	427.6
6.1	6.4	4.4	4.9	-31.3	-27.9	2,526	5,374	14,911	112.7	177.5	490.3
5.0	4.9	2.9	-2.0	-40.8	-42.0	2,103	3,630	10,416	72.6	186.9	395.3
6.4	7.5	5.6	17.2	-25.3	-12.5	3,100	7,392	20,499	138.5	177.3	561.3
8.1	8.1	5.5	0.0	-32.1	-32.1	4,050	8,099	20,004	100.0	147.0	393.9
15.6	11.1	4.5	-28.8	-59.5	-71.2	10,205	16,542	34,668	62.1	109.6	239.7
16.8	13.9	6.7	-17.3	-51.8	-60.1	8,600	14,236	32,219	65.5	126.3	274.6
12.7	10.0	4.9	-21.3	-51.0	-61.4	4,573	6,530	13,084	42.8	100.4	186.1
8.0	6.9	4.6	-13.8	-33.3	-42.5	2,858	4,657	13,803	62.9	196.4	383.0
9.1	8.6	5.4	-5.5	-37.2	-40.7	3,740	6,570	15,558	75.7	136.8	316.0
8.4	7.5	4.2	-10.7	-44.0	-50.0	3,267	5,491	13,820	68.1	151.7	323.0
8.4	8.5	4.7	1.2	-44.7	-44.0	3,556	6,840	14,591	92.4	113.3	310.3
6.9	5.3	3.1	-23.2	-41.5	-55.1	3,032	3,724	8,943	22.8	140.1	195.0
9.6	9.4	6.2	-2.1	-34.0	-35.4	5,572	9,555	22,780	71.5	138.4	308.8
8.2	8.6	5.1	4.9	-40.7	-37.8	3,581	7,174	15,482	100.3	115.8	332.3

Table 5.7—Continued

**Discharges, Total Days of Care, and Average Charge per Discharge for Medicare Beneficiaries
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Calendar Years 1984, 1990, and 2004**

Leading DRG Code Number in 2004	Description	Discharges			Percent Change 1984-1990	Percent Change 1990-2004	Percent Change 1984-2004
		Number					
		1984	1990	2004			
331	Other Kidney & Urinary Tract Diagnoses						
	Age>17 with CC	38,080	28,380	55,625	-25.5	96.0	46.1
395	Red Blood Cell Disorders Age >17	93,510	72,730	117,730	-22.2	61.9	25.9
415 ²	OR Procedure for Infectious & Parasitic Diseases	16,165	27,735	51,850	71.6	86.9	220.8
416	Septicemia Age >17	66,180	128,085	251,915	93.5	96.7	280.7
429	Organic Disturbances & Mental Retardation	52,710	49,305	60,750	-6.5	23.2	15.3
430	Psychoses	118,455	195,595	349,555	65.1	78.7	195.1
462	Rehabilitation	9,490	106,680	312,185	1,024.1	192.6	3,189.6
468 ²	Extensive OR Procedure Unrelated to Principal Diagnosis	166,815	75,885	52,615	-54.5	-30.7	-68.5
475	Respiratory System Diagnosis with Ventilator Support	-----	78,805	112,255	-----	42.4	-----
478 ²	Other Vascular Procedures with CC	-----	24,230	115,855	-----	378.1	-----
493	Laparoscopic Cholecystectomy Without CDE with CC	-----	-----	62,650	-----	-----	-----
500 ²	Back and Neck Procedures Except Spinal Fusion Without CC	-----	-----	48,870	-----	-----	-----
517 ²	Percutaneous Cardiovascular Procedures with Non-Drug Eluting Stent without AMI	-----	-----	48,915	-----	-----	-----
524	Transient Ischemia	-----	-----	117,960	-----	-----	-----
526 ²	Percutaneous Cardiovascular Procedures with Drug-Eluting Stent with AMI	-----	-----	66,110	-----	-----	-----
527 ²	Percutaneous Cardiovascular Procedures with Drug-Eluting Stent without AMI	-----	-----	216,950	-----	-----	-----
533 ²	Extracranial Procedures with CC	-----	-----	48,230	-----	-----	-----
534 ²	Extracranial Procedures without CC	-----	-----	45,045	-----	-----	-----
All Other DRGs	-----	5,008,690	4,285,155	3,665,565	-14.4	-14.5	-26.8

¹Based on frequency of occurrence in 2004.

²Represents surgical DRGs.

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

⁴In 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 21.0* and *22.0* (2004), *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. PDX is primary diagnosis. CVA is cerebrovascular accident.

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 5.7—Continued

**Discharges, Total Days of Care, and Average Charge per Discharge for Medicare Beneficiaries
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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	2004	1984-1990	1990-2004	1984-2004	1984	1990	2004	1984-1990	1990-2004	1984-2004
7.3	7.6	5.4	4.1	-28.9	-26.0	\$3,456	\$7,338	\$19,370	112.3	164.0	460.5
6.6	6.5	4.3	-1.5	-33.8	-34.8	3,000	5,639	15,263	88.0	170.7	408.8
19.9	21.2	13.9	6.5	-34.4	-30.2	14,476	27,339	68,798	88.9	151.6	375.3
11.4	10.7	7.4	-6.1	-30.8	-35.1	6,811	10,981	30,661	61.2	179.2	350.2
11.3	14.5	9.3	28.3	-35.9	-17.7	3,717	8,417	16,713	126.4	98.6	349.6
16.1	16.9	10.7	5.0	-36.7	-33.5	5,069	9,359	17,545	84.6	87.5	246.1
22.5	21.2	11.7	-5.8	-44.8	-48.0	9,151	15,745	24,148	72.1	53.4	163.9
16.6	19.3	12.8	16.3	-33.7	-22.9	10,595	24,871	68,641	134.7	176.0	547.9
----	14.3	11.0	----	-23.1	----	----	25,548	65,212	----	155.3	----
----	10.4	7.0	----	-32.7	----	----	16,682	43,826	----	162.7	----
----	----	6.0	----	----	----	----	----	31,897	----	----	----
----	----	2.2	----	----	----	----	----	16,363	----	----	----
----	----	2.5	----	----	----	----	----	35,695	----	----	----
----	----	3.2	----	----	----	----	----	13,096	----	----	----
----	----	4.3	----	----	----	----	----	53,024	----	----	----
----	----	2.2	----	----	----	----	----	41,794	----	----	----
----	----	3.6	----	----	----	----	----	27,427	----	----	----
----	----	1.8	----	----	----	----	----	17,782	----	----	----
8.0	8.2	5.9	2.5	-28.0	-26.3	4,590	10,120	31,692	120.5	213.2	590.5