## **EXHIBIT 5.8** Growth in Discharges for Selected Conditions: Medicare

Number of Discharges and Cumulative Growth for Principal CCS Conditions Contributing to Body System Change, Medicare, 1997-2007

DISCHARGES IN STOTEM CHANGE	, ,	NUMBER OF		PERCENT OF		
SYSTEM CHANGE         1997         2007         1997         2007         1997-2007           Circulatory         3,971         3,851‡         100.0%         100.0%         -3%           Coronary atherosclerosis (coronary artery disease)         776         526         19.5         13.6         -32           Non-specific chest pain         188         308         4.7         8.0         64           Cardiac dysrhythmias (irregular heartbeat)         376         473         9.5         12.3         26           Acute cerebrovascular disease (stroke)         434         338         10.9         8.8         -22           Acute myocardial infarction (heart attack)         418         352         10.5         9.1         -16           Digestive         1,253         1,480         100.0         100.0         18           Intestinal infection         38         115         3.0         7.8         205           Respiratory         1,630         1,809         100.0         100.0         11           Respiratory failure         134         254         8.2         14.0         90           Asthma         69         110         4.2         61         59           I				BODY SYSTEM		
Circulatory	PRINCIPAL CCS CONDITIONS CONTRIBUTING TO BODY			_		
Coronary atherosclerosis (coronary artery disease)   776   526   19.5   13.6   -32						1997-2007
Non-specific chest pain   188   308   4.7   8.0   64	Circulatory	3,971	3,851‡	100.0%	100.0%	-3%
Cardiac dysrhythmias (irregular heartbeat)         376         473         9.5         12.3         26           Acute cerebrovascular disease (stroke)         434         338         10.9         8.8         -22           Acute myocardial infarction (heart attack)         418         352         10.5         9.1         -16           Digestive         1,253         1,480         100.0         100.0         18           Intestinal infection         38         115         3.0         7.8         205           Respiratory         1,630         1,809         100.0         100.0         11           Respiratory failure         134         254         8.2         14.0         90           Asthma         69         110         4.2         6.1         59           Injury and poisoning         1,095         1,338         100.0         100.0         22           Complication of device, implant or graft         293         362         26.7         27.1         24           Complication of surgical procedures or medical care         158         214         14.4         16.0         35           Musculoskeletal         645         940         100.0         100.0         46	Coronary atherosclerosis (coronary artery disease)	776	526	19.5	13.6	-32
Acute cerebrovascular disease (stroke)         434         338         10.9         8.8         -22           Acute myocardial infarction (heart attack)         418         352         10.5         9.1         -16           Digestive         1,253         1,480         100.0         100.0         18           Intestinal infection         38         115         3.0         7.8         205           Respiratory         1,630         1,809         100.0         100.0         101.0           Respiratory failure         134         254         8.2         14.0         90           Asthma         69         110         4.2         6.1         59           Injury and poisoning         1,095         1,338         100.0         100.0         22           Complication of device, implant or graft         293         362         26.7         27.1         24           Complication of surgical procedures or medical care         158         214         14.4         16.0         35           Musculoskeletal         645         940         100.0         100.0         46           Osteoarthritis (degenerative joint disease)         279         455         43.3         48.4         63 <td></td> <td>188</td> <td>308</td> <td>4.7</td> <td>8.0</td> <td>64</td>		188	308	4.7	8.0	64
Acute myocardial infarction (heart attack)         418         352         10.5         9.1         -16           Digestive         1,253         1,480         100.0         100.0         18           Intestinal infection         38         115         3.0         7.8         205           Respiratory         1,630         1,809         100.0         11           Respiratory failure         134         254         8.2         14.0         90           Asthma         69         110         4.2         6.1         59           Injury and poisoning         1,095         1,338         100.0         100.0         22           Complication of device, implant or graft         293         362         26.7         27.1         24           Complication of surgical procedures or medical care         158         214         14.4         16.0         35           Musculoskeletal         645         940         100.0         100.0         46           Osteoarthritis (degenerative joint disease)         279         455         43.3         48.4         63           Disorders of intervertebral discs and bones in spinal column (back problems)         163         234         25.3         24.9         44<		376	473	9.5	12.3	26
Digestive	Acute cerebrovascular disease (stroke)	434	338	10.9	8.8	-22
Intestinal infection   38   115   3.0   7.8   205	Acute myocardial infarction (heart attack)	418	352	10.5	9.1	-16
Respiratory   1,630   1,809   100.0   100.0   11     Respiratory failure   134   254   8.2   14.0   90     Asthma   69   110   4.2   6.1   59     Injury and poisoning   1,095   1,338   100.0   100.0   22     Complication of device, implant or graft   293   362   26.7   27.1   24     Complication of surgical procedures or medical care   158   214   14.4   16.0   35     Musculoskeletal   645   940   100.0   100.0   46     Osteoarthritis (degenerative joint disease)   279   455   43.3   48.4   63     Disorders of intervertebral discs and bones in spinal column (back problems)   163   234   25.3   24.9   44     Genitourinary   602   865   100.0   100.0   44     Acute renal failure   67   279   11.2   32.3   315     Urinary tract infections   227   330   37.7   38.2   46     Endocrine   509   621   100.0   100.0   22     Diabetes mellitus with complications   183   222   35.9   35.7   21     Fluid and electrolyte disorders (primarily dehydration or fluid overload)   260   295   51.0   47.5   14     Symptoms   579   669   100.0   100.0   16     Syncope   119   167   20.6   25.0   40     Rehabilitation care, fitting of prostheses, and adjustment of devices   265   311‡   45.8   46.5   17     Infectious and parasitic   341   535   100.0   100.0   57     Septicemia (blood infection)   276   464   81.2   86.8   68     Skin and subcutaneous tissue   188   267   100.0   100.0   42     Skin and subcutaneous tissue   188   267   100.0   100.0   56	Digestive	1,253	1,480	100.0	100.0	18
Respiratory failure         134         254         8.2         14.0         90           Asthma         69         110         4.2         6.1         59           Injury and poisoning         1,095         1,338         100.0         100.0         22           Complication of device, implant or graft         293         362         26.7         27.1         24           Complication of surgical procedures or medical care         158         214         14.4         16.0         35           Musculoskeletal         645         940         100.0         100.0         46           Osteoarthritis (degenerative joint disease)         279         455         43.3         48.4         63           Disorders of intervertebral discs and bones in spinal column (back problems)         163         234         25.3         24.9         44           Genitourinary         602         865         100.0         100.0         44           Acute renal failure         67         279         11.2         32.3         315           Urinary tract infections         227         330         37.7         38.2         46           Endocrine         509         621         100.0         100.0         22<	Intestinal infection	38	115	3.0	7.8	205
Asthma       69       110       4.2       6.1       59         Injury and poisoning       1,095       1,338       100.0       100.0       22         Complication of device, implant or graft       293       362       26.7       27.1       24         Complication of surgical procedures or medical care       158       214       14.4       16.0       35         Musculoskeletal       645       940       100.0       100.0       46         Osteoarthritis (degenerative joint disease)       279       455       43.3       48.4       63         Disorders of intervertebral discs and bones in spinal column (back problems)       163       234       25.3       24.9       44         Genitourinary       602       865       100.0       100.0       44         Acute renal failure       67       279       11.2       32.3       315         Urinary tract infections       227       330       37.7       38.2       46         Endocrine       509       621       100.0       100.0       22         Diabetes mellitus with complications       183       222       35.9       35.7       21         Fluid and electrolyte disorders (primarily dehydration or fluid overload)	Respiratory	1,630	1,809	100.0	100.0	11
Injury and poisoning	Respiratory failure	134	254	8.2	14.0	90
Complication of device, implant or graft         293         362         26.7         27.1         24           Complication of surgical procedures or medical care         158         214         14.4         16.0         35           Musculoskeletal         645         940         100.0         100.0         46           Osteoarthritis (degenerative joint disease)         279         455         43.3         48.4         63           Disorders of intervertebral discs and bones in spinal column (back problems)         163         234         25.3         24.9         44           Genitourinary         602         865         100.0         100.0         44           Acute renal failure         67         279         11.2         32.3         315           Urinary tract infections         227         330         37.7         38.2         46           Endocrine         509         621         100.0         100.0         22           Diabetes mellitus with complications         183         222         35.9         35.7         21           Fluid and electrolyte disorders (primarily dehydration or fluid overload)         260         295         51.0         47.5         14           Symptoms         579 <t< td=""><td>Asthma</td><td>69</td><td>110</td><td>4.2</td><td>6.1</td><td>59</td></t<>	Asthma	69	110	4.2	6.1	59
Complication of surgical procedures or medical care         158         214         14.4         16.0         35           Musculoskeletal         645         940         100.0         100.0         46           Osteoarthritis (degenerative joint disease)         279         455         43.3         48.4         63           Disorders of intervertebral discs and bones in spinal column (back problems)         163         234         25.3         24.9         44           Genitourinary         602         865         100.0         100.0         44           Acute renal failure         67         279         11.2         32.3         315           Urinary tract infections         227         330         37.7         38.2         46           Endocrine         509         621         100.0         100.0         22           Diabetes mellitus with complications         183         222         35.9         35.7         21           Fluid and electrolyte disorders (primarily dehydration or fluid overload)         260         295         51.0         47.5         14           Symptoms         579         669         100.0         100.0         16           Syncope         119         167         20.6 <td>Injury and poisoning</td> <td>1,095</td> <td>1,338</td> <td>100.0</td> <td>100.0</td> <td>22</td>	Injury and poisoning	1,095	1,338	100.0	100.0	22
Musculoskeletal         645         940         100.0         100.0         46           Osteoarthritis (degenerative joint disease)         279         455         43.3         48.4         63           Disorders of intervertebral discs and bones in spinal column (back problems)         163         234         25.3         24.9         44           Genitourinary         602         865         100.0         100.0         44           Acute renal failure         67         279         11.2         32.3         315           Urinary tract infections         227         330         37.7         38.2         46           Endocrine         509         621         100.0         100.0         22           Diabetes mellitus with complications         183         222         35.9         35.7         21           Fluid and electrolyte disorders (primarily dehydration or fluid overload)         260         295         51.0         47.5         14           Symptoms         579         669         100.0         100.0         16           Syncope         119         167         20.6         25.0         40           Rehabilitation care, fitting of prostheses, and adjustment of devices         265         311‡	Complication of device, implant or graft	293	362	26.7	27.1	24
Osteoarthritis (degenerative joint disease)       279       455       43.3       48.4       63         Disorders of intervertebral discs and bones in spinal column (back problems)       163       234       25.3       24.9       44         Genitourinary       602       865       100.0       100.0       44         Acute renal failure       67       279       11.2       32.3       315         Urinary tract infections       227       330       37.7       38.2       46         Endocrine       509       621       100.0       100.0       22         Diabetes mellitus with complications       183       222       35.9       35.7       21         Fluid and electrolyte disorders (primarily dehydration or fluid overload)       260       295       51.0       47.5       14         Symptoms       579       669       100.0       100.0       16         Syncope       119       167       20.6       25.0       40         Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)	Complication of surgical procedures or medical care	158	214	14.4	16.0	35
Disorders of intervertebral discs and bones in spinal column (back problems)       163       234       25.3       24.9       44         Genitourinary       602       865       100.0       100.0       44         Acute renal failure       67       279       11.2       32.3       315         Urinary tract infections       227       330       37.7       38.2       46         Endocrine       509       621       100.0       100.0       22         Diabetes mellitus with complications       183       222       35.9       35.7       21         Fluid and electrolyte disorders (primarily dehydration or fluid overload)       260       295       51.0       47.5       14         Symptoms       579       669       100.0       100.0       16         Syncope       119       167       20.6       25.0       40         Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue       188<	Musculoskeletal	645	940	100.0	100.0	46
spinal column (back problems)       163       234       25.3       24.9       44         Genitourinary       602       865       100.0       100.0       44         Acute renal failure       67       279       11.2       32.3       315         Urinary tract infections       227       330       37.7       38.2       46         Endocrine       509       621       100.0       100.0       22         Diabetes mellitus with complications       183       222       35.9       35.7       21         Fluid and electrolyte disorders (primarily dehydration or fluid overload)       260       295       51.0       47.5       14         Symptoms       579       669       100.0       100.0       16         Syncope       119       167       20.6       25.0       40         Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue infections       131       213       69	Osteoarthritis (degenerative joint disease)	279	455	43.3	48.4	63
Genitourinary         602         865         100.0         100.0         44           Acute renal failure         67         279         11.2         32.3         315           Urinary tract infections         227         330         37.7         38.2         46           Endocrine         509         621         100.0         100.0         22           Diabetes mellitus with complications         183         222         35.9         35.7         21           Fluid and electrolyte disorders (primarily dehydration or fluid overload)         260         295         51.0         47.5         14           Symptoms         579         669         100.0         100.0         16           Syncope         119         167         20.6         25.0         40           Rehabilitation care, fitting of prostheses, and adjustment of devices         265         311‡         45.8         46.5         17           Infectious and parasitic         341         535         100.0         100.0         57           Septicemia (blood infection)         276         464         81.2         86.8         68           Skin and subcutaneous tissue         188         267         100.0         100.0         <	Disorders of intervertebral discs and bones in					
Acute renal failure       67       279       11.2       32.3       315         Urinary tract infections       227       330       37.7       38.2       46         Endocrine       509       621       100.0       100.0       22         Diabetes mellitus with complications       183       222       35.9       35.7       21         Fluid and electrolyte disorders (primarily dehydration or fluid overload)       260       295       51.0       47.5       14         Symptoms       579       669       100.0       100.0       16         Syncope       119       167       20.6       25.0       40         Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue       188       267       100.0       100.0       42         Skin and subcutaneous tissue infections       131       213       69.7       79.6       62         Blood       121       188       100.0	spinal column (back problems)	163	234	25.3	24.9	44
Urinary tract infections         227         330         37.7         38.2         46           Endocrine         509         621         100.0         100.0         22           Diabetes mellitus with complications         183         222         35.9         35.7         21           Fluid and electrolyte disorders (primarily dehydration or fluid overload)         260         295         51.0         47.5         14           Symptoms         579         669         100.0         100.0         16           Syncope         119         167         20.6         25.0         40           Rehabilitation care, fitting of prostheses, and adjustment of devices         265         311‡         45.8         46.5         17           Infectious and parasitic         341         535         100.0         100.0         57           Septicemia (blood infection)         276         464         81.2         86.8         68           Skin and subcutaneous tissue         188         267         100.0         100.0         42           Skin and subcutaneous tissue infections         131         213         69.7         79.6         62           Blood         121         188         100.0         100.0 <td>Genitourinary</td> <td>602</td> <td>865</td> <td>100.0</td> <td>100.0</td> <td>44</td>	Genitourinary	602	865	100.0	100.0	44
Endocrine         509         621         100.0         100.0         22           Diabetes mellitus with complications         183         222         35.9         35.7         21           Fluid and electrolyte disorders (primarily dehydration or fluid overload)         260         295         51.0         47.5         14           Symptoms         579         669         100.0         100.0         16           Syncope         119         167         20.6         25.0         40           Rehabilitation care, fitting of prostheses, and adjustment of devices         265         311‡         45.8         46.5         17           Infectious and parasitic         341         535         100.0         100.0         57           Septicemia (blood infection)         276         464         81.2         86.8         68           Skin and subcutaneous tissue         188         267         100.0         100.0         42           Skin and subcutaneous tissue infections         131         213         69.7         79.6         62           Blood         121         188         100.0         100.0         56	Acute renal failure	67	279	11.2	32.3	315
Diabetes mellitus with complications       183       222       35.9       35.7       21         Fluid and electrolyte disorders (primarily dehydration or fluid overload)       260       295       51.0       47.5       14         Symptoms       579       669       100.0       100.0       16         Syncope       119       167       20.6       25.0       40         Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue       188       267       100.0       100.0       42         Skin and subcutaneous tissue infections       131       213       69.7       79.6       62         Blood       121       188       100.0       100.0       56	Urinary tract infections	227	330	37.7	38.2	46
Fluid and electrolyte disorders (primarily dehydration or fluid overload)       260       295       51.0       47.5       14         Symptoms       579       669       100.0       100.0       16         Syncope       119       167       20.6       25.0       40         Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue       188       267       100.0       100.0       42         Skin and subcutaneous tissue infections       131       213       69.7       79.6       62         Blood       121       188       100.0       100.0       56	Endocrine	509	621	100.0	100.0	22
dehydration or fluid overload)       260       295       51.0       47.5       14         Symptoms       579       669       100.0       100.0       16         Syncope       119       167       20.6       25.0       40         Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue       188       267       100.0       100.0       42         Skin and subcutaneous tissue infections       131       213       69.7       79.6       62         Blood       121       188       100.0       100.0       56	Diabetes mellitus with complications	183	222	35.9	35.7	21
Symptoms         579         669         100.0         100.0         16           Syncope         119         167         20.6         25.0         40           Rehabilitation care, fitting of prostheses, and adjustment of devices         265         311‡         45.8         46.5         17           Infectious and parasitic         341         535         100.0         100.0         57           Septicemia (blood infection)         276         464         81.2         86.8         68           Skin and subcutaneous tissue         188         267         100.0         100.0         42           Skin and subcutaneous tissue infections         131         213         69.7         79.6         62           Blood         121         188         100.0         100.0         56	Fluid and electrolyte disorders (primarily					
Syncope       119       167       20.6       25.0       40         Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue       188       267       100.0       100.0       42         Skin and subcutaneous tissue infections       131       213       69.7       79.6       62         Blood       121       188       100.0       100.0       56	dehydration or fluid overload)	260	295	51.0	47.5	14
Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue       188       267       100.0       100.0       42         Skin and subcutaneous tissue infections       131       213       69.7       79.6       62         Blood       121       188       100.0       100.0       56	Symptoms	579	669	100.0	100.0	16
Rehabilitation care, fitting of prostheses, and adjustment of devices       265       311‡       45.8       46.5       17         Infectious and parasitic       341       535       100.0       100.0       57         Septicemia (blood infection)       276       464       81.2       86.8       68         Skin and subcutaneous tissue       188       267       100.0       100.0       42         Skin and subcutaneous tissue infections       131       213       69.7       79.6       62         Blood       121       188       100.0       100.0       56	Syncope	119	167	20.6	25.0	40
Infectious and parasitic         341         535         100.0         100.0         57           Septicemia (blood infection)         276         464         81.2         86.8         68           Skin and subcutaneous tissue         188         267         100.0         100.0         42           Skin and subcutaneous tissue infections         131         213         69.7         79.6         62           Blood         121         188         100.0         100.0         56						
Septicemia (blood infection)         276         464         81.2         86.8         68           Skin and subcutaneous tissue         188         267         100.0         100.0         42           Skin and subcutaneous tissue infections         131         213         69.7         79.6         62           Blood         121         188         100.0         100.0         56	adjustment of devices	265	311‡	45.8	46.5	17
Skin and subcutaneous tissue         188         267         100.0         100.0         42           Skin and subcutaneous tissue infections         131         213         69.7         79.6         62           Blood         121         188         100.0         100.0         56	Infectious and parasitic	341	535	100.0	100.0	57
Skin and subcutaneous tissue         188         267         100.0         100.0         42           Skin and subcutaneous tissue infections         131         213         69.7         79.6         62           Blood         121         188         100.0         100.0         56	Septicemia (blood infection)	276	464	81.2	86.8	68
Skin and subcutaneous tissue infections         131         213         69.7         79.6         62           Blood         121         188         100.0         100.0         56		188	267			42
Blood 121 188 100.0 100.0 56		131	213		79.6	62
		121	188	100.0	100.0	56
	Anemia	56	117		61.9	107

 $<sup>\</sup>pm$  2007 discharges are <u>not</u> statistically different from 1997 discharges at p<0.05.

Source: AHRQ, Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project, Nationwide Inpatient Sample, 1997 and 2007.

This exhibit displays Medicare discharges for selected conditions with important contributions to growth within each body system.

Hospital stays for some conditions billed to Medicare more than doubled from 1997 to 2007:

- Acute renal failure more than quadrupled (315-percent growth).
- Intestinal infection more than tripled (205-percent growth).
- Anemia more than doubled (107-percent growth).

Hospital stays for several conditions grew at least 50 percent:

- There was rapid growth in stays for two respiratory conditions: respiratory failure (90 percent) and asthma (59 percent).
- Septicemia (blood infection) grew 68 percent.
- Non-specific chest pain increased 64 percent.
- Osteoarthritis stays (degenerative joint disease) rose by 63 percent.
- Skin and subcutaneous tissue infections grew 62 percent.

The number of hospital stays for three circulatory conditions decreased rapidly:

- Coronary artherosclerosis (coronary artery disease) dropped by 32 percent.
- Acute cerebrovascular disease (stroke) fell by 22 percent.
- Acute myocardial infarction (heart attack) declined by 16 percent.