

CHAPTER 10
Testicular Cancer

Table 10-1. Codes used in the diagnosis and management of testicular cancer*Males with one or more of the following:**ICD-9 diagnosis codes*

186	Malignant neoplasm of testis
186.0	Malignant neoplasm of undescended testis
186.9	Malignant neoplasm of other and unspecified testis

CPT procedure codes

54530	Orchiectomy, radical, for tumor; inguinal approach
54535	Orchiectomy, radical, for tumor; with abdominal exploration

Table 10-2. Estimated new testicular cancer cases and deaths in the United States, 2011

	Estimated New Cases	Estimated New Deaths
Total	8,290	350

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

Table 10-3. Incidence rates^a of testicular cancer, by race/ethnicity and age, age-adjusted

Year of Diagnosis	All Males			White Males			Black Males		
	All	< 50	50+	All	< 50	50+	All	< 50	50+
1975	3.7	4.2	2.4	4.2	4.7	2.7	...	...	...
1976	3.4	4.2	1.5	3.8	4.6	1.7	...	...	...
1977	4.3	5.1	2.2	4.9	5.8	2.4	...	...	...
1978	3.6	4.3	1.8	4.0	4.7	2.1	...	...	...
1979	3.9	4.5	2.2	4.3	5.1	2.3	...	...	...
1980	4.4	5.3	1.9	4.9	6.0	2.1	...	...	...
1981	4.2	5.1	1.9	4.8	5.8	2.1	...	...	...
1982	4.4	5.2	2.3	5.0	6.0	2.4	...	...	...
1983	4.6	5.5	2.2	5.2	6.3	2.4	...	...	...
1984	4.4	5.4	1.9	5.1	6.2	2.1	...	...	...
1985	4.5	5.5	1.8	5.1	6.3	2.1	...	...	...
1986	4.8	5.8	2.2	5.6	6.8	2.4	...	...	...
1987	5.1	6.3	1.9	5.7	7.1	1.9	...	...	...
1988	4.6	5.8	1.5	5.5	6.9	1.7	...	...	...
1989	5.5	6.7	2.2	6.3	7.8	2.5	...	...	...
1990	5.1	6.3	2.0	6.0	7.4	2.3	...	...	...
1991	5.1	6.2	2.1	5.8	7.1	2.3	...	...	...
1992	5.2	6.4	1.8	6.1	7.7	2.0	...	...	...
1993	5.1	6.4	1.7	6.0	7.5	1.9	...	...	...
1994	5.5	6.8	2.1	6.3	7.8	2.3	1.2	1.5	...
1995	4.6	5.6	1.9	5.3	6.5	2.1	1.5	1.9	...
1996	5.3	6.6	1.7	6.2	7.9	1.9	...	...	...
1997	5.4	6.5	2.4	6.3	7.7	2.6	1.3	...	...
1998	5.6	7.1	1.6	6.6	8.4	1.8	1.5	2.0	...
1999	5.5	6.8	1.8	6.3	8.0	2.0	1.6	2.0	...
2000	5.7	7.2	2.0	6.7	8.4	2.3	1.5	1.9	...
2001	5.5	6.8	2.0	6.5	8.1	2.2	1.7	1.8	...
2002	5.7	7.2	2.0	6.9	8.6	2.3	1.4	1.8	...
2003	5.3	6.6	1.8	6.4	8.1	1.9	1.1	...	...
2004	5.9	7.2	2.3	7.2	9.0	2.6	1.0	...	...
2005	5.9	7.4	2.1	7.1	8.9	2.3	1.0	1.3	...
2006	5.5	6.8	2.1	6.6	8.2	2.4	1.6	1.6	...
2007	5.9	7.2	2.3	7.0	8.7	2.6	1.4	1.4	...
2008	5.9	7.1	2.7	7.1	8.6	2.9	1.4	1.6	...
1975-2008	5.1	6.2	2.0	5.9	7.3	2.3	1.1	1.3	0.7

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

^aBased on the SEER 9 areas. 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 10-4. Incidence rates^a for testicular 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	1.0	0.9	...
1-4	0.4	0.4	...
5-9	...	...	...
10-14	0.3	0.3	...
15-19	3.7	4.5	...
20-24	10.1	12.1	1.4
25-29	13.5	16.2	2.2
30-34	13.1	15.7	3.4
35-39	10.9	12.9	2.2
40-44	9.0	10.5	2.4
45-49	6.2	7.2	1.8
50-54	4.6	5.2	1.7
55-59	2.8	3.2	...
60-64	1.7	1.8	...
65-69	1.4	1.6	...
70-74	1.0	1.1	...
75-79	0.9	1.0	...
80-84	1.0	1.1	...
85+	1.3	1.4	...
Age-Adjusted Rates			
Age at Diagnosis/ Death			
All ages	5.5	6.5	1.3
Under 65	6.1	7.2	1.4
65 and over	1.1	1.2	...
All ages ^b	5.2	6.1	1.2

... 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 10-5. Age-adjusted incidence rates^a and trends^b for testicular cancer, by race/ethnicity

Race/ethnicity	Rate 2004-2008 Rate per 100,000	Trend 1999-2008 AAPC ^c (%)
All Races	5.5	1.1*
White	6.5	1.2*
White Hispanic ^d	4.5	2.3*
White Non-Hispanic ^d	7.2	1.4*
Black	1.3	-0.3
Asian/Pacific Islander	1.9	0.9
American Indian/ Alaska Native ^e	3.8	...
Hispanic ^d	4.4	2.4*

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

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

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

Trend based on less than 10 cases for at least one year within the time interval.

^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 10-6. Estimated testicular 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	39,225	36,242	31,402	28,539	21,720	15,555	126,678	184,341	16,546	200,887
White ^b	36,888	33,945	29,897	27,400	21,006	15,058	119,463	175,171	15,886	191,057
Black ^b	923	1,006	600	372	320	225	2,829	3,687	157	3,844
Asian/Pacific Islander ^c	687	615	477	...	...	...	2,034	...	...	...
Hispanic ^d	4,083	3,121	3,435	...	...	...	10,639	...	...	...

... 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 10-7. Risk of being diagnosed with testicular cancer in 10, 20 and 30 years, lifetime risk of being diagnosed with cancer given alive and cancer-free at current age, by race/ethnicity

Current Age	All Males			Eventually
	> 10 years	> 20 years	> 30 years	
0	0.00	0.03	0.14	0.37
10	0.02	0.13	0.25	0.37
20	0.11	0.23	0.30	0.35
30	0.12	0.19	0.22	0.25
40	0.07	0.11	0.12	0.13
50	0.04	0.05	0.06	0.06
60	0.01	0.02	0.03	0.03
70	0.01	0.01	...	0.01
80	0.01	...	...	0.01
Lifetime Risk of Being Diagnosed = 0.37		Lifetime Risk of Dying = 0.02		

Current Age	White Males			Eventually
	> 10 years	> 20 years	> 30 years	
0	0.00	0.03	0.16	0.44
10	0.03	0.16	0.30	0.44
20	0.13	0.27	0.35	0.42
30	0.14	0.22	0.26	0.29
40	0.08	0.12	0.14	0.15
50	0.04	0.06	0.06	0.07
60	0.02	0.02	0.03	0.03
70	0.01	0.01	...	0.02
80	0.01	...	...	0.01
Lifetime Risk of Being Diagnosed = 0.44		Lifetime Risk of Dying = 0.02		

Current Age	Black Males			Eventually
	> 10 years	> 20 years	> 30 years	
0	0.00	0.01	0.03	0.09
10	0.01	0.02	0.05	0.09
20	0.02	0.05	0.06	0.08
30	0.03	0.05	0.06	0.07
40	0.02	0.03	0.03	0.04
50	0.01	0.02	0.02	0.02
60	0.01	0.01	0.01	0.01
70	0.01	0.01	...	0.01
80	0.00	...	...	0.00
Lifetime Risk of Being Diagnosed = 0.09		Lifetime Risk of Dying = 0.01		

... 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 10-8. Stage at diagnosis for testicular cancer 2001-2007,^a total case counts, estimated case counts, and percentages

Stage at Diagnosis	All Males		
	All	< 50	50+
All Stages	14,025 (100%)	12,661 (100%)	1,364 (100%)
Localized	9,818 (70%)	8,863 (70%)	955 (70%)
Regional	2,384 (17%)	2,152 (17%)	218 (16%)
Distant	1,683 (12%)	1,519 (12%)	150 (11%)
Unstaged	140 (1%)	127 (1%)	41 (3%)

Stage at Diagnosis	White Males		
	All	< 50	50+
All Stages	12,880 (100%)	11,628 (100%)	1,252 (100%)
Localized	9,016 (70%)	8,140 (70%)	876 (70%)
Regional	2,190 (17%)	1,977 (17%)	200 (16%)
Distant	1,417 (11%)	1,279 (11%)	138 (11%)
Unstaged	129 (1%)	116 (1%)	38 (3%)

Stage at Diagnosis	Black Males		
	All	< 50	50+
All Stages	377 (100%)	339 (100%)	38 (100%)
Localized	222 (59%)	203 (60%)	20 (53%)
Regional	79 (21%)	68 (21%)	9 (24%)
Distant	72 (19%)	64 (19%)	6 (16%)
Unstaged	8 (2%)	3 (1%)	3 (8%)

^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/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 10-9. Survival (%) for testicular cancer, by race, diagnosis year, stage, and age

	All Males			White Males			Black Males		
	All	< 50	50+	All	< 50	50+	All	< 50	50+
5-Year Relative Survival (%)									
Year of Diagnosis									
1960-1963 ^a	...	...	...	63.0	...	...	...	...	...
1970-1973 ^a	...	...	...	72.0	...	...	...	...	...
▶ 1975-1977 ^b	82.7	83.3	77.7	82.6	83.3	77.4	...	...	...
1978-1980 ^b	88.9	89.5	82.4	89.2	89.8	83.4	73.2 ^c	78.0 ^c	...
1981-1983 ^b	92.2	92.7	86.3	92.4	92.9	86.4	87.7 ^c	84.7 ^c	...
1984-1986 ^b	92.6	93.6	80.5	93.0	94.0	80.7	87.0 ^c	89.4 ^c	...
1987-1989 ^b	95.1	95.0	95.7	95.4	95.3	95.3	88.4 ^c	87.8 ^c	...
1990-1992 ^b	95.8	95.8	93.8	96.2	96.1	94.7	83.5 ^c	...	...
1993-1995 ^b	95.7	96.2	86.6	96.0	96.5	87.8	88.0	89.4	...
1996-2000 ^b	95.7	96.3	88.7	95.9	96.4	88.9	90.6	90.9	...
2001-2007 ^b	96.4 [*]	96.8 [*]	93.0 [*]	97.0 [*]	97.1 [*]	93.9 [*]	85.9	86.8	...
5-Year Relative Survival (%), 2001-2007^d									
Stage at Diagnosis									
All Stages	95.3	95.6	91.8	95.7	95.9	93.0	86.5	87.8	72.5 ^c
Localized	99.0	99.2	96.9	99.1	99.3	97.3	98.5	98.6	...
Regional	96.2	96.0	96.5	96.9	96.5	97.9	84.9	88.4	...
Distant	72.0	73.1	60.2	73.0	74.1	61.3	51.1 ^c	50.8 ^c	...
Unstaged	85.5	91.9	59.0 ^c	87.1	92.4	63.1 ^e	...	...	...
Age at Diagnosis									
<45	95.7	...	...	96.0	...	...	87.8	...	...
45-54	95.6	...	...	96.1	...	...	84.1 ^c	...	...
55-64	90.4	...	...	91.1	...	...	...	...	...
65-74	86.8	...	...	84.8	...	...	...	...	...
75+	58.1 ^e	...	...	67.3 ^e	...	...	...	...	...
<65	95.5	...	...	95.9	...	...	86.6	...	...
65+	78.3 ^c	...	...	81.3 ^c	...	...	...	...	...

... 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.

^cThe standard error is between 5 and 10 percentage points.

^dBased 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/SJM/LA, Kentucky, Louisiana and New Jersey). Based on follow-up of patients into 2008.

^eThe standard error is greater than 10 percentage points.

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 10-10. Relative survival^a (%) for testicular cancer, by year of diagnosis, all races

Survival Time	1975-	1980-	1985-																		
	1979	1984	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
1-year	93.4	96.1	98.1	98.2	98.5	98.0	96.6	97.7	98.3	97.9	97.4	98.2	96.9	97.9	98.5	98.2	98.5	97.9	98.3	98.9	99.0
2-year	88.6	92.7	96.1	96.7	97.0	96.7	95.7	96.5	97.4	96.4	95.6	96.6	96.3	96.7	97.4	97.1	96.8	96.5	97.3	98.5	
3-year	86.5	92.1	95.5	96.2	96.1	95.5	95.0	95.9	96.4	95.8	95.1	96.2	95.7	95.9	97.1	96.8	96.5	95.7	97.1		
4-year	85.6	91.5	94.9	96.1	95.7	95.4	94.9	95.9	96.3	95.8	94.8	96.1	95.6	95.9	96.8	96.7	96.3	95.3			
5-year	85.0	91.2	94.7	96.1	95.7	95.3	94.8	95.7	96.3	95.8	94.8	95.8	95.6	95.9	96.5	96.2	96.0				
6-year	84.7	91.0	94.5	95.8	95.5	94.9	94.8	95.7	96.3	95.8	94.7	95.4	95.5	95.9	96.0	96.0					
7-year	84.5	90.7	94.3	95.7	95.4	94.6	94.8	95.5	96.3	95.8	94.7	95.2	95.5	95.9	96.0						
8-year	84.4	90.5	94.0	95.6	95.2	94.0	94.8	94.8	96.3	95.8	94.7	95.2	95.4	95.9							
9-year	84.4	90.1	93.9	95.5	95.0	94.0	94.5	94.8	96.2	95.8	94.7	95.2	95.1								
10-year	83.6	89.9	93.7	95.4	94.7	93.9	94.5	94.8	96.1	95.8	94.7	94.5									
11-year	83.1	89.7	93.6	95.3	94.7	93.8	94.5	94.8	96.1	95.8	94.7										
12-year	82.8	89.7	93.5	94.9	94.5	93.8	94.5	94.7	96.1	95.8											
13-year	82.5	89.3	93.2	94.9	94.5	93.8	94.5	94.6	96.0												
14-year	81.9	88.8	93.0	94.9	94.5	93.6	94.5	94.5													
15-year	81.6	88.5	93.0	94.9	94.4	93.5	94.5														
16-year	81.1	88.0	92.8	94.9	94.4	92.9															
17-year	80.5	87.7	92.6	94.7	94.4																
18-year	79.9	87.5	92.6	94.7																	
19-year	79.3	87.3	92.4																		
20-year	79.2	86.9																			

^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 10-11. Age-adjusted mortality rates^a for testicular cancer, by year, race, and gender

	All Males			White Males			Black Males		
	All	<50	50+	All	<50	50+	All	<50	50+
Year of Death									
1975	0.7	0.8	0.7	0.8	0.8	0.8	0.2	...	...
1976	0.7	0.7	0.7	0.8	0.8	0.7	0.4	0.2	...
1977	0.7	0.7	0.6	0.7	0.7	0.7	0.2	...	...
1978	0.6	0.6	0.5	0.6	0.6	0.6	0.2	0.2	...
1979	0.5	0.5	0.6	0.5	0.5	0.6	0.4	0.3	...
1980	0.5	0.4	0.5	0.5	0.5	0.5	0.2	...	...
1981	0.4	0.4	0.4	0.4	0.4	0.4	0.2	...	...
1982	0.4	0.4	0.4	0.4	0.4	0.4	0.2	...	...
1983	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	...
1984	0.4	0.3	0.4	0.4	0.4	0.4	0.2	...	...
1985	0.4	0.3	0.4	0.4	0.4	0.4	0.2	...	...
1986	0.3	0.3	0.3	0.4	0.4	0.4	0.2	...	...
1987	0.3	0.4	0.3	0.4	0.4	0.3	0.2	0.2	...
1988	0.3	0.3	0.4	0.4	0.3	0.4	0.2	...	...
1989	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	...
1990	0.3	0.3	0.2	0.3	0.3	0.2	...	...	...
1991	0.3	0.3	0.3	0.3	0.3	0.3	0.2	...	...
1992	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.2	...
1993	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	...
1994	0.3	0.3	0.2	0.3	0.3	0.2	0.1	0.1	...
1995	0.2	0.2	0.2	0.3	0.3	0.3	...	...	...
1996	0.3	0.3	0.3	0.3	0.3	0.3	0.1	...	...
1997	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	...
1998	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	...
1999	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	...
2000	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	...
2001	0.2	0.2	0.3	0.3	0.3	0.3	0.2	...	...
2002	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	...
2003	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.1	...
2004	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	...
2005	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.2	...
2006	0.3	0.2	0.3	0.3	0.3	0.3	0.1	0.2	...
2007	0.2	0.2	0.2	0.2	0.2	0.3	0.1	...	...
2008	0.2	0.2	0.3	0.3	0.2	0.3	0.1	0.1	...
1975-2008	0.3	0.3	0.3	0.4	0.4	0.4	0.2	0.2	0.3
Age at Death									
All ages	0.2	...	...	0.3	...	...	0.1	...	...
Under 65	0.2	...	...	0.3	...	...	0.1	...	...
65 and over	0.3	...	...	0.3	...	...	...	...	...
All ages ^b	0.2	...	...	0.2	...	...	0.1	...	...

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

^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 10-12. Age-adjusted mortality^a rates^b and trends^c for testicular cancer, by race/ethnicity

Race/ethnicity	Rate 2004-2008 Rate per 100,000	Trend 1999-2008 AAPC ^d (%)
All Races	0.2	-0.9*
White	0.3	-1.0*
White Hispanic ^e	0.3	0.1
White Non-Hispanic ^e	0.3	-1.0*
Black	0.1	0.5
Asian/Pacific Islander	0.1	...
American Indian/Alaska Native		
Total U.S.	...	...
CHSDA ^f Counties	...	...
Non-CHSDA ^f Counties	...	...
Hispanic ^e	0.3	0.3

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

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

... Statistic not shown. Trend based on less than 10 cases for at least one year within the time interval.

^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 10-13. Nationally representative inpatient stays for testicular cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=1,755)		2003 (N=1,605)		2004 (N=1,387)		2005 (N=1,608)		2006 (N=1,745)		2007 (N=1,881)	
	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	1.7	1.7	1.5	1.6	1.3	1.3	1.5	1.6	1.6	1.7	1.7	1.8
Age												
18-24	2.9		2.8		2.2		3.1		3.0		2.9	
25-34	3.1		3.0		2.1		2.7		3.2		4.1	
35-39	2.8		2.4		2.5		1.7		2.1		1.9	
40-44	1.8		1.7		1.8		1.6		1.8		1.3	
45-54	0.8		0.7		0.7		0.9		1.0		0.8	
55-64	†		†		†		0.5		0.4		0.4	
▶ 65-74	0.5		0.4		†		†		†		0.4	
75-84	†		†		†		†		†		†	
85+	†		...		†		...		†		†	
Race/ethnicity												
▶ White	1.1	1.0	1.1	1.1	1.1	1.0	1.2	1.2	1.0	1.1	1.3	1.4
Black	0.8*	1.0	0.4*	0.6	†	0.3	0.5*	0.6	0.5*	0.6	0.5*	1.1
Hispanic	†	†	2.1*	2.3	1.9*	2.2	1.6*	2.3	2.8*	3.2	2.9*	3.0
Asian	†	1.2	†	1.1	†	1.0	†	1.6	1.0*	1.3	0.7*	1.1
Other	6.0*	7.7	3.5*	5.5	†	1.8	5.0*	5.5	2.2*	3.2	3.0*	6.1
Region												
Northeast	1.9	2.2	1.2	1.4	1.4	1.5	1.7	1.9	1.3	1.4	2.7	2.9
South	2.0	2.0	1.7	1.7	1.5	1.5	1.5	1.5	1.9	1.9	1.7	1.7
▶ Midwest	1.5	1.5	1.3	1.3	1.2	1.4	1.5	1.7	1.0	1.1	0.8	1.1
West	1.4*	1.5	1.9*	2.5	1.1*	1.2	1.5*	1.6	2.1*	2.3	1.9*	2.0

... 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 10-14. Inpatient stays by privately insured individuals for testicular cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=268)		2003 (N=289)		2004 (N=268)		2005 (N=310)		2006 (N=248)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	6.3	4.9	6.0	3.9	5.5	3.8	6.0	4.6	4.9	4.4
Age										
18-24	8.0		5.5		5.1		6.0		3.9*	
25-34	7.8		8.6*		7.4*		9.0		6.1*	
35-39	7.1		9.4*		8.7*		6.9		4.3*	
40-44	6.2		7.7*		7.0*		6.9		7.3*	
45-54	4.6		3.3		3.8		3.8		5.1	
55-64	3.8*		3.1*		1.8*		3.2*		2.2*	
▶ 65-74	5.4*		2.7*		3.6*		5.6*		2.5*	
75-84	5.2*		2.5*		2.4**		3.8**		3.6**	
85+	...		...		4.3**		6.6**		10.3**	
Race/ethnicity										
▶ White	5.2	3.5	6.2	3.3	5.1	3.8	5.5	4.7	4.2	3.8
Black	3.5**	5.3	1.6**	6.4	4.4**	15.9	2.0**	6.0	1.6**	6.5
Hispanic	4.7**	36.2	6.1**	3.8	6.1**	4.7	5.8**	4.6	4.0**	4.1
Asian	...	...	7.1**	...	2.1**	9.9	1.3**	22.6	1.3**	5.0
Other	4.7**	...	...	...	2.3**	...	2.1**	...	...	...
Unknown	10.5**	...	4.9**	...	1.0**	...	3.2**	...	6.0**	...
Missing	7.2*	...	6.3*	...	9.6*	...	12.4*	...	10.9*	...
Region										
Northeast	7.9	4.8	7.8*	2.9	6.5	5.2	6.4	6.3	6.8*	7.5
South	5.3	4.6	5.8	4.4	4.8	4.1	5.5	5.5	3.9	3.3
▶ Midwest	6.4	4.7	5.6	4.2	5.9	4.2	6.2	3.8	4.9	4.8
West	7.1*	8.5	6.4*	3.3	5.7*	3.1	6.7*	3.2	6.2*	6.9

... 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 10-15. Hospital outpatient visits by Medicare beneficiaries for testicular cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=700)		2003 (N=1,140)		2004 (N=1,140)		2005 (N=960)		2006 (N=940)		2007 (N=940)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	4.5	3.1	7.1	3.9	7.0	3.6	5.8	3.8	5.8	3.8	5.8	3.9
Under 65/65+												
< 65 Years	8.3 ^{*♦}	8.3	17.3 [*]	17.3	17.2 [*]	17.2	11.6 ^{*♦}	11.6	11.7 ^{*♦}	11.7	10.0 ^{*♦}	10.0
▶ 65+ Years	3.2 [♦]	3.1	3.7 [♦]	3.9	3.4 [♦]	3.6	3.8 [♦]	3.8	3.7 [♦]	3.8	4.2 [♦]	3.9
Age												
▶ 65-69	2.2 [♦]		4.8 [♦]		4.7 [♦]		5.1 [♦]		5.2 [♦]		3.7 [♦]	
70-74	2.0 ^{*♦}		1.3 ^{*♦}		2.0 ^{*♦}		4.6 ^{*♦}		2.7 ^{*♦}		1.4 ^{*♦}	
75-79	8.2 ^{*♦}		6.4 ^{*♦}		4.0 ^{*♦}		0.8 ^{*♦}		5.9 ^{*♦}		7.0 ^{*♦}	
80-84	1.3 ^{*♦}		2.5 ^{*♦}		2.4 ^{*♦}		4.8 ^{*♦}		0.0 ^{*♦}		4.9 ^{*♦}	
85-89	0.0 ^{*♦}		...		5.1 ^{*♦}		2.5 ^{*♦}		2.5 ^{*♦}		2.4 ^{*♦}	
90-94	8.6 ^{*♦}		8.1 ^{*♦}		...		0.0 ^{*♦}		...		22.0 ^{*♦}	
95-97	...		0.0^{*♦}		...		...		...		...
Race/ethnicity												
▶ White	3.3 [♦]	2.1	6.5	3.6	6.1	3.1	4.7	3.2	5.3	3.1	4.7	2.3
Black	15.9 ^{*♦}	28.8	12.8 ^{*♦}	24.2	13.8 ^{*♦}	16.2	15.0 ^{*♦}	16.1	12.7 ^{*♦}	19.3	17.9 ^{*♦}	73.5
Hispanic	6.5 ^{*♦}	0.0	6.2 ^{*♦}	...	18.1 ^{*♦}	179.5	0.0^{*♦}	...	...	...	0.0 ^{*♦}	...
Asian	...	...	8.8 ^{*♦}	...	8.3 ^{*♦}	0.0	7.8^{*♦}	...	...	...	...	...
Other	0.0 ^{*♦}	0.0	6.5 ^{*♦}	75.5	...	...	11.6 ^{*♦}	39.4	5.6 ^{*♦}	...	5.4 ^{*♦}	...
Unknown	...	...	...	...	...	...	0.0 ^{*♦}	...	0.0^{*♦}	...	...	...
Region												
▶ Northeast	6.0 [♦]	0.9	7.8 [♦]	1.2	9.1 [♦]	5.2	6.5 [♦]	7.7	9.9 [♦]	4.5	7.2 [♦]	7.0
South	4.6 ^{*♦}	4.9	4.2 ^{*♦}	4.4	5.0 ^{*♦}	2.1	5.0 ^{*♦}	3.8	5.4 ^{*♦}	4.9	6.7 ^{*♦}	5.6
Midwest	4.1 ^{*♦}	3.4	6.5 ^{*♦}	4.3	4.4 ^{*♦}	2.2	3.9 ^{*♦}	1.3	5.0 ^{*♦}	2.9	6.6 ^{*♦}	2.1
West	3.0 ^{*♦}	3.6	13.7 ^{*♦}	8.5	12.6 ^{*♦}	8.9	9.5 ^{*♦}	8.5	3.4 ^{*♦}	3.8	1.3 ^{*♦}	1.5

... 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 10-16. Hospital outpatient visits by privately insured individuals for testicular cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=3,632)		2003 (N=3,678)		2004 (N=3,435)		2005 (N=4,017)		2006 (N=3,979)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	84.8	51.3	76.8	51.9	70.2	48.2	77.3	51.7	78.1	56.4
Age										
18-24	88.7*		52.3*		52.4*		47.4*		55.5*	
25-34	113.8*		92.0*		101.9*		119.3*		115.7*	
35-39	136.1*		139.5*		94.8*		119.9*		96.9*	
40-44	96.6*		102.8*		96.6*		94.9*		101.6*	
45-54	57.2*		66.4*		53.2*		68.3*		70.3*	
55-64	38.5*		29.9*		37.9*		30.9*		34.0*	
▶ 65-74	20.8		20.1		16.4		19.1		25.7	
75-84	16.6*♦		8.6*♦		13.0*♦		15.1*♦		25.1*♦	
85+	...		9.1*♦		13.0*♦		3.3*♦		20.6*♦	
Race/ethnicity										
▶ White	90.5	49.0	88.9	61.0	75.0	51.0	78.7	50.1	79.0	55.0
Black	61.1*	11.5	16.0*♦	10.3	20.2*	19.5	20.7*	13.5	12.4*♦	18.3
Hispanic	49.1*	25.4	61.7*	27.6	54.5*	24.2	47.4*	33.2	55.1*	37.9
Asian	30.6*♦	59.3	27.3*♦	22.8	42.9*	64.4	34.0*	22.6	20.9*	23.4
Other	98.4*♦	93.2	117.0*	117.1	70.8*	134.3	75.3*	86.5	71.6*	126.0
Unknown	103.8*	...	77.3*	...	56.2*	...	87.1*	...	86.0*	...
Missing	84.4*	...	70.2*	...	81.8*	...	113.0*	...	121.5*	...
Region										
Northeast	105.6	45.1	96.3	64.7	95.3*	67.0	98.0	79.4	116.4*	77.3
South	68.1*	41.0	59.4*	41.3	56.6*	35.8	57.4*	39.1	59.5*	46.6
▶ Midwest	101.0	63.8	96.9	65.0	84.2	63.9	96.4	63.5	93.9	67.9
West	76.5*	53.5	68.4*	50.7	61.4*	37.4	82.6*	52.4	75.7*	57.5

... 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 10-17. Ambulatory surgery center visits by Medicare beneficiaries for testicular cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=840)		2003 (N=1,060)		2004 (N=1,000)		2005 (N=920)		2006 (N=720)		2007 (N=860)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	5.4	5.8	6.6	7.3	6.1	6.7	5.6	6.6	4.4	4.5	5.3	5.4
Under 65/65+												
< 65 Years	5.2 [♦]	5.2	4.9 ^{*♦}	4.9	5.3 ^{*♦}	5.3	2.8 ^{*♦}	2.8	4.7 [♦]	4.7	5.9 ^{*♦}	5.9
▶ 65+ Years	5.4	5.8	7.1	7.3	6.4	6.7	6.6	6.6	4.3 [♦]	4.5	5.1	5.4
Age												
▶ 65-69	1.1 [♦]		4.8 [♦]		4.1 [♦]		4.6 [♦]		3.1 [♦]		2.1 [♦]	
70-74	3.9 ^{*♦}		7.8 ^{*♦}		5.2 ^{*♦}		8.6 ^{*♦}		4.8 ^{*♦}		4.1 ^{*♦}	
75-79	8.2 ^{*♦}		7.2 ^{*♦}		9.6 ^{*♦}		6.6 ^{*♦}		5.9 ^{*♦}		7.8 ^{*♦}	
80-84	11.6 ^{*♦}		8.7 ^{*♦}		9.7 ^{*♦}		7.1 ^{*♦}		4.8 ^{*♦}		7.4 ^{*♦}	
85-89	13.6 ^{*♦}		13.2 ^{*♦}		7.6 ^{*♦}		7.6 ^{*♦}		4.9 ^{*♦}		11.9 ^{*♦}	
90-94	...		8.1 ^{*♦}		...		7.6^{*♦}		...		...
Race/ethnicity												
▶ White	5.7	6.1	6.3	6.8	7.1	7.5	6.2	7.0	4.5	4.4	4.5	4.6
Black	5.3 ^{*♦}	12.4	9.0 ^{*♦}	15.4	1.3 ^{*♦}	6.1	3.7 ^{*♦}	25.9	3.8 ^{*♦}	7.1	3.8 ^{*♦}	17.9
Hispanic	...	...	6.2 ^{*♦}	33.2	...	...	0.0 ^{*♦}	0.0	6.0 ^{*♦}	35.3	...	...
Asian	...	...	...	...	...	...	...	...	...	...	22.1 ^{*♦}	76.2
Other	...	...	13.0 ^{*♦}	44.6	...	...	0.0 ^{*♦}	...	5.6 ^{*♦}	...	26.8 ^{*♦}	30.5
Unknown	...	...	...	...	...	...	...	...	...	...	87.6 ^{*♦}	...
Region												
▶ Northeast	9.3 [♦]	9.7	5.9 [♦]	7.5	3.2 [♦]	5.3	7.8 [♦]	9.3	4.6 [♦]	9.2	9.2 [♦]	8.7
South	4.3 ^{*♦}	4.7	7.4 ^{*♦}	7.8	6.6 ^{*♦}	6.8	3.4 ^{*♦}	3.5	4.8 ^{*♦}	5.5	3.5 ^{*♦}	4.2
Midwest	4.6 ^{*♦}	11	7.0 ^{*♦}	7.4	5.9 ^{*♦}	7.4	7.9 ^{*♦}	9.1	4.5 ^{*♦}	3.3	5.6 ^{*♦}	5.8
West	4.5 ^{*♦}	7.5	5.1 ^{*♦}	7.6	8.4 ^{*♦}	9.3	4.8 ^{*♦}	7.2	3.4 ^{*♦}	4.8	4.7 ^{*♦}	7.7

... 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 10-18. Ambulatory surgery center visits by privately insured individuals for testicular cancer listed as primary diagnosis, rate,^a age-adjusted rate^b

	2002 (N=60)		2003 (N=70)		2004 (N=82)		2005 (N=124)		2006 (N=76)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	1.4	1.3	1.5	1.0	1.7	1.3	2.4	1.5	1.5	1.4
Age										
18-24	1.6*		1.8*		1.3*		1.8*		0.7*	
25-34	1.1*		1.7*		3.1		4.6*		2.2**	
35-39	2.4*		2.5*		1.2*		3.4**		2.1**	
40-44	1.6*		1.4*		1.4*		2.2**		1.8**	
45-54	1.0*		1.1*		1.3*		1.5**		1.7**	
55-64	1.0*		0.7*		1.3*		1.2**		0.6**	
▶ 65-74	1.8*		0.5*		1.0*		...		...
75-84	...		1.2**		1.2**		0.9*		...	
Race/ethnicity										
▶ White	2.0	1.3	1.9	1.3	1.9	1.7	2.7	1.6	1.5	1.5
Black	1.2**	...	1.6**	32.0	0.5**	...	0.5**	...	2.2**	3.2
Hispanic	...	...	1.1**	2.3	1.0**	1.5	1.4**	1.8	1.1**	...
Asian	...	...	...	...	0.7**	...	3.3**	7.8	0.6**	5.0
Other	...	...	3.3**	...	...	...	...	...	4.1**	16.2
Unknown	0.6**	...	2.2**	...	1.0**	...	2.1**	...	1.5**	...
Missing	1.1**	...	0.9**	...	1.8**	...	1.9**	...	1.3**	...
Region										
Northeast	2.0*	3.4	1.7*	1.3	1.6*	2.1	2.3*	1.5	1.8**	0.8
South	1.5*	1.8	1.2*	0.9	1.7	0.9	2.7*	1.5	1.8*	1.9
▶ Midwest	1.0*	1.4	1.2*	1.6	1.6*	1.8	1.5**	1.5	0.8*	0.8
West	1.6**	2.1	2.7**	1.5	1.9**	2.1	3.5**	3.0	1.8**	1.4

... Data unavailable.

▶ Denotes reference group.

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

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

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

SOURCE: i3 Claims Database, 2002-2006.

Table 10-19. Nationally representative ambulatory surgery center visits for testicular cancer listed as primary diagnosis, count, rate^a

	Count	Rate
Total	5,942	5.6
Age		
18-24	986	7.0
35-39	831	8.1*
40-44	1,537	13.9*
45-54	2,588	12.3*
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 10-20. Physician office visits by Medicare beneficiaries for testicular cancer listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=7,100)		2003 (N=9,120)		2004 (N=8,960)		2005 (N=8,160)		2006 (N=8,420)		2007 (N=7,260)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	45.5	31.5	56.7	40.2	54.7	35.1	49.5	34.7	51.8	37.1	44.7	34.2
Under 65/65+												
< 65 Years	87.8*	87.8	106.8*	106.8	113.5*	113.5	93.4*	93.4	94.6*	94.6	74.4*	74.4
▶ 65+ Years	31.5	31.5	39.9	40.2	34.6	35.1	34.0	34.7	36.6	37.1	33.7	34.2
Age												
▶ 65-69	27.6		28.8		30.0		32.3		41.1		29.2	
70-74	41.0*		55.8*		33.9*		40.2*		32.0*		40.0*	
75-79	35.2*		34.5*		38.5*		28.8*		39.7*		37.4*	
80-84	24.4*♦		54.4*		44.6*		47.6*		30.2*♦		24.6*♦	
85-89	21.8*♦		28.9*♦		33.0*♦		20.2*♦		42.1*♦		45.2*♦	
90-94	17.1*♦		16.3*♦		23.5*♦		...		22.5*♦		22.0*♦	
95-97	...		...		...		...		47.8*♦		46.6*♦	
Race/ethnicity												
▶ White	48.0	32.6	61.9	42.8	61.0	38.0	52.9	35.9	58.0	40.1	46.1	34.2
Black	29.2*♦	23.0	25.7*♦	31.3	8.8*♦	39.6	21.2*♦	27.9	11.4*♦	23.8	19.2*♦	27.9
Hispanic	45.2*♦	...	49.7*♦	125.7	66.2*♦	130.9	75.9*♦	139.8	59.9*♦	96.4	46.9*♦	...
Asian	9.4*♦	192.3	...	...	...	...	...	...	7.8*♦	42.1	7.4*♦	39.0
Other	14.3*♦	41.3	26.0*♦	41.7	18.6*♦	41.3	52.3*♦	47.9	16.9*♦	30.4	96.6*♦	115.1
Unknown	304.2*♦	...	160.3*♦	...	292.2*♦	...	77.9*♦	...	82.9*♦	...	525.9*♦	...
Region												
▶ Northeast	57.8	44.0	53.5	49.0	60.1	42.7	45.2	37.3	47.4	37.7	63.8	45.2
South	45.9*	27.3	69.2*	39.2	66.8*	29.7	57.0*	26.9	60.3*	38.1	38.4*	31.2
Midwest	42.4*	28.5	46.0*	39.1	36.1*	32.0	38.4*	36.1	38.6*	30.0	43.8*	33.3
West	34.8*	31.9	47.7*	39.2	48.2*	46.2	53.0*	49.4	56.4*	49.3	39.6*	34.7

... 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 10-21. Physician office visits by privately insured individuals for testicular cancer listed as any diagnosis, rate,^a age-adjusted rate^b

	2002 (N=8,299)		2003 (N=8,686)		2004 (N=9,201)		2005 (N=10,671)		2006 (N=10,958)	
	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate	Rate	Age-Adjusted Rate
Total	193.7	127.0	181.3	123.0	188.0	120.3	205.4	147.3	215.1	166.3
Age										
18-24	186.8*		137.8*		131.1*		114.6*		135.5*	
25-34	241.0*		238.9*		272.0*		302.1*		292.3*	
35-39	299.4*		277.4*		293.0*		298.4*		263.1*	
40-44	236.9*		224.9*		257.4*		280.3*		292.4*	
45-54	167.8*		164.3*		150.7*		191.2*		219.8*	
55-64	81.6*		73.8*		70.2*		95.4*		103.9*	
▶ 65-74	28.0		52.6		24.6		51.6		73.5	
75-84	17.7*♦		17.2*♦		22.5*♦		21.7*♦		32.3*♦	
85+	...		18.3*♦		25.9*♦		9.9*♦		67.1*♦	
Race/ethnicity										
▶ White	238.2	140.1	219.2	136.4	198.6	125.4	223.6	152.6	223.6	162.2
Black	102.2*	115.4	48.8*	34.5	62.1*	41.6	35.8*	56.9	47.9*	74.7
Hispanic	126.1*	85.7	136.8*	73.7	148.0*	79.8	148.1*	74.7	157.4*	128.9
Asian	103.4*	203.5	38.4*	40.8	50.1*	31.8	73.2*	73.5	50.0*	66.8
Other	112.5*♦	98.4	87.8*♦	60.3	84.5*	88.1	150.5*	86.4	174.0*	143.6
Unknown	239.6*	...	224.0*	...	177.0*	...	168.9*	...	253.8*	...
Missing	169.6*	...	154.3*	...	233.9*	...	255.1*	...	288.2*	...
Region										
Northeast	225.6*	164.3	168.5*	131.6	191.4	141.4	229.0*	228.8	249.7*	217.8
South	179.8*	105.5	174.6*	109.8	190.9*	114.5	197.2*	129.6	200.3	155.3
▶ Midwest	192.5	120.6	185.6	144.3	182.7	126.4	184.5	134.1	205.3	149.7
West	215.0*	181.2	205.3*	143.8	188.9*	110.0	257.1*	172.4	252.4*	196.6

... 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 10-22. Use of chemotherapy during inpatient hospital stays for testicular 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
Total	1,866	1.3		1,712	1.2		1,470	1.0	
Infusion of chemotherapy performed	394	0.3	21,088	263	0.2	15,333	231	0.2	15,735
	2005			2006			2007		
	Count	Rate	Rate Per Visit	Count	Rate	Rate Per Visit	Count	Rate	Rate Per Visit
Total	1,742	1.2		1,829	1.3		1,989	1.4	
Infusion of chemotherapy performed	401	0.3	23,008	404	0.3	22,089	384	0.3	19,286

^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 male visits with testicular cancer in Healthcare Cost and Utilization Project Nationwide Inpatient Sample, 2002-2007.

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