

CHAPTER 3

Prostate Cancer

Table 3-1. Codes used in the diagnosis and management of prostate cancer**Males 40 years or older with one or more of the following:***ICD-9 diagnosis codes*

185	Malignant neoplasm of prostate
233.4	Carcinoma in situ of prostate
236.5	Neoplasm of uncertain behavior of prostate

ICD-9 procedure codes

60.5	Radical prostatectomy
60.62	Perineal prostatectomy

CPT procedure codes

55810	Prostatectomy, perineal radical
55812	Prostatectomy, perineal radical; with lymph node biopsy(s) (limited pelvic lymphadenectomy)
55815	Prostatectomy, perineal radical; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric and obturator nodes
55840	Prostatectomy, retropubic radical, with or without nerve sparing
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
55859	Transperineal placement of needles or catheters into prostate for interstitial radioelement application, with or without cystoscopy
55860	Exposure of prostate, any approach, for insertion of radioactive substance
55862	Exposure of prostate, any approach, for insertion of radioactive substance; with lymph node biopsy(s) (limited pelvic lymphadenectomy)
55865	Exposure of prostate, any approach, for insertion of radioactive substance; 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
55873	Cryosurgical ablation of the prostate (includes ultrasonic guidance and monitoring)
55875	Transperineal placement of needles or catheters into prostate for interstitial radioelement application, with or without cystoscopy
55899	Unlisted procedure, male genital system
76873	Ultrasound, transrectal; prostate volume study for brachytherapy treatment planning (separate procedure)
J9202 ^a	Goserelin acetate implant, per 3.6 mg
J9217 ^a	Leuprolide acetate (for deposit suspension), 7.5 mg
J9218 ^a	Leuprolide acetate, per 1 mg
J9219 ^a	Leuprolide acetate implant, 65 mg

^aIncluded in definition of outpatient and physician office visits only.**Table 3-2. Incidence^a and mortality^b rates for the most common cancer sites among men in the United States, 2008**

	Incidence	Mortality
All Sites	530.84	215.65
Lung/Bronchus	70.24	64.03
Colon/Rectum	50.39	19.66
Prostate	153.03	22.82
Urinary Bladder	36.42	7.59

^aBased on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Rates are per 100,000 and are age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130).^bUS Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130).SOURCE: Howlander N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.**Table 3-3. Estimated new cases and deaths for the most common cancer sites among men in the United States, 2011**

	Estimated New Cases	Estimated New Deaths
All Sites	822,300 (100%)	300,430 (100%)
Lung & Bronchus	115,060 (14%)	85,600 (28%)
Colon & Rectum	71,850 (9%)	25,250 (8%)
Prostate	240,890 (29%)	33,720 (11%)
Urinary Bladder	52,020 (6%)	10,670 (4%)

SOURCE: American Cancer Society. *Cancer Facts & Figures 2011*. Atlanta: American Cancer Society, Inc.

Table 3-4. Incidence rates^a for prostate cancer, by race/ethnicity and age, age-adjusted

Year of Diagnosis	All Males			White Males			Black Males		
	All	< 65	65+	All	< 65	65+	All	< 65	65+
1975	94.0	13.7	649.3	92.2	13.0	639.4	141.0	26.8	930.5
1976	97.9	14.6	673.9	97.3	13.9	673.8	140.8	29.4	910.9
1977	100.5	15.0	690.9	98.5	14.4	680.5	159.2	29.2	1,057
1978	99.4	15.3	681.1	97.7	14.8	670.8	148.1	26.8	986.4
1979	103.4	15.0	714.9	102.3	14.7	708.0	162.3	26.4	1,102
1980	106.0	15.5	731.6	105.0	14.7	729.0	161.1	33.8	1,041
1981	108.9	16.8	745.3	107.9	16.0	743.3	161.9	34.6	1,042
1982	108.2	16.3	743.3	107.3	15.8	740.1	167.6	31.3	1,110
1983	111.6	17.2	764.5	110.8	16.6	762.1	170.8	34.1	1,116
1984	111.7	17.3	764.3	110.1	16.2	758.9	178.8	37.1	1,158
1985	115.5	17.9	790.4	114.6	17.6	785.4	170.1	31.4	1,128
1986	119.1	18.5	814.0	119.0	18.3	815.3	168.6	34.1	1,098
1987	133.7	21.5	909.1	134.5	21.1	918.7	189.2	36.1	1,248
1988	137.6	22.2	935.4	138.8	22.3	943.5	189.9	34.6	1,263
1989	145.3	24.1	983.1	146.1	24.0	990.2	192.0	37.3	1,261
1990	170.9	28.8	1,153	172.7	28.9	1,167	222.1	44.6	1,449
1991	214.8	38.9	1,431	216.4	39.3	1,441	288.5	57.3	1,887
1992	237.3	49.4	1,536	238.3	49.4	1,544	328.2	77.8	2,059
1993	209.4	50.5	1,308	204.4	49.0	1,278	344.8	94.3	2,076
1994	180.1	48.6	1,089	174.1	46.8	1,054	313.5	95.3	1,822
1995	169.0	49.9	991.7	164.1	48.1	966.2	281.9	98.5	1,549
1996	169.2	53.4	969.3	164.8	52.0	944.8	282.7	100.3	1,543
1997	173.3	55.2	989.9	169.7	54.0	969.7	283.9	97.0	1,576
1998	170.5	54.8	970.3	167.0	53.0	954.9	286.0	102.4	1,555
1999	183.1	60.7	1,029	178.8	58.8	1,008	289.7	112.0	1,518
2000	182.5	61.7	1,017	178.9	59.8	1,002	290.9	114.2	1,512
2001	184.3	64.6	1,012	182.1	62.5	1,009	273.8	114.8	1,373
2002	181.6	65.6	983.8	178.9	63.8	974.6	288.0	118.2	1,461
2003	169.0	62.1	908.0	165.3	59.6	895.9	259.7	117.2	1,245
2004	164.8	62.0	875.5	160.9	60.0	858.2	254.8	106.6	1,279
2005	154.9	57.6	827.3	149.7	54.6	807.0	245.2	106.1	1,207
2006	168.9	64.1	893.2	163.8	61.4	871.8	248.2	108.8	1,212
2007	171.2	66.1	898.1	164.5	62.2	871.7	260.5	118.4	1,243
2008	153.0	61.6	785.3	146.3	58.0	757.0	244.3	109.9	1,173
1975-2008	152.8	41.6	921.3	149.5	39.6	909.0	237.9	78.2	1,342

^aSEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Rates are per 100,000 and are age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130).

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-5. Incidence rates^a for prostate cancer, 2004-2008, age-specific and age-adjusted rates, by race/ethnicity

	All Males	White Males	Black Males
Age-Specific Rates			
Age at Diagnosis			
<1	...	...	...
1-4	...	...	...
5-9	...	...	...
10-14	...	...	...
15-19	...	...	...
20-24	...	...	...
25-29	...	...	...
30-34	...	...	...
35-39	0.8	0.7	1.9
40-44	10.0	8.4	25.6
45-49	43.0	38.8	92.7
50-54	139.1	131.2	255.3
55-59	326.6	312.0	569.6
60-64	573.1	550.7	964.7
65-69	857.4	829.5	1,301
70-74	935.1	909.6	1,249
75-79	885.5	848.8	1,106
80-84	721.4	677.7	903.2
85+	604.4	571.8	874.4
Age-Adjusted Rates			
Age at Diagnosis/ Death			
All ages	156.0	149.5	233.8
Under 65	58.1	55.3	103.1
65 and over	832.7	800.7	1,138
All ages ^b	106.1	101.8	165.4

... Statistic not shown. Rate based on less than 16 cases for the time interval.

^aBased on the SEER 17 areas. Rates are per 100,000 and are age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130), unless noted.

^bRates are per 100,000 and are age-adjusted to the International Agency for Research on Cancer (IARC) world standard population.

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-6. Age-adjusted incidence rates^a and trends^b for prostate cancer, by race/ethnicity

Race/ethnicity	Rate 2004-2008 Rate per 100,000	Trend 1999-2008 AAPC ^c (%)
All Races	156.0	-1.7*
White	149.5	-1.9*
White Hispanic ^d	127.2	-2.7*
White Non-Hispanic ^d	153.1	-1.6*
Black	233.8	-2.0*
Asian/Pacific Islander	88.3	-1.4
American Indian/ Alaska Native ^e	75.3	-2.3*
Hispanic ^d	129.0	-2.3*

The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.5, April 2011, National Cancer Institute.

*The AAPC is significantly different from zero ($p < .05$).

^aBased on the SEER 17 areas. Rates are age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130).

^bBased on the SEER 13 areas. Trends are based on rates age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130).

^cThe 1999-2008 AAPC estimates are based on a Joinpoint analysis with up to 3 Joinpoints over diagnosis years 1992-2008.

^dHispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2004-2008 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia, New Hampshire, and North Dakota. The 1999-2008 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

^eIncidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-7. Estimated prostate cancer prevalence counts^a on January 1, 2008 in the United States, by race/ethnicity and years since diagnosis

Years Since Diagnosis	0 to < 5	5 to < 10	10 to < 15	15 to < 20	20 to < 25	25 to < 30	0 to < 18 ^e	0 to < 33 ^e	≥ 33 ^f	Complete ^g
Race/ethnicity										
All Races ^b	947,233	719,432	438,078	142,054	27,477	8,596	2,275,367	2,353,355	2,109	2,355,464
White ^b	780,290	608,406	378,709	129,392	25,198	7,935	1,910,974	1,982,239	2,364	1,984,603
Black ^b	124,196	87,139	48,310	10,111	1,967	553	278,480	284,018	190	284,208
Asian/Pacific Islander ^c	18,979	12,388	5,850	...	...	...	38,742	...	...	...
Hispanic ^d	52,180	35,973	18,196	...	...	...	110,871	...	...	...

... Data unavailable.

^aUS 2008 cancer prevalence counts are based on 2008 cancer prevalence proportions from the SEER registries and 1/1/2008 US population estimates based on the average of 2007 and 2008 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.

^bStatistics based on the SEER 9 Areas.

^cStatistics based on the SEER 11 Areas and Rural Georgia.

^dStatistics based on NHIA for Hispanic for the SEER 11 Areas and Rural Georgia.

^eMaximum limited-duration prevalence: 33 years for 1975-2008 SEER 9 data; 18 years for 1990-2008 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders).

^fCases diagnosed more than 33 years ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000).

^gComplete prevalence is obtained by summing 0 to <33 and ≥33.

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-8. Risk of being diagnosed with prostate cancer in 10, 20 and 30 years, lifetime risk of being diagnosed with cancer given alive and cancer-free at current age, males, 2006-2008 by race/ethnicity

Current Age	All Males			Eventually
	> 10 years	> 20 years	> 30 years	
0	0.00	0.00	0.00	16.48
10	0.00	0.00	0.01	16.69
20	0.00	0.01	0.33	16.78
30	0.01	0.33	2.60	17.00
40	0.33	2.63	8.60	17.27
50	2.39	8.58	14.67	17.57
60	6.84	13.57	16.29	16.77
70	8.50	11.93	...	12.54
80	5.49	...	...	6.47
Lifetime Risk of Being Diagnosed = 16.48		Lifetime Risk of Dying = 2.77		

Current Age	White Males			Eventually
	> 10 years	> 20 years	> 30 years	
0	0.00	0.00	0.00	15.89
10	0.00	0.00	0.01	16.07
20	0.00	0.01	0.30	16.15
30	0.01	0.30	2.46	16.36
40	0.30	2.48	8.28	16.60
50	2.27	8.27	14.19	16.89
60	6.60	13.11	15.64	16.08
70	8.17	11.34	...	11.90
80	5.08	...	...	5.97
Lifetime Risk of Being Diagnosed = 15.89		Lifetime Risk of Dying = 2.60		

Current Age	Black Males			Eventually
	> 10 years	> 20 years	> 30 years	
0	0.00	0.00	0.00	19.10
10	0.00	0.00	0.03	19.58
20	0.00	0.03	0.68	19.75
30	0.03	0.69	4.37	20.19
40	0.68	4.48	12.55	20.76
50	4.04	12.63	18.81	21.39
60	10.28	17.66	20.29	20.75
70	10.83	14.69	...	15.36
80	7.16	...	...	8.42
Lifetime Risk of Being Diagnosed = 19.10		Lifetime Risk of Dying = 4.44		

... Statistic could not be calculated.

NOTE: A percent of 0.00 represents a value that is below 0.005.

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-9. Stage at diagnosis for prostate cancer 2001-2007,^a total case counts, estimated case counts, and percentages

Stage at Diagnosis	All Males		
	All	< 65	65+
All Stages	332,115 (100%)	132,852 (100%)	199,263 (100%)
Localized	269,013 (81%)	106,282 (79%)	165,388 (83%)
Regional	39,854 (12%)	21,256 (17%)	15,941 (8%)
Distant	13,285 (4%)	3,985 (3%)	9,963 (5%)
Unstaged	9,963 (3%)	1,328 (1%)	7,971 (4%)
Stage at Diagnosis	White Males		
	All	< 65	65+
All Stages	263,353 (100%)	103,366 (100%)	159,987 (100%)
Localized	213,316 (81%)	81,659 (79%)	132,789 (83%)
Regional	31,602 (12%)	18,606 (18%)	12,799 (8%)
Distant	10,534 (4%)	3,101 (3%)	7,999 (5%)
Unstaged	7,901 (3%)	1,034 (1%)	6,399 (4%)
Stage at Diagnosis	Black Males		
	All	< 65	65+
All Stages	41,690 (100%)	21,015 (100%)	20,675 (100%)
Localized	33,352 (80%)	16,602 (79%)	16,954 (82%)
Regional	4,586 (11%)	3,152 (15%)	1,447 (7%)
Distant	2,501 (6%)	841 (4%)	1,447 (7%)
Unstaged	1,251 (3%)	210 (1%)	827 (4%)

^aBased on the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJMLA, Kentucky, Louisiana and New Jersey). Based on follow-up of patients into 2008.

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-10. Survival (%) for prostate cancer, by race, diagnosis year, stage and age

	All Males			White Males			Black Males		
	All	< 65	65+	All	< 65	65+	All	< 65	65+
5-Year Relative Survival (%)									
Year of Diagnosis									
1960-1963 ^a	...	...	...	50.0	...	...	35.0	...	...
1970-1973 ^a	...	...	...	63.0	...	...	55.0	...	...
► 1975-1977 ^b	68.3	73.7	66.6	69.0	75.4	67.1	61.0	62.2	60.5
1978-1980 ^b	70.5	75.5	69.1	71.7	77.1	70.1	62.1	65.2	60.8
1981-1983 ^b	72.4	76.3	71.4	73.5	77.9	72.3	63.2	65.4	62.3
1984-1986 ^b	75.5	77.6	75.0	76.8	79.3	76.2	65.8	67.6	65.2
1987-1989 ^b	83.2	83.3	83.2	84.8	84.8	84.8	71.5	72.7	71.2
1990-1992 ^b	93.3	93.1	93.3	94.4	94.1	94.5	84.6	86.6	83.8
1993-1995 ^b	95.4	95.9	95.2	96.1	96.6	95.9	91.7	93.2	90.9
1996-2000 ^b	98.3	98.7	98.1	98.9	99.1	98.7	95.6	97.2	94.3
2001-2007 ^b	99.9*	99.7*	99.9*	99.9*	99.8*	99.9*	97.9*	99.1*	96.2*
5-Year Relative Survival (%), 2001-2007^c									
Stage at Diagnosis									
All Stages	99.4	99.1	99.5	99.7	99.3	99.7	96.2	98.2	94.1
Localized	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Regional	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.6
Distant	28.7	30.8	27.9	28.1	30.4	27.5	27.9	30.4	26.2
Unstaged	69.9	83.4	66.8	68.8	83.4	65.9	58.8	74.4	52.8
Age at Diagnosis									
< 45	96.4	...	...	96.1	...	...	96.6	...	...
45-54	98.2	...	...	98.3	...	...	97.6	...	...
55-64	99.5	...	...	99.7	...	...	98.4	...	...
65-74	100.0	...	...	100.0	...	...	97.8	...	...
75+	97.4	...	...	98.0	...	...	85.9	...	...
< 65	99.1	...	...	99.3	...	...	98.2	...	...
65+	99.5	...	...	99.7	...	...	94.1	...	...

... Statistic could not be calculated due to fewer than 25 cases during the time period.

► Denotes reference group.

*The difference between 1975-1977 and 2001-2007 is statistically significant ($p < .05$).

^aBased on End Results data from a series of hospital registries and one population-based registry.

^bBased on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Based on follow-up of patients into 2008.

^cBased on SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Based on follow-up of patients into 2008.

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD,

http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-11. Relative survival^a (%) for prostate cancer, by year of diagnosis, all races

	1975-1979		1980-1984		1985-1989		1990-1994		1995-1999		2000-2004		2005-2007								
	1979	1984	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Survival Time																					
1-year	91.9	94.0	95.9	97.7	98.8	99.6	99.4	99.2	98.9	99.3	99.5	99.6	99.7	99.9	100.0	99.9	99.9	100.0	99.9	99.9	99.9
2-year	85.1	87.9	91.5	94.8	97.4	98.4	98.2	98.1	97.8	98.2	98.9	99.1	99.7	99.7	100.0	99.9	99.8	99.9	99.8	99.9	
3-year	78.8	82.0	87.2	92.4	95.9	97.8	97.0	96.8	97.1	97.6	98.6	98.6	99.7	99.3	100.0	99.9	99.6	99.9	99.8		
4-year	73.6	76.8	83.8	90.3	94.4	97.2	96.5	95.6	96.5	97.0	98.1	98.4	99.4	99.1	100.0	99.9	99.6	99.9			
5-year	69.2	72.4	80.9	88.9	93.0	96.4	95.5	94.8	95.8	96.7	97.7	98.4	99.4	99.1	100.0	99.9	99.4				
6-year	65.6	68.8	78.2	87.4	91.5	95.2	94.7	94.0	95.4	96.3	97.5	98.2	99.4	98.8	100.0	99.9					
7-year	62.1	65.3	75.7	85.3	90.8	94.3	93.6	93.1	95.0	95.6	97.4	98.0	99.4	98.8	100.0						
8-year	58.9	62.3	73.7	83.7	89.6	93.0	93.0	92.5	94.8	95.1	97.3	98.0	99.1	98.7							
9-year	56.1	60.0	71.7	82.5	88.5	92.1	91.7	91.7	94.4	94.7	97.0	97.5	99.0								
10-year	53.5	58.1	69.9	80.7	87.6	91.1	90.8	91.2	93.8	94.5	96.9	97.2									
11-year	51.0	55.8	68.2	79.2	86.2	90.6	90.3	90.1	93.1	94.3	96.8										
12-year	48.7	53.8	66.4	78.3	85.5	89.9	88.9	89.3	92.3	94.0											
13-year	46.9	52.0	64.7	77.6	84.5	89.0	88.4	88.7	91.4												
14-year	45.1	50.4	63.3	76.5	84.1	88.4	87.8	87.6													
15-year	43.9	49.1	61.7	75.5	83.2	87.7	86.7														
16-year	42.1	47.2	60.1	73.8	82.1	86.8															
17-year	40.5	46.1	59.6	72.7	81.8																
18-year	39.1	44.7	58.5	72.1																	
19-year	38.3	43.3	58.0																		
20-year	37.3	41.9																			

^aBased on the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-12. Age-adjusted mortality rates^a for prostate cancer by year, race, and age

	All Races			Whites			Blacks		
	All	<65	65+	All	<65	65+	All	<65	65+
Year of Death									
1975	31.0	2.5	227.5	29.1	2.2	214.9	55.5	6.6	394.0
1976	31.8	2.7	232.9	29.9	2.3	220.8	55.6	6.9	392.2
1977	31.8	2.7	233.3	29.9	2.3	220.6	56.4	6.9	398.7
1978	32.7	2.6	240.3	30.6	2.2	226.8	58.5	6.8	416.1
1979	32.8	2.6	242.1	30.8	2.2	228.2	59.2	6.6	422.9
1980	33.1	2.7	243.1	30.8	2.3	227.4	62.0	6.6	445.0
1981	33.2	2.7	244.0	30.8	2.3	227.5	63.6	7.1	454.5
1982	33.4	2.7	245.5	31.1	2.3	229.9	62.4	6.6	447.7
1983	33.9	2.8	249.3	31.6	2.4	233.2	64.6	7.0	462.5
1984	34.1	2.7	250.8	31.6	2.4	233.5	65.9	6.7	475.1
1985	33.9	2.7	249.4	31.3	2.3	231.3	67.3	7.2	482.7
1986	34.9	2.8	257.0	32.5	2.5	239.7	67.4	6.6	487.4
1987	35.1	2.7	259.1	32.6	2.4	241.3	68.9	6.7	499.0
1988	35.9	2.8	264.4	33.4	2.5	247.1	69.6	7.0	502.3
1989	37.1	3.0	273.0	34.5	2.6	255.2	71.7	7.1	518.5
1990	38.6	3.0	284.2	35.7	2.7	264.0	78.0	7.4	565.7
1991	39.3	2.9	291.1	36.5	2.5	271.4	78.2	7.1	570.2
1992	39.2	2.9	290.6	36.3	2.4	270.3	79.8	7.7	578.7
1993	39.3	2.7	292.5	36.3	2.3	270.8	81.9	7.0	599.1
1994	38.5	2.7	286.5	35.6	2.3	266.0	80.0	6.8	585.9
1995	37.3	2.6	277.2	34.4	2.2	256.9	78.2	6.7	572.5
1996	36.0	2.5	267.6	33.0	2.1	246.4	78.8	6.5	579.2
1997	34.2	2.3	254.3	31.4	1.9	234.6	74.3	6.3	544.2
1998	32.6	2.3	242.5	29.9	1.9	223.4	72.8	6.3	532.4
1999	31.6	2.1	235.5	28.9	1.7	216.9	70.1	5.8	514.8
2000	30.4	2.0	226.6	27.8	1.7	208.1	68.9	5.4	508.0
2001	29.4	1.9	219.3	26.9	1.6	201.3	67.9	5.4	499.7
2002	28.6	1.9	212.6	26.2	1.6	196.2	65.0	5.4	477.6
2003	27.0	1.9	200.4	24.9	1.6	185.5	60.5	5.5	440.9
2004	26.0	1.8	193.0	23.9	1.6	178.0	59.2	5.0	434.1
2005	25.2	1.8	186.9	23.2	1.5	172.7	57.3	5.0	418.5
2006	24.1	1.9	177.5	22.2	1.6	164.4	54.0	4.8	394.2
2007	24.0	1.8	178.0	22.1	1.5	164.1	55.3	4.8	404.4
2008	22.8	1.8	168.1	21.2	1.5	156.9	49.5	4.8	358.7
1975-2008	32.1	2.4	237.7	29.7	2.1	221.0	66.5	6.2	483.2
Age at Death									
All ages	24.4	...	...	22.4	...	...	54.9	...	...
Under 65	1.8	...	...	1.5	...	...	4.9	...	...
65 and over	180.4	...	...	167.0	...	...	401.1	...	...
All ages ^b	10.6	...	...	9.6	...	...	24.7	...	...

... Statistic could not be calculated due to fewer than 25 cases during the time period.

^aUS Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130), unless noted.

^bRates are per 100,000 and are age-adjusted to the International Agency for Research on Cancer (IARC) world standard population.

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD,

http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-13. Age-adjusted mortality^a rates^b and trends^c for prostate cancer by race/ethnicity

Race/ethnicity	Rate 2004-2008 Rate per 100,000	Trend 1999-2008 AAPC ^d (%)
All Races	24.4	-3.7*
White	22.4	-3.3*
White Hispanic ^e	18.9	-3.1*
White Non-Hispanic ^e	22.6	-3.4*
Black	54.9	-3.5*
Asian/Pacific Islander	10.5	-3.9*
American Indian/Alaska Native		
Total U.S.	16.9	-3.1*
CHSDA ^f Counties	20.7	-2.3*
Non-CHSDA ^f Counties	12.3	-3.8*
Hispanic ^e	18.5	-3.5*

The AAPC is the Average Annual Percent Change over the time interval.

*The AAPC is significantly different from zero ($p < .05$).

^aUS Mortality Files, National Center for Health Statistics, CDC.

^bRates are age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130).

^cTrends are based on rates age-adjusted to the 2000 US standard population (19 age groups - Census P25-1130).

^dThe 1999-2008 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2008.

^eHispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The 2004-2008 Hispanic and Non-Hispanic death rates exclude deaths from the District of Columbia and North Dakota. The 1999-2008 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, the District of Columbia, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.

^fIncidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

SOURCE: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2008, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2008/, based on November 2010 SEER data submission, posted to the SEER web site, 2011.

Table 3-14. Nationally representative inpatient stays for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=99,374)		2003 (N=90,224)		2004 (N=80,992)		2005 (N=82,613)		2006 (N=89,199)		2007 (N=102,372)	
	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	97.5	172.2	87.1	151.3	78.1	136.6	78.7	135.5	83.9	142.4	94.9	159.0
Age												
40-44	6.6*		6.2*		6.0*		7.1*		7.8*		9.6*	
45-54	68.9*		58.5*		52.5*		50.0*		58.7*		71.8*	
55-64	293.0		247.8		222.9		219.7		236.5		269.9	
▶ 65-74	380.3		346.9		306.7		309.6		331.7		371.4	
75-84	220.4*		196.4*		186.7*		191.5*		168.6*		157.2*	
85+	377.5*		369.6*		346.5*		322.3*		268.9*		252.8*	
Race/ethnicity												
▶ White	65.9	117.1	68.8	111.1	63.7	102.9	66.3	105.1	67.2	104.9	75.0	115.1
Black	80.9*	159.4	78.9*	149.7	74.9*	144.4	62.3*	118.0	75.5*	140.5	80.6*	148.4
Hispanic	†	†	34.5*	85.7	23.3*	60.1	24.9*	62.6	30.8*	75.1	27.9*	67.3
Asian	25.9*	57.9	28.9*	73.5	20.7*	40.7	17.4*	34.5	18.6*	47.8	27.4*	55.8
Other	192.9*	396.6	81.3*	171.6	68.8*	146.2	107.2*	218.2	113.8*	224.9	106.5*	200.8
Region												
Northeast	98.6	163.2	94.8	156.8	79.9	133.5	82.4	137.0	79.4	128.1	123.0	197.6
South	98.0	172.3	87.8	151.2	78.8	136.5	73.1	126.1	88.1	150.7	81.7	136.9
▶ Midwest	106.8	189.4	90.1	161.6	85.1	152.8	84.4	143.3	85.4	143.6	103.6	172.2
West	86.4*	163.7	76.5*	136.8	68.6*	123.8	78.9*	141.6	79.5*	140.7	84.9*	149.1

▶ 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 3-15. Inpatient stays by Medicare beneficiaries for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=33,560)		2003 (N=30,880)		2004 (N=29,860)		2005 (N=27,940)		2006 (N=28,780)		2007 (N=30,200)	
	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	214.9	271.6	192.1	240.0	182.3	230.0	169.4	214.0	177.2	217.6	185.9	237.9
Under 65/65+												
< 65 Years	43.4*	43.4	47.5*	47.5	39.8*	39.8	41.4*	41.4	53.4*	53.4	42.9*	42.9
▶ 65+ Years	271.5	271.6	240.7	240.0	231.0	230.0	214.6	214.0	221.4	217.6	238.6	237.9
Age												
▶ 65-69	344.3		321.1		318.2		308.0		312.2		357.5	
70-74	306.5*		270.0*		256.6*		247.4*		257.9*		295.9*	
75-79	210.1*		154.9*		151.0*		138.0*		149.4*		141.6*	
80-84	166.9*		163.1*		135.1*		115.4*		111.2*		87.2*	
85-89	232.0*		194.7*		182.9*		123.8*		99.0*		121.4*	
90-94	214.2*♦		244.1*		195.8*♦		128.5*♦		240.3*		95.4*♦	
95-97	161.6*♦		0.0*♦		202.1*♦		95.0*♦		191.3*♦		93.3*♦	
98+	0.0*♦		43.6*♦		42.9*♦		0.0*♦		41.2*♦		80.8*♦	
Race/ethnicity												
▶ White	209.8	259.3	189.0	229.2	180.5	220.2	164.9	202.7	178.3	214.4	187.2	233.0
Black	290.5*	455.3	244.1*	383.6	203.2*	323.5	224.9*	360.6	191.8*	276.7	213.8*	331.4
Hispanic	109.8*♦	140.5	124.2*♦	178.6	114.4*♦	154.7	99.3*♦	147.8	83.8*♦	95.7	88.0*♦	163.4
Asian	56.4*♦	52.4	79.4*♦	96.8	75.0*♦	73.8	102.0*♦	128.8	62.0*♦	78.4	73.6*♦	90.7
Other	235.7*	346.6	175.6*♦	258.2	278.7*	409.2	180.3*	229.6	237.2*	313.6	171.8*	231.5
Unknown	760.5*♦	...	721.2*♦	...	511.3*♦	...	623.5*♦	...	248.6*♦	...	525.9*♦	...
Region												
▶ Northeast	206.7	256.6	174.3	213.0	153.2	191.0	157.7	199.5	144.7	164.0	153.2	187.6
South	218.0*	279.5	196.4*	249.4	182.5*	234.5	166.9*	210.9	176.1*	219.5	193.9*	251.5
Midwest	221.9*	277.8	185.0*	227.3	184.3*	227.8	182.1*	228.8	191.5*	237.6	181.4*	232.1
West	206.8*	262.0	212.3*	267.7	210.3*	264.3	169.8*	214.9	193.8*	241.8	208.2*	268.4

... 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 3-16. Inpatient stays by privately insured individuals for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=4,213)		2003 (N=4,240)		2004 (N=4,044)		2005 (N=4,523)		2006 (N=4,011)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	98.3	258.3	88.5	242.4	82.6	214.9	87.0	214.2	78.7	218.2
Age										
40-44	9.3*		9.3*		7.3*		8.1*		9.9*	
45-54	81.6*		65.5*		66.6*		61.1*		65.2*	
55-64	360.8*		330.3*		297.7*		284.5*		286.1*	
▶ 65-74	597.0		517.8		469.7		480.3		491.4	
75-84	649.2*		619.2*		502.6*		549.0*		527.8*	
85+	...		750.0*		604.6*		535.3*		639.6*	
Race/ethnicity										
▶ White	109.1	250.4	102.9	251.8	88.6	226.0	92.0	224.5	85.0	226.4
Black	150.3*	338.2	148.1*	280.4	122.1*	261.5	155.5*	307.4	100.0*	264.7
Hispanic	50.3*	209.8	45.2*	137.9	40.5*	130.7	34.0*	108.0	43.5*	161.6
Asian	42.2**	160.7	31.3*	99.6	31.5*	115.3	33.3*	124.0	37.3*	141.9
Other	75.0**	229.5	87.8**	281.4	73.0*	244.2	66.9*	241.6	49.1**	222.7
Unknown	98.8*	...	92.5*	...	98.8*	...	82.7*	...	84.5*	...
Missing	94.0*	...	75.5*	...	73.7*	...	92.3*	...	74.1*	...
Region										
Northeast	111.0	271.5	93.6	248.5	89.0	230.5	90.0	228.0	81.1	231.5
South	99.0	257.6	87.9*	239.0	78.7*	205.7	81.8*	210.9	74.5	210.5
▶ Midwest	102.3	262.7	94.0	247.1	88.2	219.3	95.4	218.3	78.2	214.8
West	75.9*	239.3	73.2*	238.4	77.6*	219.7	83.3*	209.8	90.0*	231.9

... 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 3-17. Nationally representative inpatient stays for prostate cancer listed as primary diagnosis with radical prostatectomy performed, rate,^a rate per visit^b

	2002 (N=66,549)		2003 (N=58,704)		2004 (N=55,649)		2005 (N=54,653)		2006 (N=65,680)		2007 (N=79,662)	
	Rate	Rate Per Visit	Rate	Rate Per Visit	Rate	Rate Per Visit	Rate	Rate Per Visit	Rate	Rate Per Visit	Rate	Rate Per Visit
Total	114.0	66,968	98.0	65,064	93.0	68,710	90.0	66,155	106.0	73,634	126.0	77,817
Age												
40-54	42.0	92,047	36.0	91,007	32.0	90,696	31.0	90,167	38.0	91,183	47.0	93,136
55-64	255.0	87,166	212.0	85,665	196.0	87,956	186.0	84,765	210.0	88,934	243.0	90,072
65-74	251.0	66,044	226.0	65,158	215.0	70,230	206.0	66,389	246.0	74,194	289.0	77,761
75-84	22.0	10,023	15.0	7,871	17.0	8,941	20.0	10,481	25.0	14,953	29.0	18,580
85+	†	†	†	†	†	†	†	†	†	†	†	†
Race/ethnicity												
White	76.0	67,139	73.0	66,379	71.0	69,923	70.0	66,987	80.0	75,457	94.0	79,304
Black	98.0	61,581	87.0	58,230	87.0	60,854	72.0	61,433	93.0	65,414	107.0	70,485
Hispanic	†	†	51.0	56,911	36.0	59,326	39.0	62,630	48.0	64,070	49.0	71,778
Region												
Northeast	104.0	62,114	95.0	59,483	82.0	60,729	87.0	63,535	85.0	64,462	158.0	78,378
South	110.0	64,121	96.0	63,876	94.0	69,147	84.0	66,311	112.0	74,501	106.0	75,579
Midwest	125.0	69,062	105.0	67,035	103.0	70,013	96.0	67,314	108.0	75,530	139.0	79,333
West	120.0	74,110	98.0	70,696	92.0	73,876	95.0	66,944	110.0	77,540	119.0	78,721

† Figure does not meet standard for reliability or precision.

^aRate per 100,000 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 40+ civilian non-institutionalized population.

^bRate per 100,000 male 40+ visits with radical prostatectomy performed is based on estimated number of visits for prostate cancer in Healthcare Cost and Utilization Project Nationwide Inpatient Sample, 2002-2007.

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

Table 3-18. Most common procedures during inpatient stays for prostate cancer listed as primary diagnosis, 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
Radical prostatectomy	66,549	114.2	66,968	58,704	98.3	65,065	55,649	93.3	68,710
Regional lymph node excision	32,293	55.4	32,496	28,095	47.0	31,140	26,423	44.3	32,625
Transurethral resection of prostate	14,410	24.7	14,501	12,917	21.6	14,317	10,466	17.5	12,923
	2005			2006			2007		
	Count	Rate	Rate Per Visit	Count	Rate	Rate Per Visit	Count	Rate	Rate Per Visit
Radical prostatectomy	54,653	89.7	66,156	65,680	105.8	73,634	79,662	126.5	77,817
Regional lymph node excision	21,956	36.0	26,577	24,899	40.1	27,914	32,634	51.8	31,878
Transurethral resection of prostate	9,375	15.4	11,348	8,478	13.7	9,505	7,474	11.9	7,301

^aRate per 100,000 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 40+ civilian non-institutionalized population.

^bRate per 100,000 male 40+ visits is based on estimated number of visits for prostate cancer in Healthcare Cost and Utilization Project Nationwide Inpatient Sample, 2002-2007.

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

Table 3-19. Hospital outpatient visits by Medicare beneficiaries for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=169,880)		2003 (N=175,760)		2004 (N=174,260)		2005 (N=181,300)		2006 (N=179,600)		2007 (N=180,100)	
	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	1,088	1,401	1,093	1,411	1,064	1,389	1,099	1,440	1,106	1,451	1,108	1,470
Under 65/65+												
< 65 Years	153.4*	153.4	184.0*	184.0	158.6*	158.6	161.2*	161.2	179.8*	179.8	182.2*	182.2
▶ 65+ Years	1,396	1,401	1,399	1,411	1,373	1,389	1,431	1,440	1,436	1,451	1,450	1,470
Age												
▶ 65-69	985.5		994.1		896.7		1,010		1,025		991.5	
70-74	1,413*		1,506*		1,543*		1,505*		1,544*		1,653*	
75-79	1,862*		1,777*		1,772*		1,868*		1,841*		1,758*	
80-84	1,613*		1,577*		1,652*		1,631*		1,680*		1,815*	
85-89	1,411*		1,508*		1,392*		1,468*		1,418*		1,435*	
90-94	1,448*		1,221*		1,057*		1,663*		1,344*		1,322*	
95-97	915.9*♦		726.9*♦		1,162*♦		759.7*♦		1,339*♦		1,026*♦	
98+	265.3*♦		218.0*♦		171.6*♦		379.3*♦		247.0*♦		121.2*♦	
Race/ethnicity												
▶ White	1,005	1,273	1,009	1,283	983.8	1,270	1,015	1,314	1,041	1,347	1,053	1,376
Black	1,782*	2,908	1,786*	2,848	1,646*	2,603	1,848*	2,956	1,716*	2,775	1,713*	2,840
Hispanic	833.5*	1,014	1,205*	1,644	1,246*	1,613	817.8*	1,226	724.3*	1,140	586.8*	892.9
Asian	611.3*	556.8	529.2*	555.9	592.0*	586.0	714.1*	711.0	659.0*	753.7	706.2*	785.2
Other	1,800*	2,887	1,496*	2,382	1,747*	2,691	1,512*	2,464	1,389*	2,209	1,251*	1,855
Unknown	2,357*	...	2,804*	...	1,534*♦	...	2,104*♦	...	3,645*	...	3,155*	...
Region												
▶ Northeast	1,521	1,947	1,582	2,020	1,480	1,939	1,487	1,961	1,574	2,061	1,561	2,058
South	766.0*	983.0	745.0*	971.2	701.2*	912.4	735.0*	960.7	740.1*	965.8	738.4*	993.8
Midwest	1,339*	1,698	1,368*	1,720	1,375*	1,745	1,442*	1,827	1,398*	1,798	1,400*	1,840
West	959.7*	1,258	941.5*	1,238	981.4*	1,300	1,009*	1,347	1,007*	1,352	1,046*	1,357

... 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 3-20. Hospital outpatient visits by privately insured individuals for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=41,467)		2003 (N=41,224)		2004 (N=41,147)		2005 (N=46,765)		2006 (N=35,798)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	968.0	2,822	860.7	2,563	840.9	2,479	899.9	2,421	702.7	2,239
Age										
40-44	27.7*		44.5*		47.2*		41.0*		41.7*	
45-54	418.8*		444.7*		397.3*		393.0*		378.1*	
55-64	3,043*		2,759*		2,512*		2,518*		2,373*	
▶ 65-74	9,018		7,517		7,175		6,898		6,221	
75-84	7,466*		7,384*		7,844*		7,495*		6,949*	
85+	...		3,320*		3,088*		3,730*		3,647*	
Race/ethnicity										
▶ White	1,196	3,174	1,018	2,792	872.1	2,540	906.9	2,432	718.8	2,155
Black	2,214*	3,991	2,118*	4,292	1,712*	3,842	1,813*	3,614	1,160*	3,204
Hispanic	546.3*	1,782	505.7*	1,949	451.4*	1,786	473.0*	1,728	347.0*	1,597
Asian	365.6*	2,102	327.2*	1,429	357.7*	1,448	290.3*	1,572	201.8*	1,041
Other	782.5*	3,315	646.8*	2,863	436.0*	1,694	522.7*	1,549	468.8*	1,878
Unknown	1,094*	...	982.7*	...	833.7*	...	806.3*	...	806.8*	...
Missing	792.5*	...	648.1*	...	817.4*	...	1,092*	...	831.0*	...
Region										
Northeast	1,311*	3,382	1,080*	2,970	1,156*	3,135	1,170	3,029	1,008*	3,300
South	832.3*	2,499	730.7*	2,196	700.9*	2,098	749.4*	2,141	555.6*	1,777
▶ Midwest	1,223	3,331	1,146	3,173	1,066	2,908	1,148	2,846	819.9	2,614
West	467.4*	1,750	406.1*	1,683	515.6*	1,894	634.8*	1,779	697.1*	1,986

... 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 3-21. Nationally representative hospital outpatient visits for prostate cancer listed as primary diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	922,113
Age	
40-44	14,449
45-54	64,190
55-64	210,437
65-74	297,934
75-84	269,291
85+	65,812
Race/ethnicity	
White	673,491
Black	236,848
Hispanic	11,452
Other	322
Region	
Northeast	289,853
South	380,564
Midwest	233,283
West	18,413

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

Table 3-22. Ambulatory surgery center visits by Medicare beneficiaries for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=31,280)		2003 (N=29,760)		2004 (N=27,400)		2005 (N=28,480)		2006 (N=28,260)		2007 (N=29,980)	
	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	231.7	294.5	220.5	281.9	211.5	276.8	224.3	292.6	234.3	306.9	251.6	332.4
Under 65/65+												
< 65 Years	42.9*	42.9	41.6*	41.6	28.3*	28.3	42.8*	42.8	41.7*	41.7	43.8*	43.8
▶ 65+ Years	293.9	294.5	280.6	281.9	274.1	276.8	288.5	292.6	303	306.9	328.3	332.4
Age												
▶ 65-69	236.6		258.1		215.8		268		250.3		298	
70-74	351.4*		331*		338.2*		327.2*		381.7*		397.3*	
75-79	360.6*		317.1*		325.3*		346.7*		359.6*		372.8*	
80-84	285*		242.2*		300.4*		229.6*		271.9*		292.3*	
85-89	199.2*		210.5*		167.7*		257.7*		232.6*		242.8*	
90-94	171.4**		154.6**		101.8**		158.7**		187.8**		220.3*	
95-97	53.9**		207.7**		252.7**		95**		95.6**		93.3**	
98+	44.2**		...		...		...		...		0**	
Race/ethnicity												
▶ White	237.3	294.9	219.8	274.3	209.2	267.6	224.5	287.7	237.7	304.9	250.9	323.9
Black	233.5*	370.6	250.5*	391.3	239.6*	389.1	269.8*	434.6	276.8*	441.3	316.3	516.7
Hispanic	122.8**	162.3	167.7**	327.2	138.5**	184.5	122.7**	160.2	47.9**	114.6	117.4**	192.7
Asian	122.3**	133.1	88.2**	93.5	116.7**	145.2	86.3**	104.6	139.5**	150.8	117.7**	147.3
Other	142.9**	251.6	208.1*	324.7	291.1*	464.5	186.1*	248.6	141.2**	222.7	220.1*	336.7
Unknown	380.2**	...	721.2**	...	511.3**	...	545.6**	...	497.1**	...	350.6**	...
Region												
▶ Northeast	262.5	330.7	231.2	291.4	205.6	262.7	217.7	284.8	210.5	271	232.7	303.8
South	229.6*	296.3	217.6*	285.8	223.3*	297	237.6*	309.6	262.4*	353.8	296.4*	401
Midwest	266.8*	333.4	245.5*	303.1	246.1*	314.9	258.4*	333.1	256.1*	324.8	264.9*	342.5
West	149.2*	188	179.1*	230.1	142.5*	192	155.6*	204.1	168.4*	221.7	158.5*	206.5

... 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 3-23. Ambulatory surgery center visits by privately insured individuals for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=393)		2003 (N=425)		2004 (N=546)		2005 (N=756)		2006 (N=756)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	9.2	24.3	8.9	24.9	11.2	30.3	14.5	36.9	14.8	46.1
Age										
40-44	2.0 ^{*♦}		0.8 ^{*♦}		1.7 ^{*♦}		1.4 ^{*♦}		2.1 ^{*♦}	
45-54	5.3 [*]		5.7 [*]		6.2 [*]		7.3 [*]		9.2 [*]	
55-64	35.7 [*]		31.7 [*]		37.8 [*]		48.7 [*]		48.6 [*]	
▶ 65-74	70.8		64.0		88.3		91.5		132.4	
75-84	40.5 [*]		62.5 [*]		71.0 [*]		110.5 [*]		136.4 [*]	
85+	...		54.9 ^{*♦}		30.2 ^{*♦}		19.7 ^{*♦}		41.3 ^{*♦}	
Race/ethnicity										
▶ White	11.3	27.4	10.9	28.1	11.6	31.3	14.7	36.0	16.4	48.8
Black	17.6 ^{*♦}	39.5	16.0 ^{*♦}	32.1	12.0 ^{*♦}	33.0	22.7 [*]	56.9	26.9 [*]	92.0
Hispanic	0.6 ^{*♦}	41.8	2.7 ^{*♦}	13.0	4.6 ^{*♦}	18.8	5.6 ^{*♦}	24.0	5.1 ^{*♦}	23.9
Asian	...	...	4.0 ^{*♦}	55.8	1.4 ^{*♦}	25.2	4.6 ^{*♦}	20.3	5.1 ^{*♦}	74.9
Other	4.7 ^{*♦}	46.3	...	...	11.4 ^{*♦}	83.9	8.4 ^{*♦}	40.6	12.3 ^{*♦}	51.6
Unknown	10.5 ^{*♦}	...	8.0 ^{*♦}	...	13.2 [*]	...	8.6 ^{*♦}	...	14.9 [*]	...
Missing	8.1 [*]	...	7.3 [*]	...	13.8 [*]	...	23.5 [*]	...	12.5 [*]	...
Region										
Northeast	10.3	25.3	8.0	24.6	7.4 [*]	18.7	8.7	25.3	8.2 [*]	35.0
South	10.5	29.0	10.9 [*]	32.5	12.6	39.6	20.1 [*]	57.4	18.1 [*]	56.5
▶ Midwest	8.8	21.8	8.0	20.6	11.6	27.3	10.7	24.3	13.2	56.7
West	5.1 ^{*♦}	14.5	5.0 [*]	18.3	8.6 [*]	28.0	10.2 [*]	33.7	13.2 [*]	35.7

... 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 3-24. Nationally representative ambulatory surgery center visits for prostate cancer listed as primary diagnosis, count, rate^a

	Count	Rate
Total	74,691	70.2
Age		
45-54	4,158	19.8*
55-64	12,095	81.3*
▶ 65-74	38,789	455.0
75-84	17,088	320.6*
85+	2,561	192.7*

▶ 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 3-25. Physician office visits by Medicare beneficiaries for prostate cancer listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=2,757,740)		2003 (N=2,817,160)		2004 (N=2,652,460)		2005 (N=2,588,400)		2006 (N=2,561,000)		2007 (N=2,544,420)	
	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	17,658	23,293	17,525	23,184	16,192	21,469	15,695	20,970	15,767	21,046	15,660	21,039
Under 65/65+												
< 65 Years	1,450*	1,450	1,508*	1,508	1,481*	1,481	1,506*	1,506	1,542*	1,542	1,544*	1,544
▶ 65+ Years	23,004	23,293	22,907	23,184	21,225	21,469	20,705	20,970	20,842	21,046	20,870	21,039
Age												
▶ 65-69	12,171		12,137		11,412		11,078		11,390		11,490	
70-74	20,475*		20,343*		19,256*		18,632*		18,734*		19,171*	
75-79	29,549*		29,299*		26,099*		25,725*		25,720*		25,791*	
80-84	35,104*		34,881*		32,695*		31,143*		31,601*		30,455*	
85-89	37,338*		37,568*		34,881*		35,601*		34,261*		34,339*	
90-94	33,525*		33,122*		31,710*		31,129*		31,851*		32,775*	
95-97	21,659*		24,351*		22,991*		25,071*		24,486*		22,341*	
98+	5,261*		7,105*		6,392*		5,647*		5,105*		7,192*	
Race/ethnicity												
▶ White	17,877	23,159	17,672	22,935	16,338	21,251	15,846	20,745	15,900	20,777	15,849	20,830
Black	18,488*	30,518	18,668*	31,052	17,232*	28,701	17,113*	29,141	17,588*	30,158	17,412*	30,172
Hispanic	12,050*	16,045	12,491*	16,239	11,131*	14,432	10,263*	13,986	10,014*	13,421	9,612*	13,560
Asian	10,373*	10,307	11,299*	11,266	10,248*	10,446	9,990*	10,316	9,652*	10,502	9,674*	10,280
Other	13,187*	21,092	13,593*	21,598	13,285*	19,987	11,562*	17,642	11,487*	17,491	10,653*	16,033
Unknown	32,471*	...	36,058*	...	29,584*	...	29,618*	...	29,080*	...	25,679*	...
Region												
▶ Northeast	21,355	28,150	21,267	28,138	19,616	25,925	18,728	24,929	18,441	24,318	18,253	24,307
South	18,088*	24,002	18,043*	23,992	16,624*	22,151	16,173*	21,708	16,376*	22,004	16,561*	22,385
Midwest	15,158*	19,514	15,031*	19,396	14,062*	18,168	13,885*	18,055	14,143*	18,484	13,681*	17,975
West	16,166*	21,739	15,821*	21,399	14,542*	19,793	13,965*	19,251	13,880*	19,106	13,712*	18,949

... 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 3-26. Physician office visits by privately insured individuals for prostate cancer listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=117,329)		2003 (N=121,549)		2004 (N=134,497)		2005 (N=159,165)		2006 (N=131,751)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	2,739	8,206	2,538	8,177	2,749	8,640	3,063	8,663	2,586	9,084
Age										
40-44	130.0*		121.8*		119.5*		144.7*		168.0*	
45-54	1,185*		1,091*		1,133*		1,168*		1,288*	
55-64	7,837*		7,177*		7,537*		7,838*		7,909*	
▶ 65-74	21,988		20,170		20,733		20,912		22,113	
75-84	31,005*		31,150*		34,225*		33,470*		36,107*	
85+	...		27,168*		27,916*		26,930*		24,936*	
Race/ethnicity										
▶ White	3,318	9,064	3,106	9,398	2,867	8,970	3,164	9,024	2,881	9,719
Black	5,310*	9,483	4,847*	9,978	4,383*	9,792	4,927*	9,809	3,523*	10,445
Hispanic	1,948*	6,516	1,820*	7,110	1,596*	6,561	1,402*	5,194	1,215*	5,177
Asian	1,202*	5,290	989.6*	4,330	932.3*	4,009	1,115*	4,835	756.5*	4,291
Other	2,137*	5,705	1,713*	5,735	1,947*	6,222	2,174*	6,352	1,814*	6,730
Unknown	2,942*	...	2,904*	...	2,936*	...	3,028*	...	2,659*	...
Missing	2,306*	...	1,834*	...	2,767*	...	3,624*	...	2,207*	...
Region										
Northeast	3,716*	9,699	3,317*	9,637	3,341*	9,746	3,409*	9,680	2,989*	10,253
South	2,911*	8,964	2,728*	8,876	2,826*	9,348	3,163*	9,630	2,650*	9,898
▶ Midwest	2,560	7,257	2,350	7,112	2,696	7,730	2,938	7,521	2,195	7,727
West	1,843*	7,046	1,705*	7,617	2,118*	8,085	2,754*	8,209	2,842*	8,688

... 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 3-27. Nationally representative physician office visits for prostate cancer listed as any diagnosis, 2002-2007 (merged), 6-year count

	6-Year Count
Total	23,681,506
Age	
40-44	124,208
45-54	883,637
55-64	3,985,315
65-74	7,136,967
75-84	8,608,270
85+	2,943,109
Race/ethnicity	
White	18,816,152
Black	3,798,481
Hispanic	1,066,873
Region	
Northeast	5,343,422
South	9,327,881
Midwest	4,432,098
West	4,578,105

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

Table 3-28. Emergency room visits by Medicare beneficiaries for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=3,660)		2003 (N=2,800)		2004 (N=2,780)		2005 (N=2,740)		2006 (N=2,140)		2007 (N=2,340)	
	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	23.4	28.7	17.4	22.7	17.0	21.6	16.6	20.9	13.2	16.6	14.4	19.4
Under 65/65+												
< 65 Years	5.7* [♦]	5.7	1.0* [♦]	1.0	3.8* [♦]	3.8	4.2* [♦]	4.2	2.3* [♦]	2.3	3.2* [♦]	3.2
▶ 65+ Years	29.3	28.7	22.9	22.7	21.5	21.6	21.0	20.9	17.0	16.6	18.5	19.4
Age												
▶ 65-69	12.7* [♦]		8.5* [♦]		11.4* [♦]		6.7* [♦]		8.3* [♦]		8.3* [♦]	
70-74	20.8*		15.6* [♦]		14.4* [♦]		14.5* [♦]		10.2* [♦]		14.5* [♦]	
75-79	45.0*		29.7*		28.9*		25.5*		13.5* [♦]		17.4* [♦]	
80-84	52.6*		39.5*		30.2* [♦]		35.7*		33.8* [♦]		34.4* [♦]	
85-89	30.0* [♦]		50.0* [♦]		48.3* [♦]		55.6* [♦]		44.5* [♦]		54.7* [♦]	
90-94	85.7* [♦]		48.8* [♦]		39.2* [♦]		60.5* [♦]		45.1* [♦]		14.7* [♦]	
95-97	0.0* [♦]		207.7* [♦]		50.5* [♦]		95.0* [♦]		143.5* [♦]		0.0* [♦]	
98+	0.0* [♦]		...		42.9* [♦]		0.0* [♦]		0.0* [♦]		0.0* [♦]	
Race/ethnicity												
▶ White	24.5	30.3	18.0	23.0	16.0	20.8	16.9	21.1	11.0	14.0	13.0	17.9
Black	22.6* [♦]	28.6	16.7* [♦]	30.5	23.8* [♦]	32.2	15.0* [♦]	25.6	30.5* [♦]	44.0	20.5* [♦]	30.4
Hispanic	6.5* [♦]	7.5	18.6* [♦]	33.9	24.1* [♦]	71.9	17.5* [♦]	27.0	35.9* [♦]	86.6	17.6* [♦]	40.3
Asian	0.0* [♦]	0.0	0.0* [♦]	0.0	8.3* [♦]	22.5	7.8* [♦]	0.0	7.8* [♦]	11.3	22.1* [♦]	46.0
Other	7.1* [♦]	12.9	6.5* [♦]	9.9	18.6* [♦]	35.4	17.4* [♦]	20.1	5.6* [♦]	8.9	21.5* [♦]	23.9
Unknown	76.0* [♦]	...	0.0* [♦]	...	73.0* [♦]	...	0.0* [♦]	...	0.0* [♦]	...	175.3* [♦]	...
Region												
▶ Northeast	17.9* [♦]	23.5	9.8* [♦]	13.2	14.9* [♦]	18.0	12.3* [♦]	13.9	7.2* [♦]	6.2	8.5* [♦]	11.3
South	20.8*	22.4	13.8*	19.0	18.2*	23.3	13.1*	16.0	14.6*	19.5	14.0*	19.4
Midwest	37.8*	48.1	32.5*	39.6	18.8*	24.6	18.2*	22.9	17.0*	21.3	17.3*	21.3
West	14.4* [♦]	19.3	12.3* [♦]	15.5	14.0* [♦]	17.1	26.5*	36.7	11.0* [♦]	14.6	17.5* [♦]	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 3-29. Emergency room visits by privately insured individuals for prostate cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=156)		2003 (N=789)		2004 (N=788)		2005 (N=624)		2006 (N=726)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	3.6	12.7	16.5	39.8	16.1	37.3	12.0	32.6	14.3	34.4
Age										
40-44	...		0.3 ^{*♦}		0.3 ^{*♦}		...		0.5 ^{*♦}	
45-54	4.2 [*]		14.8 [*]		9.0 [*]		5.3 [*]		3.8 [*]	
55-64	8.0 [*]		74.1		81.0		58.2 [*]		72.0 [*]	
▶ 65-74	22.0		83.5		74.4		39.0		93.8	
75-84	42.6 [*]		52.7 [*]		44.9 [*]		36.8 [*]		25.1 ^{*♦}	
85+	...		68.6 ^{*♦}		60.5 ^{*♦}		131.3 [*]		56.7 ^{*♦}	
Race/ethnicity										
▶ White	2.7	7.6	10.5	31.5	8.4	21.5	8.1	21.6	4.8	14.3
Black	9.4 ^{*♦}	41.3	90.5 [*]	230.2	53.4 [*]	135.6	38.4 [*]	91.5	88.2 [*]	214.7
Hispanic	1.8 ^{*♦}	14.8	29.5 [*]	119.9	20.5 [*]	84.7	14.3 [*]	61.6	19.8 [*]	78.7
Asian	1.5 ^{*♦}	18.0	2.0 ^{*♦}	26.5	...	...	...	...	...	...
Other	...	...	9.8 ^{*♦}	97.6	6.8 ^{*♦}	69.0	12.5 ^{*♦}	43.9	12.3 ^{*♦}	114.2
Unknown	1.9 ^{*♦}	...	8.5 ^{*♦}	...	5.8 ^{*♦}	...	5.6 ^{*♦}	...	4.8 ^{*♦}	...
Missing	4.5 [*]	...	18.7 [*]	...	45.3 [*]	...	29.3 [*]	...	48.0 [*]	...
Region										
Northeast	7.2 [*]	20.0	5.2 [*]	16.7	3.1 [*]	13.1	3.8 [*]	25.3	0.4 ^{*♦}	2.8
South	3.6	11.6	31.8 [*]	72.1	33.2 [*]	74.3	23.4 [*]	60.4	30.2 [*]	75.8
▶ Midwest	3.4	12.5	5.4	20.7	3.2	9.7	3.9	13.3	1.6 [*]	6.0
West	1.5 ^{*♦}	20.2	2.4 ^{*♦}	8.1	0.5 ^{*♦}	4.0	0.4 ^{*♦}	1.6	1.4 ^{*♦}	10.1

... 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.