

CHAPTER 12

Male Reproductive Health

Male Infertility
Erectile Dysfunction
Peyronie's Disease
Vasectomy
Undescended Testes

Table 12-1. Codes used in the diagnosis and management of male reproductive health**Erectile Dysfunction****Males 18 years or older with one or more of the following:***ICD-9 diagnosis codes*

302.7	Psychosexual dysfunction
302.70	Psychosexual dysfunction, unspecified
302.71	Psychosexual dysfunction with inhibited sexual desire
302.72	Psychosexual dysfunction with inhibited sexual excitement
302.74	Psychosexual dysfunction with inhibited male orgasm
607.82	Vascular disorders of penis
607.84	Impotence of organic origin
607.89	Other specified disorders of penis
607.9	Unspecified disorder of penis

ICD-9 procedure codes

64.94	Fitting of external prosthesis of penis
64.95	Insertion or replacement of non-inflatable penile prosthesis
64.96	Removal of internal prosthesis of penis
64.97	Insertion or replacement of inflatable penile prosthesis

CPT procedure codes

37788	Penile revascularization, artery, with or without vein graft
37790	Penile venous occlusive procedure
54115	Removal foreign body from deep penile tissue (eg, plastic implant)
54230	Injection procedure for corpora cavernosography
54231	Dynamic cavernosometry, including intracavernosal injection of vasoactive drugs (eg, papaverine, phentolamine)
54235	Injection of corpora cavernosa with pharmacologic agent(s) (eg, papaverine, phentolamine)
54240	Penile plethysmography
54250	Nocturnal penile tumescence and/or rigidity test
54400	Insertion of penile prosthesis; non-inflatable (semi-rigid)
54401	Insertion of penile prosthesis; inflatable (self-contained)
54405	Insertion of multi-component, inflatable penile prosthesis, including placement of pump, cylinders, and reservoir
54406	Removal of all components of a multi-component, inflatable penile prosthesis without replacement of prosthesis
54408	Repair of component(s) of a multi-component, inflatable penile prosthesis
54410	Removal and replacement of all component(s) of a multi-component, inflatable penile prosthesis at the same operative session
54411	Removal and replacement of all components of a multi-component, inflatable penile prosthesis through an infected field at the same operative session, including irrigation and debridement of infected tissue
54415	Removal of non-inflatable (semi-rigid) or inflatable (self-contained) penile prosthesis, without replacement of prosthesis
54416	Removal and replacement of non-inflatable (semi-rigid) or inflatable (self-contained) penile prosthesis at the same operative session
54417	Removal and replacement of non-inflatable (semi-rigid) or inflatable (self-contained) penile prosthesis through an infected field at the same operative session, including irrigation and debridement of infected tissue

Peyronie's Disease**Males 18 years or older with one or more of the following:***ICD-9 diagnosis codes*

607.81	Balanitis xerotica obliterans, induratio penis plastica
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ICD-9 procedure codes

64.4 ^a	Repair and plastic operation on penis
64.42 ^a	Release of chordee
64.49	Other repair of penis

CPT procedure codes

54110	Excision of penile plaque (Peyronie's disease)
54111	Excision of penile plaque (Peyronie's disease); with graft to 5 cm in length

Continued on next page.

Table 12-1 (continued). Codes used in the diagnosis and management of male reproductive health

54112	Excision of penile plaque (Peyronie's disease); with graft greater than 5 cm in length
54200	Injection procedure for Peyronie's disease
54205	Injection procedure for Peyronie's disease; with surgical exposure of plaque
54360	Plastic operation on penis to correct angulation

Infertility**Males 18 years or older with one or more of the following:***ICD-9 diagnosis codes*

456.4	Scrotal varices
606	Male infertility
606.0	Azoospermia
606.1	Oligospermia
606.8	Infertility due to extratesticular causes
606.9	Male infertility, unspecified

CPT procedure codes

52347	Cystourethroscopy with transurethral resection or incision of ejaculatory ducts
54500	Biopsy of testis, needle (separate procedure)
54505	Biopsy of testis, incisional (separate procedure)
54900	Epididymovasostomy, anastomosis of epididymis to vas deferens; unilateral
54901	Epididymovasostomy, anastomosis of epididymis to vas deferens; bilateral
55200	Vasotomy, cannulization with or without incision of vas, unilateral or bilateral (separate procedure)
55300	Vasotomy for vasograms, seminal vesiculograms, or epididymograms, unilateral or bilateral
55400	Vasovasostomy, vasovasorrhaphy
55530	Excision of varicocele or ligation of spermatic veins for varicocele; (separate procedure)
55535	Excision of varicocele or ligation of spermatic veins for varicocele; abdominal approach
55540	Excision of varicocele or ligation of spermatic veins for varicocele; with hernia repair
55550	Laparoscopy, surgical, with ligation of spermatic veins for varicocele
55870	Electroejaculation
74440	Vasography, vesiculography, or epididymography, radiological supervision and interpretation

Undescended Testes**Males with one or more of the following:***ICD-9 diagnosis codes*

752.5	Undescended and retractile testis
752.51	Undescended testis
752.52	Retractile testis

ICD-9 procedure codes

62.5 ^b	Orchiopexy
63.53 ^b	Transplantation of spermatic cord

CPT procedure codes

54550	Exploration for undescended testis (inguinal or scrotal area)
54560	Exploration for undescended testis with abdominal exploration
54640	Orchiopexy, inguinal approach, with or without hernia repair
54650	Orchiopexy, abdominal approach, for intra-abdominal testis (eg, Fowler-Stephens)
54690	Laparoscopy, surgical; orchiectomy
54692	Laparoscopy, surgical; orchiopexy for intra-abdominal testis
54699	Unlisted laparoscopy procedure, testis

^aMust occur with diagnosis of 607.84 (impotence of organic origin) or 607.89 (other specified disorders of penis).^bMust occur with diagnosis of 550.XX or 752.XX.

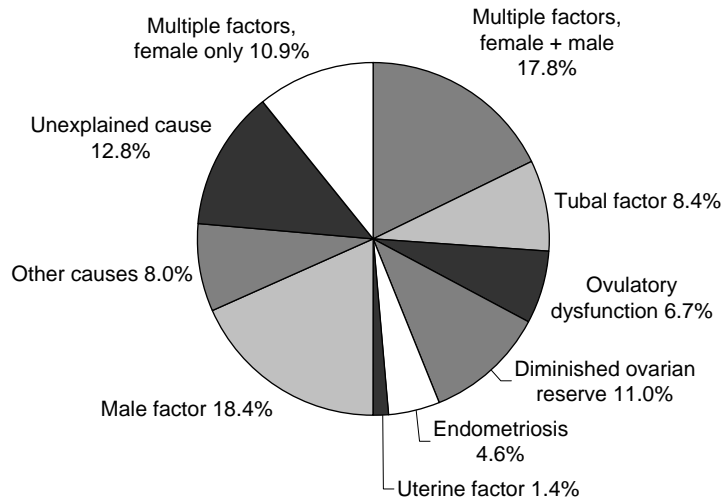


Figure 12-1. Diagnoses among couples who had ART cycles using fresh non-donor eggs or embryos, 2008

SOURCE: Adapted from Centers for Disease Control and Prevention, 2008 Assisted Reproductive Technology (ART) Report.

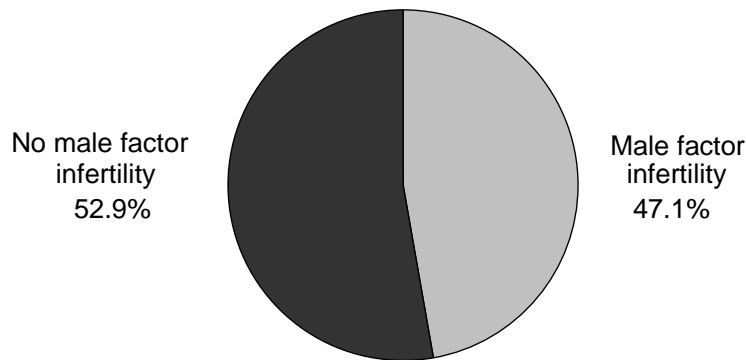


Figure 12-2. Use of ICSI in fresh non-donor cycles among couples with and without diagnoses of male factor infertility, 2008

ICSI: Intracytoplasmic sperm injection.

NOTE: Based on 67,258 cycles that used IVF with ICSI.

SOURCE: Adapted from Centers for Disease Control and Prevention, 2008 Assisted Reproductive Technology (ART) Report.

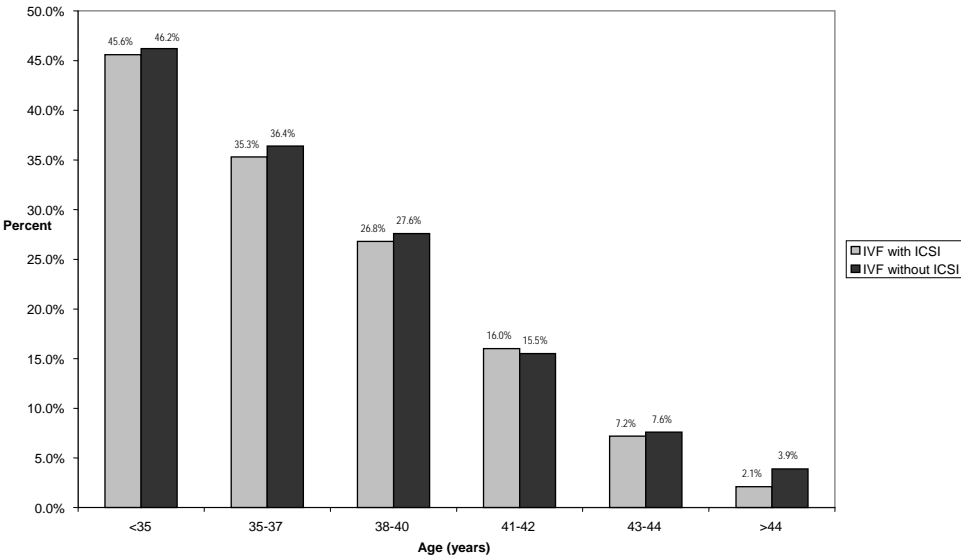


Figure 12-3. Percentages of retrievals that resulted in live births among couples diagnosed with male factor infertility who used IVF with ICSI, compared with couples not diagnosed with male factor infertility who used IVF without ICSI, by age of woman, 2008

ICSI: Intracytoplasmic sperm injection.
NOTE: Cycles using donor sperm and cycles using GIFT or ZIFT are excluded.
SOURCE: Adapted from Centers for Disease Control and Prevention, 2008 Assisted Reproductive Technology (ART) Report.

Table 12-2. Inpatient stays by privately insured individuals for male infertility listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=76)		2003 (N=86)		2004 (N=92)		2005 (N=74)		2006 (N=63)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.8	1.4	1.8	1.0	1.9	0.8	1.4	1.2	1.2	1.0
Age										
18-24	1.3 [♦]		1.1 [♦]		1.9 [♦]		0.4 [♦]		1.6 [♦]	
25-34	3.0 ^{*♦}		3.7 [*]		3.5 [*]		2.5 [♦]		1.4 [♦]	
35-39	2.0 ^{*♦}		2.8 [♦]		3.5 ^{*♦}		2.3 [♦]		1.9 [♦]	
40-44	0.9 ^{*♦}		1.4 [♦]		1.1 [♦]		2.0 [♦]		1.1 [♦]	
45-54	1.8 ^{*♦}		0.5 [♦]		0.9 [♦]		0.5 [♦]		0.6 [♦]	
55-64	1.4 ^{*♦}		0.9 [♦]		0.8 [♦]		0.6 [♦]		1.0 [♦]	
▶ 65-74	...		1.1 [♦]		0.5 [♦]		0.9 [♦]		1.2 [♦]	
75-84	1.0^{*♦}		...		...		2.8 ^{*♦}		...	
85+	...		4.6 ^{*♦}		...		6.6 ^{*♦}		5.2 ^{*♦}	
Race/ethnicity										
▶ White	1.4 [♦]	1.8	1.6	0.9	1.7	0.9	1.4	1.3	1.1	1.0
Black	...	...	0.8 ^{*♦}	...	2.2 ^{*♦}	5.3	2.0 ^{*♦}	77.9	2.2 ^{*♦}	3.2
Hispanic	2.4 ^{*♦}	...	3.1 ^{*♦}	3.7	3.8 ^{*♦}	3.1	2.1 ^{*♦}	1.8	1.3 ^{*♦}	2.1
Asian	1.5 ^{*♦}	...	3.0 ^{*♦}	7.7	3.6 ^{*♦}	16.1	0.7 ^{*♦}	3.9	0.6 ^{*♦}	5.0
Other	...	...	3.3^{*♦}	...	...	...	...	...	2.0 ^{*♦}	19.0
Unknown	3.1 ^{*♦}	...	0.9 ^{*♦}	...	1.3 ^{*♦}	...	1.5 ^{*♦}	...	2.7 ^{*♦}	...
Missing	2.0 [*]	...	1.9 [*]	...	1.4 ^{*♦}	...	1.3 ^{*♦}	...	0.7 ^{*♦}	...
Region										
Northeast	3.7 ^{*♦}	1.5	4.7 ^{*♦}	2.7	4.3 ^{*♦}	3.2	2.8 ^{*♦}	3.0	2.7 ^{*♦}	1.9
South	1.5 [♦]	1.9	1.4	1.0	1.8 [*]	1.3	1.3	1.3	1.0 [♦]	0.7
▶ Midwest	1.1 [♦]	0.9	1.4 [♦]	1.0	0.9 [♦]	0.8	1.2 [♦]	1.5	1.2 [♦]	1.0
West	2.9 ^{*♦}	4.3	1.4 ^{*♦}	0.8	2.3 ^{*♦}	...	0.9 ^{*♦}	2.3	1.0 ^{*♦}	1.7

... 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 12-3. Hospital outpatient visits by privately insured individuals for male infertility listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=5,960)		2003 (N=5,808)		2004 (N=5,031)		2005 (N=4,529)		2006 (N=4,078)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	139.1	47.5	121.3	42.8	102.8	38.6	87.2	32.8	80.1	33.5
Age										
18-24	57.2*		48.0*		45.1*		45.5*		38.0*	
25-34	297.4*		245.9*		213.1*		176.3*		154.9*	
35-39	269.9*		256.1*		205.4*		196.3*		170.4*	
40-44	136.9*		127.0*		117.6*		92.9*		91.4*	
45-54	45.1*		42.8*		36.5*		31.7*		32.2*	
55-64	16.2		15.3*		15.7*		12.9*		12.5	
▶ 65-74	11.3♦		7.0♦		4.1♦		8.2♦		12.9♦	
75-84	9.3*♦		4.9*♦		4.7*♦		9.4*♦		12.6*♦	
85+	...		4.6*♦		4.3*♦		3.3*♦		5.2*♦	
Race/ethnicity										
▶ White	147.1	40.7	122.8	40.5	100.3	38.7	83.5	29.6	75.3	30.5
Black	66.9*	30.3	84.9*	49.2	47.4*	27.3	50.5*	24.5	57.0*	41.7
Hispanic	101.8*	42.2	92.0*	47.6	71.9*	35.5	59.0*	28.2	56.2*	28.9
Asian	343.7*	223.0	243.4*	87.6	159.5*	108.5	113.8*	61.7	112.6*	66.1
Other	285.8*	158.6	185.3*	92.3	159.8*	98.9	148.4*	112.5	151.5*	114.5
Unknown	198.2*	...	173.9*	...	145.6*	...	104.3*	...	97.3*	...
Missing	126.5*	...	111.8*	...	111.5*	...	117.2*	...	107.1*	...
Region										
Northeast	212.7*	86.9	189.7*	76.6	161.3	77.1	120.1*	51.1	114.8*	50.0
South	94.2*	28.0	67.2*	25.2	55.2*	20.8	51.6*	19.3	48.4*	18.6
▶ Midwest	172.5	54.8	171.8	55.4	154.5	53.3	132.3	42.5	127.8	52.9
West	140.6*	70.0	119.2*	51.2	91.7*	44.2	76.6*	43.2	58.7*	35.3

... 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 12-4. Ambulatory surgery center visits by privately insured individuals for male infertility listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=415)		2003 (N=362)		2004 (N=356)		2005 (N=347)		2006 (N=370)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	9.7	3.5	7.6	2.9	7.3	2.9	6.7	3.6	7.3	3.4
Age										
18-24	7.3*		5.3		6.0*		4.9*		5.4*	
25-34	21.8*		17.1*		14.7*		12.3*		12.7*	
35-39	13.9*		12.7*		13.2*		12.2*		15.6*	
40-44	7.9*		6.7*		7.4*		7.4*		8.4*	
45-54	3.6*		2.3*♦		2.6*♦		3.6*		3.0	
55-64	1.8♦		0.7*♦		1.1♦		1.9♦		1.1♦	
▶ 65-74	0.6♦		...		0.5♦		1.3♦		1.2♦	
Race/ethnicity										
▶ White	9.3*	4.1	8.5	3.2	7.2	2.6	6.3	3.4	6.8	3.4
Black	5.9*♦	...	4.8*♦	7.1	3.8*♦	4.6	3.0*♦	4.7	10.8*♦	7.0
Hispanic	7.7*♦	9.8	9.6*♦	4.0	6.4*♦	5.1	6.5*♦	3.0	6.7*	2.9
Asian	11.7*♦	11.5	11.1*♦	...	7.9*♦	6.9	13.1*♦	13.9	10.8*♦	10.7
Other	23.4*♦	...	16.3*♦	...	11.4*♦	33.5	25.1*♦	43.5	12.3*♦	...
Unknown	11.7*♦	...	7.2*♦	...	9.4*♦	...	7.7*♦	...	7.2*♦	...
Missing	9.9*	...	6.0*	...	7.7*	...	6.6*	...	7.9*	...
Region										
Northeast	14.2*	6.6	10.1*	4.1	9.7*	3.5	9.0*	6.4	9.5*	4.5
South	11.9*	5.8	8.4*	4.7	7.8*	3.3	7.2*	3.6	7.8*	3.9
▶ Midwest	5.3	2.6	4.5	1.5	4.7	1.9	3.9	2.2	5.5	2.8
West	10.2*	7.0	10.1*	6.0	9.6*	9.4	9.1*	6.8	7.2*	6.0

... 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 12-5. Nationally representative ambulatory surgery center visits for male infertility listed as primary diagnosis, count, rate^a

	Count	Rate
Total	19,943	18.8
Age		
25-34	12,542	63.3
35-39	4,194	40.6*
40-44	2,161	19.6*
45-54	1,046	5.0*
55-64	...	...
▶ 65-74	...	...

... Data unavailable.

▶ 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 12-6. Physician office visits by Medicare beneficiaries for male infertility listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=7,240)		2003 (N=8,400)		2004 (N=7,660)		2005 (N=8,740)		2006 (N=8,580)		2007 (N=8,800)	
	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	46.4	46.7	52.3	50.2	46.8	45.3	53.0	53.1	52.8	51.7	54.2	50.8
Under 65/65+												
< 65 Years	45.4	45.4	59.9*	59.9	53.2*	53.2	55.8*	55.8	59.5*	59.5	63.9*	63.9
▶ 65+ Years	46.7	46.7	49.7	50.2	44.6	45.3	52.0	53.1	50.5	51.7	50.6	50.8
Age												
▶ 65-69	55.3		46.9		46.6		41.1		49.4		51.7	
70-74	50.1*		45.4*		41.8*		55.4*		51.0*		60.7*	
75-79	51.5*		57.8*		45.0*		41.1*		45.6*		39.1*	
80-84	21.8*♦		60.6*		53.1*		84.5*		71.3*		43.0*	
85-89	35.5*♦		39.5*♦		38.1*♦		68.2*♦		44.5*♦		61.9*♦	
90-94	34.3*♦		32.6*♦		15.7*♦		37.8*♦		7.5*♦		51.4*♦	
95-97	...		51.9*♦		50.5*♦		...		...		...
Race/ethnicity												
▶ White	46.8	47.6	50.9	51.3	47.3	48.3	51.3	55.0	53.4	53.9	55.4	54.3
Black	19.9*♦	38.0	52.7*	29.0	36.4*♦	21.5	60.0*	42.6	50.8*	50.1	56.3*	38.2
Hispanic	77.5*♦	48.4	80.7*♦	84.7	60.2*♦	36.7	75.9*♦	68.1	23.9*♦	40.9	29.3*♦	62.6
Asian	9.4*♦	...	44.1*♦	41.1	33.4*♦	43.0	23.5*♦	35.7	23.3*♦	34.0	7.4*♦	...
Other	157.2*♦	233.1	84.6*♦	178.6	68.1*♦	65.2	87.2*♦	53.7	90.4*♦	51.9	59.1*♦	45.1
Unknown	76.0*♦	...	80.1*♦	...	73.0*♦	...	77.9*♦	...	...	...	0.0*♦	...
Region												
▶ Northeast	73.1	73.6	84.9	85.0	77.6	78.3	78.2	81.5	84.2	76.8	73.6	73.5
South	41.3*	42.7	54.1*	51.0	44.8*	41.5	53.2*	51.8	51.4*	54.2	53.0*	50.5
Midwest	33.7*	36.5	35.0*	32.2	35.1*	34.9	44.3*	40.9	39.6*	35.0	44.3*	35.9
West	46.2*	40.4	36.8*	39.9	34.2*	36.3	38.0*	41.4	41.2*	46.6	49.7*	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 12-7. Physician office visits by privately insured individuals for male infertility listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=16,687)		2003 (N=16,111)		2004 (N=14,781)		2005 (N=14,809)		2006 (N=13,872)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	389.5	171.5	336.4	144.3	302.1	141.5	285.0	138.0	272.3	132.7
Age										
18-24	221.1*		192.7*		194.3*		203.7*		174.0*	
25-34	735.4*		628.7*		538.4*		507.3*		477.2*	
35-39	705.6*		638.2*		580.2*		559.2*		528.5*	
40-44	415.4*		362.8*		337.7*		332.2*		308.9*	
45-54	166.7*		148.8*		148.2*		136.4*		136.7*	
55-64	102.4*		78.3*		80.8*		84.8*		78.8*	
▶ 65-74	64.3		45.5		53.9		46.4		51.5	
75-84	32.2*		31.9*♦		31.9*♦		50.1*		46.7*♦	
85+	...		9.1*♦		25.9*♦		26.3*♦		15.5*♦	
Race/ethnicity										
▶ White	387.1	161.2	340.2	142.1	285.1	128.5	265.4	123.0	257.8	123.6
Black	305.4*	164.9	280.2*	148.5	229.5*	158.0	222.1*	132.3	253.3*	173.5
Hispanic	469.3*	233.5	405.4*	217.1	340.8*	199.9	307.1*	170.2	282.6*	170.5
Asian	633.6*	261.9	469.5*	219.3	449.3*	251.3	435.5*	218.0	397.9*	179.8
Other	707.6*	462.5	643.5*	400.2	502.2*	348.3	491.3*	398.8	528.2*	323.4
Unknown	521.2*	...	453.8*	...	350.7*	...	321.9*	...	294.7*	...
Missing	367.7*	...	298.6*	...	311.0*	...	322.2*	...	283.9*	...
Region										
Northeast	759.0*	353.7	666.3*	291.8	590.1*	282.9	524.6*	268.5	477.5*	227.9
South	367.7*	155.4	310.1*	133.2	274.9*	124.5	264.2*	119.9	264.5*	128.9
▶ Midwest	321.2	134.0	274.5	115.7	257.4	115.8	243.7	111.1	229.8	110.9
West	336.7*	179.1	294.6*	144.2	251.8*	140.1	251.7*	148.9	229.2*	119.2

... 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 12-8. Emergency room visits by privately insured individuals for male infertility listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=109)		2003 (N=152)		2004 (N=148)		2005 (N=145)		2006 (N=165)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	2.5	1.5	3.2	2.0	3.0	2.5	2.8	1.9	3.2	2.1
Age										
18-24	3.5*		4.7**		2.7*		0.7*		2.3*	
25-34	4.5		4.4*		4.3		3.7		4.2*	
35-39	3.5*		4.2*		5.3		7.1*		8.0*	
40-44	1.6*		2.7*		2.2*		5.0*		3.9**	
45-54	0.3**		2.3*		1.5**		1.3*		1.7**	
55-64	2.2*		1.0*		1.5**		0.3**		1.4**	
▶ 65-74	1.8*		1.6*		3.6*		1.7*		...	
75-84	3.1**		2.5**		8.3**		1.9**		...	
Race/ethnicity										
▶ White	2.5	1.2	2.2	1.6	2.0	1.5	2.5	2.0	2.1	1.1
Black	1.2**	...	6.4**	14.5	8.2**	30.2	3.0**	7.3	3.2**	3.2
Hispanic	0.6**	...	11.1*	15.1	6.1**	3.4	4.4**	4.3	5.3**	7.4
Asian	...	...	1.0**	7.7	0.7**	...	...	...	3.8**	14.9
Other	...	...	3.3**	...	6.8**	23.0	12.5**	25.0	4.1**	16.2
Unknown	5.6**	...	8.9**	...	2.9**	...	3.2**	...	7.8**	...
Missing	2.6*	...	2.4*	...	4.5*	...	3.0**	...	5.4*	...
Region										
Northeast	1.1**	1.7	2.8*	2.5	2.5*	2.4	3.1*	1.0	2.5*	2.1
South	2.0*	2.2	4.6*	2.5	4.3*	2.8	3.3	2.2	4.5*	3.6
▶ Midwest	3.6	2.5	2.6	2.0	2.4	3.1	2.6	3.1	2.7	1.2
West	2.9**	4.2	...	...	0.6**	1.3	1.5**	5.7	1.0**	...

... 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 12-9. Nationally representative inpatient stays for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=6,937)		2003 (N=6,379)		2004 (N=5,611)		2005 (N=5,918)		2006 (N=6,010)		2007 (N=5,204)	
	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	6.8	6.9	6.2	6.2	5.4	5.5	5.6	5.6	5.7	5.6	4.8	4.7
Age												
18-24	0.3		†		0.2		†		0.4		†	
25-34	0.6*		0.4*		0.6		0.3*		0.4*		0.2	
35-39	1.3		1.1		0.8		1.0		0.7		0.7	
40-44	2.4		2.0		1.0		1.4		1.1		1.3	
45-54	5.1		5.1		4.2		4.4		3.8		3.3	
55-64	16.0		13.6		12.0		12.5		11.6		10.2	
▶ 65-74	29.2		27.6		23.6		23.7		25.8		20.7	
75-84	15.4*		11.8*		14.5*		15.5*		17.3*		13.6*	
85+	8.5*		9.2*		6.5*		6.3*		3.8*		9.3*	
Race/ethnicity												
▶ White	3.9	4.3	4.1	4.2	3.9	3.9	4.5	5.1	4.1	4.1	3.5	3.9
Black	9.9*	10.3	7.5*	9.4	8.1*	8.2	6.1*	7.3	7.6*	7.6	6.5*	10.0
Hispanic	†	†	4.9*	5.6	3.1*	3.9	3.0*	3.7	3.9*	4.7	3.2*	4.5
Asian	0.7*	1.7	0.9*	2.4	1.1*	1.8	1.2*	3.2	1.4*	3.7	0.6*	1.2
Other	10.3*	17.7	6.0*	10.0	3.7*	5.8	7.5*	12.5	5.0*	13.2	5.7*	10.5
Region												
Northeast	7.2	7.1	6.1	7.2	6.1	6.1	5.3	5.3	5.4	5.2	5.4	6.1
South	7.4	7.4	7.2	7.2	6.3	6.3	7.1	7.1	7.7	7.7	4.5	5.1
▶ Midwest	5.5	5.7	4.9	5.2	4.2	4.4	4.8	4.8	4.1	4.1	4.3	4.9
West	7.0*	7.2	5.8*	6.6	4.7*	5.4	4.5*	5.2	4.3*	4.2	5.4*	5.4

▶ 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 12-10. Nationally representative inpatient stays for erectile dysfunction listed as primary diagnosis, by procedure rates for penile implants, count, rate,^a rate per visit^b

	2002			2003			2004		
	Count	Rate	Rate Per Visit	Count	Rate	Rate Per Visit	Count	Rate	Rate Per Visit
Prosthesis or IPP	6,572	6.0	94,861	5,894	6.0	92,397	5,256	5.0	93,673
Semi-rigid prosthesis	624	1.0	9,007	559	1.0	8,763	553	1.0	9,856
IPP	5,948	6.0	85,855	5,335	5.0	83,634	4,703	5.0	83,818
	2005			2006			2007		
	Count	Rate	Rate Per Visit	Count	Rate	Rate Per Visit	Count	Rate	Rate Per Visit
Prosthesis or IPP	5,596	5.0	94,559	5,659	5.0	94,238	4,831	5.0	92,832
Semi-rigid prosthesis	340	0.0	5,745	405	0.0	6,744	322	0.0	6,188
IPP	5,256	5.0	88,814	5,254	5.0	87,494	4,509	4.0	86,645

IPP: Inflatable penile prosthesis.

^aRate per 100,000 is based on 2002-2007 population estimates from the Public Use Microdata Sample (PUMS) files from the American Community Survey, for relevant demographic categories of US adult male civilian non-institutionalized population.^bRate per 100,000 adult male visits is based on estimated number of visits for erectile dysfunction in Healthcare Cost and Utilization Project Nationwide Inpatient Sample, 2002-2007.

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

Table 12-11. Inpatient stays by Medicare beneficiaries for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=4,120)		2003 (N=3,920)		2004 (N=3,520)		2005 (N=3,360)		2006 (N=2,720)		2007 (N=2,740)	
	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	26.4	26.2	24.4	24.0	21.5	20.2	20.4	21.2	16.7	16.3	16.9	16.7
Under 65/65+												
< 65 Years	28.4*	28.4	26.7*	26.7	25.4*	25.4	17.2*	17.2	18.7*	18.7	16.0*	16.0
▶ 65+ Years	25.7	26.2	23.6	24.0	20.2	20.2	21.5	21.2	16.0	16.3	17.2	16.7
Age												
▶ 65-69	34.3		26.7		25.9		22.6		10.9*		15.7	
70-74	27.3*		27.9*		23.5*		31.0*		22.5*		23.5*	
75-79	23.7*♦		21.7*♦		17.7*♦		17.3*♦		16.0*♦		11.3*♦	
80-84	14.1*♦		18.5*♦		13.3*♦		14.3*♦		14.5*♦		16.0*♦	
85-89	19.1*♦		18.4*♦		7.6*♦		10.1*♦		22.3*♦		16.7*♦	
90-94	0.0*♦		0.0*♦		7.8*♦		22.7*♦		7.5*♦		29.4*♦	
95-97	0.0*♦		0.0*♦		0.0*♦		0.0*♦		47.8*♦		46.6*♦	
98+	...		...		...		...		0.0*♦		0.0*♦	
Race/ethnicity												
▶ White	23.0	24.2	22.0	22.1	18.5	17.8	16.8	17.3	14.9	14.7	15.8	15.5
Black	45.1*	44.7	30.8*♦	37.3	42.6*	45.2	50.0*	63.9	31.7*♦	38.3	29.5*♦	35.1
Hispanic	64.6*♦	87.1	74.5*♦	79.4	18.1*♦	23.9	23.4*♦	52.9	23.9*♦	34.3	5.9*♦	34.2
Asian	...	...	8.8*♦	...	8.3*♦	25.9	7.8*♦	...	0.0*♦	...	...	...
Other	64.3*♦	52.0	52.0*♦	43.5	55.7*♦	81.3	29.1*♦	78.9	5.6*♦	0.0	16.1*♦	18.6
Unknown	0.0*♦	...	80.1*♦	...	73.0*♦	...	77.9*♦	...	331.4*♦	...	175.3*♦	...
Region												
▶ Northeast	28.6	27.5	17.6*♦	15.7	18.7*♦	17.8	12.9*♦	11.3	13.8*♦	13.8	14.5*♦	11.8
South	29.7*	32.0	26.0*	28.0	24.8*	24.9	25.4*	27.7	17.5*	17.5	22.2*	22.3
Midwest	14.8*♦	11.9	20.5*	17.3	13.3*♦	10.2	16.7*	18.3	16.5*	16.6	13.2*♦	12.5
West	33.3*	35.7	33.9*	33.7	28.6*	27.7	22.4*	22.4	18.6*♦	16.4	12.8*♦	15.8

... 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 12-12. Inpatient stays by privately insured individuals for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=387)		2003 (N=367)		2004 (N=336)		2005 (N=341)		2006 (N=260)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	9.0	19.9	7.7	16.9	6.9	15.1	6.6	13.8	5.1	11.5
Age										
18-24	0.9 ^{*♦}		0.5 ^{*♦}		0.8 ^{*♦}		1.2 ^{*♦}		0.9 ^{*♦}	
25-34	2.0 ^{*♦}		1.3 ^{*♦}		0.7 ^{*♦}		0.8 ^{*♦}		0.8 ^{*♦}	
35-39	1.6 ^{*♦}		1.3 ^{*♦}		2.8 ^{*♦}		1.9 ^{*♦}		1.6 ^{*♦}	
40-44	3.4 ^{*♦}		2.7 ^{*♦}		2.7 ^{*♦}		3.4 ^{*♦}		2.3 ^{*♦}	
45-54	9.6 [*]		9.8 [*]		6.2 [*]		4.2 [*]		5.6 [*]	
55-64	28.7 [*]		23.0 [*]		20.3 [*]		19.7 [*]		14.2 [*]	
▶ 65-74	44.6		39.0		42.6		33.8		27.6	
75-84	32.2 [*]		23.3 ^{*♦}		20.1 ^{*♦}		26.5 ^{*♦}		21.5 ^{*♦}	
85+	...		13.7 ^{*♦}		4.3 ^{*♦}		9.9 ^{*♦}		10.3 ^{*♦}	
Race/ethnicity										
▶ White	8.7	17.3	8.4	17.3	6.8	15.4	6.1	12.9	5.5	12.3
Black	17.6 ^{*♦}	39.7	11.2 ^{*♦}	29.2	12.0 ^{*♦}	23.8	14.6 ^{*♦}	26.4	8.6 ^{*♦}	17.7
Hispanic	7.1 ^{*♦}	27.3	9.6 ^{*♦}	23.0	6.9 ^{*♦}	21.5	5.3 ^{*♦}	13.6	4.0 ^{*♦}	14.1
Asian	1.5 ^{*♦}	18.0	4.0 ^{*♦}	35.9	2.1 ^{*♦}	14.3	2.6 ^{*♦}	14.3	3.2 ^{*♦}	8.3
Other	...	...	9.8 ^{*♦}	59.7	9.1 ^{*♦}	24.9	6.3 ^{*♦}	14.0	4.1 ^{*♦}	40.5
Unknown	10.5 ^{*♦}	...	8.5 ^{*♦}	...	5.8 ^{*♦}	...	6.2 ^{*♦}	...	3.6 ^{*♦}	...
Missing	9.3 [*]	...	6.2 [*]	...	7.2 [*]	...	8.6 [*]	...	4.0 ^{*♦}	...
Region										
Northeast	14.2 [*]	28.3	6.9	19.6	8.1 [*]	17.4	8.2 [*]	14.8	5.0 [*]	12.4
South	10.1 [*]	23.2	9.1 [*]	19.5	7.7 [*]	17.4	7.5 [*]	17.1	6.1 [*]	15.8
▶ Midwest	7.5	16.2	6.6	14.5	5.3	10.9	5.1	10.5	4.0	7.6
West	5.3 ^{*♦}	11.8	6.1 [*]	17.9	6.8 [*]	19.3	5.6 [*]	12.4	4.2 [*]	9.5

... 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 12-13. Hospital outpatient visits by Medicare beneficiaries for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=21,160)		2003 (N=22,980)		2004 (N=21,440)		2005 (N=19,040)		2006 (N=19,400)		2007 (N=18,240)	
	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	135.5	117.2	143.0	117.6	130.9	108.9	115.4	100.3	119.4	104.9	112.3	100.3
Under 65/65+												
< 65 Years	193.1*	193.1	219.6*	219.6	196.4*	196.4	158.5*	158.5	162.5*	162.5	148.4*	148.4
▶ 65+ Years	116.5	117.2	117.2	117.6	108.5	108.9	100.3	100.3	104.1	104.9	98.9	100.3
Age												
▶ 65-69	152.5		151.5		137.6		118.6		134.2		129.4	
70-74	131.5*		142.1*		137.1*		138.5*		117.0*		119.3*	
75-79	107.9*		94.7*		79.5*		70.7*		99.6*		93.0*	
80-84	44.9*		69.2*		83.3*		82.1*		56.8*		55.3*	
85-89	90.1*		60.5*♦		38.1*♦		27.8*♦		54.4*♦		30.9*♦	
90-94	42.8*♦		32.6*♦		15.7*♦		22.7*♦		30.0*♦		7.3*♦	
95-97	...		51.9*♦		50.5*♦		...		95.6*♦		0.0*♦	
98+	44.2*♦		...		...		42.1*♦		...		...
Race/ethnicity												
▶ White	109.3	103.8	118.8	105.7	101.6	90.8	94.5	86.7	100.0	91.1	90.5	85.5
Black	309.1*	231.5	300.6*	218.3	347.5*	295.3	272.3*	238.6	278.1*	254.8	248.4*	235.5
Hispanic	239.1*	244.5	211.2*	217.4	216.7*	185.2	198.6*	248.4	185.6*	194.5	228.8*	148.8
Asian	94.0*♦	132.7	61.7*♦	108.5	100.1*♦	182.0	47.1*♦	79.3	93.0*♦	109.1	125.1*♦	163.9
Other	364.3*	245.1	396.7*	316.6	253.9*	219.7	197.7*	141.4	112.9*♦	134.9	220.1*	208.0
Unknown	76.0*♦	...	240.4*♦	...	146.1*♦	...	155.9*♦	...	248.6*♦	...	175.3*♦	...
Region												
▶ Northeast	145.6	101.7	144.3	112.0	130.0	99.7	96.3	80.2	124.3	103.2	111.1	89.4
South	111.0*	92.1	114.1*	99.2	99.7*	86.5	91.7*	73.0	98.1*	82.2	92.7*	85.3
Midwest	154.4*	145.8	171.5*	139.4	158.6*	133.2	148.1*	129.4	143.8*	125.5	125.8*	115.9
West	152.3*	148.7	165.3*	163.0	162.1*	141.4	142.0*	137.2	127.2*	125.8	137.0*	121.7

... 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 12-14. Hospital outpatient visits by privately insured individuals for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=3,244)		2003 (N=3,463)		2004 (N=3,532)		2005 (N=3,847)		2006 (N=3,822)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	75.7	124.2	72.3	117.1	72.2	113.7	74.0	112.0	75.0	122.3
Age										
18-24	20.2*		23.5*		19.7*		25.3*		20.4*	
25-34	35.9*		35.9*		35.8*		40.2*		36.2*	
35-39	43.4*		44.3*		45.3*		41.7*		42.4*	
40-44	52.3*		49.0*		54.8*		58.3*		65.7*	
45-54	100.0*		93.7*		89.6*		82.9*		85.9*	
55-64	192.4		165.8*		168.5		170.5		176.2*	
▶ 65-74	182.7		191.4		169.9		161.0		206.5	
75-84	96.6*		107.9*		108.8*		114.3*		123.9*	
85+	...		100.6*♦		64.8*♦		72.2*♦		46.4*♦	
Race/ethnicity										
▶ White	82.6	125.4	80.3	120.9	72.5	114.0	75.0	112.7	78.8	126.9
Black	184.4*	268.1	117.7*	186.5	115.0*	165.3	123.2*	170.3	126.4*	214.9
Hispanic	69.2*	130.0	69.7*	134.0	62.0*	101.5	59.9*	100.4	51.5*	90.2
Asian	62.6*	95.9	52.5*	42.6	45.1*	61.0	36.6*	47.8	48.7*	66.5
Other	60.9*♦	117.2	68.3*♦	100.3	86.7*	145.7	81.5*	132.7	59.4*♦	96.2
Unknown	68.6*	...	84.1*	...	82.3*	...	74.7*	...	68.1*	...
Missing	67.9*	...	59.3*	...	65.4*	...	71.0*	...	68.0*	...
Region										
Northeast	84.6	119.1	69.8*	97.9	75.5*	100.0	80.1*	114.5	89.3	129.4
South	67.6*	116.6	58.5*	101.6	60.5*	102.9	63.4*	101.2	61.0*	105.5
▶ Midwest	89.3	150.5	95.9	151.8	90.4	139.2	90.8	131.0	94.5	150.9
West	60.3*	85.6	62.6*	108.4	66.1*	110.8	67.3*	107.3	69.6*	114.8

... 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 12-15. Nationally representative hospital outpatient visits for erectile dysfunction listed as primary diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	405,431
Age	
40-44	78,016
45-54	155,162
55-64	88,087
65-74	67,401
75-84	11,668
85+	5,097
Race/ethnicity	
White	278,816
Black	112,557
Hispanic	7,487
Other	6,571
Region	
Northeast	78,093
South	139,247
Midwest	161,621
West	26,470

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

Table 12-16. Ambulatory surgery center visits by Medicare beneficiaries for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=3,480)		2003 (N=3,720)		2004 (N=3,480)		2005 (N=3,980)		2006 (N=3,820)		2007 (N=3,680)	
	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	22.3	22.3	23.1	22.8	21.2	23.0	24.1	22.4	23.5	25.5	22.6	25.5
Under 65/65+												
< 65 Years	22.2	22.2	23.2	23.2	17.2*	17.2	28.8*	28.8	18.7*	18.7	16.0*	16.0
▶ 65+ Years	22.3	22.3	23.1	22.8	22.6	23.0	22.5	22.4	25.2	25.5	25.1	25.5
Age												
▶ 65-69	29.3		31.5		33.1		29.8		38.0		27.1	
70-74	28.0*		32.5*		17.6*♦		29.7*		26.5*		33.1*	
75-79	21.3*♦		19.3*♦		22.5*♦		22.2*♦		19.4*♦		26.1*	
80-84	9.0*♦		6.2*♦		19.3*♦		7.1*♦		14.5*♦		16.0*♦	
85-89	5.5*♦		0.0*♦		7.6*♦		0.0*♦		9.9*♦		11.9*♦	
90-94	0.0*♦		8.1*♦		0.0*♦		...		...		7.3*♦	
95-97	...		...		...		47.5*		...		...
Race/ethnicity												
▶ White	19.7	19.7	20.1	19.9	19.0	20.2	23.0	21.0	21.8	23.9	21.9	24.3
Black	38.5*♦	60.4	39.8*	57.8	31.4*♦	42.5	38.7*	40.7	38.1*	55.2	32.0*♦	51.2
Hispanic	12.9*♦	16.1	55.9*♦	69.7	60.2*♦	111.6	23.4*♦	52.1	35.9*♦	48.8	35.2*♦	78.6
Asian	9.4*♦	49.3	...	...	8.3*♦	17.1	7.8*♦	41.9	...	...	7.4*♦	...
Other	71.4*♦	77.2	52.0*♦	61.9	31.0*♦	65.1	17.4*♦	24.2	33.9*♦	42.4	10.7*♦	28.8
Unknown	76.0*♦	...	80.1*♦	...	73.0*♦	...	...	...	0.0*♦	...	...	...
Region												
▶ Northeast	13.3*	15.7	13.7	18.8	10.3*	16.0	11.6	13.9	15.1*	17.4	14.5	17.3
South	30.4*	30.4	26.9*	27.3	23.5*	26.2	32.2*	31.1	28.2*	33.7	27.3*	31.7
Midwest	22.5*	23.6	24.0*	24.7	23.7*	22.9	26.1*	25.0	25.6*	25.0	25.0*	24.7
West	13.6*♦	19.5	23.8*	32.7	24.4*	31.2	17.0*♦	21.2	19.2*♦	23.1	18.1*♦	24.3

... 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.

Table 12-17. Ambulatory surgery center visits by privately insured individuals for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=77)		2003 (N=75)		2004 (N=70)		2005 (N=74)		2006 (N=82)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.8	2.4	1.6	2.4	1.4	1.8	1.4	1.7	1.6	1.9
Age										
18-24	0.9*		0.3**		1.0**		1.0*		1.2*	
25-34	0.8*		0.7*		1.3**		1.2*		1.7*	
35-39	2.0*		1.3*		1.0**		1.0*		1.0*	
40-44	0.9*		0.5*		0.9**		1.4*		1.1*	
45-54	2.1*		2.9*		1.8*		1.7*		1.4*	
55-64	5.0**		3.8*		2.0*		2.2*		3.0*	
▶ 65-74	1.8*		1.6*		3.1*		0.4*		2.5*	
75-84	1.0**		...		1.2**		1.9**		1.8**	
85+	...		...		...		6.6**		...	
Race/ethnicity										
▶ White	2.0	3.3	1.5	2.3	1.4	2.0	1.4	2.0	1.3	1.7
Black	8.2**	12.3	2.4**	18.9	1.6**	5.3	2.5**	7.7	2.7**	3.2
Hispanic	3.0**	3.9	1.5**	4.8	1.8**	4.3	2.5**	3.5	2.4**	4.9
Asian	1.5**	...	...	...	2.1**	...	...	...	1.3**	5.0
Other	...	...	3.3**	15.8	...	...	8.4**	14.0	14.3**	133.2
Unknown	...	...	0.4**	...	0.3**	...	0.9**	...	1.5**	...
Missing	1.5*	...	1.8*	...	1.9**	...	0.6**	...	1.5**	...
Region										
Northeast	2.6**	4.8	1.9*	3.0	1.3*	2.5	1.7*	2.6	1.1*	2.3
South	1.8*	3.2	2.0**	2.9	1.8*	2.5	1.6	2.1	1.7	1.7
▶ Midwest	1.1*	1.9	1.2*	2.3	0.9*	1.2	1.1*	1.4	1.4*	2.4
West	3.1**	5.5	1.0**	2.6	1.5**	1.4	1.2**	2.8	2.0**	4.1

... 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 12-18. Nationally representative ambulatory surgery center visits for erectile dysfunction listed as primary diagnosis, count, rate^a

	Count	Rate
Total	18,489	17.4
Age		
18-24	380	2.7
25-34	3,241	16.3
35-39	829	8.0
40-44	392	3.5
45-54	86	0.4*
55-64	2,219	14.9
▶ 65-74	2,998	35.2
75-84	8,344	156.6*

▶ 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 12-19. Physician office visits by Medicare beneficiaries for erectile dysfunction listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=755,680)		2003 (N=811,080)		2004 (N=952,380)		2005 (N=836,160)		2006 (N=841,360)		2007 (N=846,500)	
	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	4,839	5,387	5,046	5,632	5,814	6,546	5,070	5,718	5,180	5,885	5,210	6,004
Under 65/65+												
< 65 Years	3,205*	3,205	3,387*	3,387	3,776*	3,776	3,355*	3,355	3,392*	3,392	3,284*	3,284
▶ 65+ Years	5,377	5,387	5,603	5,632	6,511	6,546	5,676	5,718	5,818	5,885	5,921	6,004
Age												
▶ 65-69	6,429		6,776		7,862		6,719		6,893		6,902	
70-74	6,632*		6,820*		8,031*		7,056*		7,186*		7,444*	
75-79	5,276*		5,420*		6,324*		5,633*		5,915*		6,072*	
80-84	3,302*		3,586*		4,043*		3,570*		3,680*		3,821*	
85-89	1,728*		1,939*		2,157*		1,993*		2,041*		2,049*	
90-94	762.7*		789.4*		1,214*		1,126*		983.9*		991.2*	
95-97	323.3*♦		311.5*♦		404.2*♦		332.4*♦		430.4*♦		699.6*♦	
98+	132.6*♦		...		...		84.3*♦		41.2*♦		121.2*♦	
Race/ethnicity												
▶ White	4,677	5,213	4,849	5,428	5,580	6,317	4,826	5,463	4,936	5,626	4,977	5,744
Black	6,226*	7,433	6,712*	7,975	7,815*	9,343	7,415*	9,079	7,646*	9,485	7,872*	9,854
Hispanic	4,723*	4,394	4,665*	4,547	5,219*	5,409	4,381*	4,800	4,777*	5,566	4,049*	4,629
Asian	1,956*	2,007	2,249*	2,236	2,501*	2,510	2,809*	3,095	3,241*	3,448	3,097*	3,369
Other	6,329*	7,291	6,959*	7,931	8,225*	8,748	5,676*	6,216	4,851*	5,490	4,811*	5,775
Unknown	15,741*	...	15,064*	...	15,705*	...	14,731*	...	13,587*	...	11,569*	...
Region												
▶ Northeast	4,322	4,788	4,570	5,044	5,403	6,058	4,756	5,349	4,690	5,391	4,769	5,529
South	5,806*	6,481	6,054*	6,796	6,974*	7,922	6,075*	6,946	6,268*	7,184	6,279*	7,318
Midwest	4,109*	4,527	4,314*	4,745	4,878*	5,425	4,222*	4,659	4,312*	4,790	4,424*	4,938
West	4,291*	5,005	4,356*	5,115	4,997*	5,796	4,389*	5,064	4,526*	5,266	4,433*	5,274

... 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 12-20. Physician office visits by privately insured individuals for erectile dysfunction listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=105,924)		2003 (N=116,850)		2004 (N=136,550)		2005 (N=132,222)		2006 (N=124,513)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	2,473	4,415	2,440	4,352	2,791	4,955	2,544	4,357	2,444	4,328
Age										
18-24	224.4*		208.4*		222.4*		220.1*		222.0*	
25-34	721.1*		697.2*		725.8*		681.2*		677.6*	
35-39	1,277*		1,236*		1,424*		1,272*		1,288*	
40-44	1,930*		1,908*		2,195*		2,025*		2,002*	
45-54	3,652*		3,557*		3,995*		3,532*		3,435*	
55-64	6,601*		6,398*		7,016*		6,130*		6,038*	
▶ 65-74	6,752		6,924		8,051		7,060		7,055	
75-84	3,133*		3,826*		4,893*		4,221*		4,565*	
85+	...		1,216*		1,680*		1,222*		1,202*	
Race/ethnicity										
▶ White	2,873	4,767	2,854	4,822	2,910	5,005	2,597	4,316	2,529	4,361
Black	4,518*	7,007	4,369*	7,144	4,384*	7,608	4,059*	6,819	3,823*	6,918
Hispanic	2,189*	4,168	2,190*	4,355	2,128*	4,329	2,074*	4,182	2,054*	4,258
Asian	1,665*	3,250	1,434*	2,798	1,543*	3,048	1,375*	2,684	1,342*	2,636
Other	2,394*	3,959	2,688*	4,804	2,785*	5,333	2,243*	3,993	2,293*	3,791
Unknown	2,517*	...	2,513*	...	2,589*	...	2,368*	...	2,302*	...
Missing	2,138*	...	1,872*	...	2,560*	...	2,511*	...	2,225*	...
Region										
Northeast	1,917*	3,273	1,777*	3,070	2,057*	3,558	1,972*	3,356	1,961*	3,477
South	2,750*	4,911	2,770*	4,924	3,190*	5,728	2,928*	5,132	2,799*	5,094
▶ Midwest	2,530	4,471	2,485	4,364	2,779	4,818	2,442	4,037	2,325	3,986
West	1,882*	3,681	1,802*	3,588	2,125*	4,074	2,029*	3,608	1,990*	3,549

... 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 12-21. Physician office visits by Medicare beneficiaries for erectile dysfunction by procedure use of intracavernosal injection, penile plethysmography, or nocturnal penile tumescence testing, count,^a rate^b

	2002		2003		2004		2005		2006		2007	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate
Intracavernosal injection	17,400	2,741	17,980	2,619	15,400	1,931	17,860	2,469	15,600	2,116	13,520	1,810
Penile plethysmography	1,160	183.0	1,000	146.0	780	98.0	640	88.0	1,080	147.0	660	88.0
Nocturnal penile tumescence testing	1,440	227.0	1,440	210.0	1,000	125.0	560	77.0	780	106.0	260	35.0

^aUnweighted counts multiplied by 20 to arrive at counts in table.^bRate per 100,000 Medicare beneficiaries 65 years and older with erectile dysfunction.

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 12-22. Physician office visits by Medicare beneficiaries for use of penile plethysmography for erectile dysfunction, rate,^a age-adjusted rate^b

	2002 (N=980)		2003 (N=760)		2004 (N=700)		2005 (N=480)		2006 (N=920)		2007 (N=380)	
	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 ^c	187.0	206.0	134.0	141.0	106.0	123.0	81.0 [♦]	95.0	152.0	149.0	62.0 [♦]	70.0
Age												
▶ 65-69	174.0 [♦]		75.0 [♦]		64.0 [♦]		99.0 [♦]		175.0 [♦]		69.0 [♦]	
70-74	179.0 ^{*♦}		206.0 ^{*♦}		109.0 ^{*♦}		55.0 ^{*♦}		132.0 ^{*♦}		42.0 ^{*♦}	
75-79	192.0 ^{*♦}		142.0 ^{*♦}		153.0 ^{*♦}		135.0 ^{*♦}		132.0 ^{*♦}		50.0 ^{*♦}	
80-84	327.0 ^{*♦}		165.0 ^{*♦}		214.0 ^{*♦}		...		74.0 [♦]		144.0 ^{*♦}	
85-89	...		...		...		...		257.0 ^{*♦}		...	
90-94	...		...		...		...		1,333 ^{*♦}		...	
Race/ethnicity												
▶ White	194.0	219.0	140.0	147.0	81.0 [♦]	102.0	71.0 [♦]	88.0	132.0	133.0	46.0 [♦]	52.0
Black	205.0 ^{*♦}	270.0	148.0 ^{*♦}	335.0	125.0 ^{*♦}	231.0	66.0 ^{*♦}	151.0	...	...	64.0 ^{*♦}	204.0
Hispanic	...	...	...	...	924.0 ^{*♦}	1,733	...	...	1,202 ^{*♦}	2,201	545.0 ^{*♦}	1,980
Asian	...	...	...	...	...	...	...	...	690.0 ^{*♦}	2,469	...	...
Other	...	...	...	...	561.0 ^{*♦}	663.0	653.0 ^{*♦}	1,299	893.0 ^{*♦}	1,099	170.0 ^{*♦}	386.0
Unknown	...	...	...	...	...	...	...	...	...	...	2,151 ^{*♦}	...
Region												
▶ Northeast	273.0 [♦]	323.0	335.0 [♦]	381.0	179.0 [♦]	215.0	290.0 [♦]	350.0	532.0 [♦]	572.0	112.0 [♦]	414.0
South	296.0 [*]	324.0	160.0 ^{*♦}	182.0	123.0 ^{*♦}	141.0	53.0 ^{*♦}	90.0	89.0 ^{*♦}	99.0	81.0 ^{*♦}	87.0
Midwest	33.0 ^{*♦}	103.0	...	...	80.0 ^{*♦}	291.0	30.0 ^{*♦}	80.0	30.0 ^{*♦}	77.0	30.0 ^{*♦}	76.0
West	24.0 ^{*♦}	69.0	44.0 ^{*♦}	124.0	19.0 ^{*♦}	61.0	...	...	82.0 ^{*♦}	150.0	...	...

... 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.

[§]Rate per 100,000 Medicare beneficiaries 65 years and older with erectile dysfunction.

[¶]Rate per 100,000 age-adjusted to the 2005 US standard population (US Population Estimates from Current Population Survey).

[†]Persons of other races, unknown race and ethnicity, and other region are included in the totals.

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

Table 12-23. Nationally representative physician office visits for erectile dysfunction listed as any diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	15,033,588
Age	
40-44	1,669,410
45-54	4,062,768
55-64	4,366,395
65-74	3,442,135
75-84	1,405,793
85+	87,087
Race/ethnicity	
White	12,147,830
Black	2,379,457
Hispanic	506,301
Region	
Northeast	2,572,851
South	6,627,383
Midwest	3,959,046
West	1,874,308

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

Table 12-24. Emergency room visits by Medicare beneficiaries for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,760)		2003 (N=1,880)		2004 (N=1,920)		2005 (N=2,040)		2006 (N=2,060)		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	11.3	8.4	11.7	9.3	11.7	8.6	12.4	9.5	12.7	9.0	10.7	6.7
Under 65/65+												
< 65 Years	18.6*	18.6	18.3*	18.3	21.6*	21.6	20.9*	20.9	23.9*	23.9	19.2*	19.2
▶ 65+ Years	8.9	8.4	9.5	9.3	8.4	8.6	9.4	9.5	8.7	9.0	7.6	6.7
Age												
▶ 65-69	4.4*		6.9*		6.7*		6.7*		5.7*		4.2*	
70-74	7.2**		5.2**		5.2**		7.9**		2.0**		8.3**	
75-79	10.6**		11.2**		13.7**		11.5**		11.0**		8.7**	
80-84	11.6**		7.4**		8.4**		10.7**		16.9**		6.1**	
85-89	16.4**		28.9**		12.7**		17.7**		22.3**		7.1**	
90-94	42.8**		40.7**		0.0*		15.1**		15.0**		44.1**	
95-97	0.0**		0.0**		50.5**		0.0**		...		...
98+	...		...		0.0**		0.0**		...		40.4**	
Race/ethnicity												
▶ White	9.8	7.7	10.1	9.2	8.7	6.6	8.8	7.8	9.1	8.5	9.1	5.9
Black	26.5**	18.9	27.0**	13.8	36.4**	27.3	40.0*	26.8	39.4*	18.1	25.6**	15.7
Hispanic	12.9**	32.9	12.4**	10.8	12.0**	36.1	29.2**	63.0	23.9**	0.0	5.9**	20.1
Asian	0.0**	0.0	...	...	8.3**	43.9	7.8**	...	0.0**	0.0	14.7**	...
Other	7.1**	0.0	13.0**	22.3	24.8**	41.3	11.6**	23.4	33.9**	23.8	10.7**	10.7
Unknown	...	...	0.0**	...	...	...	77.9**	...	...	...	0.0**	...
Region												
▶ Northeast	14.0*	10.0	7.8*	4.7	8.4*	9.0	13.6*	8.2	14.5*	8.6	10.5*	3.8
South	11.6*	7.9	14.1*	9.8	10.7*	7.5	12.2*	9.2	17.1*	12.3	9.8*	6.8
Midwest	10.2**	8.1	13.0**	13.4	16.3*	10.4	14.8*	13.6	6.5**	3.8	13.8**	8.7
West	9.1**	8.8	8.7**	7.9	11.2**	8.2	8.2**	5.9	9.6**	9.5	8.7**	6.8

... 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 12-25. Emergency room visits by privately insured individuals for erectile dysfunction listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=220)		2003 (N=385)		2004 (N=286)		2005 (N=236)		2006 (N=167)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	5.1	5.8	8.0	12.7	5.8	10.4	4.5	8.2	3.3	6.1
Age										
18-24	5.1 [♦]		4.8 [*]		3.3 ^{**♦}		2.7 ^{**♦}		1.6 ^{**♦}	
25-34	4.5		4.8 [*]		3.0 [*]		1.7 ^{**♦}		1.2 ^{**♦}	
35-39	4.6 [♦]		3.8 ^{**♦}		2.8 ^{**♦}		3.1 ^{**♦}		1.6 ^{**♦}	
40-44	7.1		5.0 ^{**♦}		3.6 ^{**♦}		2.8 ^{**♦}		3.1 ^{**♦}	
45-54	4.8		10.1		5.9 [*]		3.7 [*]		4.0 [*]	
55-64	3.8 [♦]		17.7 [*]		11.3 [*]		7.6 [*]		6.2 [*]	
▶ 65-74	4.8 [♦]		8.7 [♦]		19.5		16.5		14.7 [♦]	
75-84	13.5 ^{**♦}		27.0 ^{**♦}		18.9 ^{**♦}		18.9 ^{**♦}		...	
85+	...		32.0 ^{**♦}		34.5 ^{**♦}		32.8 ^{**♦}		10.3 ^{**♦}	
Race/ethnicity										
▶ White	3.9	4.7	7.3	11.4	4.2	8.2	2.9	5.6	1.6	3.4
Black	12.9 ^{**♦}	17.3	28.0 [*]	56.4	15.8 ^{**♦}	26.9	12.1 ^{**♦}	16.0	11.3 ^{**♦}	19.9
Hispanic	5.3 ^{**♦}	3.9	11.1 ^{**♦}	21.8	10.2 [*]	19.4	7.4 [*]	15.5	5.3 ^{**♦}	10.5
Asian	1.5 ^{**♦}	...	2.0 ^{**♦}	141.8	2.9 ^{**♦}	29.1	2.0 ^{**♦}	39.9	2.5 ^{**♦}	94.2
Other	4.7^{**♦}	...	...	...	9.1 ^{**♦}	24.9	4.2 ^{**♦}	14.0	...	...
Unknown	3.1 ^{**♦}	...	4.9 ^{**♦}	...	2.3 ^{**♦}	...	4.7 ^{**♦}	...	1.5 ^{**♦}	...
Missing	6.0 [*]	...	7.9 [*]	...	9.9 [*]	...	9.7 [*]	...	9.7 [*]	...
Region										
Northeast	1.5 ^{**♦}	3.4	2.2 ^{**♦}	9.2	1.4 ^{**♦}	3.6	2.6 [♦]	5.9	1.1 [♦]	2.8
South	3.9 [*]	4.4	12.4 [*]	17.6	10.0 [*]	18.1	7.1 [*]	13.7	5.7 [*]	11.8
▶ Midwest	8.0	8.0	7.1	12.0	3.9	5.9	3.6	5.3	2.1	3.1
West	4.9 ^{**♦}	10.0	0.8 ^{**♦}	2.4	0.3 ^{**♦}	2.1	0.1 ^{**♦}	1.1	0.1 ^{**♦}	0.6

... 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 12-26. Procedure use among Medicare beneficiaries for erectile dysfunction, by physician specialty, count^a, percent^b

	2002		2003		2004		2005		2006		2007	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Nocturnal penile tumescence testing												
Total	1,840	100%	1,760	100%	1,120	100%	640	100%	580	100%	520	100%
General Practice/Family Medicine	320	17.4%	120	6.8%	120	10.7%	40	6.3%	20	3.4%	0	0.0%
Internal Medicine	140	7.6%	100	5.7%	20	1.8%	0	0.0%	0	0.0%	0	0.0%
Other	300	16.3%	160	9.1%	120	10.7%	100	15.6%	20	3.4%	120	23.1%
Urology	1,080	58.7%	1,380	78.4%	860	76.8%	500	78.1%	540	93.1%	400	76.9%
Intracavernosal injection												
Total	17,080	100%	16,660	100%	14,260	100%	15,560	100%	15,200	100%	13,140	100%
General Practice/Family Medicine	440	2.6%	480	2.9%	720	5.0%	460	3.0%	160	1.1%	180	1.4%
Internal Medicine	380	2.2%	200	1.2%	100	0.7%	140	0.9%	100	0.7%	80	0.6%
Other	1,000	5.9%	1,040	6.2%	740	5.2%	960	6.2%	1,040	6.8%	960	7.3%
Urology	15,260	89.3%	14,940	89.7%	12,700	89.1%	14,000	90.0%	13,900	91.4%	11,920	90.7%
Penile plethysmography												
Total	1,760	100%	1,140	100%	880	100%	560	100%	760	100%	700	100%
General Practice/Family Medicine	500	28.4%	120	10.5%	140	15.9%	60	10.7%	80	10.5%	0	0.0%
Internal Medicine	80	4.5%	40	3.5%	0	0.0%	0	0.0%	40	5.3%	0	0.0%
Other	360	20.5%	260	22.8%	160	18.2%	100	17.9%	80	10.5%	80	11.4%
Urology	820	46.6%	720	63.2%	580	65.9%	400	71.4%	560	73.7%	620	88.6%

^aUnweighted counts multiplied by 20 to arrive at counts in table.^bPercent of each type of procedure performed by specialty.

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 12-27. Nationally representative inpatient stays for Peyronie's disease listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=847)		2003 (N=785)		2004 (N=1,002)		2005 (N=799)		2006 (N=983)		2007 (N=910)	
	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	0.8	0.8	0.8	0.8	1.0	1.0	0.8	0.8	0.9	0.9	0.8	0.8
Age												
18-24	0.6		0.7		0.7		0.7		0.7		0.7	
25-34	0.7		0.7		1.0		0.7		1.0		1.0	
35-39	0.8		1.2		1.1		1.0		1.0		0.7	
40-44	0.5		0.5		0.8		0.9		0.9		1.2	
45-54	1.1		0.8		1.0		0.8		0.8		0.7	
55-64	1.0		0.7		1.2		0.9		1.0		0.8	
▶ 65-74	1.4		0.7		1.0		0.5		1.4		0.9	
75-84	0.8*		0.5*		1.0*		†		0.7*		0.8*	
85+	...		†		†		†		†		†	
Race/ethnicity												
▶ White	0.5	0.5	0.4	0.4	0.6	0.7	0.4	0.5	0.5	0.5	0.4	0.5
Black	1.4*	1.5	1.4*	1.5	1.6*	1.7	1.1*	1.2	1.5*	1.6	1.5*	1.5
Hispanic	†	†	0.7*	0.8	0.5*	0.6	0.4*	0.5	0.7*	0.7	0.6*	0.8
Asian	†	1.7	†	0.8	†	0.6	†	0.8	†	0.6	†	1.0
Other	3.6*	4.5	†	1.2	†	1.7	2.5*	3.2	†	2.1	2.7*	3.1
Region												
Northeast	0.9	1.0	0.9	0.9	0.8	0.9	0.6	0.7	1.0	1.0	1.0	1.0
South	1.0	1.0	0.9	0.9	1.2	1.3	0.9	0.9	1.1	1.1	1.0	1.1
▶ Midwest	0.7	0.7	0.5	0.6	0.6	0.7	0.8	0.9	0.8	0.8	0.7	0.7
West	0.7*	0.7	0.6*	0.7	1.0*	1.0	0.6*	0.7	0.8*	0.9	0.6*	0.7

... Data unavailable.

▶ 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 12-28. Inpatient stays by privately insured individuals for Peyronie's disease listed as primary diagnosis, rate^a, age-adjusted rate^b

	2002 (N=49)		2003 (N=45)		2004 (N=35)		2005 (N=33)		2006 (N=48)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.1	1.4	0.9	1.5	0.7	1.0	0.6	0.7	0.9*	1.3
Age										
18-24	0.7*		0.3**		0.5*		1.0*		0.4**	
25-34	0.9*		0.4**		0.7*		0.6*		0.6**	
35-39	0.9*		1.2*		0.2**		...		1.6*	
40-44	0.7*		0.2**		0.3**		0.2**		0.6**	
45-54	1.8*		1.3*		0.5**		0.8*		0.8**	
55-64	1.8*		2.3*		2.1*		0.7*		1.4*	
▶ 65-74	0.6*		2.7*		1.5*		1.3*		3.1*	
75-84	...		...		1.2**		0.9**		...	
Race/ethnicity										
▶ White	0.9*	1.6	1.1*	1.7	0.5*	0.8	0.5*	0.8	1.1	1.2
Black	1.2**	...	2.4**	7.4	2.2**	6.7	1.5**	5.8	1.1**	16.7
Hispanic	...	...	1.5**	3.1	0.8**	1.5	0.9**	3.2	0.9**	3.4
Asian	...	...	1.0**	...	1.4**	16.1	...	...	0.6**	5.0
Other	...	...	3.3**	109.2	2.3**	...	...	...	...	...
Unknown	0.6**	...	0.9**	...	1.6**	...	0.9**	...	0.6**	...
Missing	1.5*	...	0.6**	...	0.7**	...	0.8**	...	0.7**	...
Region										
Northeast	1.5*	1.5	1.1*	4.2	0.7*	1.1	1.2*	2.4	0.9*	2.8
South	1.1*	2.1	0.9*	2.3	0.8*	1.4	0.4*	0.9	0.9*	2.8
▶ Midwest	1.2*	1.4	0.8*	1.3	0.5*	2.1	0.7*	1.1	1.3*	1.4
West	0.9**	3.0	1.1**	2.0	0.9**	4.0	0.8**	1.3	0.5**	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 12-29. Hospital outpatient visits by privately insured individuals for Peyronie's disease listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=215)		2003 (N=198)		2004 (N=213)		2005 (N=243)		2006 (N=166)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	5.0	7.9	4.1	6.4	4.4	6.8	4.7	6.7	3.3	5.3
Age										
18-24	2.7 ^{*♦}		1.8 ^{*♦}		2.7 ^{*♦}		1.5 ^{*♦}		1.9 ^{*♦}	
25-34	3.0 ^{*♦}		1.9 ^{*♦}		2.3 ^{*♦}		3.2 [*]		1.3 ^{*♦}	
35-39	2.0 ^{*♦}		3.2 ^{*♦}		1.7 ^{*♦}		3.4 ^{*♦}		1.6 ^{*♦}	
40-44	3.4 ^{*♦}		1.8 ^{*♦}		1.9 ^{*♦}		2.5 ^{*♦}		3.1 ^{*♦}	
45-54	4.8 [*]		4.5 [*]		3.9		4.5 [*]		3.9 [*]	
55-64	14.6		11.7		13.6 [*]		11.9		6.5 [*]	
▶ 65-74	12.5 [♦]		11.9 [♦]		8.7 [♦]		10.0 [♦]		11.0 [♦]	
75-84	4.2 ^{*♦}		1.2 ^{*♦}		4.7 ^{*♦}		5.7 ^{*♦}		3.6 ^{*♦}	
85+	...		4.6 ^{*♦}		17.3 ^{*♦}		3.3 ^{*♦}		5.2 ^{*♦}	
Race/ethnicity										
▶ White	6.2	9.8	5.2	7.7	4.4	7.0	4.8	6.8	3.3	5.0
Black	3.5 ^{*♦}	6.7	3.2 ^{*♦}	5.1	9.8 ^{*♦}	18.5	5.0 ^{*♦}	9.1	3.2 ^{*♦}	8.7
Hispanic	8.9 ^{*♦}	16.9	3.4 ^{*♦}	8.1	4.9 ^{*♦}	5.9	5.3 ^{*♦}	9.6	2.9 ^{*♦}	8.8
Asian	10.2 ^{*♦}	33.0	1.0 ^{*♦}	...	1.4 ^{*♦}	8.0	0.7 ^{*♦}	7.1	2.5 ^{*♦}	14.3
Other	...	...	3.3 ^{*♦}	109.2	9.1 ^{*♦}	92.1	4.2 ^{*♦}	40.3	6.1 ^{*♦}	19.0
Unknown	6.8 ^{*♦}	...	3.6 ^{*♦}	...	5.2 ^{*♦}	...	2.7 ^{*♦}	...	3.9 ^{*♦}	...
Missing	3.7 [*]	...	3.3 [*]	...	2.5 ^{*♦}	...	5.6 [*]	...	3.0 ^{*♦}	...
Region										
Northeast	4.4 ^{*♦}	6.8	3.9 [♦]	8.9	4.1 [♦]	5.8	3.1 ^{*♦}	4.8	4.1 [♦]	8.9
South	6.2 [*]	10.2	4.6	8.1	5.7 [*]	9.6	5.0	6.8	2.9	5.2
▶ Midwest	4.1	7.3	4.3	7.2	3.2	5.2	5.5	8.6	2.7	4.2
West	3.8 ^{*♦}	5.3	2.4 ^{*♦}	2.1	2.6 ^{*♦}	5.7	3.2 ^{*♦}	5.2	4.7 [*]	7.9

... 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 12-30. Ambulatory surgery center visits by privately insured individuals for Peyronie's disease listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=44)		2003 (N=28)		2004 (N=25)		2005 (N=34)		2006 (N=42)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.0	1.7	0.6*	1.1	0.5*	1.1	0.7	1.2	0.8	1.4
Age										
18-24	0.5*		0.2*		0.3*		0.1**		0.3**	
25-34	0.7*		0.1**		0.2*		0.3**		0.5**	
35-39	0.2**		0.5**		...		0.6**		0.3**	
40-44	0.5*		0.2**		...		0.2**		0.3**	
45-54	1.4*		1.7**		1.0*		0.7**		1.1*	
55-64	3.2*		0.9**		1.5*		1.5*		2.3*	
▶ 65-74	1.8*		...		0.5*		3.0*		1.8*	
Race/ethnicity										
▶ White	1.1*	2.0	0.5*	0.8	0.5*	1.3	0.6*	1.3	0.9*	1.7
Black	...	...	...	...	1.6**	3.4	...	...	0.5**	...
Hispanic	0.6**	...	...	...	0.8**	2.1	1.2**	2.9	1.1**	3.7
Asian	...	...	...	...	...	...	0.7**	5.1	...	...
Unknown	1.9**	...	0.4**	...	0.3**	...	0.3**	...	0.6**	...
Missing	1.1**	...	0.8**	...	0.3**	...	0.8**	...	0.8**	...
Region										
Northeast	0.9*	6.0	0.6*	0.9	0.5*	0.9	0.7*	1.6	0.4*	1.6
South	1.6**	3.9	1.0**	1.8	0.6**	1.6	0.6*	1.2	1.0*	1.4
▶ Midwest	0.3*	1.7	0.2*	0.6	0.2*	1.2	0.6*	1.7	0.7*	1.5
West	0.9**	1.5	0.2**	0.8	0.9**	2.5	0.9**	2.1	1.0**	3.5

... 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 12-31. Nationally representative ambulatory surgery center visits for Peyronie's disease listed as primary diagnosis, count, rate,^a age-adjusted rate^b

	Count	Rate	Age-Adjusted Rate
Total	671	0.6	2.7

^aRate per 100,000 individuals in the same demographic stratum is based on 2006 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: National Survey of Ambulatory Surgery, 2006.

Table 12-32. Physician office visits by Medicare beneficiaries for Peyronie's disease listed as any diagnosis, rate^a, age-adjusted rate^b

	2002 (N=9,620)		2003 (N=8,000)		2004 (N=6,860)		2005 (N=5,980)		2006 (N=6,460)		2007 (N=5,900)	
	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	61.6	68.4	49.8	59.1	41.9	48.9	36.3	42.3	39.8	47.3	36.3	43.1
Under 65/65+												
< 65 Years	42.9*	42.9	23.2*	23.2	23.5*	23.5	20.0*	20.0	18.7*	18.7	19.6*	19.6
▶ 65+ Years	67.8	68.4	58.7	59.1	48.2	48.9	42.0	42.3	47.3	47.3	42.5	43.1
Age												
▶ 65-69	73.0		64.0		47.6		42.1		35.4		38.6	
70-74	70.9*		57.1*		58.1*		46.8*		68.7*		51.7*	
75-79	78.5*		62.6*		50.6*		49.3*		46.4*		37.4*	
80-84	47.5*		45.7*		38.6*		32.1**		37.5*		52.8*	
85-89	54.6**		60.5**		40.6**		30.3**		49.5**		33.3**	
90-94	34.3**		40.7**		15.7**		30.2**		60.1**		22.0**	
95-97	...		103.8**		...		...		...		...
Race/ethnicity												
▶ White	62.8	69.0	52.6	61.4	44.0	50.5	37.2	43.4	41.3	48.4	38.7	45.2
Black	27.9**	38.1	24.4**	29.2	21.3**	33.7	25.0**	41.1	34.3**	45.3	32.0**	46.3
Hispanic	103.4**	169.7	37.3**	176.7	24.1**	41.2	35.0**	83.8	35.9**	49.2	5.9**	...
Asian	84.6**	444.0	79.4**	414.2	...	...	15.7**	...	...	...	...	...
Other	100.0**	81.7	45.5**	111.4	80.5**	79.5	58.2**	57.5	33.9**	55.5	5.4**	18.6
Unknown	304.2**	...	...	...	292.2**	...	155.9**	...	82.9**	...	262.9**	...
Region												
▶ Northeast	65.8	75.8	53.5	65.5	38.8	43.1	40.1	47.9	44.1	53.2	32.9	40.4
South	68.4*	76.6	58.6*	68.1	43.0*	53.5	42.9*	51.4	42.8*	52.2	42.2*	53.1
Midwest	48.6*	49.4	37.0*	47.0	40.5*	52.2	29.5*	33.3	38.1*	46.5	39.2*	39.0
West	60.6*	71.3	44.0*	51.0	44.7*	40.2	27.2*	30.4	30.9*	32.0	23.5*	30.9

... 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 12-33. Physician office visits by privately insured individuals for Peyronie's disease listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,505)		2003 (N=1,535)		2004 (N=1,551)		2005 (N=1,852)		2006 (N=1,710)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	35.1	58.2	32.0	51.3	31.7	48.7	35.6	55.1	33.6	55.5
Age										
18-24	12.9*		8.1*		6.7*		5.2*		7.9*	
25-34	11.0*		13.8*		14.4*		15.5*		13.1*	
35-39	17.4*		14.2*		16.2*		18.0*		14.0*	
40-44	24.1*		20.2*		21.2*		23.1		18.4*	
45-54	53.0*		45.9*		49.8		51.5		45.0*	
55-64	95.0*		91.5*		77.4*		91.1*		91.9	
▶ 65-74	73.8		61.8		49.8		59.4		81.5	
75-84	29.1**		18.4**		31.9**		35.9*		44.9**	
85+	...		36.6**		21.6**		49.3**		20.6**	
Race/ethnicity										
▶ White	41.6	63.8	38.3	58.3	33.4	53.1	37.9	60.0	34.7	59.5
Black	38.8*	58.1	30.4*	51.5	19.6*	44.0	25.7*	44.8	27.4*	43.0
Hispanic	36.1*	47.3	31.8*	51.0	31.5*	41.9	40.5*	61.8	40.2*	61.8
Asian	17.5**	56.1	19.2**	41.3	20.7**	30.5	24.2*	38.4	12.0**	12.4
Other	4.7**	...	22.8**	50.5	13.7**	135.2	64.8*	137.3	43.0**	116.0
Unknown	56.8*	...	34.4*	...	30.7*	...	26.0*	...	30.5*	...
Missing	29.3*	...	25.1*	...	31.1*	...	28.8*	...	30.7*	...
Region										
Northeast	37.4*	57.7	25.3	41.8	25.7	40.0	29.0*	39.4	30.6	51.7
South	38.4*	68.1	36.4*	58.4	38.8*	57.7	35.3*	55.6	35.8	61.4
▶ Midwest	31.2	48.2	28.7	46.4	27.0	42.1	43.6	65.5	34.4	50.1
West	33.3*	60.5	31.9*	53.7	24.2*	43.7	25.1*	43.3	28.0*	49.1

... 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 12-34. Percentage of women aged 15-44 years by current contraceptive status and method

Contraceptive status and method	Year of Survey			
	1982	1995	2002	2006-2008
Total	55.7%	64.2%	61.9%	61.8%
Female Sterilization	12.9%	17.8%	16.7%	16.7%
Vasectomy	6.1%	7.0%	5.7%	6.1%
Pill	15.6%	17.3%	18.9%	17.3%
Implant, Lunelle™, or patch ^a	...	0.9%	0.8%	0.7%
3-month injectable (Depo-Provera™)	...	1.9%	3.3%	2.0%
Contraceptive ring	...	...	...	1.5%
Intrauterine device (IUD)	4.0%	0.5%	1.3%	3.4%
Diaphragm	4.5%	1.2%	0.2%	†
Condom	6.7%	13.1%	11.1%	10.0%
Periodic abstinence—calendar rhythm	1.8%	1.3%	0.7%	0.5%
Periodic abstinence—natural family planning	0.3%	0.2%	0.2%	0.1%
Withdrawal	1.1%	2.0%	2.5%	3.2%
Other methods ^b	2.7%	1.1%	0.6%	0.2%

... Data unavailable.

† Figure does not meet standard for reliability or precision.

^a1995 percentage only includes Norplant™ implant.

^bIncludes emergency contraception, female condom or vaginal pouch, foam, cervical cap, Today™ sponge, suppository or insert, jelly or cream (without diaphragm), and other methods.

NOTE: Percentages may not add to 100 due to rounding.

SOURCE: CDC/NCHS, National Survey of Family Growth, Use of Contraception in the United States: 1982-2008, Table 4. Number of women aged 15-44 years and percent distribution by current contraceptive status and method: United States, 1982-2008.

Table 12-35. Percentage of women whose current husband, or cohabiting male partner has had a vasectomy

	Percent
Total ^a	6.2%
Age	
15-24	0.3%
25-29	2.9%
30-34	5.4%
35-39	11.6%
40-44	14.5%
Race/ethnicity	
White, Non-Hispanic	8.2%
Black, Non-Hispanic	1.3%
Hispanic, or Latina	2.8%
Region	
Northeast	5.1%
South	5.2%
Midwest	7.9%
West	6.6%

^aIncludes women of other or multiple race and origin groups, not shown separately.

Notes: Percentages do not add to total who reported "any sterilizing operation" because some women reported more than one sterilizing operation.

SOURCE: CDC/NCHS, Fertility, Family Planning and Reproductive Health of U.S. Women Data from the 2002 survey of Family Growth, Table 70. Number of women aged 15-44 years of age and percentage who have had a sterilizing operation by type of operation and percentage whose current husband or cohabiting partner has had a vasectomy, by selected characteristics: United States, 2002.

Table 12-36. Number of women 15-44 years of age whose husbands, or cohabiting male partners have had a vasectomy, by percent for main reasons, percent by specific reasons for operation

Total Count ^a	2,073
Main reason	Percent
Woman had all the children she wanted	47%
Husband or cohabiting partner had all the children he wanted	36.4%
Medical reasons	5.0%
Problems with other methods of birth control	0.5%
Other reason	11.1%
Specific Reason	
Woman had all the children she wanted	89.7%
Husband or cohabiting partner had all the children he wanted	93.6%
Any medical reasons	13.0%
Medical problems with female organs	...
Pregnancy would be dangerous to woman's health	8.2%
Would probably lose a pregnancy	2.4%
Would probably have an unhealthy child	0.5%
Husband or cohabiting partner had a health problem	...
Other medical reason	3.4%
Any problems with birth control methods	16.2%
Any health-related problems with birth control methods	5.2%

... Data unavailable.

^aTotal number is in thousands.

NOTE: Percentages do not add to total who reported "any sterilizing operation" because some women reported more than one sterilizing operation.

SOURCE: CDC/NCHS, National Survey of Family Growth, Use of Contraception in the United States: 1982-2008, Table 73. Number of women 15-44 years of age who have had (or whose husbands or cohabiting partners have had) sterilizing operations in January 1997 or later, percentage who cited the specified reasons for their operations, and percent distribution by main reason, according to selected characteristics: United States, 2002.

Table 12-37. Inpatient stays by privately insured individuals for undescended testes listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=51)		2003 (N=47)		2004 (N=53)		2005 (N=56)		2006 (N=42)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.2	1.0	1.0	0.6	1.1	0.9	1.1	0.6	0.8	0.6
Age										
18-24	0.9*		1.8*		1.6*		2.2*		1.9*	
25-34	2.1*		1.7**		1.8**		1.5*		0.9*	
35-39	0.9*		0.8**		1.0**		1.3*		0.8*	
40-44	2.0*		0.6**		0.8**		0.8*		0.2*	
45-54	0.3**		0.6**		0.8**		0.6*		0.6*	
55-64	0.8*		0.5**		0.5**		0.4*		0.6*	
▶ 65-74	1.8*		...		...		0.9*		0.6*	
75-84	...		...		2.4**		...		1.8**	
Race/ethnicity										
▶ White	1.2*	1.6	0.9*	0.7	0.8*	0.4	1.0*	0.7	0.9	0.6
Black	1.2**	9.4	2.4**	6.4	1.6**	3.4	2.0**	4.3	1.1**	2.5
Hispanic	0.6**	...	1.9**	...	1.8**	3.5	0.9**	4.0	0.7**	57.7
Asian	4.4**	...	...	...	1.4**	...	2.0**	...	...	...
Other	...	...	...	...	4.6**	...	2.1**	...	2.0**	...
Unknown	...	...	1.3**	...	0.3**	...	1.2**	...	1.2**	...
Missing	1.2**	...	0.9**	...	1.8**	...	0.9**	...	0.2**	...
Region										
Northeast	1.1*	4.7	1.3*	1.9	1.8**	1.0	1.9**	1.6	1.1*	5.4
South	1.0*	0.8	1.0*	0.8	1.1*	1.1	1.0*	0.8	0.9*	0.7
▶ Midwest	1.5*	1.1	0.9*	0.4	0.7*	1.0	1.0*	0.9	0.8*	0.9
West	0.9**	1.7	1.0**	...	1.4**	1.4	0.9*	1.2	0.5**	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 12-38. Hospital outpatient visits by privately insured individuals for undescended testes listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=265)		2003 (N=253)		2004 (N=230)		2005 (N=236)		2006 (N=250)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	6.2	3.8	5.3	3.1	4.7	2.5	4.5	2.6	4.9	2.6
Age										
18-24	13.3*		9.3*		7.8*		9.3*		9.0*	
25-34	6.9*		7.6*		6.5*		6.7*		6.7*	
35-39	6.8*		4.7* [♦]		7.0*		3.5* [♦]		6.1*	
40-44	3.4* [♦]		5.1*		4.3* [♦]		5.0*		4.5* [♦]	
45-54	3.7*		4.1*		2.2* [♦]		2.9		3.1	
55-64	6.2*		1.2* [♦]		2.3* [♦]		1.2* [♦]		1.4* [♦]	
▶ 65-74	2.4* [♦]		1.1* [♦]		1.0* [♦]		1.7* [♦]		1.2* [♦]	
75-84	1.0* [♦]		2.5* [♦]		2.4* [♦]		1.9* [♦]		1.8* [♦]	
85+	...		4.6* [♦]		4.3* [♦]		
Race/ethnicity										
▶ White	5.5	3.7	5.6	3.5	4.4	2.2	4.6	2.7	4.8	2.5
Black	5.9* [♦]	9.4	4.8* [♦]	3.7	12.5* [♦]	12.1	7.1* [♦]	5.4	6.5* [♦]	1.6
Hispanic	5.3* [♦]	2.2	4.6* [♦]	2.5	5.9* [♦]	2.2	3.2* [♦]	3.1	7.1*	5.1
Asian	...	...	4.0* [♦]	...	2.9* [♦]	3.4	3.9* [♦]	3.2	1.3* [♦]	11.6
Other	...	...	6.5* [♦]	15.8	2.3* [♦]	...	6.3* [♦]	10.1	10.2* [♦]	6.0
Unknown	7.4* [♦]	...	5.4* [♦]	...	3.6* [♦]	...	5.9* [♦]	...	6.3* [♦]	...
Missing	6.9*	...	5.1*	...	4.5*	...	3.6* [♦]	...	3.0* [♦]	...
Region										
Northeast	5.5* [♦]	4.9	6.3	5.4	4.9* [♦]	2.7	4.3* [♦]	4.6	5.5	3.4
South	5.5*	3.1	4.6*	2.3	4.2*	1.9	4.4*	2.7	4.3*	2.9
▶ Midwest	7.7	5.4	6.0	3.6	6.1	3.9	5.7	2.9	6.2	3.0
West	5.1* [♦]	3.3	4.7* [♦]	5.0	3.1* [♦]	3.9	2.7* [♦]	2.4	3.8*	3.4

... 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 12-39. Ambulatory surgery center visits by privately insured individuals for undescended testes listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=28)		2003 (N=25)		2004 (N=31)		2005 (N=40)		2006 (N=32)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	0.7*	0.6	0.5*	0.5	0.6	0.5	0.8	0.6	0.6	0.4
Age										
18-24	0.9*		0.8*		1.4*		1.0*		0.9*	
25-34	0.4*		0.9*		0.9*		0.8*		1.1*	
35-39	1.3*		0.2*		0.5*		1.3*		0.5*	
40-44	0.2*		0.6*		0.3*		0.5*		0.6*	
45-54	0.8*		0.5*		0.2*		1.0*		0.4*	
55-64	0.8*		...		0.7*		0.3*		0.1*	
▶ 65-74	...		...		...		...		0.6*	
75-84	...		...		...		...		...
Race/ethnicity										
▶ White	1.0*	0.9	0.6*	0.7	0.8*	0.7	0.7*	0.5	0.7*	0.6
Black	1.2*	...	...	...	0.5*	...	1.5*	2.5	...	...
Hispanic	...	...	...	...	0.3*	...	0.2*	...	...	1.3
Asian	...	...	2.0*	...	...	...	0.7*	3.9	0.6*	...
Other	...	...	3.3*	...	...	...	...	...	...	...
Unknown	...	...	0.9*	...	0.3*	...	1.5*	...	0.9*	...
Missing	0.5*	...	0.3*	...	0.4*	...	0.8*	...	0.5*	...
Region										
Northeast	0.7*	1.5	0.4*	...	0.2*	...	0.5*	1.6	0.4*	1.4
South	0.4*	0.3	0.4*	0.7	0.6*	0.7	1.0*	0.9	0.7*	0.5
▶ Midwest	0.6*	0.8	0.5*	1.0	0.9*	1.1	0.4*	0.4	0.5*	1.3
West	1.6*	0.9	1.1*	1.0	0.5*	4.9	1.1*	1.3	0.9*	1.5

... 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 12-40. Nationally representative ambulatory surgery center visits for undescended testes listed as primary diagnosis, count, rate^a

	Count	Rate
Total	30,570	80.8

^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 12-41. Physician office visits by privately insured individuals for undescended testes listed as any diagnosis, rate^a age-adjusted rate^b

	2002 (N=711)		2003 (N=730)		2004 (N=750)		2005 (N=715)		2006 (N=709)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	16.6	12.2	15.2	10.9	15.3	11.2	13.8	10.0	13.9	10.8
Age										
18-24	20.5*		19.3*		18.1*		12.9*		15.9*	
25-34	22.5*		19.1*		19.1*		19.3*		17.5*	
35-39	16.8*		16.6*		17.6*		18.4*		16.2*	
40-44	14.8*		16.8*		14.7*		16.1*		16.0*	
45-54	13.1		13.5*		15.3*		12.0*		12.3	
55-64	13.8		8.5		9.8*		7.2		7.2	
▶ 65-74	8.9*		5.4*		4.1*		4.8*		8.6*	
75-84	4.2*♦		3.7*♦		3.5*♦		4.7*♦		7.2*♦	
85+	...		9.1*♦		8.6*♦		...		...
Race/ethnicity										
▶ White	15.6	12.0	13.9	10.9	14.2	10.3	13.5	9.9	13.2	10.1
Black	23.5*♦	27.1	29.6*	29.4	13.6*♦	15.1	13.1*♦	10.9	21.5*	23.5
Hispanic	33.1*	32.5	27.2*	31.3	23.6*	29.6	13.2*	14.5	21.3*	19.1
Asian	16.0*♦	11.5	33.3*	32.8	20.0*♦	16.8	14.4*♦	18.5	12.7*♦	17.6
Other	...	...	16.3*♦	15.8	16.0*♦	11.2	20.9*♦	32.4	18.4*♦	16.2
Unknown	24.7*	...	18.8*	...	14.2*	...	15.1*	...	9.9*	...
Missing	15.3*	...	12.8*	...	15.6*	...	14.3*	...	12.2*	...
Region										
Northeast	22.9*	13.9	25.1*	16.4	16.7*	14.6	13.9	9.1	15.0	12.4
South	17.1*	12.4	15.0*	11.3	17.2*	13.4	15.0*	11.5	14.2	12.2
▶ Midwest	13.3	12.0	11.4	8.9	12.1	8.3	12.1	8.2	12.5	9.1
West	18.0*	17.5	17.2*	13.4	15.6*	14.1	13.3*	9.9	14.8*	11.6

... 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.

**Urologic
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