

CHAPTER 4

Urinary Incontinence

Female Urinary Incontinence
Female Fistula-Related Urinary Incontinence
Female Stress Urinary Incontinence
Male Urinary Incontinence
Pediatric Urinary Incontinence
Spinal Cord Injury-Related Urinary Incontinence

Table 4-1. Codes used in the diagnosis and management of urinary incontinence**Female Urinary Incontinence****Females 18 years or older, with one of the following ICD-9 diagnosis codes, but not a coexisting 952.XX or 953.XX code:**

Stress

596.51	Hypertonicity of bladder
596.52	Low bladder compliance
596.59	Other functional disorder of bladder
599.8	Other specified disorders of urethra and urinary tract
599.81	Urethral hypermobility
599.82	Intrinsic (urethral) sphincter deficiency (ISD)
599.83	Urethral instability
599.84	Other specified disorders of urethra
625.6	Stress incontinence, female
788.3	Urinary incontinence
788.30	Urinary incontinence unspecified
788.31	Urge incontinence
788.33	Mixed incontinence, male and female
788.34	Incontinence without sensory awareness
788.37	Continuous leakage

Fistulae

596.1	Intestinovesical fistula
596.2	Vesical fistula not elsewhere classified
619.0	Urinary-genital tract fistula, female
619.1	Digestive-genital tract fistula, female

Male Urinary Incontinence**Males 18 years or older, with one of the following ICD-9 diagnosis codes, but not a coexisting 952.XX or 953.XX code:**

596.51	Hypertonicity of bladder
596.52	Low bladder compliance
596.59	Other functional disorder of bladder
599.8	Other specified disorders of urethra and urinary tract
599.81	Urethral hypermobility
599.82	Intrinsic (urethral) sphincter deficiency (ISD)
599.83	Urethral instability
599.84	Other specified disorders of urethra
788.3	Urinary incontinence
788.30	Urinary incontinence unspecified
788.31	Urge incontinence
788.33	Mixed incontinence, male and female
788.34	Incontinence without sensory awareness
788.35	Post-void dribbling
788.37	Continuous leakage

Post-Radical Prostatectomy Incontinence

Males 18 years or older, carrying ICD-9 diagnosis code 185, at least one of the above codes and at least one of the following prostatectomy codes:

ICD-9 procedure codes

60.5

CPT procedure codes

55840 Prostatectomy, retropubic radical, with or without nerve sparing

Continued on next page.

Table 4-1 (continued). Codes used in the diagnosis and management of urinary incontinence

55842	Prostatectomy, retropubic radical, with or without nerve sparing; with lymph node biopsy(s) (limited pelvic lymphadenectomy)
55845	Prostatectomy, retropubic radical, with or without nerve sparing; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes
55866	Laparoscopy, surgical prostatectomy, retropubic radical, including nerve sparing, includes robotic assistance, when performed

Spinal Cord Injury-Related Incontinence

Individuals with a diagnosis code for spinal cord injury 952.XX or 953.XX and at least one of the following:

ICD-9 diagnosis codes

344.61	Cauda equina syndrome with neurogenic bladder
596.51	Hypertonicity of bladder
596.52	Low bladder compliance
596.54	Neurogenic bladder, NOS
596.55	Detrusor sphincter dyssynergia
596.59	Other functional disorder of bladder
599.8	Other specified disorders of urethra and urinary tract
599.84	Other specified disorders of urethra
625.6	Stress incontinence, female
788.3	Urinary incontinence
788.30	Urinary incontinence unspecified
788.31	Urge incontinence
788.32	Stress incontinence, male
788.33	Mixed incontinence, male and female
788.34	Incontinence without sensory awareness
788.37	Continuous Leakage
788.39	Other urinary incontinence

Pediatric Incontinence

Individuals under 18 with one of the following ICD-9 diagnosis codes, but not a coexisting 952.XX or 953.XX code:

307.6	Enuresis
596.51	Hypertonicity of bladder
596.52	Low bladder compliance
596.59	Other functional disorder of bladder
596.8	Other specified disorders of bladder
599.8	Other specified disorders of urethra and urinary tract
599.81	Urethral hypermobility
599.82	Intrinsic (urethral) sphincter deficiency (ISD)
599.83	Urethral instability
599.84	Other specified disorders of urethra
625.6	Stress incontinence, female
788.3	Urinary incontinence
788.30	Urinary incontinence unspecified
788.31	Urge incontinence
788.32	Stress incontinence, male
788.33	Mixed incontinence, male and female
788.34	Incontinence without sensory awareness
788.36	Nocturnal enuresis
788.37	Continuous Leakage
788.39	Other urinary incontinence

Table 4-2. Prevalence of stress urinary incontinence among adult females, 2001-2008 (merged), count, percent^f

	Total Count	Difficulty Controlling Bladder					
		Yes		No		Refused to Answer or Don't Know	
		Count	Percent	Count	Percent	Count	Percent
Total	99,142,845	41,441,531	41.80%	57,530,091	58.03%	†	†
Age							
18-24	6,044,968	1,296,109	21.44%	4,748,859	78.56%	†	†
25-34	15,442,667	4,338,795	28.10%	11,052,844	71.57%	†	†
35-44	20,295,974	8,132,933	40.07%	12,163,040	59.93%	†	†
45-54	22,714,794	10,682,105	47.03%	12,027,586	52.95%	†	†
55-64	13,734,065	6,716,912	48.91%	7,004,106	51.00%	†	†
65-74	10,948,331	5,582,235	50.99%	5,326,928	48.66%	†	†
75-84	8,354,221	3,957,845	47.38%	4,360,507	52.20%	†	†
85+	1,607,826	734,598	45.69%	846,220	52.63%	†	†
Race/ethnicity							
Mexican American	6,824,264	2,913,188	42.69%	3,908,145	57.27%	†	†
Other Hispanic	4,380,785	1,531,411	34.96%	2,849,374	65.04%	†	†
Non-Hispanic White	71,362,072	31,811,064	44.58%	39,432,327	55.26%	†	†
Non-Hispanic Black	11,438,566	3,310,183	28.94%	8,106,523	70.87%	†	†
Other ^b	5,137,157	1,875,683	36.51%	3,233,723	62.95%	†	†
Education							
< 9th grade	6,504,075	2,922,882	44.94%	3,556,030	54.67%	†	†
9-11th grade	11,545,097	4,997,568	43.29%	6,532,854	56.59%	†	†
High school graduate ^c	78,114,878	32,484,740	41.59%	45,536,114	58.29%	†	†
Refused	†	†	†	†	†	†	†
Don't Know	†	†	†	†	†	†	†

† Figure does not meet standard for reliability or precision.

^aPercent calculated using total count within each demographic group.

^bIncluding multi-racial.

^cGED or equivalent.

NOTE: The data in this table are based on question K1Q.042: During the past 12 months, (have you/has sample person) leaked or lost control of even a small amount of urine with an activity like coughing, lifting or exercise?

SOURCE: National Health and Nutrition Examination Survey, 2001-2008.

Table 4-3. Prevalence of non-stress urinary incontinence among adult females, 2001-2008 (merged), count, percent^a

	Total Count	Difficulty Controlling Bladder					
		Yes		No		Refused to Answer or Don't Know	
		Count	Percent	Count	Percent	Count	Percent
Total	99,094,515	9,428,239	9.51%	89,365,687	90.18%	300,589	0.30%
Age							
18-24	6,031,386	197,042	3.27%	5,834,343	96.73%	† †	
25-34	15,442,667	696,082	4.51%	14,695,559	95.16%	† †	
35-44	20,274,568	1,191,369	5.88%	19,075,581	94.09%	† †	
45-54	22,714,794	1,904,181	8.38%	20,798,914	91.57%	† †	
55-64	13,734,065	1,484,459	10.81%	12,197,317	88.81%	† †	
65-74	10,934,988	1,818,069	16.63%	9,059,521	82.85%	† †	
75-84	8,354,221	1,672,262	20.02%	6,606,547	79.08%	† †	
85+	1,607,826	464,776	28.91%	1,097,907	68.29%	† †	
Race/ethnicity							
Mexican American	6,824,264	471,253	6.91%	6,349,118	93.04%	† †	
Other Hispanic	4,380,785	376,396	8.59%	4,001,973	91.35%	† †	
Non-Hispanic White	71,327,324	7,309,201	10.25%	63,790,836	89.43%	† †	
Non-Hispanic Black	11,438,566	904,151	7.90%	10,495,176	91.75%	† †	
Other ^b	5,123,575	† †		4,728,585	92.29%	† †	
Education							
< 9th grade	6,504,075	1,088,095	16.73%	5,373,175	82.61%	† †	
9-11th grade	11,545,097	1,321,813	11.45%	10,180,978	88.18%	† †	
High school graduate ^c	78,066,547	6,787,837	8.69%	71,100,591	91.08%	† †	
Refused	†	† †		† †		† †	
Don't Know	†	† †		† †		† †	

† Figure does not meet standard for reliability or precision.

^aPercent calculated using total count within each demographic group.

^bIncluding multi-racial.

^cGED or equivalent.

NOTE: The data in this table are based on question KIQ.046: During the past 12 months, {have you/has sample person} leaked or lost control of even a small amount of urine without an activity like coughing, lifting, or exercise, or an urge to urinate?

SOURCE: National Health and Nutrition Examination Survey, 2001-2008.

Table 4-4. Frequency of stress urinary incontinence among adult females who responded "yes" to difficulty controlling bladder during physical activity, 2001-2008 (merged), count, percent^a

	Total Count	Every Day/Night		A Few Times per Week		A Few Times per Month		A Few Times per Year		Refused to Answer or Don't Know	
		Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Total	41,441,531	14,505,034	35.00%	10,561,926	25.49%	7,442,459	17.96%	8,852,218	21.36%	† †	
Age											
18-24	1,296,109	578,066	44.60%	234,223	18.07%	† †		† †		† †	
25-34	4,338,795	1,372,891	31.64%	991,734	22.86%	810,444	18.68%	1,161,932	26.78%	† †	
35-44	8,132,933	3,104,362	38.17%	1,605,101	19.74%	1,311,573	16.13%	2,102,733	25.85%	† †	
45-54	10,682,105	3,302,420	30.92%	3,020,199	28.27%	2,053,365	19.22%	2,306,121	21.59%	† †	
55-64	6,716,912	2,349,066	34.97%	1,962,263	29.21%	1,150,841	17.13%	1,235,130	18.39%	† †	
65-74	5,582,235	2,038,415	36.52%	1,586,210	28.42%	1,041,419	18.66%	898,381	16.09%	† †	
75-84	3,957,845	1,438,658	36.35%	1,020,342	25.78%	738,093	18.65%	735,230	18.58%	† †	
85+	734,598	321,158	43.72%	† †		† †		† †		† †	
Race/ethnicity											
Mexican American	2,913,188	983,908	33.77%	831,814	28.55%	540,164	18.54%	550,819	18.91%	† †	
Other Hispanic	1,531,411	556,182	36.32%	397,034	25.93%	259,517	16.95%	312,711	20.42%	† †	
Non-Hispanic White	31,811,064	11,031,431	34.68%	8,147,197	25.61%	5,650,716	17.76%	6,926,888	21.78%	† †	
Non-Hispanic Black	3,310,183	1,225,310	37.02%	799,818	24.16%	633,927	19.15%	638,517	19.29%	† †	
Other ^b	1,875,683	708,202	37.76%	† †		† †		423,283	22.57%	† †	
Education											
< 9th grade	2,922,882	1,026,997	35.14%	760,590	26.02%	649,407	22.22%	481,204	16.46%	† †	
9-11th grade	4,997,568	1,762,728	35.27%	1,385,430	27.72%	858,552	17.18%	965,408	19.32%	† †	
High school graduate ^c	32,484,740	11,402,903	35.10%	8,090,527	24.91%	5,748,574	17.70%	7,192,976	22.14%	† †	
Refused	†	† †		† †		† †		† †		† †	
Don't Know	†	† †		† †		† †		† †		† †	

† Figure does not meet standard for reliability or precision.

^aPercent calculated using total count within each demographic group.^bIncluding multi-racial.^cGED or equivalent.

NOTE: The data in this table are based on question KIQ.043: How frequently does this (referring to KIQ.042) occur? Would you say this occurs...every day, a few times a week, a few times a month, or a few times a year?

SOURCE: National Health and Nutrition Examination Survey, 2001-2008.

Table 4-5. Frequency of non-stress urinary incontinence among adult females who responded "yes" to difficulty controlling bladder without any physical activity, 2001-2008 (merged), count, percent

Total Count	Every Day/Night		A Few Times per Week		A Few Times per Month		A Few Times per Year		Refused to Answer or Don't Know	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
9,428,239	2,800,262	29.70%	2,801,176	29.71%	1,589,250	16.86%	2,178,827	23.11%	† †	

† Figure does not meet standard for reliability or precision.

NOTE: The data in this table are based on question KIQ.047: How frequently does this (referring to KIQ.046) occur? Would you say this occurs...every day, a few times a week, a few times a month, or a few times a year?

SOURCE: National Health and Nutrition Examination Survey, 2001-2008.

Table 4-6. Nationally representative inpatient stays for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=48,582)		2003 (N=40,709)		2004 (N=35,245)		2005 (N=33,525)		2006 (N=26,822)		2007 (N=24,482)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	43.7	44.3	36.2	36.5	31.8	31.8	29.8	29.8	23.6	23.5	21.3	21.1
Age												
18-24	2.1*		1.6*		1.2*		1.7*		1.2*		0.8*	
25-34	11.3*		9.2*		9.3*		8.8*		6.7*		5.3*	
35-39	29.0*		23.7		23.9		22.8		17.3		14.9	
40-44	43.4		38.4		36.7		32.6		23.5		24.5	
45-54	61.8		53.3		43.7		42.1		32.0		28.6	
55-64	78.3		62.6		48.8		43.9		35.1		31.5	
▶ 65-74	94.4		72.2		60.2		55.3		47.6		42.6	
75-84	50.2*		40.5*		46.0*		46.2*		38.8*		32.1*	
85+	30.0*		28.0*		27.7*		25.8*		18.8*		22.4*	
Race/ethnicity												
▶ White	29.8	31.4	29.6	29.9	25.9	26.0	25.4	25.4	19.3	19.2	18.0	17.9
Black	10.8*	11.0	11.4*	11.4	8.6*	8.6	6.8*	6.8	7.1*	7.0	7.6*	7.5
Hispanic	†	†	25.5*	26.1	21.6*	21.8	18.3*	18.3	16.9*	16.6	17.5*	17.1
Asian	9.3*	11.3	7.5*	8.6	8.1*	9.2	6.0*	6.8	4.0*	4.5	4.7*	4.7
Other	65.0*	63.4	33.9*	34.3	29.5*	36.4	33.3*	33.3	28.3*	27.6	27.5*	27.3
Region												
Northeast	36.0	36.7	28.6	29.1	26.4	26.6	27.5	27.5	20.6	20.7	21.5	21.6
South	47.1	47.9	40.3	40.8	36.6	36.7	30.7	30.7	25.6	25.4	22.2	22.0
▶ Midwest	42.0	41.8	35.8	35.8	29.5	29.4	30.8	30.8	20.6	20.5	20.4	20.1
West	47.1*	48.6	36.6*	36.8	30.9*	30.9	29.4*	29.4	26.0*	25.7	20.6*	20.3

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

† Figure does not meet standard for reliability or precision.

^aRate per 100,000 individuals in the same demographic stratum is based on 2002-2007 population estimates from Current Population Survey (CPS).^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Healthcare Cost and Utilization Project Nationwide Inpatient Sample, 2002-2007.

Table 4-7. Inpatient stays by Medicare beneficiaries for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=15,960)		2003 (N=15,420)		2004 (N=13,160)		2005 (N=10,960)		2006 (N=10,140)		2007 (N=9,020)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	80.0	84.2	75.6	78.8	63.8	68.1	53.1	58.8	50.4	55.3	45.3	48.6
Under 65/65+												
< 65 Years	73.8*	73.8	72.2*	72.2	54.6*	54.6	38.9*	38.9	38.6*	38.6	41.4*	41.4
▶ 65+ Years	81.2	84.2	76.3	78.8	65.9	68.1	56.4	58.8	53.2	55.3	46.2	48.6
Age												
▶ 65-69	99.5		94.9		82.7		65.7		60.5		58.0	
70-74	99.4*		100.6*		80.7*		62.0*		77.3*		67.1*	
75-79	92.7*		89.0*		71.2*		73.0*		52.0*		50.4*	
80-84	66.1*		50.3*		58.5*		44.2*		46.5*		30.2*	
85-89	33.5*♦		24.5*♦		21.8*♦		32.9*♦		22.0*♦		15.7*♦	
90-94	16.8*♦		27.3*♦		18.8*♦		15.9*♦		16.1*♦		10.7*♦	
95-97	25.3*♦		0.0*♦		0.0*♦		24.5*♦		12.6*♦		0.0*♦	
98+	0.0*♦		0.0*♦		14.1*♦		0.0*♦		0.0*♦		0.0*♦	
Race/ethnicity												
▶ White	86.1	90.1	80.1	83.3	68.7	72.6	57.8	62.4	53.4	58.3	48.8	51.7
Black	32.2*	33.4	36.1*	34.0	26.8*♦	24.2	18.2*♦	27.4	21.8*♦	17.0	18.3*♦	17.3
Hispanic	57.3*♦	51.4	60.4*♦	74.1	21.3*♦	36.1	36.3*♦	23.0	42.4*♦	51.7	41.4*♦	63.5
Asian	42.5*♦	34.3	19.9*♦	45.2	6.3*♦	15.4	5.9*♦	8.4	23.3*♦	30.1	16.7*♦	25.3
Other	100.6*♦	79.9	153.3*♦	106.6	129.9*♦	109.6	78.4*♦	86.9	105.8*♦	107.1	54.6*♦	47.4
Unknown	164.7*♦	...	89.3*♦	...	172.8*♦	...	188.7*♦	...	50.3*♦	...	109.3*♦	...
Region												
▶ Northeast	62.1	67.1	53.0	55.2	36.5	38.9	33.9	35.8	37.4	41.5	33.5	35.6
South	86.6*	90.7	80.8*	85.2	73.1*	80.4	63.1*	70.2	50.7*	55.8	51.9*	54.9
Midwest	75.6*	76.2	72.1*	75.6	59.5*	62.6	49.5*	55.7	48.9*	52.3	38.5*	42.8
West	94.4*	104.6	97.3*	98.3	82.1*	84.4	58.5*	65.1	67.5*	76.0	53.6*	57.6

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-8. Inpatient stays by privately insured individuals for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=3,329)		2003 (N=3,528)		2004 (N=3,197)		2005 (N=3,259)		2006 (N=2,995)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	73.3	129.9	69.7	119.7	61.9	104.3	59.6	102.0	56.4	105.3
Age										
18-24	4.4 ^{*♦}		3.1 ^{*♦}		4.1 ^{*♦}		1.7 ^{*♦}		2.2 ^{*♦}	
25-34	16.3 [*]		20.2 [*]		17.1 [*]		14.4 [*]		16.1 [*]	
35-39	52.3 [*]		53.8 [*]		44.7 [*]		42.4 [*]		44.1 [*]	
40-44	84.1 [*]		80.3 [*]		74.9 [*]		64.5 [*]		65.0 [*]	
45-54	119.3 [*]		109.2 [*]		98.5 [*]		92.5 [*]		89.1 [*]	
55-64	157.9		143.3		115.8 [*]		109.4 [*]		96.9 [*]	
▶ 65-74	155.2		142.5		139.3		129.8		149.4	
75-84	138.9 [*]		142.7 [*]		104.9 [*]		136.5 [*]		167.8 [*]	
85+	...		84.3 [*]		78.8 [*]		96.0 [*]		115.6 [*]	
Race/ethnicity										
▶ White	83.0	130.8	80.5	132.8	68.0	111.0	64.7	108.4	61.5	112.7
Black	47.4 [*]	72.8	50.8 [*]	83.8	36.5 [*]	66.1	33.8 [*]	56.8	31.0 [*]	60.7
Hispanic	87.5 [*]	179.1	80.0 [*]	145.2	61.0 [*]	113.7	60.9 [*]	115.2	65.6 [*]	129.4
Asian	40.5 ^{*♦}	107.5	30.5 [*]	63.8	25.9 [*]	60.5	24.5 [*]	62.8	18.8 [*]	46.2
Other	63.3 ^{*♦}	135.8	59.0 ^{*♦}	119.4	42.0 ^{*♦}	90.6	72.7 [*]	148.5	45.4 ^{*♦}	107.6
Unknown	66.9 [*]	...	66.9 [*]	...	57.2 [*]	...	50.0 [*]	...	52.0 [*]	...
Missing	68.1 [*]	...	59.3 [*]	...	55.8 [*]	...	55.6 [*]	...	46.9 [*]	...
Region										
Northeast	49.3 [*]	88.5	51.2 [*]	95.4	44.9 [*]	79.2	44.2 [*]	87.4	42.7 [*]	89.1
South	84.5 [*]	142.1	77.7 [*]	126.8	71.0 [*]	117.8	63.0 [*]	102.6	61.0 [*]	110.3
▶ Midwest	68.5	123.8	64.4	110.5	55.8	94.2	56.4	97.4	50.8	98.2
West	71.4 [*]	143.5	73.7 [*]	156.8	62.7 [*]	110.0	68.4 [*]	121.9	63.8 [*]	116.4

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-9. Inpatient procedures among privately insured individuals for female urinary incontinence, any cause, listed as primary diagnosis, or any diagnosis, count, rate^a

	2002		2003		2004		2005		2006	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate
Primary Diagnosis										
Total	2,815	10,037	4,047	10,859	4,008	10,290	4,311	9,736	3,967	9,534
Age										
18-24	8	1,223	3	365.0	6	726.0	2	236.0	3	337.0
25-34	91	3,762	206	6,151	189	5,736	189	5,328	175	4,977
35-39	704	27,970	989	29,549	1,051	30,731	1,004	27,689	980	25,508
45-54	1,004	12,101	1,449	12,964	1,431	12,528	1,526	11,949	1,518	11,623
55-64	709	12,052	1,004	12,756	919	10,823	1,033	10,569	911	9,249
65-74	193	8,294	283	9,408	293	8,990	345	8,325	275	9,735
75-84	106	4,621	104	4,969	107	4,542	187	6,003	92	5,450
85+	...	...	9	1,255	12	1,465	25	2,392	13	2,421
Any Diagnosis										
Total	3,505	7,337	4,984	7,863	5,215	7,942	5,670	7,524	5,366	7,764
Age										
18-24	9	818.0	5	354.0	10	707.0	5	353.0	4	278.0
25-34	138	3,415	284	4,966	267	4,814	273	4,557	274	4,738
35-39	917	22,220	1,265	23,500	1,407	25,356	1,397	23,638	1,410	22,779
45-54	1,265	9,030	1,751	9,312	1,888	9,936	2,062	9,614	2,037	9,434
55-64	820	8,116	1,194	8,869	1,139	8,031	1,248	7,463	1,181	7,086
65-74	230	5,668	347	6,654	354	6,165	439	6,035	339	7,120
75-84	126	2,940	126	3,252	138	3,149	217	3,803	108	3,675
85+	...	...	12	813.0	12	728.0	29	1,365	13	1,272

... Data unavailable.

^aRate per 100,000 based on patients with diagnosis of urinary incontinence in the same calendar year.

NOTE: Counts less than 30 should be interpreted with caution.

SOURCE: I3 Claims Database, 2002-2006.

Table 4-10. Hospital outpatient visits by Medicare beneficiaries for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=52,920)		2003 (N=50,400)		2004 (N=53,280)		2005 (N=56,500)		2006 (N=58,520)		2007 (N=56,140)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	265.2	268.1	247.1	247.2	258.4	259.1	274.0	274.0	291.0	289.9	281.8	287.6
Under 65/65+												
< 65 Years	273.7*	273.7	248.6	248.6	262.8*	262.8	304.2*	304.2	300.0*	300.0	260.2*	260.2
▶ 65+ Years	263.5	268.1	246.8	247.2	257.5	259.1	267.0	274.0	288.9	289.9	287.1	287.6
Age												
▶ 65-69	231.7		216.7		213.9		223.2		227.5		238.2	
70-74	249.6*		254.4*		251.8*		252.5*		300.1*		274.2*	
75-79	276.4*		273.8*		259.1*		285.9*		289.7*		305.0*	
80-84	303.4*		257.5*		320.1*		313.7*		308.9*		326.5*	
85-89	318.6*		239.2*		290.0*		347.6*		376.9*		336.0*	
90-94	238.1*		237.5*		260.4*		212.1*		341.3*		339.5*	
95-97	202.4*♦		298.0*♦		220.8*♦		134.6*♦		314.4*♦		227.5*♦	
98+	57.2*♦		127.5*♦		126.6*♦		123.6*♦		122.5*♦		150.3*♦	
Race/ethnicity												
▶ White	261.1	264.4	236.2	236.2	242.6	243.3	265.9	264.8	291.5	291.2	284.0	292.8
Black	248.7*	251.7	283.2*	301.3	322.5*	337.3	285.6*	317.7	278.1*	284.9	252.1*	241.7
Hispanic	292.0*	278.9	302.1*	242.9	410.4*	425.7	497.3*	465.1	259.7*	207.3	284.4*	326.9
Asian	127.4*♦	112.6	139.2*♦	130.7	119.2*♦	132.3	76.4*♦	84.3	139.6*♦	182.4	166.9*	194.0
Other	650.5*	686.8	625.6*	706.9	643.8*	651.3	515.0*	598.4	490.0*	545.0	436.6*	400.0
Unknown	617.5*♦	...	312.6*♦	...	259.2*♦	...	518.9*♦	...	552.8*♦	...	382.5*♦	...
Region												
▶ Northeast	281.2	269.9	268.1	275.2	294.5	287.0	326.8	314.8	356.0	343.5	321.6	313.2
South	191.4*	193.7	186.5*	183.5	169.0*	164.3	179.8*	173.3	178.2*	173.6	182.6*	177.3
Midwest	341.1*	347.9	301.2*	298.1	335.2*	339.3	349.3*	363.7	373.3*	375.6	370.5*	391.8
West	302.5*	315.3	281.4*	283.7	308.6*	323.7	315.5*	323.5	351.6*	365.9	332.0*	362.0

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-11. Hospital outpatient visits by privately insured individuals for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=8,277)		2003 (N=8,797)		2004 (N=8,663)		2005 (N=9,947)		2006 (N=9,426)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	182.3	362.1	173.7	346.5	167.8	313.1	181.8	322.8	177.5	332.8
Age										
18-24	19.6*		19.0*		18.5*		21.4*		17.2*	
25-34	52.7*		51.2*		53.5*		54.3*		54.4*	
35-39	114.4*		116.1*		117.8*		123.5*		130.5*	
40-44	150.1*		158.0*		173.3*		178.0*		195.7*	
45-54	250.7*		251.6*		239.5*		255.0*		270.8*	
55-64	354.7*		308.2*		300.4*		326.0*		317.0*	
▶ 65-74	528.1		550.0		352.9		374.0		462.4	
75-84	797.0*		697.4*		727.3*		666.5*		529.3*	
85+	...		391.8*		254.9*		304.9*		477.7*	
Race/ethnicity										
▶ White	198.0	322.7	193.4	319.4	176.4	293.7	194.0	315.4	197.4	349.3
Black	137.3*	244.2	121.8*	203.2	99.1*	160.0	101.0*	159.1	95.4*	199.2
Hispanic	161.2*	269.0	145.6*	258.1	137.3*	236.4	141.5*	246.8	148.3*	270.6
Asian	85.3*	198.3	86.6*	214.1	51.1*	104.2	72.1*	172.3	62.1*	154.0
Other	79.2*♦	161.1	151.1*	266.2	141.7*	234.3	155.0*	276.7	119.6*	243.1
Unknown	172.6*	...	174.9*	...	166.7*	...	172.4*	...	174.1*	...
Missing	179.3*	...	162.9*	...	192.5*	...	206.4*	...	161.0*	...
Region										
Northeast	119.9*	223.8	111.1*	208.9	154.8*	269.5	175.8*	311.8	181.8*	324.9
South	154.4*	259.8	152.7*	251.4	156.3*	265.6	163.8*	269.0	168.2*	293.7
▶ Midwest	267.9	536.2	251.1	519.2	219.2	415.3	232.6	412.2	212.2	421.7
West	92.6*	194.0	99.5*	215.5	91.9*	179.8	131.5*	249.7	136.5*	278.0

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-12. Nationally representative hospital outpatient visits for female urinary incontinence, any cause, listed as primary diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	461,053
Age	
40-44	72,304
45-54	119,673
55-64	67,138
65-74	97,976
75-84	24,000
85+	79,962
Race/ethnicity	
White	339,866
Black	105,084
Hispanic	13,998
Asian	637
Other	1,468
Region	
Northeast	123,347
South	203,773
Midwest	104,906
West	29,027

SOURCE: National Ambulatory Medical Care Survey, 2002-2007; National Hospital Ambulatory Medical Care Survey, 2002-2007.

Table 4-13. Ambulatory surgery center visits by Medicare beneficiaries for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=25,300)		2003 (N=24,280)		2004 (N=27,140)		2005 (N=25,400)		2006 (N=27,200)		2007 (N=28,260)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	157.8	168.8	158	167.9	170.1	182.7	164.4	175.7	182.5	195.1	187.6	206.6
Under 65/65+												
< 65 Years	135.1*	135.1	135.5*	135.5	146.5*	146.5	143.8*	143.8	161.2*	161.2	150.8*	150.8
▶ 65+ Years	162.4	168.8	162.7	167.9	175.2	182.7	169.1	175.7	187.5	195.1	196.7	206.6
Age												
▶ 65-69	166.3		153.1		162.5		180.8		192.3		195.5	
70-74	182.6*		185.4*		226.5*		178.4*		226.2*		221.3*	
75-79	194.6*		214.4*		203.9*		211.2*		197.5*		223.6*	
80-84	146.7*		159.1*		171.7*		168.8*		201*		217.1*	
85-89	132.7*		99.4*		123.8*		108.5*		133.4*		161.4*	
90-94	61.6*♦		62.8*♦		48.3*♦		66.3*♦		77.9*♦		64.2*♦	
95-97	25.3*♦		37.2*♦		36.8*♦		24.5*♦		12.6*♦		25.3*♦	
98+	...		14.2*♦		...		...		13.6*♦		...	
Race/ethnicity												
▶ White	170.5	182.3	169.9	180.9	184.7	197.5	181	192	201.1	215	204.7	224.8
Black	83.6*	79.8	74.2*	61.8	80.4*	78.3	65.2*	65.9	77.5*	56.1	89.4*	83
Hispanic	103.1*♦	95.6	82.4*♦	81.1	74.6*♦	79.3	124.3*♦	106.8	74.2*♦	64.3	87.9*♦	123.7
Asian	28.3*♦	38.5	33.1*♦	42.6	31.4*♦	54.3	...	...	64*♦	101.4	66.8*♦	92.5
Other	114*♦	92.9	220.8*	237.4	194.9*	250.5	123.2*♦	145.7	105.8*♦	106	147.3*♦	175.8
Unknown	164.7*♦	...	357.3*♦	...	259.2*♦	...	235.8*♦	...	301.5*♦	...	273.2*♦	...
Region												
▶ Northeast	120.2	129	124.5	132.3	137.3	150.9	136.9	139.3	149	157.5	162.6	183.4
South	171.4*	179.8	180.4*	195.8	187.1*	204.7	188.4*	205.4	190.9*	207.4	204.9*	225.3
Midwest	196.2*	210.1	176.6*	179.3	197.7*	205.8	186.2*	193.5	227.3*	230.4	210.4*	225.3
West	109.9*	123.2	115.9*	126.6	126.2*	134	107.5*	122.6	134.5*	156.1	143.6*	159.6

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-14. Ambulatory surgery center visits by privately insured individuals for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,199)		2003 (N=1,155)		2004 (N=1,064)		2005 (N=1,343)		2006 (N=1,450)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	26.4	42.0	22.8	36.0	20.6	33.5	24.5	37.1	27.3	45.5
Age										
18-24	2.0*♦		1.2*♦		1.5*♦		1.3*♦		1.9*♦	
25-34	9.5*		7.4*		6.1*		7.9*		8.9*	
35-39	17.9*		17.1*		12.4*		18.7*		19.5*	
40-44	34.7		27.9*		26.3*		30.4*		34.4*	
45-54	46.5		39.0		36.3		38.7		42.8*	
55-64	49.0*		46.6*		37.1		48.8*		50.3	
▶ 65-74	38.4		35.6		35.9		37.7		58.9	
75-84	31.3*		29.1*		32.6*		29.2*		45.2*♦	
85+	...		5.0*♦		13.9*♦		5.6*♦		38.5*	
Race/ethnicity										
▶ White	33.7	45.8	28.3	42.4	22.8	36.1	27.2	39.0	30.2	49.2
Black	16.1*♦	25.1	14.7*♦	23.4	15.7*	26.0	12.2*	22.6	14.7*	28.1
Hispanic	26.0*	33.9	30.4*	50.8	20.1*	37.1	22.4*	38.1	30.9*	51.9
Asian	21.7*♦	46.3	5.9*♦	10.2	4.9*♦	10.2	7.7*♦	14.3	8.2*♦	20.2
Other	15.8*♦	28.1	3.7*♦	19.3	21.0*♦	52.4	17.0*♦	34.6	35.9*♦	110.6
Unknown	30.9*	...	25.7*	...	20.0*	...	21.7*	...	25.3*	...
Missing	21.5*	...	16.6*	...	16.9*	...	23.1*	...	20.5*	...
Region										
Northeast	15.3*	25.7	16.5*	25.4	11.9*	19.9	13.5*	23.7	16.7*	30.8
South	34.5*	54.7	27.9*	44.1	22.4	37.7	25.8*	39.6	29.9	51.5
▶ Midwest	23.7	37.6	21.5	34.3	24.6	37.8	29.8	43.1	30.9	47.3
West	17.0*	29.9	15.0*	32.5	12.7*	23.4	18.0*	29.0	20.9*	37.3

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-15. Nationally representative ambulatory surgery center visits for female urinary incontinence, any cause, listed as primary diagnosis, count, rate^a

	Count	Rate
Total	155,566	137.1
Age		
18-24	71	0.5*
25-34	3,596	18.3*
35-39	9,594	91.8*
40-44	12,769	113.0
45-54	44,570	204.2
55-64	40,192	249.6
▶ 65-74	22,294	222.3
75-84	14,949	195.9*
85+	7,531	283.2*

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

^aRate per 100,000 individuals in the same demographic stratum is based on 2006 population estimates from Current Population Survey (CPS).

SOURCE: National Survey of Ambulatory Surgery, 2006.

Table 4-16. Physician office visits by Medicare beneficiaries for female urinary incontinence, any cause, listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,126,180)		2003 (N=1,158,920)		2004 (N=1,191,860)		2005 (N=1,261,200)		2006 (N=1,263,820)		2007 (N=1,281,280)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	5,644	6,214	5,682	6,271	5,781	6,362	6,116	6,788	6,285	7,035	6,430	7,257
Under 65/65+												
< 65 Years	3,350*	3,350	3,360*	3,360	3,602*	3,602	3,737*	3,737	3,656*	3,656	3,586*	3,586
▶ 65+ Years	6,109	6,214	6,175	6,271	6,258	6,362	6,662	6,788	6,904	7,035	7,137	7,257
Age												
▶ 65-69	4,849		4,790		4,812		4,985		5,232		5,225	
70-74	6,008*		5,917*		6,004*		6,265*		6,578*		6,911*	
75-79	6,969*		7,100*		7,314*		7,754*		7,969*		8,148*	
80-84	7,294*		7,479*		7,553*		8,311*		8,502*		8,905*	
85-89	6,775*		7,053*		7,105*		7,910*		8,165*		8,509*	
90-94	5,269*		5,518*		5,667*		5,942*		6,251*		6,790*	
95-97	3,403*		4,023*		4,219*		4,234*		4,665*		5,840*	
98+	1,286*		1,615*		1,266*		1,881*		1,715*		2,036*	
Race/ethnicity												
▶ White	5,973	6,529	6,014	6,583	6,056	6,609	6,477	7,126	6,676	7,398	6,842	7,637
Black	3,040*	3,406	3,090*	3,490	3,362*	3,769	3,245*	3,665	3,367*	3,855	3,417*	4,008
Hispanic	4,099*	4,243	4,680*	4,782	4,925*	4,841	5,563*	5,781	5,677*	5,975	5,880*	6,364
Asian	2,979*	3,047	3,076*	3,040	4,090*	4,439	4,038*	4,293	4,020*	4,355	4,351*	4,734
Other	7,987*	9,250	7,446*	9,003	8,546*	10,317	7,384*	8,659	6,531*	8,153	5,921*	7,188
Unknown	9,345*	...	8,754*	...	9,762*	...	9,858*	...	10,101*	...	10,492*	...
Region												
▶ Northeast	4,885	5,394	4,974	5,482	5,250	5,749	5,494	6,074	5,712	6,345	5,831	6,530
South	5,985*	6,565	6,125*	6,759	6,140*	6,757	6,579*	7,281	6,850*	7,692	6,973*	7,908
Midwest	5,325*	5,860	5,186*	5,677	5,298*	5,790	5,498*	6,053	5,733*	6,333	5,948*	6,591
West	6,321*	7,059	6,298*	7,086	6,336*	7,115	6,727*	7,675	6,489*	7,455	6,596*	7,630

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-17. Physician office visits by privately insured individuals for female stress urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=80,200)		2003 (N=85,509)		2004 (N=90,673)		2005 (N=105,493)		2006 (N=96,392)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1,767	3,205	1,689	3,089	1,757	3,217	1,928	3,435	1,815	3,556
Age										
18-24	238.6*		201.8*		209.3*		214.8*		210.8*	
25-34	570.8*		568.4*		571.3*		608.5*		591.8*	
35-39	1,211*		1,169*		1,198*		1,276*		1,312*	
40-44	1,748*		1,732*		1,809*		1,867*		1,926*	
45-54	2,560*		2,480*		2,467*		2,625*		2,639*	
55-64	3,542*		3,254*		3,283*		3,473*		3,286*	
▶ 65-74	4,253		3,945		4,140		4,499		4,770	
75-84	5,181*		4,992*		5,482*		6,063*		6,974*	
85+	...		4,325*		5,145*		5,127*		5,359*	
Race/ethnicity										
▶ White	2,061	3,507	1,996	3,526	1,895	3,411	2,056	3,629	1,959	3,794
Black	1,493*	2,458	1,349*	2,309	1,259*	2,216	1,355*	2,284	1,189*	2,333
Hispanic	1,791*	3,209	1,762*	3,295	1,701*	3,155	1,787*	3,236	1,959*	3,576
Asian	1,025*	2,436	913.7*	2,123	792.2*	1,769	852.0*	1,793	832.9*	1,942
Other	1,747*	3,353	1,677*	3,261	1,562*	3,173	1,751*	3,224	1,595*	3,266
Unknown	1,963*	...	1,900*	...	1,598*	...	1,835*	...	1,718*	...
Missing	1,567*	...	1,344*	...	1,636*	...	1,897*	...	1,545*	...
Region										
Northeast	1,288*	2,373	1,270*	2,373	1,351*	2,501	1,437*	2,617	1,458*	2,952
South	1,818*	3,227	1,777	3,165	1,827*	3,361	2,020*	3,579	1,922*	3,711
▶ Midwest	1,917	3,396	1,780	3,199	1,857	3,286	1,986	3,410	1,741	3,400
West	1,607*	3,326	1,542*	3,291	1,648*	3,296	1,918*	3,716	1,912*	3,786

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-18. Nationally representative physician office visits for female urinary incontinence, any cause, listed as any diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	13,356,694
Age	
40-44	907,408
45-54	2,297,018
55-64	2,969,697
65-74	3,276,317
75-84	2,750,143
85+	1,156,111
Race/ethnicity	
White	11,622,212
Black	1,243,801
Hispanic	490,681
Region	
Northeast	2,240,155
South	5,346,508
Midwest	3,218,344
West	2,551,687

SOURCE: National Ambulatory Medical Care Survey, 2002-2007; National Hospital Ambulatory Medical Care Survey, 2002-2007.

Table 4-19. Emergency room visits by Medicare beneficiaries for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=2,340)		2003 (N=2,420)		2004 (N=2,180)		2005 (N=2,420)		2006 (N=2,220)		2007 (N=2,280)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	11.7	10.7	11.9	10.1	10.6	9.5	11.7	9.5	11.0	9.2	11.4	10.2
Under 65/65+												
< 65 Years	14.3 ^{*♦}	14.3	16.2 ^{*♦}	16.2	15.1 ^{*♦}	15.1	18.7 [*]	18.7	16.7 [*]	16.7	15.6 [*]	15.6
▶ 65+ Years	11.2	10.7	10.9	10.1	9.6	9.5	10.1	9.5	9.7	9.2	10.4	10.2
Age												
▶ 65-69	11.4 [♦]		9.1 [♦]		4.2 [♦]		5.1 [♦]		5.7 [♦]		7.2 [♦]	
70-74	10.5 ^{*♦}		5.8 ^{*♦}		7.0 ^{*♦}		7.7 ^{*♦}		9.2 ^{*♦}		5.9 ^{*♦}	
75-79	9.8 ^{*♦}		10.8 ^{*♦}		10.9 ^{*♦}		9.5 ^{*♦}		7.4 ^{*♦}		10.3 ^{*♦}	
80-84	13.7 ^{*♦}		19.2 ^{*♦}		14.6 ^{*♦}		14.5 ^{*♦}		11.2 ^{*♦}		14.7 ^{*♦}	
85-89	7.4 ^{*♦}		7.4 ^{*♦}		15.8 ^{*♦}		15.9 ^{*♦}		17.1 ^{*♦}		18.1 ^{*♦}	
90-94	19.6 ^{*♦}		21.8 ^{*♦}		10.7 ^{*♦}		21.2 ^{*♦}		21.5 ^{*♦}		10.7 ^{*♦}	
95-97	12.7 ^{*♦}		12.4 ^{*♦}		36.8 ^{*♦}		36.7 ^{*♦}		12.6 ^{*♦}		37.9 ^{*♦}	
98+	14.3 ^{*♦}		28.3 ^{*♦}		...		0.0 ^{*♦}		13.6 ^{*♦}		13.7 ^{*♦}	
Race/ethnicity												
▶ White	10.2	9.2	10.4	8.6	9.9	9.1	10.1	9.2	10.8	8.8	10.8	9.4
Black	26.2 ^{*♦}	27.1	22.5 ^{*♦}	25.4	18.2 ^{*♦}	15.7	25.9 ^{*♦}	16.6	12.9 ^{*♦}	15.3	19.3 ^{*♦}	24.1
Hispanic	11.5 ^{*♦}	13.9	22.0 ^{*♦}	31.8	5.3 ^{*♦}	30.0	10.4 ^{*♦}	7.0	...	...	5.2 ^{*♦}	...
Asian	0.0 ^{*♦}	0.0	...	...	...	...	...	...	...	...	5.6 ^{*♦}	21.7
Other	6.7 ^{*♦}	57.7	24.5 ^{*♦}	27.6	17.7 ^{*♦}	18.1	16.8 ^{*♦}	0.0	22.3 ^{*♦}	81.1	10.9 ^{*♦}	20.4
Unknown	41.2^{*♦}	...	...	...	...	...	47.2 ^{*♦}	...	100.5^{*♦}	...	...	...
Region												
▶ Northeast	8.4 [♦]	8.5	9.7 [♦]	9.6	8.3 [♦]	9.8	10.3 [♦]	11.1	10.6 [♦]	9.4	9.1 [♦]	10.3
South	14.0 [*]	13.3	12.4 [*]	10.3	8.5 [*]	7.8	13.6 [*]	10.4	10.8 [*]	10.6	10.4 [*]	8.7
Midwest	13.3 [*]	12.0	13.5 [*]	11.0	13.8 [*]	9.6	10.4 ^{*♦}	7.3	9.1 ^{*♦}	7.7	12.2 [*]	10.4
West	7.8 ^{*♦}	4.9	10.5 ^{*♦}	8.8	13.3 ^{*♦}	13.2	11.2 ^{*♦}	9.1	15.1 ^{*♦}	8.2	15.5 ^{*♦}	13.0

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-20. Emergency room visits by privately insured individuals for female urinary incontinence, any cause, listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=296)		2003 (N=541)		2004 (N=392)		2005 (N=261)		2006 (N=294)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	6.5	10.2	10.7	17.4	7.6	12.3	4.8	8.1	5.5	8.9
Age										
18-24	2.5*		2.4**		2.2**		0.3**		1.2**	
25-34	4.1		4.1*		1.9**		0.8**		1.3**	
35-39	3.4*		4.7**		4.2**		2.8**		3.2**	
40-44	6.0		11.2		7.6		4.0**		4.6**	
45-54	9.5*		16.0		11.5		6.0		7.9	
55-64	11.4*		27.6*		19.0*		14.6*		14.9	
▶ 65-74	4.7*		15.7*		9.7*		8.1*		10.3*	
75-84	23.3*		13.1**		10.0**		5.8**		3.2**	
85+	...		14.9**		16.2**		11.3**		11.6**	
Race/ethnicity										
▶ White	5.9	8.1	8.2	12.0	6.8	9.8	3.2	5.6	3.1	4.5
Black	8.8**	25.0	14.7**	19.6	10.0**	19.8	8.3**	17.8	8.9**	18.1
Hispanic	3.0**	8.2	21.9*	45.7	12.6*	29.2	8.0*	17.3	13.5*	30.6
Asian	...	...	3.9**	32.3	1.4**	4.8	1.3**	56.0	...	...
Other	37.0**	235.1	7.4**	119.0	...	...	...	...	...	...
Unknown	2.8**	...	9.4**	...	4.2**	...	3.6**	...	5.0**	...
Missing	7.4*	...	12.4*	...	10.8*	...	10.6*	...	13.3*	...
Region										
Northeast	6.6	12.8	4.6**	7.0	2.3**	6.1	0.3**	...	0.7**	1.1
South	7.1	11.8	15.9*	25.4	12.5*	21.0	8.3*	13.7	10.2*	18.1
▶ Midwest	6.6	8.8	7.8	12.5	4.7	7.0	3.2	5.6	2.8	5.0
West	4.4**	7.5	6.4*	12.0	3.1**	4.0	0.9**	7.3	0.7**	2.2

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

**Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-21. Surgical procedures among Medicare beneficiaries for treatment of female urinary incontinence, count,^a rate^b

	2002		2003		2004		2005		2006		2007	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate
Total	49,340	10,062	48,020	9,659	48,600	9,678	46,620	9,113	48,700	9,542	49,900	9,857
Anterior urethropexy, e.g. MMK	4,340	885.0	2,480	499.0	1,820	362.0	1,360	266.0	1,080	212.0	820	162.0
Ambulatory Surgery Center	220	45.0	200	40.0	220	44.0	60	12.0	60	12.0	100	20.0
Hospital Outpatient	20	4.0	40	8.0	20	4.0	0	0.0	0	0.0	20	4.0
Inpatient	4,060	828.0	2,200	443.0	1,560	311.0	1,280	250.0	1,020	200.0	700	138.0
Physician Office	40	8.0	40	8.0	20	4.0	20	4.0	0	0.0	0	0.0
Raz-type suspension	1,100	224.0	680	137.0	480	96.0	320	63.0	220	43.0	100	20.0
Ambulatory Surgery Center	300	61.0	140	28.0	120	24.0	160	31.0	40	8.0	40	8.0
Hospital Outpatient	40	8.0	20	4.0	40	8.0	0	0.0	40	8.0	20	4.0
Inpatient	700	143.0	520	105.0	300	60.0	160	31.0	100	20.0	40	8.0
Physician Office	60	12.0	0	0.0	20	4.0	0	0.0	40	8.0	0	0.0
Laparoscopic repair	680	139.0	600	121.0	540	108.0	480	94.0	500	98.0	560	111.0
Ambulatory Surgery Center	360	73.0	400	80.0	380	76.0	260	51.0	400	78.0	340	67.0
Hospital Outpatient	20	4.0	0	0.0	20	4.0	20	4.0	0	0.0	120	24.0
Inpatient	280	57.0	200	40.0	120	24.0	180	35.0	100	20.0	100	20.0
Physician Office	20	4.0	0	0.0	20	4.0	20	4.0	0	0.0	0	0.0
Collagen injection	14,100	2,875	12,100	2,434	11,300	2,250	10,160	1,986	10,980	2,151	11,320	2,236
Ambulatory Surgery Center	9,640	1,966	7,660	1,541	7,520	1,498	6,000	1,173	6,520	1,278	6,600	1,304
Hospital Outpatient	1,360	277.0	1,160	233.0	860	171.0	760	149.0	820	161.0	720	142.0
Inpatient	200	41.0	300	60.0	180	36.0	80	16.0	180	35.0	120	24.0
Physician Office	2,900	591.0	2,980	599.0	2,740	546.0	3,320	649.0	3,460	678.0	3,880	766.0
Hysterectomy with colpo-urethropexy	2,900	591.0	3,320	668.0	2,740	546.0	2,280	446.0	2,440	478.0	3,100	612.0
Ambulatory Surgery Center	980	200.0	1,460	294.0	920	183.0	140	27.0	260	51.0	900	178.0
Hospital Outpatient	40	8.0	20	4.0	80	16.0	0	0.0	100	20.0	120	24.0
Inpatient	1,880	383.0	1,820	366.0	1,700	339.0	2,060	403.0	2,080	408.0	1,960	387.0
Physician Office	0	0.0	20	4.0	40	8.0	80	16.0	0	0.0	120	24.0
Pubovaginal sling	25,840	5,270	28,580	5,749	31,480	6,269	31,640	6,185	33,300	6,525	33,880	6,693
Ambulatory Surgery Center	8,660	1,766	10,820	2,176	14,020	2,792	14,900	2,913	16,560	3,245	18,260	3,607
Hospital Outpatient	940	192.0	1,160	233.0	1,080	215.0	1,000	195.0	1,460	286.0	1,860	367.0
Inpatient	15,520	3,165	15,900	3,198	15,500	3,087	14,780	2,889	14,140	2,771	12,480	2,465
Physician Office	720	147.0	700	141.0	880	175.0	960	188.0	1,140	223.0	1,280	253.0
Pereyra procedure	240	49.0	140	28.0	100	20.0	160	31.0	40	8.0	40	8.0
Ambulatory Surgery Center	60	12.0	0	0.0	60	12.0	40	8.0	20	4.0	40	8.0
Hospital Outpatient	20	4.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Inpatient	140	29.0	140	28.0	40	8.0	100	20.0	20	4.0	0	0.0
Physician Office	20	4.0	0	0.0	0	0.0	20	4.0	0	0.0	0	0.0
Kelly plication	140	29.0	120	24.0	140	28.0	220	43.0	140	27.0	80	16.0
Ambulatory Surgery Center	0	0.0	80	16.0	20	4.0	100	20.0	60	12.0	20	4.0
Hospital Outpatient	20	4.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Inpatient	120	24.0	40	8.0	120	24.0	120	23.0	80	16.0	60	12.0
Physician Office	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

MMK: Marshall-Marchetti-Krantz procedure.

^aUnweighted counts multiplied by 20 to arrive at counts in table.^bRate per 100,000 female adult Medicare beneficiaries with a primary diagnosis of urinary incontinence.

NOTE: Counts less than 600 should be interpreted with caution.

SOURCE: Centers for Medicare and Medicaid Services, 5% Carrier and Outpatient Files, 2002-2007.

Table 4-22. Inpatient stays by Medicare beneficiaries for female fistula-related urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,960)		2003 (N=1,800)		2004 (N=1,740)		2005 (N=1,880)		2006 (N=1,760)		2007 (N=1,480)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	9.8	10.8	8.8	9.0	8.4	9.0	9.1	9.9	8.8	9.3	7.4	7.8
Under 65/65+												
< 65 Years	6.5 ^{*♦}	6.5	9.0 [*]	9.0	5.9 ^{*♦}	5.9	6.2 ^{*♦}	6.2	7.8 ^{*♦}	7.8	7.1 [*]	7.1
▶ 65+ Years	10.5	10.8	8.8	9.0	9.0	9.0	9.8	9.9	9.0	9.3	7.5	7.8
Age												
▶ 65-69	11.9 [*]		8.7 [*]		11.7 [*]		10.7 [*]		10.0 [*]		8.6 [*]	
70-74	10.5 ^{*♦}		7.4 ^{*♦}		7.5 ^{*♦}		11.0 ^{*♦}		8.6 ^{*♦}		11.8 ^{*♦}	
75-79	10.9 ^{*♦}		10.3 ^{*♦}		8.0 ^{*♦}		8.9 ^{*♦}		9.9 ^{*♦}		8.4 ^{*♦}	
80-84	12.2 ^{*♦}		10.4 ^{*♦}		9.5 ^{*♦}		9.4 ^{*♦}		12.7 ^{*♦}		3.1 ^{*♦}	
85-89	7.4 ^{*♦}		8.6 ^{*♦}		7.3 ^{*♦}		8.5 ^{*♦}		3.7 ^{*♦}		3.6 ^{*♦}	
90-94	5.6 ^{*♦}		8.2 ^{*♦}		8.1 ^{*♦}		5.3 ^{*♦}		2.7 ^{*♦}		5.3 ^{*♦}	
95-97	...		0.0 ^{*♦}		0.0 ^{*♦}		24.5 ^{*♦}		0.0 ^{*♦}		...	
98+	...		0.0 ^{*♦}		14.1^{*♦}		...		...		...
Race/ethnicity												
▶ White	10.2	11.0	9.0	9.5	8.4	8.7	9.4	9.7	8.8	9.6	7.9	8.0
Black	11.1 ^{*♦}	17.0	7.8 ^{*♦}	5.6	8.6 ^{*♦}	9.9	7.7 ^{*♦}	13.4	6.0 ^{*♦}	3.8	4.1 ^{*♦}	6.5
Hispanic	0.0 [*]	0.0	5.5 ^{*♦}	9.3	5.3 ^{*♦}	22.5	5.2 ^{*♦}	7.0	5.3 ^{*♦}	21.3	...	...
Asian	...	...	...	...	0.0 ^{*♦}	...	0.0 ^{*♦}	0.0	5.8 ^{*♦}	15.0	11.1 ^{*♦}	57.9
Other	0.0 [*]	0.0	18.4 ^{*♦}	22.8	17.7 ^{*♦}	33.9	16.8 ^{*♦}	22.8	27.8 ^{*♦}	38.1	10.9 ^{*♦}	14.2
Unknown	0.0 [*]	...	0.0 ^{*♦}	...	43.2^{*♦}	...	...	...	...	...	...	...
Region												
▶ Northeast	13.3 [*]	15.1	11.2 [*]	11.8	4.9 [*]	3.7	6.9 [*]	6.5	10.6 [*]	11.6	5.1 [*]	5.2
South	8.6 [*]	10.5	7.9 [*]	8.2	11.5 [*]	13.5	12.1 [*]	13.4	7.7 [*]	8.9	9.1 [*]	9.5
Midwest	9.8 ^{*♦}	8.4	9.6 ^{*♦}	9.2	8.4 ^{*♦}	8.3	6.1 ^{*♦}	8.0	7.9 ^{*♦}	6.3	4.5 ^{*♦}	5.3
West	8.4 ^{*♦}	10.8	6.8 ^{*♦}	6.7	5.4 ^{*♦}	6.2	9.5 ^{*♦}	9.2	10.3 ^{*♦}	14.4	10.7 ^{*♦}	11.1

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-23. Inpatient stays by privately insured individuals for female fistula-related urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=301)		2003 (N=299)		2004 (N=319)		2005 (N=325)		2006 (N=310)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	6.6	10.2	5.9	8.7	6.2	9.1	5.9	8.6	5.8	11.5
Age										
18-24	1.5 [♦]		0.9 [♦]		1.6 [♦]		1.0 [♦]		0.6 [♦]	
25-34	4.7 [*]		4.4 [*]		4.3 [*]		3.5 [*]		2.8 [*]	
35-39	6.4 [*]		6.8		7.0 [*]		6.5 [*]		4.4 [♦]	
40-44	6.4 [*]		5.4 [*]		7.3 [*]		5.9 [*]		5.2 [*]	
45-54	8.2 [*]		5.7 [*]		5.7 [*]		6.9 [*]		8.9 [*]	
55-64	8.6 [*]		11.4		9.4 [*]		10.3		9.1 [*]	
▶ 65-74	15.9 [♦]		9.2 [♦]		14.3 [♦]		10.2 [♦]		15.8 [♦]	
75-84	17.5 [♦]		14.1 [♦]		13.6 [♦]		12.4 [♦]		29.0 [♦]	
85+	...		14.9 [♦]		11.6 [♦]		5.6 [♦]		7.7 [♦]	
Race/ethnicity										
▶ White	6.7	8.4	6.0	9.1	6.5	9.5	6.1	8.8	6.3	12.8
Black	6.4 [♦]	17.5	6.0 [♦]	11.0	8.8 [♦]	14.3	5.4 [♦]	8.9	6.2 [♦]	16.1
Hispanic	5.4 [♦]	13.6	8.2 [♦]	15.3	4.0 [♦]	7.9	7.8 [*]	16.4	5.6 [♦]	11.3
Asian	5.8 [♦]	60.8	7.9 [♦]	11.8	4.2 [♦]	7.5	2.6 [♦]	...	0.6 [♦]	3.8
Other	...	...	...	...	2.6 [♦]	100.2	2.4 [♦]	78.8	12.0 [♦]	23.7
Unknown	0.6 [♦]	...	5.3 [♦]	...	6.0 [♦]	...	4.9 [♦]	...	6.1 [♦]	...
Missing	7.2 [*]	...	5.5	...	5.6 [*]	...	5.8 [*]	...	4.1 [♦]	...
Region										
Northeast	5.0 [♦]	5.3	5.7	8.6	4.5 [♦]	6.1	6.0	9.9	7.0	16.8
South	7.6	12.4	6.9 [*]	10.3	7.6 [*]	12.4	6.6	9.6	6.7 [*]	12.5
▶ Midwest	6.1	9.9	5.1	8.0	5.4	8.1	5.4	8.7	5.3	11.2
West	6.3 [*]	8.2	5.0 [*]	6.4	4.8 [*]	6.2	5.2 [*]	6.3	3.6 [*]	7.0

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-24. Hospital outpatient visits by Medicare beneficiaries for female fistula-related urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=620)		2003 (N=800)		2004 (N=620)		2005 (N=800)		2006 (N=420)		2007 (N=520)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	3.1	2.7	3.9	3.6	3.0	2.8	3.9	3.8	2.1*	1.9	2.6*	2.0
Under 65/65+												
< 65 Years	4.8**	4.8	6.2**	6.2	4.3**	4.3	4.2*	4.2	2.6**	2.6	5.0**	5.0
▶ 65+ Years	2.8*	2.7	3.4*	3.6	2.7*	2.8	3.8	3.8	2.0*	1.9	2.0*	2.0
Age												
▶ 65-69	1.5*		3.9*		6.1*		6.5*		1.9*		1.9*	
70-74	7.3**		3.7**		1.1**		5.5**		2.9**		4.7**	
75-79	1.7**		2.3**		2.9**		1.8**		1.9**		0.6**	
80-84	1.5**		6.7**		2.2**		1.4**		0.7**		0.8**	
85-89	0.0**		1.2**		0.0**		1.2**		...		1.2**	
90-94	2.8**		...		...		5.3**		8.1**		0.0**	
95-97	...		...		...		...		...		...
98+	...		...		...		...		...		...
Race/ethnicity												
▶ White	2.7*	2.8	2.4*	2.9	1.9*	1.7	3.8	3.5	1.9*	1.4	2.1*	1.7
Black	7.0**	2.1	15.6**	20.5	11.5**	18.8	5.8**	13.4	5.0**	15.4	3.0**	13.6
Hispanic	...	...	16.5**	...	0.0**	0.0	5.2**	24.3	...	...	5.2**	28.3
Asian	...	...	...	...	...	...	...	...	...	...	...	...
Other	6.7**	57.7	...	...	11.8**	43.5	...	...	0.0**	0.0	21.8**	19.0
Unknown	...	...	...	...	...	...	...	...	0.0**	...	...	...
Region												
▶ Northeast	2.0*	2.8	4.4*	5.5	4.4*	4.2	3.4*	4.7	0.5*	0.0	2.0*	2.0
South	1.8**	0.6	1.5**	1.1	0.8**	0.4	4.0**	3.0	1.8**	1.6	2.6**	2.4
Midwest	3.1**	3.1	4.6**	3.8	2.3**	3.0	4.2**	4.9	3.6**	4.7	2.4**	2.7
West	7.8**	11.0	8.1**	8.3	7.9**	9.6	3.5**	5.1	2.4**	1.8	3.6**	3.6

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

*Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-25. Hospital outpatient visits by privately insured individuals for female fistula-related urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=332)		2003 (N=297)		2004 (N=279)		2005 (N=313)		2006 (N=312)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	7.3	12.3	5.9	6.8	5.4	6.2	5.7	7.2	5.9	8.1
Age										
18-24	2.1*♦		0.9*♦		0.6*♦		0.4*♦		0.4*♦	
25-34	5.0		5.5		5.1		4.7		3.9*	
35-39	5.5		7.0		6.7		6.0		6.8*	
40-44	9.5		6.5		5.6		6.7		5.8*	
45-54	7.0		7.3*		6.7		8.0		8.8	
55-64	6.6		8.3*		7.7		7.3		7.8	
▶ 65-74	5.3♦		3.8♦		6.7♦		6.8♦		11.6♦	
75-84	52.4*		8.4*♦		3.6*♦		7.3*♦		4.8*♦	
85+	...		2.5*♦		2.3*♦		3.8*♦		11.6*♦	
Race/ethnicity										
▶ White	6.8	8.1	7.2	8.1	6.1	6.8	6.2	7.2	6.3	8.5
Black	4.0*♦	12.5	12.0*♦	15.4	5.4*♦	10.3	4.7*♦	7.9	7.0*♦	13.8
Hispanic	7.2*♦	17.5	3.5*♦	5.0	3.5*♦	5.5	6.3*♦	11.2	5.8*♦	12.9
Asian	5.8*♦	...	11.8*♦	22.7	2.1*♦	4.8	3.9*♦	...	0.6*♦	...
Other	5.3*♦	56.9	7.4*♦	21.9	...	...	4.8*♦	24.2	7.2*♦	19.4
Unknown	5.1*♦	...	2.9*♦	...	5.1*♦	...	4.7*♦	...	5.3*♦	...
Missing	8.1*	...	4.0*	...	4.4*	...	4.7*	...	4.7*	...
Region										
Northeast	4.8*♦	7.7	2.2*♦	4.3	3.9♦	3.5	6.2	8.3	5.7	10.2
South	6.1*♦	6.5	6.1	6.6	6.5*	8.2	5.7	6.6	6.8	8.5
▶ Midwest	10.4	20.3	7.2	10.0	4.8	6.3	5.8	8.1	5.6	8.2
West	4.9*♦	5.0	4.8*	4.7	4.6*	4.1	5.4*	7.3	3.9*	5.9

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-26. Ambulatory surgery center visits by privately insured individuals for female fistula-related urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=36)		2003 (N=36)		2004 (N=31)		2005 (N=35)		2006 (N=40)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	0.8	1.0	0.7	0.9	0.6	0.6	0.6	0.9	0.8	1.1
Age										
18-24	...		0.3*		0.3*		...		0.1*	
25-34	1.0*		0.6**		0.8*		0.4*		0.7**	
35-39	0.9**		0.8**		0.7*		0.3*		0.3**	
40-44	0.7**		1.2**		0.5*		1.7*		1.4**	
45-54	0.8**		0.7**		0.6*		0.9*		1.2**	
55-64	1.6**		1.0**		1.0*		0.7*		0.8**	
▶ 65-74	...		...		0.5*		0.4*		...	
75-84	0.7**		0.9**		...		...		...
Race/ethnicity										
▶ White	0.7*	1.0	1.0*	1.2	0.6*	0.7	0.7*	1.0	0.9	1.5
Black	...	...	0.5**	2.8	0.8**	2.0	0.4**	3.3	...	...
Hispanic	1.8**	...	0.8**	5.1	0.5**	2.2	0.5**	1.6	1.2**	3.8
Asian	1.4**	20.3	...	...	0.7**	...	1.9**	...	...	...
Other	...	...	3.7**	19.3	...	...	...	...	2.4**	...
Unknown	0.6**	...	0.8**	...	0.9**	...	0.5**	...	0.3**	...
Missing	0.8**	...	0.3**	...	0.5**	...	0.3**	...	0.1**	...
Region										
Northeast	0.2*	...	0.9*	2.1	0.3*	0.9	0.3*	0.8	1.4**	2.6
South	0.8*	1.3	0.9*	1.1	0.9*	1.0	0.9**	1.4	1.1**	1.5
▶ Midwest	0.6*	0.8	0.6*	1.1	0.3*	0.9	0.4*	0.5	0.1*	0.9
West	1.6**	2.3	0.3**	3.0	0.6**	1.0	0.8**	1.5	0.6**	1.4

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

*Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-27. Physician office visits by Medicare beneficiaries for female fistula-related urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=6,800)		2003 (N=7,560)		2004 (N=7,020)		2005 (N=7,820)		2006 (N=6,500)		2007 (N=6,060)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	34.1	38.0	37.1	39.8	34.1	37.1	37.9	42.8	32.3	33.9	30.4	33.6
Under 65/65+												
< 65 Years	22.6*	22.6	33.6*	33.6	24.9*	24.9	23.4*	23.4	25.0*	25.0	24.2*	24.2
▶ 65+ Years	36.4	38.0	37.8	39.8	36.1	37.1	41.3	42.8	34.0	33.9	32.0	33.6
Age												
▶ 65-69	37.6		30.8		32.7		49.4		32.4		32.1	
70-74	49.2*		46.4*		40.9*		32.4*		30.4*		33.0*	
75-79	37.4*		38.2*		39.6*		45.1*		40.2*		45.2*	
80-84	19.0*♦		43.6*		31.4*		39.8*		40.5*		31.0*	
85-89	43.4*		44.2*		42.5*		47.6*		24.5*♦		21.7*♦	
90-94	16.8*♦		10.9*♦		21.5*♦		26.5*♦		34.9*♦		8.0*♦	
95-97	...		...		...		12.2*♦		50.3*♦		...	
98+	14.3*♦		...		56.3*♦		...		...		13.7*♦	
Race/ethnicity												
▶ White	35.9	40.4	38.5	40.9	35.1	37.9	39.5	43.5	34.8	36.7	31.9	35.0
Black	27.2*♦	41.3	24.4*♦	35.6	30.6*	38.7	27.8*♦	38.2	13.9*♦	22.2	17.3*♦	24.5
Hispanic	0.0*♦	0.0	87.9*♦	171.1	16.0*♦	45.1	36.3*♦	47.6	47.7*♦	142.3	25.9*♦	45.1
Asian	...	...	...	...	25.1*♦	30.3	17.6*♦	67.8	5.8*♦	28.7	33.4*♦	173.8
Other	53.6*♦	47.9	24.5*♦	48.2	35.4*♦	101.3	16.8*♦	44.8	33.4*♦	41.3	32.7*♦	36.0
Unknown	...	...	...	...	...	...	235.8*♦	...	...	...	54.6*♦	...
Region												
▶ Northeast	34.0	40.1	42.8	49.7	32.6	35.0	33.9	39.2	39.4	44.4	25.4	31.4
South	37.2*	43.0	41.2*	41.8	41.3*	45.8	43.3*	47.9	28.1*	30.1	34.8*	37.6
Midwest	23.9*	25.8	31.2*	35.6	31.1*	33.3	34.5*	40.8	32.8*	35.3	32.0*	33.8
West	43.3*	43.8	29.1*	28.7	23.0*	25.9	35.5*	39.2	33.2*	34.6	23.8*	25.6

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-28. Physician office visits by privately insured individuals for female fistula-related urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=871)		2003 (N=946)		2004 (N=984)		2005 (N=1,057)		2006 (N=1,024)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	19.2	22.8	18.7	23.8	19.1	23.8	19.3	24.7	19.3	30.6
Age										
18-24	6.6*		5.2*		2.4*♦		3.7*♦		2.8*♦	
25-34	17.6		14.0		17.8*		15.2*		12.3*	
35-39	18.3		21.3		22.5		22.0		17.7*	
40-44	26.4*		19.6		22.1		16.8*		19.5*	
45-54	22.9*		25.1*		20.3*		26.8		30.3*	
55-64	22.7*		26.7*		27.4		25.6		22.6*	
▶ 65-74	13.6*♦		16.2		27.1		26.7		46.6	
75-84	29.1*		33.8*		30.8*		29.2*		45.2*♦	
85+	...		14.9*♦		4.6*♦		15.1*♦		27.0*♦	
Race/ethnicity										
▶ White	21.4	24.9	21.8	27.2	20.3	25.7	19.7	24.5	19.8	30.8
Black	20.1*♦	49.2	24.0*	30.7	21.9*	30.8	14.4*	24.9	14.7*	30.0
Hispanic	14.5*♦	29.6	20.3*	32.6	15.8*	25.9	16.1*	27.5	18.1*	26.3
Asian	30.4*♦	81.1	17.7*♦	13.9	14.7*♦	19.7	14.2*♦	7.8	5.0*♦	9.8
Other	15.8*♦	40.0	14.7*♦	85.9	5.2*♦	41.6	7.3*♦	64.1	23.9*♦	...
Unknown	15.2*♦	...	19.6*	...	16.1*	...	21.4*	...	31.1*	...
Missing	17.8*	...	14.1*	...	17.5*	...	21.7*	...	16.1*	...
Region										
Northeast	12.7*	16.4	17.7	20.8	16.1	17.5	21.0	21.7	17.5	31.8
South	22.1*	27.9	20.7*	26.1	21.2*	28.3	17.7*	23.5	23.5*	34.3
▶ Midwest	16.9	21.1	16.7	21.8	17.3	22.0	20.0	26.8	17.3	31.8
West	21.6*	24.0	18.0*	29.2	19.0*	25.1	21.6*	30.0	12.4*	18.7

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-29. Inpatient stays by Medicare beneficiaries for female stress urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=14,000)		2003 (N=13,620)		2004 (N=11,420)		2005 (N=9,060)		2006 (N=8,380)		2007 (N=7,540)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	70.2	73.4	66.8	69.8	55.4	59.0	43.9	48.9	41.7	46.1	37.8	40.8
Under 65/65+												
< 65 Years	67.2*	67.2	63.3*	63.3	48.7*	48.7	32.2*	32.2	30.8*	30.8	34.3*	34.3
▶ 65+ Years	70.8	73.4	67.5	69.8	56.9	59.0	46.6	48.9	44.2	46.1	38.7	40.8
Age												
▶ 65-69	87.6		86.2		71.0		55.0		50.5		49.4	
70-74	89.0*		93.2*		73.2*		51.1*		68.7*		55.3*	
75-79	81.8*		78.7*		63.2*		64.1*		42.1*		42.0*	
80-84	54.0*		39.9*		49.0*		34.8*		33.7*		27.1*	
85-89	26.0*♦		15.9*♦		14.6*♦		24.4*♦		18.4*♦		12.0*♦	
90-94	11.2*♦		19.1*♦		10.7*♦		10.6*♦		13.4*♦		5.3*♦	
95-97	25.3*♦		0.0*♦		0.0*♦		0.0*♦		12.6*♦		0.0*♦	
98+	0.0*♦		0.0*♦		0.0*♦		0.0*♦		0.0*♦		0.0*♦	
Race/ethnicity												
▶ White	75.8	79.1	71.0	73.8	60.3	63.9	48.2	52.6	44.5	48.7	40.9	43.7
Black	21.1*♦	18.5	28.3*♦	28.3	18.2*♦	14.3	10.5*♦	14.1	15.9*♦	13.9	14.2*♦	11.7
Hispanic	57.3*♦	51.4	54.9*♦	69.2	16.0*♦	24.2	31.1*♦	24.7	37.1*♦	47.1	41.4*♦	63.5
Asian	42.5*♦	34.3	19.9*♦	45.2	6.3*♦	15.4	5.9*♦	9.1	17.5*♦	15.0	5.6*♦	8.4
Other	100.6*♦	79.9	134.9*♦	99.1	112.2*♦	83.8	61.6*♦	69.6	78.0*♦	93.6	43.7*♦	40.5
Unknown	164.7*♦	...	89.3*♦	...	129.6*♦	...	188.7*♦	...	50.3*♦	...	109.3*♦	...
Region												
▶ Northeast	48.8	52.0	41.8	43.4	31.6	35.2	27.0	29.3	26.8	29.9	28.5	31.1
South	78.0*	80.2	72.9*	77.0	61.6*	66.9	50.8*	56.9	43.0*	46.9	42.9*	45.4
Midwest	65.8*	67.8	62.5*	66.4	51.1*	54.3	43.4*	47.7	41.0*	46.0	34.1*	37.5
West	86.0*	93.8	90.5*	91.6	76.7*	78.3	49.0*	56.0	57.3*	63.4	42.9*	46.4

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-30. Inpatient stays by privately insured individuals for female stress urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=3,028)		2003 (N=3,229)		2004 (N=2,878)		2005 (N=2,934)		2006 (N=2,685)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	66.7	119.6	63.8	110.9	55.8	95.2	53.6	93.5	50.6	93.8
Age										
18-24	2.8*♦		2.2*♦		2.5*♦		0.7*♦		1.7*♦	
25-34	11.7*		15.7*		12.8*		11.0*		13.3*	
35-39	45.9*		47.0*		37.7*		35.9*		39.7*	
40-44	77.5*		74.9*		67.7*		58.6*		59.8*	
45-54	111.1*		103.5*		92.8*		85.6*		80.3*	
55-64	149.3		131.9		106.5*		99.1*		87.9*	
▶ 65-74	139.3		133.3		125.0		119.6		133.6	
75-84	121.4*		128.6*		91.4*		124.1*		138.8*	
85+	...		69.4*♦		67.2*♦		90.3*		107.9*♦	
Race/ethnicity										
▶ White	76.3	122.4	74.5	124.1	61.5	101.5	58.6	99.6	55.1	99.9
Black	41.0*	64.3	44.8*	75.2	27.7*	53.5	28.4*	50.0	24.8*	49.4
Hispanic	82.1*	168.2	71.8*	135.5	57.0*	108.4	53.1*	100.2	60.0*	118.1
Asian	34.7*♦	97.3	22.6*♦	56.9	21.7*	56.3	21.9*	62.8	18.2*♦	44.7
Other	63.3*♦	135.8	59.0*♦	119.4	39.4*♦	89.3	70.2*♦	139.2	33.5*♦	92.9
Unknown	65.8*	...	61.6*	...	51.3*	...	45.0*	...	45.9*	...
Missing	60.9*	...	53.7*	...	50.1*	...	49.9*	...	42.8*	...
Region										
Northeast	44.2*	83.6	45.6*	87.1	40.4*	73.2	38.2*	79.1	35.7*	73.0
South	76.9*	130.2	70.8*	116.6	63.3*	105.4	56.5*	93.3	54.3*	97.8
▶ Midwest	62.3	114.0	59.3	102.5	50.4	86.1	51.0	88.7	45.5	87.5
West	65.1*	136.4	68.7*	152.3	57.9*	104.7	63.2*	115.8	60.2*	109.4

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-31. Hospital outpatient visits by Medicare beneficiaries for female stress urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=52,300)		2003 (N=49,600)		2004 (N=52,680)		2005 (N=55,700)		2006 (N=58,080)		2007 (N=55,620)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	262.1	265.4	243.2	243.6	255.5	256.3	270.1	270.3	288.8	288.0	279.1	285.6
Under 65/65+												
< 65 Years	269.0*	269.0	242.4	242.4	259.0	259.0	299.6*	299.6	297.4*	297.4	255.2*	255.2
▶ 65+ Years	260.7	265.4	243.3	243.6	254.8	256.3	263.3	270.3	286.8	288.0	285.1	285.6
Age												
▶ 65-69	230.2		212.8		207.8		216.7		225.6		236.2	
70-74	242.3*		250.2*		250.7*		247.1*		296.6*		269.5*	
75-79	274.6*		272.1*		256.2*		284.7*		287.9*		304.3*	
80-84	301.8*		250.8*		317.9*		312.3*		308.2*		325.7*	
85-89	318.6*		238.0*		290.0*		346.4*		376.9*		334.8*	
90-94	235.3*		237.5*		260.4*		206.8*		333.2*		339.5*	
95-97	202.4**		298.0**		220.8**		134.6**		314.4**		214.9**	
98+	57.2**		127.5**		126.6**		123.6**		122.5**		150.3**	
Race/ethnicity												
▶ White	258.4	261.6	233.8	233.4	240.7	241.6	262.1	261.5	289.5	289.8	281.9	291.1
Black	241.6*	250.3	267.5*	288.5	311.0*	324.5	279.9*	310.4	273.1*	277.4	249.0*	238.3
Hispanic	292.0*	278.9	285.6*	242.9	410.4*	425.7	492.1*	460.5	259.7*	207.3	279.3*	321.6
Asian	127.4**	112.6	139.2**	130.7	119.2**	132.3	76.4**	84.3	139.6**	182.4	166.9**	194.0
Other	643.8*	673.5	625.6*	706.9	631.9*	638.6	515.0*	598.4	490.0*	545.0	414.8*	393.1
Unknown	617.5**	...	312.6**	...	259.2**	...	518.9**	...	552.8**	...	382.5**	...
Region												
▶ Northeast	279.2	267.5	263.7	269.6	290.2	283.4	322.9	310.9	355.5	343.5	319.6	311.9
South	189.6*	193.1	184.9*	182.6	168.3*	164.0	175.8*	170.3	176.4*	172.2	180.0*	175.2
Midwest	337.9*	345.3	296.6*	294.3	333.2*	336.9	345.1*	359.5	369.8*	371.6	368.1*	389.1
West	294.8*	307.6	273.3*	276.5	300.8*	315.3	312.6*	319.8	348.6*	364.3	328.4*	360.5

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

**Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-32. Hospital outpatient visits by privately insured individuals for female stress urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=7,952)		2003 (N=8,509)		2004 (N=8,388)		2005 (N=9,640)		2006 (N=9,122)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	175.2	350.0	168.0	339.9	162.5	307.0	176.2	315.8	171.8	324.8
Age										
18-24	17.3*		18.3*		17.9*		21.0*		16.8*	
25-34	47.8*		45.9*		48.5*		49.6*		50.5*	
35-39	109.3*		109.1*		111.2*		117.7*		124.1*	
40-44	141.1*		151.7*		167.7*		171.5*		189.8*	
45-54	243.6*		244.7*		233.0*		247.3*		262.4*	
55-64	348.1*		300.0*		292.8*		318.7*		309.3*	
▶ 65-74	523.4		546.2		346.3		367.2		450.8	
75-84	744.6*		689.0*		723.7*		659.9*		524.5*	
85+	...		389.3*		252.6*		301.2*		466.2*	
Race/ethnicity										
▶ White	191.5	314.7	186.4	311.8	170.4	287.1	187.9	308.4	191.2	340.9
Black	132.5*	237.1	110.9*	193.5	93.7*	152.1	96.4*	152.1	88.4*	186.9
Hispanic	153.9*	258.6	142.1*	254.2	134.1*	232.6	135.7*	237.5	143.0*	262.8
Asian	79.5*	198.3	74.8*	206.0	49.0*	101.5	68.2*	172.3	61.5*	154.0
Other	68.6**	132.7	143.7*	253.6	141.7*	234.3	150.2*	270.8	112.4*	238.8
Unknown	166.9*	...	172.1*	...	161.6*	...	167.8*	...	169.1*	...
Missing	171.2*	...	159.1*	...	188.2*	...	201.9*	...	156.5*	...
Region										
Northeast	115.2*	217.3	108.8*	206.0	151.0*	266.1	169.7*	305.1	176.1*	314.7
South	148.3*	253.2	146.7*	245.2	150.0*	257.9	158.3*	262.6	161.6*	285.4
▶ Midwest	257.7	516.1	244.1	509.8	214.4	409.1	226.9	404.3	206.7	414.0
West	87.9*	190.3	95.1*	212.0	87.3*	176.3	126.1*	243.4	132.7*	272.3

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-33. Ambulatory surgery center visits by Medicare beneficiaries for female stress urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=24,840)		2003 (N=23,860)		2004 (N=26,640)		2005 (N=25,040)		2006 (N=26,860)		2007 (N=27,920)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	155.2	166.3	155.5	165.3	167.3	179.8	162.1	173.6	180.5	193.1	185.4	204.3
Under 65/65+												
< 65 Years	131.5*	131.5	132.7*	132.7	143.3*	143.3	140.7*	140.7	159.7*	159.7	148.3*	148.3
▶ 65+ Years	160.0	166.3	160.4	165.3	172.5	179.8	167.0	173.6	185.4	193.1	194.6	204.3
Age												
▶ 65-69	162.9		151.2		161.1		178.5		189.4		192.6	
70-74	179.5*		182.3*		222.7*		175.7*		223.3*		217.7*	
75-79	192.3*		212.7*		198.2*		209.4*		196.3*		221.6*	
80-84	144.5*		157.6*		171*		165.9*		199.5*		216.4*	
85-89	132.7*		93.2*		121.3*		108.5*		133.4*		160.2*	
90-94	61.6*♦		62.8*♦		48.3*♦		63.6*♦		72.6*♦		64.2*♦	
95-97	25.3*♦		37.2*♦		36.8*♦		24.5*♦		12.6*♦		25.3*♦	
98+	...		14.2*♦		...		...		13.6*♦		...	
Race/ethnicity												
▶ White	168.1	179.9	167.4	178.0	181.7	194.4	178.6	189.8	199.2	213.1	202.6	222.6
Black	77.5*	75.4	71.3*	60.4	77.5*	75.4	63.3*	64.5	73.5*	53.1	87.4*	81.3
Hispanic	103.1*♦	95.6	82.4*♦	81.1	74.6*♦	79.3	124.3*♦	106.8	74.2*♦	64.3	87.9*♦	123.7
Asian	28.3*♦	38.5	33.1*♦	42.6	31.4*♦	54.3	...	...	64*♦	101.4	61.2*♦	85.5
Other	114*♦	92.9	220.8*	237.4	194.9*	250.5	123.2*♦	145.7	105.8*♦	106.0	136.4*♦	163.0
Unknown	164.7*♦	...	357.3*♦	...	259.2*♦	...	188.7*♦	...	301.5*♦	...	273.2*♦	...
Region												
▶ Northeast	119.2	127.7	122.1	130.4	132.9	146.6	134.9	136.7	149.0	157.5	161.6	182.0
South	168.8*	177.2	178.6*	194.1	184.6*	202.3	185.9*	203.2	189.3*	206.0	202.3*	222.8
Midwest	193.4*	208.3	172.4*	173.7	196.2*	204.3	183.9*	192.1	222.6*	226.1	208*	223.2
West	105.4*	118.3	114.7*	125.0	122.6*	129.4	105.2*	120.3	133.3*	154.5	141.3*	156.5

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-34. Ambulatory surgery center visits by privately insured individuals for female stress urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,163)		2003 (N=1,119)		2004 (N=1,035)		2005 (N=1,311)		2006 (N=1,412)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	25.6	41.1	22.1	35.2	20.0	33.0	24.0	36.4	26.6	44.8
Age										
18-24	2.0*♦		0.9*♦		1.2*♦		1.3*♦		1.8*♦	
25-34	8.5*		6.8*		5.3*		7.5*		8.2*	
35-39	17.0*		16.3*		11.9*		18.5*		19.2*	
40-44	34.0		26.6*		25.9*		29.0*		33.3*	
45-54	45.7		38.3		35.8		37.7		41.6*	
55-64	47.3		45.6*		36.1		48.1*		49.4	
▶ 65-74	38.4		35.6		35.3		37.3		58.9	
75-84	29.8*		28.2*		32.6*		29.2*		45.2*♦	
85+	...		5.0*♦		13.9*♦		5.6*♦		38.5*♦	
Race/ethnicity										
▶ White	33.0	45.3	27.3	41.5	22.2	35.7	26.6	38.2	29.3	48.2
Black	16.1*♦	25.1	14.2*♦	22.4	15.4*	25.3	11.9*	21.8	14.7*	28.1
Hispanic	24.1*	33.9	29.7*	49.6	19.5*	36.5	22.2*	37.6	29.8*	51.0
Asian	18.8*♦	40.4	5.9*♦	10.2	4.2*♦	10.2	5.8*♦	14.3	8.2*♦	20.2
Other	15.8*♦	28.1	...	...	21.0*♦	52.4	17.0*♦	34.6	33.5*♦	110.6
Unknown	29.8*	...	24.9*	...	19.1*	...	21.1*	...	25.0*	...
Missing	20.7*	...	16.2*	...	16.4*	...	22.8*	...	20.4*	...
Region										
Northeast	15.1*	25.7	15.6*	27.3	11.7*	19.9	13.2*	23.4	15.3*	29.4
South	33.7*	53.5	27.0*	43.3	21.6*	36.8	25.0*	38.6	28.9	50.5
▶ Midwest	23.1	37.1	20.9	33.8	24.3	37.5	29.5	42.7	30.8	47.1
West	15.4*	27.8	14.7*	31.8	12.1*	22.9	17.2*	27.9	20.3*	36.5

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-35. Physician office visits by Medicare beneficiaries for female stress urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,119,380)		2003 (N=1,151,360)		2004 (N=1,184,860)		2005 (N=1,253,380)		2006 (N=1,257,320)		2007 (N=1,275,240)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	5,610	6,176	5,645	6,231	5,747	6,325	6,078	6,745	6,252	7,001	6,400	7,223
Under 65/65+												
< 65 Years	3,327*	3,327	3,326*	3,326	3,577*	3,577	3,713*	3,713	3,631*	3,631	3,561*	3,561
▶ 65+ Years	6,073	6,176	6,137	6,231	6,222	6,325	6,621	6,745	6,870	7,001	7,105	7,223
Age												
▶ 65-69	4,811		4,759		4,779		4,936		5,199		5,193	
70-74	5,959*		5,870*		5,963*		6,232*		6,548*		6,878*	
75-79	6,932*		7,061*		7,275*		7,709*		7,929*		8,102*	
80-84	7,275*		7,435*		7,522*		8,272*		8,461*		8,874*	
85-89	6,732*		7,009*		7,063*		7,863*		8,141*		8,487*	
90-94	5,252*		5,507*		5,645*		5,916*		6,216*		6,785*	
95-97	3,403*		4,023*		4,219*		4,222*		4,615*		5,840*	
98+	1,272*		1,615*		1,210*		1,881*		1,715*		2,023*	
Race/ethnicity												
▶ White	5,937	6,488	5,975	6,542	6,021	6,572	6,438	7,082	6,641	7,361	6,811	7,602
Black	3,013*	3,378	3,066*	3,466	3,331*	3,730	3,218*	3,631	3,353*	3,843	3,400*	3,990
Hispanic	4,099*	4,243	4,592*	4,627	4,909*	4,822	5,527*	5,733	5,629*	5,926	5,854*	6,350
Asian	2,979*	3,047	3,076*	3,040	4,065*	4,433	4,020*	4,272	4,014*	4,349	4,318*	4,699
Other	7,933*	9,214	7,421*	8,972	8,511*	10,275	7,367*	8,636	6,498*	8,141	5,888*	7,157
Unknown	9,345*	...	8,754*	...	9,762*	...	9,623*	...	10,101*	...	10,437*	...
Region												
▶ Northeast	4,851	5,354	4,932	5,433	5,217	5,713	5,460	6,035	5,672	6,300	5,806	6,498
South	5,948*	6,522	6,084*	6,717	6,099*	6,711	6,535*	7,233	6,822*	7,662	6,939*	7,871
Midwest	5,301*	5,835	5,155*	5,641	5,266*	5,757	5,463*	6,012	5,700*	6,303	5,916*	6,557
West	6,278*	7,015	6,268*	7,057	6,313*	7,090	6,692*	7,635	6,456*	7,421	6,573*	7,604

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-36. Physician office visits by privately insured individuals for female stress urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=80,200)		2003 (N=85,509)		2004 (N=90,673)		2005 (N=105,493)		2006 (N=96,392)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1,767	3,205	1,689	3,089	1,757	3,217	1,928	3,435	1,815	3,556
Age										
18-24	238.6*		201.8*		209.3*		214.8*		210.8*	
25-34	570.8*		568.4*		571.3*		608.5*		591.8*	
35-39	1,211*		1,169*		1,198*		1,276*		1,312*	
40-44	1,748*		1,732*		1,809*		1,867*		1,926*	
45-54	2,560*		2,480*		2,467*		2,625*		2,639*	
55-64	3,542*		3,254*		3,283*		3,473*		3,286*	
▶ 65-74	4,253		3,945		4,140		4,499		4,770	
75-84	5,181*		4,992*		5,482*		6,063*		6,974*	
85+	...		4,325*		5,145*		5,127*		5,359*	
Race/ethnicity										
▶ White	2,061	3,507	1,996	3,526	1,895	3,411	2,056	3,629	1,959	3,794
Black	1,493*	2,458	1,349*	2,309	1,259*	2,216	1,355*	2,284	1,189*	2,333
Hispanic	1,791*	3,209	1,762*	3,295	1,701*	3,155	1,787*	3,236	1,959*	3,576
Asian	1,025*	2,436	913.7*	2,123	792.2*	1,769	852.0*	1,793	832.9*	1,942
Other	1,747*	3,353	1,677*	3,261	1,562*	3,173	1,751*	3,224	1,595*	3,266
Unknown	1,963*	...	1,900*	...	1,598*	...	1,835*	...	1,718*	...
Missing	1,567*	...	1,344*	...	1,636*	...	1,897*	...	1,545*	...
Region										
Northeast	1,288*	2,373	1,270*	2,373	1,351*	2,501	1,437*	2,617	1,458*	2,952
South	1,818*	3,227	1,777	3,165	1,827*	3,361	2,020*	3,579	1,922*	3,711
▶ Midwest	1,917	3,396	1,780	3,199	1,857	3,286	1,986	3,410	1,741	3,400
West	1,607*	3,326	1,542*	3,291	1,648*	3,296	1,918*	3,716	1,912*	3,786

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-37. Emergency room visits by Medicare beneficiaries for female stress urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=2,220)		2003 (N=2,180)		2004 (N=1,980)		2005 (N=2,300)		2006 (N=2,100)		2007 (N=2,060)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	11.1	10.3	10.7	9.4	9.6	8.6	11.2	8.9	10.4	9.0	10.3	9.1
Under 65/65+												
< 65 Years	13.1 ^{*♦}	13.1	14.6 ^{*♦}	14.6	14.1 ^{*♦}	14.1	18.2 [*]	18.2	14.6 ^{*♦}	14.6	14.1 ^{*♦}	14.1
▶ 65+ Years	10.7	10.3	9.9	9.4	8.6	8.6	9.5	8.9	9.5	9.0	9.4	9.1
Age												
▶ 65-69	10.9 [*]		7.7 [*]		2.8 [*]		5.1 [*]		5.7 [*]		6.7 [*]	
70-74	9.4 ^{*♦}		5.8 ^{*♦}		5.9 ^{*♦}		6.0 ^{*♦}		8.6 ^{*♦}		5.3 ^{*♦}	
75-79	9.8 ^{*♦}		10.8 ^{*♦}		10.3 ^{*♦}		9.5 ^{*♦}		8.0 ^{*♦}		9.0 ^{*♦}	
80-84	13.7 ^{*♦}		17.0 ^{*♦}		14.6 ^{*♦}		13.0 ^{*♦}		9.7 ^{*♦}		12.4 ^{*♦}	
85-89	7.4 ^{*♦}		7.4 ^{*♦}		14.6 ^{*♦}		15.9 ^{*♦}		17.1 ^{*♦}		16.9 ^{*♦}	
90-94	16.8 ^{*♦}		19.1 ^{*♦}		10.7 ^{*♦}		21.2 ^{*♦}		21.5 ^{*♦}		10.7 ^{*♦}	
95-97	12.7 ^{*♦}		12.4 ^{*♦}		24.5 ^{*♦}		36.7 ^{*♦}		12.6 ^{*♦}		37.9 ^{*♦}	
98+	14.3 ^{*♦}		0.0 ^{*♦}		...		0.0 ^{*♦}		13.6 ^{*♦}		13.7 ^{*♦}	
Race/ethnicity												
▶ White	9.8	9.1	9.5	7.9	9.1	8.3	9.4	8.5	10.1	8.5	9.8	8.3
Black	24.2 ^{*♦}	24.1	19.5 ^{*♦}	23.9	15.3 ^{*♦}	12.9	25.9 ^{*♦}	16.6	12.9 ^{*♦}	15.3	18.3 ^{*♦}	22.5
Hispanic	11.5 ^{*♦}	13.9	16.5 ^{*♦}	31.8	5.3 ^{*♦}	30.0	10.4 ^{*♦}	14.6	...	...	5.2 ^{*♦}	...
Asian	0.0 ^{*♦}	0.0	...	...	...	...	...	...	...	...	5.6 ^{*♦}	21.7
Other	6.7 ^{*♦}	57.7	24.5 ^{*♦}	27.6	17.7 ^{*♦}	18.1	16.8 ^{*♦}	0.0	22.3 ^{*♦}	81.1	5.5 ^{*♦}	20.4
Unknown	41.2^{*♦}	...	...	...	...	...	47.2 ^{*♦}	...	100.5^{*♦}	...	...	...
Region												
▶ Northeast	8.4 [*]	8.5	8.8 [*]	8.4	8.3 [*]	9.8	9.8 [*]	10.4	10.6 [*]	9.4	7.6 [*]	8.3
South	13.0 [*]	12.3	10.9 [*]	9.8	7.3 ^{*♦}	6.4	13.3 [*]	10.4	10.3 [*]	10.3	9.9 [*]	8.0
Midwest	12.5 [*]	12.0	13.1 [*]	11.0	13.4 [*]	9.6	9.2 ^{*♦}	5.8	8.7 ^{*♦}	7.2	12.2 [*]	10.4
West	7.8 ^{*♦}	4.9	8.7 ^{*♦}	7.1	10.9 ^{*♦}	15.1	10.6 ^{*♦}	8.3	13.3 ^{*♦}	8.2	11.9 ^{*♦}	10.6

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-38. Emergency room visits by privately insured individuals for female stress urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=273)		2003 (N=522)		2004 (N=386)		2005 (N=254)		2006 (N=288)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	6.0	9.5	10.3	16.5	7.5	12.0	4.6	7.9	5.4	8.8
Age										
18-24	2.5*		1.9**		2.2**		0.3**		1.2**	
25-34	3.5		3.8*		1.7**		0.8**		1.2**	
35-39	3.4*		4.6**		4.2**		2.7**		2.8**	
40-44	5.0*		11.2		7.6		4.0**		4.4**	
45-54	8.7*		15.6		11.4		5.8		7.8	
55-64	10.6*		27.6*		19.0*		14.5*		14.9	
▶ 65-74	4.7*		14.6*		8.7*		7.6*		10.3*	
75-84	22.5*		8.4**		9.0**		5.1**		3.2**	
85+	...		12.4**		16.2**		11.3**		11.6**	
Race/ethnicity										
▶ White	5.6	7.8	8.1	11.7	6.7	9.7	3.1	5.4	3.0	4.5
Black	7.2**	22.1	13.7**	19.6	10.0**	19.8	8.3**	17.8	8.9**	18.1
Hispanic	3.0**	8.2	21.5*	46.8	12.6*	29.2	8.0*	17.3	13.2*	30.6
Asian	...	...	3.9**	32.3	1.4**	4.8	1.3**	56.0	...	...
Other	37.0**	235.1	7.4**	119.0	...	...	...	...	...	...
Unknown	2.8**	...	8.6**	...	4.2**	...	3.6**	...	5.0**	...
Missing	6.7*	...	11.9*	...	10.4*	...	10.0*	...	12.9*	...
Region										
Northeast	6.2	11.7	4.6**	7.0	2.3**	6.1	0.3**	...	0.5**	1.0
South	6.4	11.0	15.4*	24.8	12.3*	20.5	8.1*	13.5	10.2*	18.0
▶ Midwest	6.1	8.2	7.2	10.9	4.5	6.8	3.0	5.2	2.6	5.0
West	4.4**	7.5	6.4*	12.0	3.1**	4.0	0.9**	7.3	0.7**	2.2

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

**Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-39. Prevalence of stress urinary incontinence among adult males, 2001-2008 (merged), count, percent^a

	Total Count	Difficulty Controlling Bladder					
		Yes		No		Refused to Answer or Don't Know	
		Count	Percent	Count	Percent	Count	Percent
Total	92,639,724	4,096,666	4.42%	88,410,512	95.43%	†	†
Age							
18-24	5,750,967	†	†	5,671,854	98.62%	†	†
25-34	16,253,961	†	†	15,988,457	98.37%	†	†
35-44	19,895,286	581,283	2.92%	19,286,767	96.94%	†	†
45-54	22,447,815	642,135	2.86%	21,799,828	97.11%	†	†
55-64	13,056,196	792,888	6.07%	12,246,301	93.80%	†	†
65-74	9,050,817	888,942	9.82%	8,123,072	89.75%	†	†
75-84	5,256,020	705,240	13.42%	4,527,098	86.13%	†	†
85+	928,663	154,470	16.63%	767,131	82.61%	†	†
Race/ethnicity							
Mexican American	7,845,474	180,739	2.30%	7,659,746	97.63%	†	†
Other Hispanic	3,836,572	†	†	3,678,353	95.88%	†	†
Non-Hispanic White	67,100,621	3,126,234	4.66%	63,920,682	95.26%	†	†
Non-Hispanic Black	9,397,014	406,084	4.32%	8,968,662	95.44%	†	†
Other ^b	4,460,045	†	†	4,183,069	93.79%	†	†
Education							
< 9th grade	6,549,536	434,454	6.63%	6,101,121	93.15%	†	†
9-11th grade	10,363,604	495,267	4.78%	9,830,619	94.86%	†	†
High school graduate ^c	74,241,718	3,110,266	4.19%	71,053,540	95.71%	†	†
Refused	†	†	†	†	†	†	†
Don't Know	†	†	†	†	†	†	†

† Figure does not meet standard for reliability or precision.

^aPercent calculated using total count within each demographic group.^bIncluding multi-racial.^cGED or equivalent.

NOTE: The data in this table are based on question KIQ.042: During the past 12 months, (have you/has sample person) leaked or lost control of even a small amount of urine with an activity like coughing, lifting or exercise?

SOURCE: National Health and Nutrition Examination Survey, 2001-2008.

Table 4-40. Prevalence of non-stress urinary incontinence among adult males, 2001-2008 (merged), count, percent^a

	Total Count	Difficulty Controlling Bladder					
		Yes		No		Refused to Answer or Don't Know	
		Count	Percent	Count	Percent	Count	Percent
Total	92,639,724	3,654,917	3.95%	88,845,746	95.90%	†	†
Age							
18-24	5,750,967	†	†	5,665,227	98.51%	†	†
25-34	16,253,961	†	†	16,080,582	98.93%	†	†
35-44	19,895,286	375,301	1.89%	19,514,496	98.09%	†	†
45-54	22,447,815	845,075	3.76%	21,589,898	96.18%	†	†
55-64	13,056,196	570,176	4.37%	12,477,898	95.57%	†	†
65-74	9,050,817	779,388	8.61%	8,236,555	91.00%	†	†
75-84	5,256,020	698,358	13.29%	4,488,566	85.40%	†	†
85+	928,663	132,814	14.30%	792,524	85.34%	†	†
Race/ethnicity							
Mexican American	7,845,474	189,895	2.42%	7,650,590	97.52%	†	†
Other Hispanic	3,836,572	†	†	3,712,336	96.76%	†	†
Non-Hispanic White	67,100,621	2,880,670	4.29%	64,140,282	95.59%	†	†
Non-Hispanic Black	9,397,014	345,883	3.68%	9,031,517	96.11%	†	†
Other ^b	4,460,045	†	†	4,311,021	96.66%	†	†
Education							
< 9th grade	6,549,536	368,731	5.63%	6,147,109	93.86%	†	†
9-11th grade	10,363,604	352,449	3.40%	9,981,951	96.32%	†	†
High school graduate ^c	74,241,718	2,901,602	3.91%	71,266,913	95.99%	†	†
Refused	†	†	†	†	†	†	†
Don't Know	†	†	†	†	†	†	†

† Figure does not meet standard for reliability or precision.

^aPercent calculated using total count within each demographic group.

^bIncluding multi-racial.

^cGED or equivalent.

NOTE: The data in this table are based on question KIQ.046: During the past 12 months, {have you/has sample person} leaked or lost control of even a small amount of urine without an activity like coughing, lifting, or exercise, or an urge to urinate?

SOURCE: National Health and Nutrition Examination Survey, 2001-2008.

Table 4-41. Frequency of stress urinary incontinence among adult males who responded "yes" to difficulty controlling bladder during physical activity, 2001-2008 (merged), count, percent

Total Count	Every Day/Night		A Few Times per Week		A Few Times per Month		A Few Times per Year		Refused to Answer or Don't Know	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
4,096,666	1,484,272	36.23%	990,829	24.19%	808,706	19.74%	799,183	19.51%	†	†

† Figure does not meet standard for reliability or precision.

NOTE: The data in this table are based on question KIQ.043: How frequently does this (referring to KIQ.042) occur? Would you say this occurs...every day, a few times a week, a few times a month, or a few times a year?

SOURCE: National Health and Nutrition Examination Survey, 2001-2008.

Table 4-42. Frequency of non-stress urinary incontinence among adult males who responded "yes" to difficulty controlling bladder without any physical activity, 2001-2008 (merged), count, percent

Total Count	Every Day/Night		A Few Times per Week		A Few Times per Month		A Few Times per Year		Refused to Answer or Don't Know	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
3,654,917	1,274,779	34.88%	966,920	26.46%	594,397	16.26%	807,870	22.10%	†	†

† Figure does not meet standard for reliability or precision.

NOTE: The data in this table are based on question KIQ.047: How frequently does this (referring to KIQ.046) occur? Would you say this occurs...every day, a few times a week, a few times a month, or a few times a year?

SOURCE: National Health and Nutrition Examination Survey, 2001-2008.

Table 4-43. Nationally representative inpatient stays for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,399)		2003 (N=1,220)		2004 (N=1,127)		2005 (N=912)		2006 (N=1,085)		2007 (N=1,085)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.4	1.4	1.2	1.2	1.1	1.1	0.9	0.9	1.0	1.0	1.0	1.0
Age												
18-24	†		†		†		†		†		†	
25-34	0.3		0.4		†		†		†		0.2	
35-39	†		†		0.4		†		†		0.4	
40-44	†		0.3		†		†		†		†	
45-54	0.5		0.4		0.4		0.3		0.5		0.4	
55-64	2.0		1.6		1.1		1.2		0.7		1.2	
▶ 65-74	5.3		4.9		4.1		3.4		4.4		3.0	
75-84	6.2*		4.7*		5.9*		4.2*		6.7*		6.1*	
85+	11.6*		6.8*		10.2*		6.2*		6.4*		7.7*	
Race/ethnicity												
▶ White	1.0	1.2	1.0	0.9	1.0	1.0	0.7	0.7	0.9	0.9	0.8	0.9
Black	0.8*	0.9	0.9*	1.4	0.6*	0.9	0.7*	0.9	0.9*	1.8	0.8*	1.2
Hispanic	†	†	0.8*	1.1	0.6*	0.8	0.5*	0.7	0.5*	1.1	0.3*	0.5
Asian	†	†	†	†	†	†	†	†	†	†	†	†
Region												
Northeast	1.5	1.8	1.3	1.4	1.5	1.7	1.0	1.3	0.7	1.3	1.0	1.2
South	1.3	1.5	1.1	1.1	0.8	1.0	0.9	1.1	1.1	1.1	1.1	1.1
▶ Midwest	1.8	1.8	1.0	1.4	1.3	1.9	0.9	1.1	1.1	1.5	1.1	1.7
West	0.8*	1.3	1.3*	1.4	1.0*	1.1	0.6*	0.7	1.0*	1.7	0.7*	0.9

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

† Figure does not meet standard for reliability or precision.

^aRate per 100,000 individuals in the same demographic stratum is based on 2002-2007 population estimates from Current Population Survey (CPS).^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Healthcare Cost and Utilization Project Nationwide Inpatient Sample, 2002-2007.

Table 4-44. Inpatient stays by Medicare beneficiaries for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,620)		2003 (N=1,360)		2004 (N=1,380)		2005 (N=1,260)		2006 (N=1,220)		2007 (N=1,180)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	10.4	13.1	8.5	10.6	8.4	9.9	7.6	9.4	7.5	8.7	7.3	9.4
Under 65/65+												
< 65 Years	3.1 ^{*♦}	3.1	2.0 ^{*♦}	2.0	3.8 ^{*♦}	3.8	3.3 ^{*♦}	3.3	3.3 ^{*♦}	3.3	2.3 ^{*♦}	2.3
▶ 65+ Years	12.8	13.1	10.6	10.6	10.0	9.9	9.2	9.4	9.0	8.7	9.1	9.4
Age												
▶ 65-69	7.7 [♦]		6.4 [♦]		6.7 [♦]		2.6 [♦]		4.2 [♦]		6.3 [♦]	
70-74	14.3 ^{*♦}		7.8 ^{*♦}		9.8 ^{*♦}		11.2 ^{*♦}		9.5 ^{*♦}		9.7 ^{*♦}	
75-79	14.7 ^{*♦}		12.0 ^{*♦}		16.1 ^{*♦}		14.0 ^{*♦}		11.0 ^{*♦}		11.3 ^{*♦}	
80-84	16.7 ^{*♦}		21.0 ^{*♦}		12.1 ^{*♦}		7.1 ^{*♦}		13.3 ^{*♦}		14.7 ^{*♦}	
85-89	19.1 ^{*♦}		13.2 ^{*♦}		2.5 ^{*♦}		22.7 ^{*♦}		9.9 ^{*♦}		7.1 ^{*♦}	
90-94	0.0 ^{*♦}		24.4 ^{*♦}		15.7 ^{*♦}		7.6 ^{*♦}		15.0 ^{*♦}		0.0 ^{*♦}	
95-97	53.9 ^{*♦}		0.0 ^{*♦}		0.0 ^{*♦}		47.5 ^{*♦}		95.6 ^{*♦}		0.0 ^{*♦}	
98+	0.0 ^{*♦}		0.0 ^{*♦}		...		0.0 ^{*♦}		0.0 ^{*♦}		0.0 ^{*♦}	
Race/ethnicity												
▶ White	10.1	12.8	8.5	10.5	8.5	9.5	7.5	9.3	7.9	9.0	7.2	9.1
Black	15.9 ^{*♦}	19.7	9.0 ^{*♦}	13.8	8.8 ^{*♦}	15.6	10.0 ^{*♦}	14.5	5.1 ^{*♦}	7.4	9.0 ^{*♦}	13.0
Hispanic	6.5 ^{*♦}	8.4	6.2 ^{*♦}	15.6	0.0 ^{*♦}	0.0	5.8 ^{*♦}	20.8	12.0 ^{*♦}	10.3	0.0 ^{*♦}	0.0
Asian	9.4 ^{*♦}	31.8	0.0 ^{*♦}	0.0	0.0 ^{*♦}	0.0	0.0 ^{*♦}	0.0	0.0 ^{*♦}	0.0	0.0 ^{*♦}	0.0
Other	0.0 ^{*♦}	0.0	13.0 ^{*♦}	20.8	12.4 ^{*♦}	21.6	11.6 ^{*♦}	9.2	5.6 ^{*♦}	30.4	5.4 ^{*♦}	10.7
Unknown	0.0 ^{*♦}	...	0.0 ^{*♦}	...	73.0 ^{*♦}	...	0.0 ^{*♦}	...	0.0 ^{*♦}	...	175.3 ^{*♦}	...
Region												
▶ Northeast	6.0 [♦]	7.2	9.1 [♦]	10.5	6.5 [♦]	8.0	5.8 [♦]	8.2	6.6 [♦]	7.5	7.2 [♦]	10.2
South	11.9 [*]	15.1	7.0 ^{*♦}	9.1	8.8 ^{*♦}	9.6	8.1 ^{*♦}	9.6	7.0 ^{*♦}	8.6	6.3 ^{*♦}	7.7
Midwest	7.7 ^{*♦}	8.7	11.5 ^{*♦}	13.7	9.4 ^{*♦}	11.1	8.9 ^{*♦}	10.9	6.5 ^{*♦}	5.5	10.7 ^{*♦}	13.9
West	15.9 ^{*♦}	23.0	6.5 ^{*♦}	9.5	8.4 ^{*♦}	10.3	6.8 ^{*♦}	7.9	11.0 ^{*♦}	15.0	4.7 ^{*♦}	5.9

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-45. Inpatient stays by privately insured individuals for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=263)		2003 (N=268)		2004 (N=247)		2005 (N=310)		2006 (N=194)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	6.1	16.5	5.6	16.7	5.0	14.3	6.0	16.2	3.8	12.5
Age										
18-24	1.3*♦		0.3*♦		0.6*♦		0.7*♦		0.6*♦	
25-34	1.5*♦		0.8*♦		1.3*♦		1.1*♦		0.5*♦	
35-39	1.5*♦		1.8*♦		1.3*♦		1.3*♦		2.1*♦	
40-44	1.6*♦		1.3*♦		2.1*♦		1.6*♦		0.6*♦	
45-54	3.5*		3.7*		3.7*		2.7*		3.2*	
55-64	11.2*		11.3*		7.5*		10.0*		7.5*	
▶ 65-74	37.5		29.8		24.6		29.5		21.4	
75-84	77.9*		68.7*		60.3*		72.8*		66.4*	
85+	...		114.3*♦		103.6*♦		105.1*		36.1*♦	
Race/ethnicity										
▶ White	6.1	15.3	6.5	18.3	5.1	15.1	6.6	18.4	4.3	14.3
Black	14.1*♦	18.3	9.6*♦	24.3	9.3*♦	21.5	8.1*♦	14.8	3.8*♦	13.9
Hispanic	2.4*♦	22.5	4.2*♦	17.3	1.5*♦	8.7	3.0*♦	15.1	1.3*♦	5.4
Asian	...	...	2.0*♦	11.4	4.3*♦	26.9	3.9*♦	41.2	1.9*♦	16.4
Other	4.7*♦	324.7	3.3*♦	32.5	9.1*♦	28.3	4.2*♦	20.1	...	...
Unknown	5.6*♦	...	5.8*♦	...	5.2*♦	...	4.1*♦	...	3.0*♦	...
Missing	6.3*	...	4.6*	...	5.4*	...	5.5*	...	4.1*♦	...
Region										
Northeast	7.0	23.0	7.1	19.5	5.8	12.5	7.1	26.4	5.4*	21.6
South	6.8	18.6	5.4	14.9	4.6*	14.3	5.0*	13.5	3.6	9.9
▶ Midwest	6.0	14.3	6.6	19.6	6.4	16.5	7.7	19.2	3.6	13.1
West	3.6*♦	23.5	2.7*♦	9.4	2.9*♦	9.3	4.6*	12.2	3.4*♦	13.1

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-46. Hospital outpatient visits by Medicare beneficiaries for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=11,360)		2003 (N=10,360)		2004 (N=11,720)		2005 (N=12,420)		2006 (N=14,460)		2007 (N=12,860)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	72.7	71.8	64.4	62.8	71.5	68.9	75.3	76.8	89.0	93.2	79.1	84.3
Under 65/65+												
< 65 Years	77.5*	77.5	66.8*	66.8	72.3	72.3	70.2*	70.2	72.1*	72.1	60.7*	60.7
▶ 65+ Years	71.2	71.8	63.7	62.8	71.3	68.9	77.1	76.8	95.1	93.2	86.0	84.3
Age												
▶ 65-69	40.9		42.1		38.8		39.5		47.3		52.7	
70-74	54.0*		46.1*		56.8*		58.7*		82.3*		70.4*	
75-79	79.3*		69.8*		76.3*		88.7*		113.1*		87.8*	
80-84	106.6*		81.6*		113.4*		124.9*		129.3*		120.4*	
85-89	161.0*		139.4*		121.9*		156.6*		185.6*		173.8*	
90-94	128.5*♦		179.0*♦		227.1*♦		204.1*♦		240.3*		198.2*♦	
95-97	215.5*♦		103.8*♦		202.1*♦		95.0*♦		382.6*♦		139.9*♦	
98+	132.6*♦		130.8*♦		128.7*♦		...		41.2*♦		202.0*♦	
Race/ethnicity												
▶ White	69.9	71.2	60.6	60.2	70.0	66.9	74.3	75.9	87.8	89.1	74.3	77.8
Black	106.1*	97.9	97.6*	90.9	89.1*	93.1	76.2*	98.5	104.1*	145.2	108.8*	163.8
Hispanic	90.5*♦	116.1	43.5*♦	49.0	66.2*♦	132.5	87.6*♦	62.0	89.8*♦	131.7	99.8*♦	98.4
Asian	18.8*♦	25.2	61.7*♦	83.8	58.4*♦	41.6	109.9*♦	101.7	62.0*♦	105.2	73.6*♦	68.9
Other	50.0*♦	75.0	97.6*♦	155.0	74.3*♦	210.4	75.6*♦	75.0	90.4*♦	117.9	112.8*♦	134.6
Unknown	76.0*♦	...	...	...	0.0*♦	...	77.9*♦	...	82.9*♦	...	175.3*♦	...
Region												
▶ Northeast	73.1	58.3	75.7	61.2	78.2	56.3	77.5	63.5	106.5	100.7	90.7	88.6
South	41.9*	43.4	42.9*	44.7	42.0*	41.6	41.0*	43.2	43.5*	50.1	57.8*	66.3
Midwest	107.9*	114.1	86.0*	80.4	99.8*	102.8	105.8*	113.4	128.3*	137.4	105.0*	107.7
West	90.9*	87.5	69.3*	79.6	90.1*	93.6	105.3*	110.7	115.5*	116.0	78.6*	84.9

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-47. Hospital outpatient visits by privately insured individuals for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=879)		2003 (N=987)		2004 (N=972)		2005 (N=1,199)		2006 (N=886)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	20.5	43.8	20.6	51.2	19.9	51.9	23.1	53.1	17.4	48.9
Age										
18-24	10.7*		6.3*		4.3*♦		5.2*		6.9*	
25-34	6.3*		7.6*		4.6*		8.2*		5.8*	
35-39	6.8*		9.5*		6.0*		7.3*		8.0*	
40-44	12.1*		7.8*		7.9*		6.9*		6.8*	
45-54	17.4*		14.5*		14.3*		15.3*		10.7*	
55-64	41.7*		38.3*		39.6*		41.9*		36.0*	
▶ 65-74	90.5		78.6		83.2		91.1		97.4	
75-84	142.3*		125.1*		146.6*		159.7*		204.6*	
85+	...		672.2*		570.1*		489.3*		196.0*	
Race/ethnicity										
▶ White	21.3	46.5	25.8	68.7	21.9	57.8	25.3	58.6	18.6	48.8
Black	28.2*♦	40.6	38.4*	69.9	26.2*	54.9	31.8*	73.3	18.8*	56.1
Hispanic	12.4*♦	28.8	11.9*	24.1	13.6*	36.1	15.5*	32.0	15.1*	42.4
Asian	5.8*♦	11.7	8.1*♦	19.2	4.3*♦	14.1	9.8*♦	48.6	5.7*♦	49.5
Other	37.5*♦	127.0	26.0*♦	45.0	18.3*♦	49.2	16.7*♦	37.8	18.4*♦	29.8
Unknown	29.0*	...	13.9*	...	19.4*	...	16.8*	...	17.6*	...
Missing	20.0*	...	15.7*	...	16.2*	...	20.5*	...	15.0*	...
Region										
Northeast	18.4*	34.7	19.4*	38.8	16.7*	32.7	15.1*	31.2	12.5*	38.4
South	20.8*	42.2	18.0*	36.5	17.2*	40.9	20.2*	41.7	18.0	51.6
▶ Midwest	24.7	53.4	29.0	79.1	28.5	76.5	31.8	73.6	19.0	55.6
West	10.4*	26.6	9.8*	28.2	11.6*	30.7	19.9*	48.8	16.1*	39.9

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-48. Hospital outpatient visits for male urinary incontinence, 2002-2007 (merged), 6-year count, number of visits,^a percentage of visits

	6-Year Count	Number of Visits	Percentage of Visits
Primary diagnosis	75,311	142,971,262	0.10%
Any diagnosis	163,525	142,971,262	0.10%

^aTotal number of visits by men over 18 years of age, 2002-2007.

SOURCE: National Hospital Ambulatory Medical Care Survey, 2002-2007.

Table 4-49. Ambulatory surgery center visits by Medicare beneficiaries for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=4,640)		2003 (N=4,560)		2004 (N=4,600)		2005 (N=4,360)		2006 (N=4,940)		2007 (N=4,120)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	42.5	52.1	43.8	49.4	46.0	55.2	42.6	53.9	47.9	60.5	40.6	49.7
Age												
▶ 65-69	27.1		38.4		28.5		23.6		30.2		35.0	
70-74	50.1*		44.1*		45.7*		49.5*		66.7*		49.0*	
75-79	65.4*		57.8*		77.1*		76.4*		76.8*		53.0*	
80-84	84.7*		66.7*		74.8*		70.2*		60.4*		68.8*	
85-89	62.8*♦		55.3*♦		94.0*		96.0*		116.3*		66.6*♦	
90-94	25.7*♦		89.5*♦		62.7*♦		45.4*♦		37.6*♦		44.1*♦	
95-97	53.9*♦		...		151.6*♦		...		...		46.6*♦	
Race/ethnicity												
▶ White	43.8	53.4	46.3	52.2	48.6	56.7	45.7	57.4	50.7	63.6	42.5	51.9
Black	47.8*	66.2	43.7*	50.2	31.4*♦	52.6	26.2*♦	34.7	44.4*	68.5	30.7*♦	40.9
Hispanic	12.9*♦	...	6.2*♦	69.5	42.1*♦	155.3	46.7*♦	85.2	12.0*♦	0	11.7*♦	36.3
Asian	9.4*♦	35	...	...	16.7*♦	67.3	15.7*♦	33	15.5*♦	42.1	36.8*♦	56.4
Other	7.1*♦	23.8	6.5*♦	...	31.0*♦	75.5	5.8*♦	0	16.9*♦	30.4	43.0*♦	39.3
Unknown	76.0*♦	...	...	...	73.0*♦	...	77.9*♦	...	...	...	...	...
Region												
▶ Northeast	41.2	47.6	50.9	52.1	36.9	43.9	45.2	57.8	48.0	60.3	34.2	41.7
South	46.2*	54.9	46.8*	55.5	56.4*	66.6	44.5*	56.1	50.8*	64.9	43.8*	56.5
Midwest	53.2*	67.3	43.5*	45.4	46.9*	54.9	47.7*	57.6	55.1*	68.4	48.4*	55.1
West	19.7*♦	26.3	29.6*	38.5	31.4*	41.4	28.5*	39.5	31.6*	38.7	30.2*	36.7

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-50. Ambulatory surgery center visits by privately insured individuals for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=79)		2003 (N=84)		2004 (N=101)		2005 (N=98)		2006 (N=80)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.8	4.9	1.8	4.5	2.1	5.7	1.9	4.4	1.6	4.2
Age										
18-24	0.2 ^{*♦}		0.2 ^{*♦}		0.2 ^{*♦}		0.3 ^{*♦}		0.3 ^{*♦}	
25-34	0.4 ^{*♦}		0.5 ^{*♦}		0.7 ^{*♦}		0.1 ^{*♦}		0.3 ^{*♦}	
35-39	0.2 ^{*♦}		0.2 ^{*♦}		0.5 ^{*♦}		0.6 ^{*♦}		1.0 ^{*♦}	
40-44	1.2 ^{*♦}		0.8 ^{*♦}		0.6 ^{*♦}		0.6 ^{*♦}		1.5 ^{*♦}	
45-54	0.9 ^{*♦}		1.4 ^{*♦}		1.4 ^{*♦}		1.7 ^{*♦}		0.7 ^{*♦}	
55-64	3.8 ^{*♦}		4.3 ^{*♦}		3.6 ^{*♦}		4.3 ^{*♦}		4.0 ^{*♦}	
▶ 65-74	11.9 [♦]		11.4 [♦]		12.8 [♦]		9.1 [♦]		8.0 [♦]	
75-84	19.7 ^{*♦}		12.3 ^{*♦}		22.5 ^{*♦}		13.2 ^{*♦}		18.0 ^{*♦}	
85+	...		9.1 ^{*♦}		21.6 ^{*♦}		13.1 ^{*♦}		5.2 ^{*♦}	
Race/ethnicity										
▶ White	2.3	5.9	2.1	5.4	2.1	7.2	2.3	5.3	1.7	4.4
Black	...	...	0.8 ^{*♦}	6.5	2.7 ^{*♦}	22.4	1.0 ^{*♦}	8.3	1.6 ^{*♦}	11.5
Hispanic	0.6 ^{*♦}	7.5	...	...	2.3 ^{*♦}	8.0	0.5 ^{*♦}	1.9	1.8 ^{*♦}	17.3
Asian	1.5 ^{*♦}	18.0	...	...	0.7 ^{*♦}	24.3	2.0 ^{*♦}	15.6	...	...
Other	14.1 ^{*♦}	138.8	3.3 ^{*♦}	32.5	...	...	...	...	2.0 ^{*♦}	...
Unknown	...	...	2.7 ^{*♦}	...	2.6 ^{*♦}	...	0.3 ^{*♦}	...	1.5 ^{*♦}	...
Missing	1.7 [*]	...	1.6 ^{*♦}	...	1.9 ^{*♦}	...	2.0 ^{*♦}	...	1.3 ^{*♦}	...
Region										
Northeast	1.5 [♦]	6.6	2.0 [♦]	6.9	1.3 ^{*♦}	3.2	1.6 [♦]	8.2	1.1 [♦]	2.4
South	2.0	5.6	1.7	5.0	2.2	7.3	2.0	4.7	2.1 [*]	6.9
▶ Midwest	2.0 [♦]	4.5	1.9	4.5	2.7	7.3	1.8 [♦]	4.7	1.3 [♦]	3.9
West	1.3 ^{*♦}	10.0	1.1 ^{*♦}	3.8	0.9 ^{*♦}	4.7	1.9 ^{*♦}	6.7	0.8 ^{*♦}	1.9

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-51. Nationally representative ambulatory surgery center visits for male urinary incontinence listed as primary diagnosis, count, rate^a

	Count	Rate
Total	8,415	7.9
Age		
45-54	2,360	11.3
55-64	281	1.9
▶ 65-74	1,525	17.9
75-84	2,050	38.5 [*]
85+	2,199	165.4 [*]

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

^aRate per 100,000 individuals in the same demographic stratum is based on 2006 population estimates from Current Population Survey (CPS).

SOURCE: National Survey of Ambulatory Surgery, 2006.

Table 4-52. Physician office visits by Medicare beneficiaries for male urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=322,080)		2003 (N=351,920)		2004 (N=372,420)		2005 (N=412,680)		2006 (N=436,060)		2007 (N=441,940)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	2,062	2,531	2,189	2,669	2,273	2,761	2,502	3,073	2,685	3,304	2,720	3,387
Under 65/65+												
< 65 Years	747.8*	747.8	803.3*	803.3	853.6*	853.6	929.4*	929.4	951.1*	951.1	939.5*	939.5
▶ 65+ Years	2,496	2,531	2,655	2,669	2,759	2,761	3,058	3,073	3,303	3,304	3,377	3,387
Age												
▶ 65-69	1,204		1,210		1,300		1,437		1,562		1,512	
70-74	1,934*		2,168*		2,206*		2,360*		2,624*		2,664*	
75-79	3,025*		3,126*		3,286*		3,786*		4,031*		4,313*	
80-84	4,238*		4,427*		4,423*		4,805*		5,198*		5,435*	
85-89	5,082*		5,454*		5,695*		6,531*		6,759*		6,703*	
90-94	4,748*		5,623*		6,469*		6,750*		7,127*		6,615*	
95-97	3,556*		4,777*		5,154*		5,318*		6,026*		6,716*	
98+	1,017*♦		1,308*		858.0*♦		927.1*♦		1,276*		1,212*	
Race/ethnicity												
▶ White	2,117	2,566	2,249	2,708	2,334	2,792	2,566	3,103	2,777	3,354	2,803	3,430
Black	1,601*	2,325	1,569*	2,254	1,721*	2,478	2,044*	3,060	2,032*	3,132	2,144*	3,353
Hispanic	1,648*	1,940	1,950*	2,249	2,101*	2,543	2,155*	2,531	2,323*	2,576	2,341*	2,747
Asian	2,013*	1,971	2,267*	2,300	2,151*	2,289	2,582*	2,551	2,721*	2,878	2,744*	2,995
Other	2,257*	3,182	2,543*	3,665	2,403*	3,276	2,291*	3,064	2,253*	3,227	2,298*	3,125
Unknown	4,183*	...	6,010*	...	5,259*	...	3,352*	...	3,728	...	4,382*	...
Region												
▶ Northeast	2,311	2,807	2,507	2,986	2,552	3,093	2,787	3,378	2,975	3,582	2,984	3,655
South	2,099*	2,618	2,237*	2,760	2,333*	2,856	2,594*	3,199	2,863*	3,578	2,948*	3,703
Midwest	1,892*	2,223	1,951*	2,327	2,040*	2,387	2,218*	2,669	2,362*	2,817	2,332*	2,792
West	1,946*	2,464	2,074*	2,605	2,170*	2,717	2,396*	3,032	2,436*	3,100	2,479*	3,237

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-53. Physician office visits by privately insured individuals for male urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=10,845)		2003 (N=12,223)		2004 (N=13,589)		2005 (N=16,542)		2006 (N=15,076)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	253.2	601.8	255.2	663.7	277.7	722.9	318.3	772.7	296.0	863.4
Age										
18-24	57.2*		41.5*		38.7*		49.8*		52.3*	
25-34	70.7*		74.8*		67.8*		74.8*		81.7*	
35-39	92.2*		95.2*		97.0*		102.7*		110.4*	
40-44	117.1*		107.6*		136.3*		129.7*		135.7*	
45-54	192.6*		199.9*		191.9*		209.3*		234.7*	
55-64	519.8*		501.6*		562.8*		585.7*		628.8*	
▶ 65-74	1,225*		1,238		1,298		1,392		1,548	
75-84	2,397*		2,530*		2,800*		3,073*		3,658*	
85+	...		3,091*		3,576*		3,704*		3,585*	
Race/ethnicity										
▶ White	298.1	677.6	307.8	792.4	285.6	752.1	326.9	811.7	319.3	932.8
Black	361.8*	559.3	349.1*	604.9	324.3*	639.0	371.0*	669.2	311.4*	802.7
Hispanic	194.7*	427.7	189.6*	469.9	187.9*	500.3	206.6*	517.4	205.2*	578.4
Asian	219.9*	796.1	289.8*	966.8	272.6*	937.0	279.2*	943.4	205.6*	662.9
Other	206.2*	368.9	250.3*	555.1	257.9*	535.8	382.6*	773.2	260.0*	564.0
Unknown	276.7*	...	278.1*	...	280.0*	...	309.8*	...	307.8*	...
Missing	219.6*	...	188.6*	...	281.7*	...	341.3*	...	250.9*	...
Region										
Northeast	321.5*	670.5	313.5*	740.8	359.5*	822.9	387.5*	894.3	349.8*	938.7
South	232.8*	563.1	243.7*	645.8	260.9*	737.8	307.4	787.6	303.3*	926.8
▶ Midwest	272.0	630.3	273.3	677.2	289.1	691.0	311.9	705.3	248.3	751.6
West	216.9*	606.6	199.7*	636.9	238.8*	720.7	312.4*	809.8	326.0*	850.1

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-54. Nationally representative physician office visits for male urinary incontinence listed as any diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	3,897,712
Age	
40-44	193,569
45-54	798,401
55-64	649,916
65-74	917,412
75-84	959,249
85+	379,165
Race/ethnicity	
White	3,213,076
Black	442,228
Hispanic	242,408
Region	
Northeast	688,831
South	1,602,907
Midwest	629,444
West	976,530

SOURCE: National Ambulatory Medical Care Survey, 2002-2007; National Hospital Ambulatory Medical Care Survey, 2002-2007.

Table 4-55. Physician office visits for male urinary incontinence, 2002-2007 (merged), 6-year count, number of visits,^a percentage of visits, 6-year rate,^b annualized rate^c

	6-Year Count	Number of Visits	Percentage of Visits	6-Year Rate	Annualized Rate
Primary diagnosis	1,955,119	1,726,083,987	0.10%	1,867	311.0
Any diagnosis	4,027,012	1,726,083,987	0.20%	3,845	641.0

^aTotal number of visits by men over 18 years of age, 2002-2007.

^bRate per 100,000 based on the sum of weighted counts in 2002-2007 over the mean estimated base population across the same years. Population estimates from Public Use Microdata Sample (PUMS) files from the American Community Survey, for relevant demographic categories of US male adult civilian non-institutionalized population.

^cBased on averages calculated using the 6-year rate.

SOURCE: National Ambulatory Medical Care Survey, 2002-2007.

Table 4-56. Emergency room visits by Medicare beneficiaries for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=2,620)		2003 (N=1,540)		2004 (N=2,020)		2005 (N=1,820)		2006 (N=1,880)		2007 (N=1,740)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	16.8	19.8	9.6	10.1	12.3	12.4	11.0	11.3	11.6	12.2	10.7	9.4
Under 65/65+												
< 65 Years	9.3 ^{*♦}	9.3	6.9 ^{*♦}	6.9	7.7 ^{*♦}	7.7	7.0 ^{*♦}	7.0	7.5 ^{*♦}	7.5	12.3 ^{*♦}	12.3
▶ 65+ Years	19.2	19.8	10.5	10.1	13.9	12.4	12.5	11.3	13.0	12.2	10.1	9.4
Age												
▶ 65-69	8.3 [♦]		5.3 [♦]		6.7 [♦]		2.6 [♦]		6.8 [♦]		3.7 [♦]	
70-74	14.3 ^{*♦}		4.5 ^{*♦}		7.8 ^{*♦}		9.9 ^{*♦}		7.5 ^{*♦}		3.4 ^{*♦}	
75-79	16.4 ^{*♦}		12.0 ^{*♦}		14.5 ^{*♦}		13.1 ^{*♦}		12.7 ^{*♦}		9.6 ^{*♦}	
80-84	43.7 ^{*♦}		16.1 ^{*♦}		13.3 ^{*♦}		20.2 ^{*♦}		23.0 ^{*♦}		31.9 ^{*♦}	
85-89	46.4 ^{*♦}		28.9 ^{*♦}		40.6 ^{*♦}		27.8 ^{*♦}		27.2 ^{*♦}		9.5 ^{*♦}	
90-94	42.8 ^{*♦}		40.7 ^{*♦}		78.3 ^{*♦}		83.2 ^{*♦}		60.1 ^{*♦}		44.1 ^{*♦}	
95-97	...		51.9 ^{*♦}		101.1 ^{*♦}		47.5 ^{*♦}		47.8 ^{*♦}		46.6 ^{*♦}	
98+	...		43.6 ^{*♦}		128.7 ^{*♦}		0.0 ^{*♦}		0.0 ^{*♦}		...	
Race/ethnicity												
▶ White	14.5	17.0	8.4	9.0	11.7	11.6	11.3	11.4	12.0	13.1	10.2	9.5
Black	33.2 ^{*♦}	45.6	21.8 ^{*♦}	27.5	17.6 ^{*♦}	20.9	8.7 ^{*♦}	11.8	11.4 ^{*♦}	15.1	12.8 ^{*♦}	14.9
Hispanic	19.4 ^{*♦}	52.2	0.0 ^{*♦}	0.0	18.1 ^{*♦}	67.1	23.4 ^{*♦}	53.6	0.0 ^{*♦}	0.0	11.7 ^{*♦}	38.9
Asian	9.4 ^{*♦}	38.8	0.0 ^{*♦}	0.0	8.3 ^{*♦}	43.9	...	...	0.0 ^{*♦}	0.0	...	...
Other	28.6 ^{*♦}	75.7	13.0 ^{*♦}	29.8	12.4 ^{*♦}	37.4	5.8 ^{*♦}	0.0	11.3 ^{*♦}	...	26.8 ^{*♦}	50.5
Unknown	152.1 ^{*♦}	...	80.1^{*♦}	...	...	...	...	...	82.9^{*♦}	...	...	...
Region												
▶ Northeast	14.0 [♦]	15.5	8.5 [♦]	7.6	11.0 [♦]	10.2	11.6 [♦]	14.1	14.5 [♦]	16.8	11.8 [♦]	12.1
South	19.2 [*]	22.6	9.0 ^{*♦}	9.6	11.3 [*]	10.4	10.0 [*]	11.3	11.7 [*]	11.9	10.2 [*]	7.7
Midwest	15.3 [*]	19.3	10.5 ^{*♦}	11.0	12.4 ^{*♦}	13.4	11.3 ^{*♦}	7.7	12.5 ^{*♦}	14.6	12.7 ^{*♦}	13.7
West	16.7 ^{*♦}	19.0	10.8 ^{*♦}	12.9	16.1 ^{*♦}	18.4	12.2 ^{*♦}	13.2	6.9 ^{*♦}	4.4	8.1 ^{*♦}	10.1

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

Table 4-57. Emergency room visits by privately insured individuals for male urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=115)		2003 (N=135)		2004 (N=81)		2005 (N=119)		2006 (N=62)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	2.7	6.0	2.8	5.6	1.7	3.6	2.3	5.1	1.2	2.0
Age										
18-24	2.2 ^{*♦}		1.8 ^{*♦}		1.0 ^{*♦}		0.4 ^{*♦}		0.7 ^{*♦}	
25-34	0.5 ^{*♦}		1.6 ^{*♦}		0.6 ^{*♦}		1.6 ^{*♦}		0.5 ^{*♦}	
35-39	1.5 ^{*♦}		0.8 ^{*♦}		1.0 ^{*♦}		0.6 ^{*♦}		1.9 ^{*♦}	
40-44	2.0 ^{*♦}		1.3 ^{*♦}		1.3 ^{*♦}		0.9 ^{*♦}		0.5 ^{*♦}	
45-54	1.8 ^{*♦}		3.0 [*]		0.9 ^{*♦}		0.6 ^{*♦}		0.6 ^{*♦}	
55-64	3.2 ^{*♦}		5.0 [*]		3.6 [*]		4.0 ^{*♦}		3.0 [*]	
▶ 65-74	11.3 [♦]		8.1 [*]		3.1 [*]		10.8 [*]		5.5 [*]	
75-84	29.1 ^{*♦}		18.4 ^{*♦}		14.2 ^{*♦}		20.8 ^{*♦}		...	
85+	...		22.9 ^{*♦}		25.9 ^{*♦}		23.0 ^{*♦}		...	
Race/ethnicity										
▶ White	2.7	4.7	2.3	4.3	1.3	3.1	1.9	4.0	0.8 [*]	1.2
Black	...	...	4.8 ^{*♦}	26.5	2.7 ^{*♦}	11.5	6.1 ^{*♦}	28.7	2.2 ^{*♦}	8.6
Hispanic	2.4 ^{*♦}	24.2	3.1 ^{*♦}	17.2	2.8 ^{*♦}	8.0	0.7 ^{*♦}	15.5	2.2 ^{*♦}	6.1
Asian	...	...	1.0 ^{*♦}	7.7	0.7 ^{*♦}	97.3	...	...	...	...
Other	...	...	...	...	...	...	...	...	4.1 ^{*♦}	17.6
Unknown	0.6 ^{*♦}	...	4.9 ^{*♦}	...	1.6 ^{*♦}	...	3.0 ^{*♦}	...	0.6 ^{*♦}	...
Missing	3.0 [*]	...	3.2 [*]	...	2.5 ^{*♦}	...	4.9 [*]	...	2.8 ^{*♦}	...
Region										
Northeast	1.1 ^{*♦}	6.6	1.3 ^{*♦}	9.5	1.1 [*]	5.6	3.6 [*]	13.8	2.0 [*]	...
South	2.2 [*]	5.4	3.4	5.7	2.3 [*]	5.6	2.3	6.3	1.4	3.3
▶ Midwest	4.2	8.6	3.4	7.7	1.3 [*]	3.9	2.6	5.5	1.1 [*]	1.9
West	1.3 ^{*♦}	4.2	0.6 ^{*♦}	1.0	0.9 ^{*♦}	7.3	0.5 ^{*♦}	4.3	0.3 ^{*♦}	...

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-58. Procedures among privately insured individuals for male urinary incontinence listed as primary diagnosis, count, rate^a

	2002		2003		2004		2005		2006	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate
Total	41	1,013	64	1,162	82	1,407	87	1,263	62	976.0
Operation for correction of incontinence	36	890.0	55	998.0	68	1,166	66	958.0	55	866.0
Ambulatory Surgery Center	1	25.0	...	...	1	17.0	...	...	1	16.0
Hospital Outpatient	10	247.0	25	454.0	40	686.0	35	508.0	31	488.0
Inpatient	25	618.0	30	545.0	27	463.0	30	435.0	21	331.0
Physician Office	...	...	...	...	...	...	1	15.0	2	31.0

... Data unavailable.

^aRate per 100,000 based on patients with primary diagnosis of urinary incontinence in the same calendar year.

NOTE: Counts less than 30 should be interpreted with caution.

SOURCE: i3 Claims Database, 2002-2006.

Table 4-59. Procedure use in Medicare beneficiaries for treatment of male urinary incontinence listed as primary diagnosis, 2002-2007 (merged), count,^a rate^b

	Count	Rate
Total	14,500	1,337
Operation for correction of incontinence	11,820	1,090
Ambulatory Surgery Center	5,940	548.0
Hospital Outpatient	680	63.0
Inpatient	4,780	441.0
Physician Office	420	39.0
Revision or repair of prosthetic	2,680	247.0
Ambulatory Surgery Center	1,260	116.0
Hospital Outpatient	260	24.0
Inpatient	960	88.0
Physician Office	200	18.0

^aUnweighted counts multiplied by 20 to arrive at counts in table.

^bRate per 100,000 male Medicare beneficiaries with a primary diagnosis of urinary incontinence.

NOTE: Counts less than 600 should be interpreted with caution.

SOURCE: Centers for Medicare and Medicaid Services, 5% Carrier and Outpatient Files, 2002-2007.

Table 4-60. Inpatient stays by privately insured individuals for pediatric urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=88)		2003 (N=81)		2004 (N=94)		2005 (N=75)		2006 (N=107)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	2.6	2.6	2.2	2.2	2.6	2.6	2.1	2.0	2.9	2.9
Age										
▶ 0-2	3.6 [♦]		3.9 [♦]		3.4 [♦]		3.7 [♦]		4.4 [♦]	
3-10	2.1 [*]		1.8 ^{**}		2.4 [*]		2.3 [*]		2.7 [*]	
11-17	2.7 [*]		2.0 ^{**}		2.4 [*]		1.1 ^{**}		2.6 [*]	
Race/ethnicity										
▶ White	2.1 [♦]	2.1	2.2	2.2	2.3	2.3	1.9	1.8	3.1	3.1
Black	0.9 ^{**}	2.2	2.0 ^{**}	2.4	2.5 ^{**}	2.6	1.7 ^{**}	1.7	1.2 ^{**}	2.2
Hispanic	5.1 ^{**}	4.4	1.3 ^{**}	2.2	2.5 ^{**}	2.5	2.7 ^{**}	2.8	3.4 ^{**}	3.5
Asian	5.5 ^{**}	4.7	...	...	3.9 ^{**}	5.5	...	...	2.7 ^{**}	5.7
Other	...	...	3.5 ^{**}	10.7	...	...	5.1 ^{**}	6.3	2.5 ^{**}	5.3
Unknown	2.4 ^{**}	...	2.3 ^{**}	...	2.6 ^{**}	...	2.1 ^{**}	...	0.9 ^{**}	...
Missing	2.8 [*]	...	2.4 [*]	...	3.6 ^{**}	...	2.8 ^{**}	...	3.6 ^{**}	...
Region										
Northeast	7.1 ^{**}	7.5	1.7 [♦]	1.8	2.3 [♦]	2.2	2.3 [♦]	2.2	1.6 ^{**}	1.6
South	2.0 [♦]	2.0	2.1	2.1	2.1 [*]	2.2	1.7 [♦]	1.7	2.3 [*]	2.3
▶ Midwest	2.5	2.5	2.7	2.7	3.7	3.7	2.4	2.4	5.0	5.0
West	0.9 ^{**}	0.7	1.5 ^{**}	1.5	1.3 ^{**}	1.3	2.0 ^{**}	1.9	1.3 ^{**}	1.3
Gender										
Female	2.8 [*]	2.9	2.1 [*]	2.1	2.0 [*]	2.0	1.8 [*]	1.8	2.6 [*]	2.6
▶ Male	2.4	2.4	2.3	2.4	3.2	3.2	2.3	2.3	3.3	3.3

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-61. Hospital outpatient visits by privately insured individuals for pediatric urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,683)		2003 (N=1,704)		2004 (N=1,695)		2005 (N=2,040)		2006 (N=1,955)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	49.5	48.4	46.3	45.4	46.4	45.7	55.9	55.2	53.8	53.2
Age										
▶ 0-2	6.5		5.9		7.5		8.8		9.7	
3-10	82.4*		73.5*		72.6*		88.7*		84.8*	
11-17	29.6*		31.9*		32.7*		38.6*		37.4*	
Race/ethnicity										
▶ White	58.2	56.6	58.2	56.9	53.3	52.4	65.4	64.5	61.5	60.5
Black	45.0*	43.3	50.3*	49.1	43.4*	42.3	39.2*	38.7	34.6*	34.2
Hispanic	36.0*	35.0	34.0*	33.4	27.3*	26.7	32.5*	31.9	32.7*	32.2
Asian	16.5**	15.8	26.2**	26.7	19.4**	18.8	26.1**	26.8	18.9**	18.6
Other	44.2**	51.9	74.5**	72.8	54.7**	64.6	38.0**	37.8	54.8**	54.7
Unknown	56.7*	...	51.6*	...	39.8*	...	48.1*	...	51.1*	...
Missing	45.5*	...	34.1*	...	39.9*	...	47.5*	...	50.7*	...
Region										
Northeast	34.2*	33.4	28.8*	28.3	40.3*	39.6	33.3*	32.8	45.9*	45.6
South	37.7*	37.0	35.4*	34.8	31.4*	31.0	39.5*	39.2	37.9*	37.6
▶ Midwest	68.9	67.6	70.2	69.1	69.8	68.9	87.5	86.5	85.4	84.4
West	43.7*	42.4	29.8*	28.8	39.2*	38.3	46.0*	45.1	37.1*	36.5
Gender										
Female	55.2*	54.0	50.5*	49.6	50.3*	49.5	68.1*	67.2	64.5*	63.7
▶ Male	43.9	43.0	42.3	41.5	42.8	42.1	44.2	43.7	43.6	43.2
Unknown	286.3**	...	61.8**	...	...	...	...	...	...	...

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

**Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-62. Nationally representative hospital outpatient visits for pediatric urinary incontinence listed as primary diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	184,966
Age	
0-2	10,576
3-10	98,639
11-17	75,751
Race/ethnicity	
White	140,792
Black	33,882
Hispanic	5,861
Other	4,431
Region	
Northeast	33,242
South	90,555
Midwest	52,613
West	8,556
Gender	
Female	64,100
Male	120,866

SOURCE: National Ambulatory Medical Care Survey, 2002-2007; National Hospital Ambulatory Medical Care Survey, 2002-2007.

Table 4-63. Ambulatory surgery center visits by privately insured individuals for pediatric urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=67)		2003 (N=38)		2004 (N=30)		2005 (N=29)		2006 (N=39)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	2.0	1.9	1.0	1.0	0.8	0.8	0.8*	0.9	1.1	1.1
Age										
▶ 0-2	0.5*		0.2*		0.5*		...		0.2*	
3-10	2.8*		1.5**		1.2**		1.1*		1.1**	
11-17	1.6**		0.9**		0.5**		0.8**		1.4**	
Race/ethnicity										
▶ White	3.2	3.2	1.5*	1.5	0.7*	0.7	0.9*	1.1	1.3*	1.3
Black	2.8**	6.3	0.7**	1.6	0.5**	1.2	...	...	...	...
Hispanic	...	...	0.4**	0.9	0.6**	1.0	0.3**	0.7	...	...
Asian	1.8**	3.9	...	...	...	...	0.9**	2.9	...	...
Other	4.9**	10.2	...	...	...	...	2.5**	5.4	5.0**	6.2
Unknown	2.4**	...	1.7**	...	0.9**	...	0.4**	...	1.3**	...
Missing	1.2**	...	0.6**	...	1.5**	...	0.9**	...	0.9**	...
Region										
Northeast	0.8**	0.9	0.5**	0.6	0.5**	0.9	0.8*	0.9	0.5**	0.9
South	1.2**	1.5	0.6**	0.7	0.3**	0.3	0.2**	0.2	0.6**	0.8
▶ Midwest	3.5	4.1	2.0*	2.0	1.7*	2.0	1.6*	1.9	2.2*	2.6
West	0.7**	0.7	0.2**	0.5	0.4**	0.8	0.6**	0.7	0.4**	0.5
Gender										
Female	1.7*	2.1	1.2*	1.4	1.0*	0.9	0.6*	0.7	1.0*	1.1
▶ Male	2.1	2.2	0.9*	0.8	0.7*	0.7	1.0*	1.2	1.2*	1.2

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

**Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-64. Nationally representative ambulatory surgery center visits for pediatric^a urinary incontinence listed as primary diagnosis, count, rate^b

	Count	Rate
Total	1,902	2.6

^aIndividuals under 18.

^bRate per 100,000 individuals in the same demographic stratum is based on 2006 population estimates from Current Population Survey (CPS).

SOURCE: National Survey of Ambulatory Surgery, 2006.

Table 4-65. Physician office visits by privately insured individuals for pediatric urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=23,631)		2003 (N=23,429)		2004 (N=23,822)		2005 (N=24,165)		2006 (N=23,301)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	695.2	680.8	637.3	623.7	652.7	640.9	661.8	653.3	641.2	633.2
Age										
▶ 0-2	52.5		47.9		43.3		39.0		42.7	
3-10	1,148*		1,046*		1,065*		1,078*		1,046*	
11-17	442.6*		410.9*		436.1*		454.4*		437.0*	
Race/ethnicity										
▶ White	850.2	827.9	758.0	740.7	722.9	708.6	723.0	712.3	701.0	689.4
Black	600.8*	581.0	512.8*	499.4	426.0*	414.7	476.9*	469.3	496.7*	490.2
Hispanic	501.6*	485.4	461.3*	449.8	421.8*	411.7	413.8*	405.5	392.7*	386.9
Asian	294.4*	278.8	341.2*	331.2	316.1*	309.6	365.7*	357.9	369.2*	366.7
Other	746.8*	747.8	670.2*	663.5	588.9*	576.0	638.4*	644.8	570.1*	572.5
Unknown	691.8*	...	758.2*	...	686.4*	...	668.7*	...	673.5*	...
Missing	622.7*	...	539.7*	...	650.3*	...	683.8*	...	651.8*	...
Region										
Northeast	592.8*	572.2	522.4*	507.9	561.1*	546.7	569.6*	559.2	583.3*	574.4
South	633.5*	622.2	578.7*	567.9	578.2*	569.1	597.5*	592.2	592.4*	587.7
▶ Midwest	818.4	803.1	765.2	751.6	778.2	767.0	778.7	769.8	748.1	739.4
West	622.0*	611.6	568.5*	554.3	644.8*	632.3	646.7*	635.2	594.7*	585.1
Gender										
Female	634.3*	621.0	594.0*	581.5	622.3*	611.0	634.6*	626.3	616.6*	609.1
▶ Male	753.6	738.3	679.0	664.5	682.0	669.9	688.0	679.5	664.7	656.5
Unknown	477.1*♦	...	247.2*♦	...	538.8*♦	...	479.0*♦	...	625.4*♦	...

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-66. Nationally representative physician office visits for pediatric urinary incontinence listed as any diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	2,412,886
Age	
0-2	49,784
3-10	1,837,734
11-17	525,368
Race/ethnicity	
White	1,893,079
Black	357,613
Hispanic	162,194
Region	
Northeast	64,673
South	1,227,860
Midwest	375,402
West	744,951
Gender	
Female	1,202,799
Male	1,210,087

SOURCE: National Ambulatory Medical Care Survey, 2002-2007; National Hospital Ambulatory Medical Care Survey, 2002-2007.

Table 4-67. Emergency room visits by privately insured individuals for pediatric urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=57)		2003 (N=108)		2004 (N=51)		2005 (N=77)		2006 (N=66)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.7	1.7	2.9	2.9	1.4	1.4	2.1	2.1	1.8	1.8
Age										
▶ 0-2	1.3 [♦]		0.3 [♦]		0.5 [♦]		0.2 [♦]		0.8 [♦]	
3-10	1.8 ^{*♦}		4.7 [*]		1.8 ^{*♦}		3.8 [*]		2.6 [*]	
11-17	1.7 ^{*♦}		2.0 ^{*♦}		1.3 ^{*♦}		1.0 ^{*♦}		1.3 ^{*♦}	
Race/ethnicity										
▶ White	1.4 [♦]	1.7	3.1	3.1	1.6	1.6	2.0	2.3	1.2 [♦]	1.2
Black	4.7 ^{*♦}	10.5	6.1 ^{*♦}	7.1	0.5 ^{*♦}	3.8	...	...	...	...
Hispanic	0.6 ^{*♦}	1.4	3.1 ^{*♦}	3.7	0.6 ^{*♦}	0.7	1.2 ^{*♦}	1.2	3.4 ^{*♦}	3.5
Asian	...	...	2.6 ^{*♦}	3.4	...	...	4.7 ^{*♦}	9.9	...	...
Other	4.9 ^{*♦}	26.1	...	...	5.2 ^{*♦}	6.5	2.5 ^{*♦}	7.5	...	...
Unknown	2.4 ^{*♦}	...	1.7 ^{*♦}	...	0.9 ^{*♦}	...	1.7 ^{*♦}	...	4.7 ^{*♦}	...
Missing	1.7 ^{*♦}	...	2.6 [*]	...	1.7 ^{*♦}	...	3.5 ^{*♦}	...	2.9 ^{*♦}	...
Region										
Northeast	2.3 [♦]	3.0	0.2 ^{*♦}	1.5	0.8 ^{*♦}	0.9	...	...	2.4 [♦]	2.5
South	0.9 ^{*♦}	1.0	2.8 [*]	2.7	1.1 ^{*♦}	1.1	1.4 ^{*♦}	1.6	1.2 ^{*♦}	1.4
▶ Midwest	2.8	2.7	4.9	5.8	2.0 [♦]	2.0	4.0	3.9	3.3	3.2
West	0.7 ^{*♦}	0.7	0.2 ^{*♦}	0.5	1.3 ^{*♦}	3.4	1.4 ^{*♦}	1.7	0.2 ^{*♦}	0.4
Gender										
Female	1.5 [♦]	1.9	2.9	2.9	1.8 [*]	1.8	1.8	2.2	1.6 [♦]	1.6
▶ Male	1.8	1.8	2.9	2.9	1.0 [♦]	1.0	2.4	2.3	2.0	2.0

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.

^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: i3 Claims Database, 2002-2006.

Table 4-68. Nationally representative emergency room visits for pediatric urinary incontinence listed as primary diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	5,717
Age	
0-2	...
3-10	2,681
11-17	3,036
Race/ethnicity	
White	5,395
Black	322
Hispanic	...
Region	
Northeast	...
South	...
Midwest	2,714
West	3,003
Gender	
Female	5,395
Male	322

... Data unavailable.

SOURCE: National Ambulatory Medical Care Survey, 2002-2007; National Hospital Ambulatory Medical Care Survey, 2002-2007.

Table 4-69. Inpatient stays by privately insured individuals for spinal cord injury-related urinary incontinence listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=17)		2003 (N=35)		2004 (N=23)		2005 (N=60)		2006 (N=27)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	0.2 [*]	0.5	0.4	0.5	0.2 [*]	0.2	0.6	0.6	0.3 [*]	0.3
Age										
18-24	0.3 [*]		0.5 [*]		0.8 [*]		1.5 ^{**}		0.3 [*]	
25-34	0.0 ^{*♦}		0.1 ^{*♦}		0.1 [*]		0.2 [*]		0.3 [*]	
35-39	...		0.2 ^{*♦}		0.2 [*]		0.2 [*]		0.2 [*]	
40-44	0.1 ^{*♦}		0.5 ^{*♦}		0.2 [*]		0.4 [*]		0.1 [*]	
45-54	0.1 ^{*♦}		0.6 ^{**}		0.2 [*]		0.7 [*]		0.3 [*]	
55-64	0.1 ^{*♦}		0.3 ^{*♦}		0.1 [*]		0.7 [*]		0.4 [*]	
▶ 65-74	...		...		0.3 [*]		0.4 [*]		0.3 [*]	
75-84	3.8^{*♦}		...		...		...		...
Race/ethnicity										
▶ White	0.3 [*]	0.8	0.4 [*]	0.7	0.3 [*]	0.2	0.5	0.3	0.3 [*]	0.3
Black	1.9 ^{*♦}	47.1	...	...	0.2 ^{*♦}	...	0.4 ^{*♦}	3.7	...	...
Hispanic	...	...	...	...	0.3 ^{*♦}	...	0.1 ^{*♦}	0.7	0.5 ^{*♦}	...
Asian	...	...	...	...	...	...	0.3 ^{*♦}	3.7	0.3 ^{*♦}	1.9
Other	...	...	8.6 ^{*♦}	63.1	...	...	1.1 ^{*♦}	5.6	...	...
Unknown	...	...	...	...	...	...	0.6 ^{*♦}	...	0.3 ^{*♦}	...
Missing	0.1 ^{*♦}	...	0.4 ^{*♦}	...	0.1 ^{*♦}	...	1.3 ^{*♦}	...	0.2 ^{*♦}	...
Region										
Northeast	0.5 ^{*♦}	11.6	0.2 [*]	1.6	...	...	0.7 ^{*♦}	2.6	0.5 ^{*♦}	0.8
South	0.2 [*]	1.0	0.4 [*]	1.0	0.3 ^{*♦}	0.3	0.8	0.8	0.3 [*]	0.3
▶ Midwest	0.1 [*]	0.3	0.2 [*]	0.6	0.1 [*]	0.1	0.2 [*]	0.3	0.2 [*]	0.4
West	...	...	0.6 ^{*♦}	1.5	0.5 ^{*♦}	1.8	0.4 ^{*♦}	0.6	0.1 ^{*♦}	...
Gender										
Female	0.2 ^{*♦}	1.3	0.1 ^{*♦}	0.4	0.1 ^{*♦}	0.3	0.0 ^{*♦}	...	0.1 ^{*♦}	0.3
▶ Male	0.3 [*]	0.8	0.6	0.8	0.3 [*]	0.3	1.1	1.2	0.4 ^{*♦}	0.3

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group (p<.05).

♦Rate based on a count less than 30, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: I3 Claims Database, 2002-2006.

Table 4-70. Physician office visits by Medicare beneficiaries for spinal cord injury-related urinary incontinence listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,840)		2003 (N=2,300)		2004 (N=3,060)		2005 (N=2,960)		2006 (N=2,660)		2007 (N=2,780)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	5.2	1.9	6.3	3.0	8.3	3.4	8.0	4.4	7.3	3.0	7.7	4.5
Under 65/65+												
< 65 Years	18.2*	18.2	19.2*	19.2	26.2*	26.2	21.3*	21.3	22.2*	22.2	19.2*	19.2
▶ 65+ Years	1.8 [♦]	1.9	2.9	3.0	3.4	3.4	4.2	4.4	3.0	3.0	4.2	4.5
Age												
▶ 65-69	1.6 [♦]		3.8*		4.4*		6.4*		2.0 [♦]		4.2*	
70-74	0.6**		2.0**		4.1**		2.1**		2.8**		1.9**	
75-79	5.4**		5.0**		3.7**		5.9**		3.9**		4.1**	
80-84	0.5**		1.9**		1.8**		4.1**		4.6**		8.6**	
85-89	0.9**		0.8**		0.8**		1.6**		1.6**		5.6**	
90-94	...		...		4.0**		...		5.9**		...	
Race/ethnicity												
▶ White	5.3	2.1	6.5	3.3	7.6	3.5	7.3	4.2	7.0	3.0	6.4	3.4
Black	6.3**	4.6	7.2**	3.4	12.5**	2.7	14.6**	15.6	7.2**	11.3	14.7**	20.0
Hispanic	3.0**	...	2.9**	...	14.1**	18.4	13.7**	17.1	16.9**	16.8	30.2**	40.5
Asian	...	...	...	...	...	...	...	...	13.3**	...	...	...
Other	...	...	...	...	15.1**	31.8	5.7**	...	2.8**	...	10.8**	30.8
Unknown	...	...	28.7**	...	27.1**	...	...	...	31.3**	...	33.7**	...
Region												
▶ Northeast	6.2 [♦]	2.9	5.6 [♦]	3.9	6.9 [♦]	2.5	4.5 [♦]	.	9.1	6.0	4.6 [♦]	4.4
South	4.8*	3.3	6.5*	2.9	7.2*	3.7	7.4*	6.5	7.7*	3.4	7.4*	5.2
Midwest	7.1*	6.4	6.1**	5.2	8.4*	4.5	13.2*	8.5	5.5**	3.4	7.7*	4.4
West	1.7**	1.6	7.0**	4.2	12.0*	8.7	5.7**	4.4	7.1**	1.4	11.7*	9.0
Gender												
Female	2.1**	1.0	3.6*	2.1	4.9*	3.4	4.3*	4.6	4.4*	3.6	5.1*	3.8
▶ Male	9.1	4.3	9.7	4.6	12.5	3.7	12.6	7.2	11.0	3.8	10.8	5.3

... Data unavailable.

▶ Denotes reference group.

*Statistically different from reference group ($p < .05$).

*Rate based on a count less than 600, should be interpreted with caution.

^aRate per 100,000 based on enrollment in calendar years for individuals in the same demographic stratum.^bRate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

SOURCE: Centers for Medicare and Medicaid Services, 5% Standard Analytical Claims Files.

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