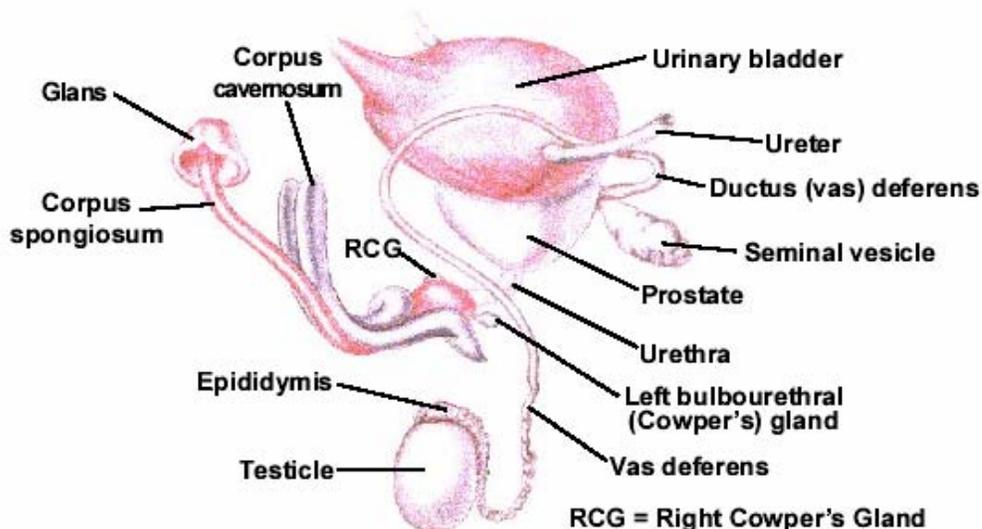


PROSTATE CANCER

PROSTATE CANCER

GENERAL PROFILE⁴

Figure 62. Anatomy of the Male Urogenital System⁵



General Anatomy: The prostate is a gland in a man's reproductive system. It makes and stores seminal fluid, a milky fluid that nourishes sperm. This fluid is released to form part of semen. The prostate is about the size of a walnut. It is located below the bladder and in front of the rectum. It surrounds the upper part of the urethra, the tube that empties urine from the bladder. If the prostate grows too large, the flow of urine can be slowed or stopped. To work properly, the prostate needs male hormones (androgens), which are responsible for male sex characteristics. The main male hormone is testosterone, which is made mainly by the testicles. Some male hormones are produced in small amounts by the adrenal glands.

Risk Factors: Age, family history of Prostate Cancer, race, and diet and dietary factors are all important risk factors in being diagnosed with Prostate Cancer.

Signs and Symptoms: A need to urinate frequently, especially at night, difficulty starting urination or holding back urine, inability to urinate, weak or interrupted flow of urine, painful or burning urination, difficulty in having an erection, painful ejaculation, blood in urine or semen, or frequent pain or stiffness in the lower back, hips, or upper thighs.

Diagnosing the Cancer: Digital rectal exam, blood test for prostate-specific antigen (PSA test), transrectal ultrasonography, intravenous pyelogram, and cystoscopy.

Treatment: Treatment options include: watchful waiting, surgery (Prostatectomy, Orchiectomy), radiation therapy, and hormonal therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 150.1, to the age-adjusted mortality rate 28.2 (per 100,000 – 2000 US Standard male population) for Prostate Cancer, was 5.32 during the 1999 to 2003 period, which means that for every 532 cancer cases there were 100 deaths due to Prostate Cancer in Nevada during this period.
- The median age at diagnosis of Prostate Cancer was 68 years of age for Nevada residents from 1999 to 2003 and the median age at time of death due to Prostate Cancer was 78 years. Native American males had the lowest median age at time of diagnosis of Prostate Cancer (63 years) and the largest difference (24.5 years) between the median age at diagnosis and median age at time of death (87.5 years) during this period.

CANCER SCREENING

- Of the 1,829 men in Nevada who were surveyed in 2001 and 2002, 82.6% responded yes to ever having a Prostate-Specific Antigen (PSA) test and/or a digital rectal exam to try and detect early signs of Prostate Cancer.
- The percentage of men who stated their education level as less than high school or high school had the lowest percentages, 72.3% and 73.0%, of those ever having a PSA test and/or a digital rectal exam, while those who stated their education level as a college graduate had the highest percentage (89.7 %) when the questions were asked in 2001 and 2002.
- Those men whose income was \$50,000 or more a year had the highest percentage of respondents who stated that they had ever received a PSA test or a digital rectal exam with a percentage of 86.5%.

INCIDENCE

- Nevada's Prostate Cancer age-adjusted incidence rate, 150.1 (146.4-153.9), showed statistically significance in being lower than the 1998-2002 national rate of 172.5 (171.6-173.5) (per 100,000 – 2000 US Standard male population) during this period.
- There were 7030 resident Prostate Cancer cases reported in Nevada from 1999 to 2003. Regional comparisons showed that Washoe County's age adjusted rate 178.8 (168.8-189.3), had a statistically significant higher rate than Nevada as a whole 150.1 (146.4-153.9), Clark County 144.9 (140.5-149.4), and the All Other Counties region 143.7 (135.0-153.0), (per 100,000 population – 2000 US Standard population), respectively during this period.
- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest statistically significant age-adjusted incidence rates for Prostate Cancer with rates of 192.9 (173.4-215.2) and 152.6 (148.6-156.8), respectively, of all racial/ethnic groups during the 1999 to 2003 period.

INPATIENT HOSPITAL DISCHARGES

- There were 2,651 hospital inpatient discharges for Prostate Cancer to Nevada residents from 1999 to 2003, with an age-adjusted inpatient discharge rate of 52.9 (per 100,000 – 2000 US Standard male population). Washoe County had the highest cancer age-adjusted inpatient discharge rate of 59.4, once regional comparisons were made and was followed by Clark County and the All Other Counties region with rates of 52.0 and 50.1, respectively.
- Total billed charges for hospital inpatient discharges due Prostate Cancer in Nevada totaled over 62.2 million dollars from 1999 to 2003. Nevadans in the 55-64 and 65-74 year age groups accounted for 74.8% of the total number of inpatient discharges and 77.3% of the total billed charges.
- Washoe County had a considerably higher median total billed charge for Prostate Cancer inpatient discharges (\$27,780) than Clark County (\$18,497) and All Other Counties (\$16,660) from 1999 to 2003.
- The overall average billed charge per day for a hospital inpatient discharge due to Prostate Cancer was just over \$7,021 in Nevada from 1999 to 2003.

MORTALITY

- There were 979 resident deaths due to Prostate Cancer in Nevada from 1999 to 2003. While Washoe County had the highest age-adjusted mortality rate from Prostate Cancer, 32.0, statistical analysis does not show statistical significance over the rates for Nevada overall, Clark County or All Other Counties, who had rates of 28.2, 27.5 and 26.8, respectively.
- Racial/ethnic comparisons showed that Blacks, as a racial/ethnic group, had the highest cancer age-adjusted mortality rate 51.8, of all racial/ethnic groups. They were followed by Whites, Hispanics and Asians who had age-adjusted mortality rates of 28.3, 20.7 and 11.7 (per 100,000 – 2000 US Standard male population), respectively, from 1999 to 2003.

SURVIVAL RATE

- The one-year survival rate for Prostate Cancer in Nevada was 95.0% during the 1999 to 2003 period, while the five-year survival rate was 87.1% during this same time. The median survival rate for Prostate Cancer in Nevada was greater than five years.
- The one-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 99.1%, while those diagnosed at the regional, distant and unstaged stages had rates of 99.0%, 64.7% and 64.6%, respectively.
- The five-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 94.0%, while those recorded at the regional, distant and unstaged stages had rates of 91.8%, 27.0% and 52.1%, respectively.

- Those diagnosed with Prostate Cancer at the distant stage had a significantly lower median survival rate than those at all other stages with a rate of 1.71 years compared to over five years for the localized and regional stages.

SCREENING (BRFSS)**Table 85. Prostate Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 2001 and 2002**

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	1,542	82.6%	(80.0-85.1)	287	17.4%	(14.9-20.0)	1,829
County/Region of Residence							
Clark County	469	81.1%	(77.4-84.8)	106	18.9%	(15.2-22.6)	575
Washoe County	502	85.5%	(82.2-88.7)	82	14.5%	(11.3-17.8)	584
All Other Counties	571	85.4%	(82.2-88.6)	99	14.6%	(11.4-17.8)	670
Education							
Less than High School	95	72.3%	(61.1-83.5)	35	27.7%	(16.5-38.9)	130
High School	381	73.0%	(67.1-78.8)	111	27.0%	(21.2-32.9)	492
Some Post High School	485	84.5%	(80.2-88.7)	78	15.5%	(11.3-19.8)	563
College Graduate	579	89.7%	(86.2-93.2)	62	10.3%	(6.8-13.8)	641
Age Group							
18-24 years old	---	---	---	---	---	---	---
25-34 years old	---	---	---	---	---	---	---
35-44 years old	210	59.8%	(52.4-67.3)	112	40.2%	(32.7-47.6)	322
45-54 years old	471	78.2%	(73.0-83.4)	115	21.8%	(16.6-27.0)	586
55-64 years old	401	91.8%	(88.3-95.3)	39	8.2%	(4.7-11.7)	440
65+ years old	460	95.2%	(92.3-98.2)	21	4.8%	(1.8-7.7)	481
Income							
Less than \$15,000	77	78.2%	(66.9-89.4)	28	21.8%	(10.6-33.1)	105
\$15,000-\$24,999	162	76.0%	(67.2-84.8)	44	24.0%	(15.2-32.8)	206
\$25,000-\$34,999	161	72.7%	(63.6-81.8)	45	27.3%	(18.2-36.4)	206
\$35,000-\$49,999	254	78.1%	(71.4-84.7)	53	21.9%	(15.3-28.6)	307
\$50,000 or More	705	86.5%	(83.0-90.0)	91	13.5%	(10.0-17.0)	796

* Denominator includes persons age 35-65+ excluding those who responded "do not know/not sure" or who refused to respond. 95% of the time, the "true point estimate" will fall between the lower and upper bounds of the 95% Confidence Interval.

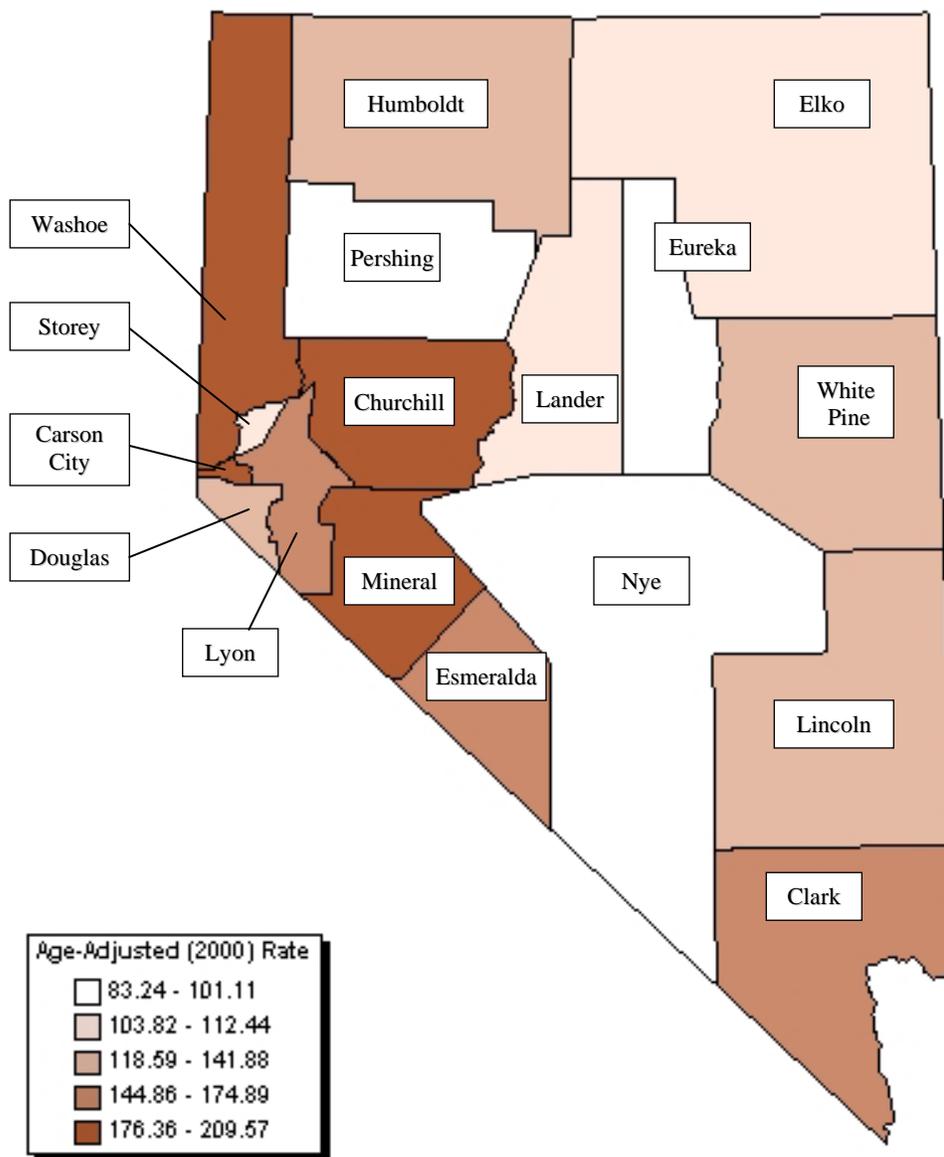
"N"= response numbers and "%"= Weighted prevalence rates

Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

- 1) A Prostate-Specific Antigen test, also called a PSA test, is a blood test used to check men for prostate cancer. Have you ever had a PSA test?
- 2) A digital rectal exam is an exam in which a doctor, nurse, or other health professional places a gloved finger into the rectum to feel the size, and hardness of the prostate gland. Have you ever had a digital rectal exam?

INCIDENCE

Figure 63. Prostate Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 64. Prostate Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

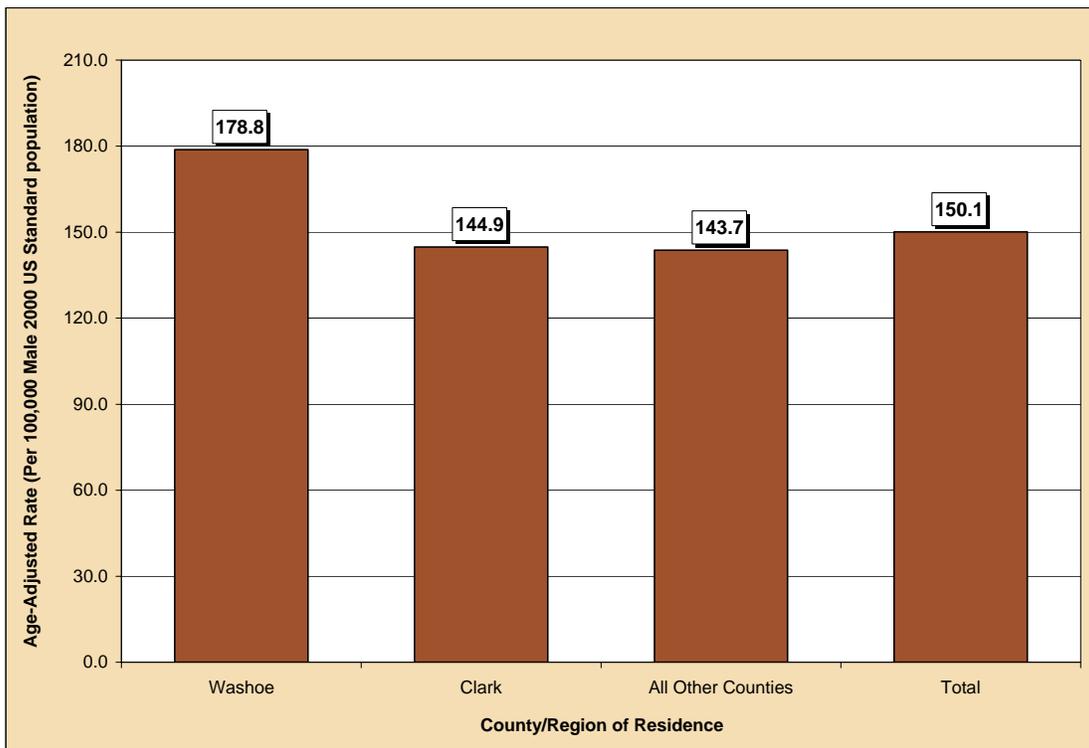


Figure 65. Prostate Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

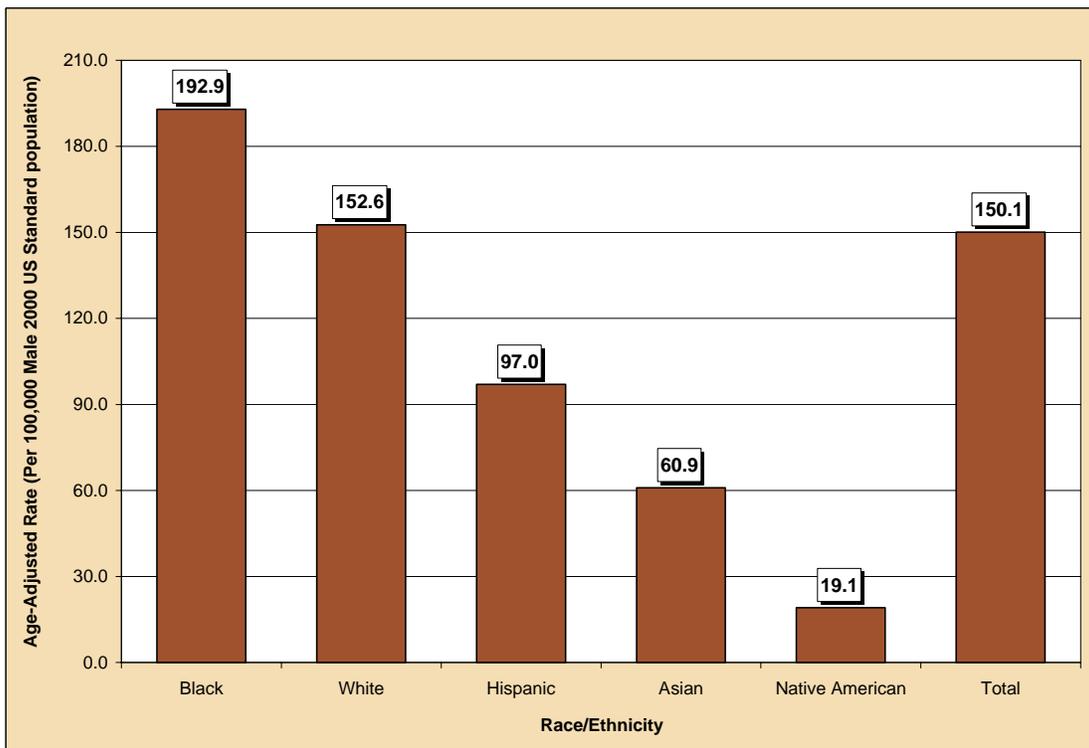


Table 86. Prostate Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					SEER 13 (1998-2002)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,030	4,632	1,312	1,086	0	131,996
Rate*	70.2	70.2	70.2	70.2	---	76.1
95% C.I.	(68.5-71.9)	(68.5-71.9)	(68.5-71.9)	(68.5-71.9)	---	(75.7-76.5)
Gender						
Male	7,030	7,030	7,030	7,030	0	127,701
Rate*	150.1	150.1	150.1	150.1	---	172.5
95% C.I.	(146.4-153.9)	(146.4-153.9)	(146.4-153.9)	(146.4-153.9)	---	(171.6-173.5)
Female	---	---	---	---	---	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	5,991	3,757	1,202	1,032	0	100,957
Rate*	152.6	152.6	152.6	152.6	---	167.4
95% C.I.	(148.6-156.8)	(148.6-156.8)	(148.6-156.8)	(148.6-156.8)	---	(166.4-168.5)
Black	443	407	29	7	0	15,708
Rate*	192.9	192.9	192.9	---	---	271.3
95% C.I.	(173.4-215.2)	(173.4-215.2)	(173.4-215.2)	---	---	(266.9-275.8)
Native American	11	0	6	5	0	309
Rate*	19.1	---	---	---	---	51.2
95% C.I.	(9.4-35.0)	---	---	---	---	(45.2-57.9)
Asian	108	82	23	3	0	7,359
Rate*	60.9	60.9	60.9	---	---	100.7
95% C.I.	(48.3-78.3)	(48.3-78.3)	(48.3-78.3)	---	---	(98.4-103.1)
Hispanic	282	214	41	27	0	8,932
Rate*	97.0	97.0	97.0	97.0	---	137.6
95% C.I.	(83.8-112.8)	(83.8-112.8)	(83.8-112.8)	(83.8-112.8)	---	(134.6-140.7)
Other/Unknown	195	172	11	12	0	3,446

*Rates are per 100,000 male population and age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 87. Prostate Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					SEER 13 (1998-2002)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,030	4,632	1,312	1,086	0	131,996
Rate*	150.1	144.9	178.8	143.7	---	172.5
95% C.I.	(146.4-153.9)	(140.5-149.4)	(168.8-189.3)	(135.0-153.0)	---	(171.6-173.5)
Age Group						
<1	0	0	0	0	0	2
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.3)
1-4	0	0	0	0	0	2
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	0	0	0	0	0	1
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.0)
15-24	1	1	0	0	0	7
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
25-34	1	1	0	0	0	12
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
35-44	21	13	3	5	0	671
Rate*	2.5	2.2	---	---	---	2.2
95% C.I.	(1.40-3.49)	(0.99-3.33)	---	---	---	(2.0-2.3)
45-54	490	333	87	70	0	10,570
Rate*	68.0	69.1	67.5	64.2	---	41.0
95% C.I.	(62.02-74.07)	(61.65-76.48)	(53.29-81.65)	(49.16-79.25)	---	(40.2-41.8)
55-64	1,946	1,298	368	280	0	34,394
Rate*	383.1	377.2	441.5	347.7	---	218.6
95% C.I.	(366.03-400.07)	(356.65-397.68)	(396.40-486.61)	(306.97-388.42)	---	(216.3-220.9)
65-74	2,851	1,912	527	412	0	49,471
Rate*	840.1	823.5	1,034.1	732.8	---	446.4
95% C.I.	(809.28-870.96)	(786.62-860.45)	(945.76-1,122.34)	(662.04-803.56)	---	(442.5-450.4)
75-84	1,430	910	270	250	0	30,649
Rate*	806.7	754.9	1,021.4	825.6	---	402.2
95% C.I.	(764.91-848.53)	(705.85-803.94)	(899.56-1,143.22)	(723.29-927.99)	---	(397.7-406.7)
85+	289	163	57	69	0	6,217
Rate*	993.7	903.0	1,080.5	1,198.4	---	232.1
95% C.I.	(879.10-1,108.23)	(764.36-1,041.61)	(800.00-1,361.01)	(915.62-1,481.15)	---	(226.3-237.9)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific male population.

Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 88. Prostate Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	278	223.8	(197.50-250.12)	209.6	(185.4-236.4)
Churchill	99	160.7	(129.07-192.39)	176.4	(142.4-217.8)
Clark	4,632	124.3	(120.69-127.85)	144.9	(140.5-149.4)
Douglas	182	168.7	(144.16-193.17)	138.9	(118.3-163.2)
Elko	62	52.2	(39.21-65.21)	112.1	(80.2-156.7)
Esmeralda	6	---	---	---	---
Eureka	5	---	---	---	---
Humboldt	39	91.5	(62.79-120.24)	118.6	(82.2-170.3)
Lander	11	75.8	(31.03-120.67)	103.8	(46.8-212.3)
Lincoln	16	175.7	(89.59-261.74)	134.1	(75.8-229.3)
Lyon	173	184.6	(157.11-212.13)	155.2	(132.5-181.5)
Mineral	32	260.4	(170.15-350.57)	181.8	(122.5-264.4)
Nye	127	146.7	(121.20-172.23)	95.9	(79.3-116.7)
Pershing	9	---	---	---	---
Storey	14	149.0	(70.93-227.00)	112.4	(59.2-200.5)
Washoe	1,312	148.0	(140.03-156.05)	178.8	(168.8-189.3)
White Pine	33	172.3	(113.51-231.09)	141.9	(97.3-202.2)
Unknown	0	---	---	---	---
Total	7,030	131.8	(128.70-134.87)	150.1	(146.4-153.9)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 89. Prostate Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	5,991	0	0	5,991
	Rate*	152.6	---	---	72.3
	95% C.I.	(148.6-156.8)	---	---	(70.5-74.2)
Black	Incidence	443	0	0	443
	Rate*	192.9	---	---	87.9
	95% C.I.	(173.4-215.2)	---	---	(79.5-97.2)
Native American	Incidence	11	0	0	11
	Rate*	19.1	---	---	9.1
	95% C.I.	(9.4-35.0)	---	---	(4.5-16.6)
Asian	Incidence	108	0	0	108
	Rate*	60.9	---	---	25.3
	95% C.I.	(48.3-78.3)	---	---	(20.1-32.4)
Hispanic	Incidence	282	0	0	282
	Rate*	97.0	---	---	43.3
	95% C.I.	(83.8-112.8)	---	---	(37.8-49.6)
Other/Unknown		195	0	0	195
Total	Incidence	7,030	0	0	7,030
	Rate*	150.1	---	---	70.2
	95% C.I.	(146.4-153.9)	---	---	(68.5-71.9)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 90. Prostate Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	21	0	0	21
Rate*	2.45	---	---	1.27
95% C.I.	(1.40-3.49)	---	---	(0.73-1.81)
45-54	490	0	0	490
Rate*	68.04	---	---	34.48
95% C.I.	(62.02-74.07)	---	---	(31.43-37.54)
55-64	1,946	0	0	1,946
Rate*	383.05	---	---	189.21
95% C.I.	(366.03-400.07)	---	---	(180.80-197.62)
65-74	2,851	0	0	2,851
Rate*	840.12	---	---	414.49
95% C.I.	(809.28-870.96)	---	---	(399.27-429.70)
75-84	1,430	0	0	1,430
Rate*	806.72	---	---	364.57
95% C.I.	(764.91-848.53)	---	---	(345.68-383.47)
85+	289	0	0	289
Rate*	993.66	---	---	328.48
95% C.I.	(879.10-1,108.23)	---	---	(290.60-366.35)
Unknown	1	0	0	1
Total	7,030	0	0	7,030
Rate*	131.78	---	---	66.97
95% C.I.	(128.70-134.87)	---	---	(65.40-68.53)

Note: The "----" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 91. Prostate Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	---	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
25-34	Number	---	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
35-44	Number	---	15	4	1	1	21
	Percent	---	71.4%	19.0%	4.8%	4.8%	100.0%
45-54	Number	---	396	54	13	27	490
	Percent	---	80.8%	11.0%	2.7%	5.5%	100.0%
55-64	Number	---	1,517	276	53	100	1,946
	Percent	---	78.0%	14.2%	2.7%	5.1%	100.0%
65-74	Number	---	2,323	214	96	218	2,851
	Percent	---	81.5%	7.5%	3.4%	7.6%	100.0%
75-84	Number	---	1,073	61	74	222	1,430
	Percent	---	75.0%	4.3%	5.2%	15.5%	100.0%
85+	Number	---	153	12	21	103	289
	Percent	---	52.9%	4.2%	7.3%	35.6%	100.0%
Unknown	Number	---	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
Total	Number	---	5,480	621	258	671	7,030
	Percent	---	78.0%	8.8%	3.7%	9.5%	100.0%

Table 92. Prostate Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	4,658	347	8	77	223	167	5,480
	Percent	77.7%	78.3%	72.7%	71.3%	79.1%	85.6%	78.0%
Regional	Number	550	31	3	6	20	11	621
	Percent	9.2%	7.0%	27.3%	5.6%	7.1%	5.6%	8.8%
Distant	Number	219	16	0	9	11	3	258
	Percent	3.7%	3.6%	---	8.3%	3.9%	1.5%	3.7%
Unstaged	Number	564	49	0	16	28	14	671
	Percent	9.4%	11.1%	---	14.8%	9.9%	7.2%	9.5%
Total	Number	5,991	443	11	108	282	195	7,030
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

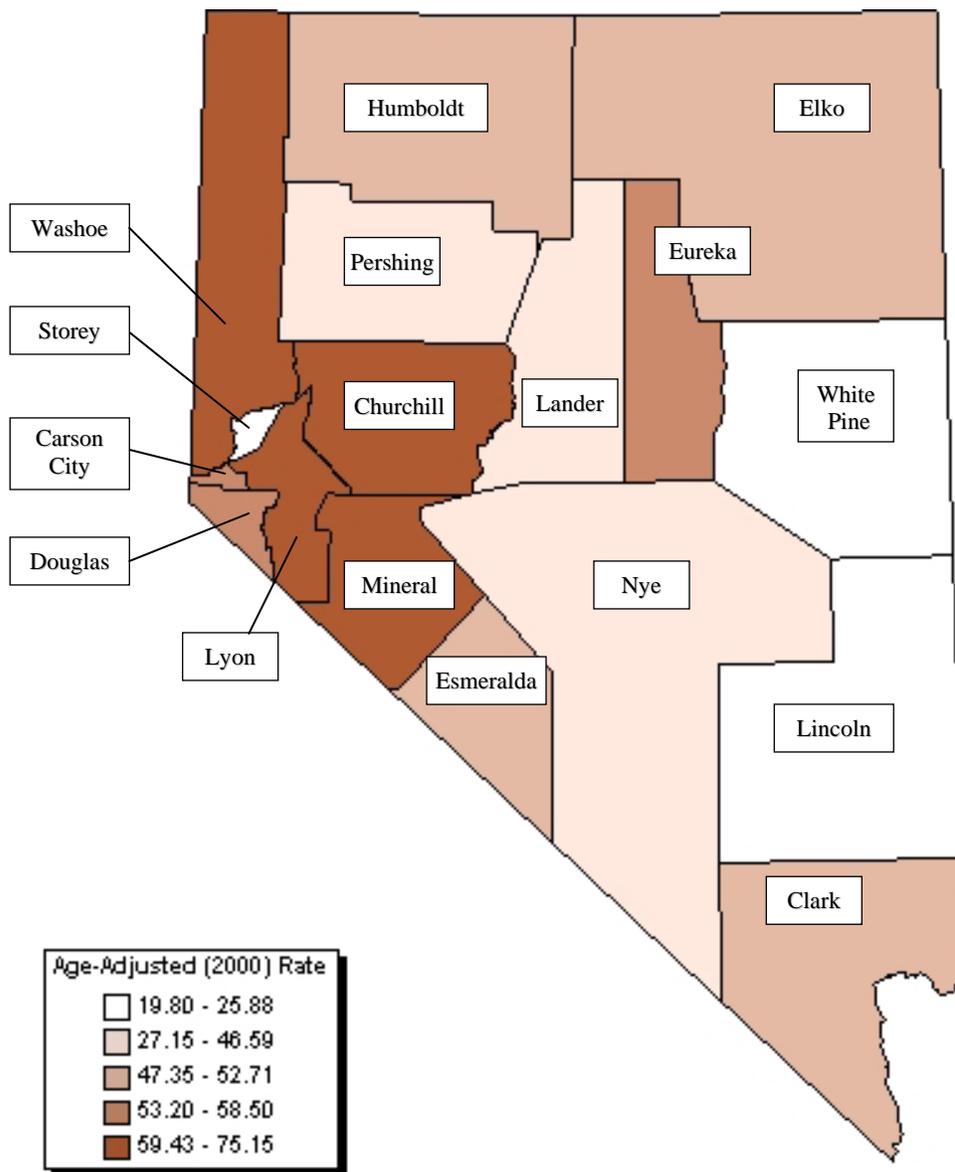
Table 93. Median Age at Diagnosis of Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	5,990	68.0	---	---	5,990	68.0
Black	443	65.0	---	---	443	65.0
Native American	11	63.0	---	---	11	63.0
Asian	108	67.0	---	---	108	67.0
Hispanic	282	67.0	---	---	282	67.0
Other/Unknown	195	68.0	---	---	195	68.0
Total	7,029	68.0	---	---	7,029	68.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 66. Prostate Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 67. Prostate Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

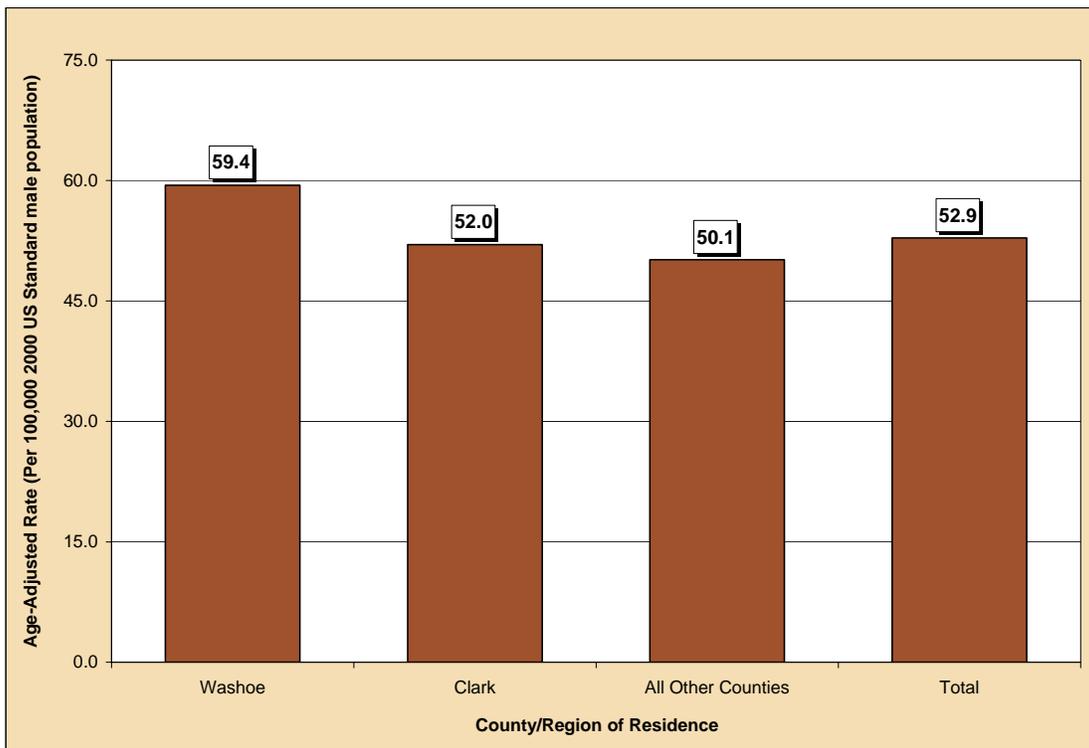


Figure 68. Median Charges for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

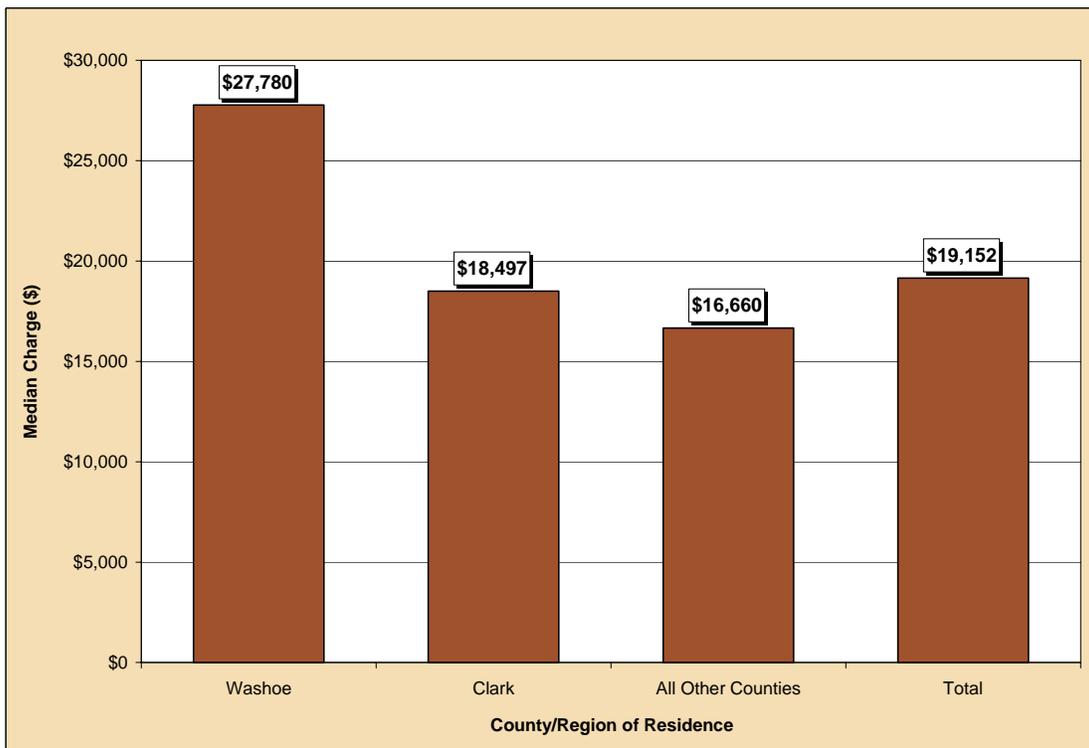


Figure 69. Average Length of Stay for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

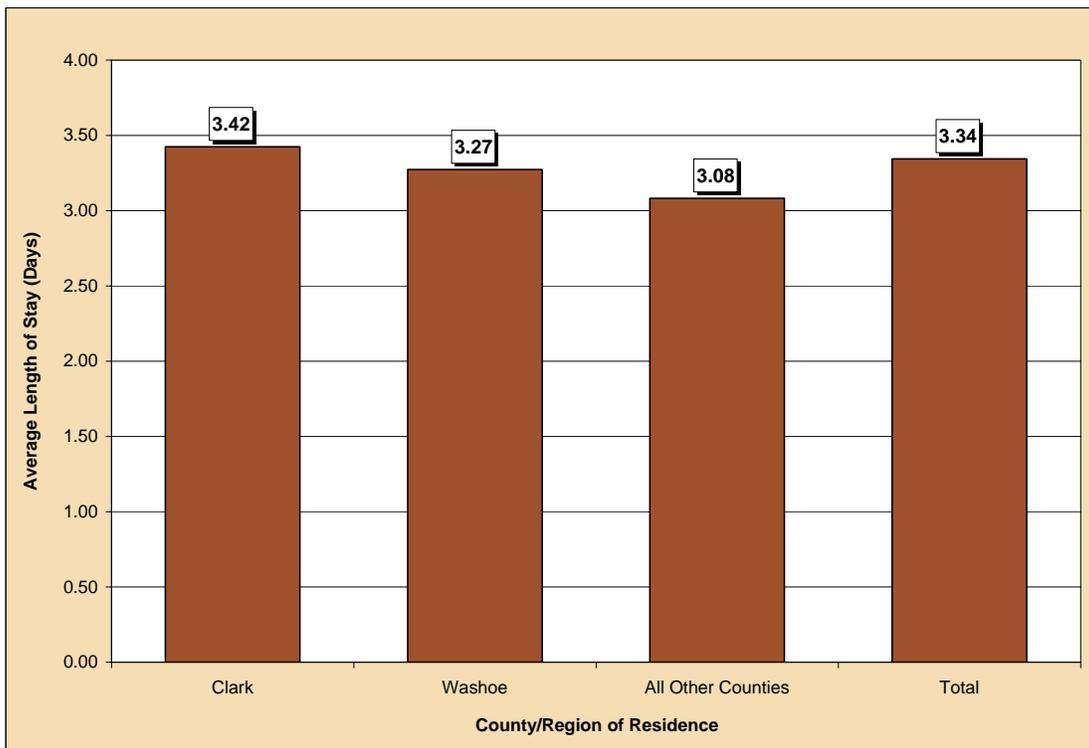


Table 94. Prostate Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,651	1,754	486	411	0
Rate*	25.3	24.7	28.7	24.6	---
95% C.I.	(24.3-26.3)	(23.5-25.9)	(26.2-31.4)	(22.2-27.1)	---
Gender					
Male	2,651	1,754	486	411	0
Rate*	52.9	52.0	59.4	50.1	---
95% C.I.	(50.8-55.0)	(49.5-54.7)	(54.1-65.3)	(45.3-55.6)	---
Female	---	---	---	---	---
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Other/Unknown	---	---	---	---	---
Inpatient Discharge Charges (\$)					
Total Charges	\$62,242,611	\$41,119,735	\$13,500,869	\$7,622,007	---
Average Charges	\$23,479	\$23,443	\$27,780	\$18,545	---
Median Charges	\$19,152	\$18,497	\$27,780	\$16,660	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	8,865	6,007	1,591	1,267	---
Average LOS	3.3	3.4	3.3	3.1	---
Median LOS	3.0	3.0	3.0	3.0	---

* Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 95. Prostate Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	2,651	1,754	486	411
Rate*	49.7	23.9	27.8	28.9
95% C.I.	(47.80-51.59)	(22.82-25.06)	(25.34-30.29)	(26.10-31.69)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	14	9	1	4
Rate*	1.6	---	---	---
95% C.I.	(0.78-2.49)	---	---	---
45-54	313	207	67	39
Rate*	43.5	42.9	52.0	35.8
95% C.I.	(38.65-48.28)	(37.08-48.78)	(39.52-64.40)	(24.54-47.00)
55-64	1,044	679	200	165
Rate*	205.5	197.3	240.0	204.9
95% C.I.	(193.03-217.97)	(182.46-212.14)	(206.69-273.20)	(173.63-236.16)
65-74	939	608	171	160
Rate*	276.7	261.9	335.5	284.6
95% C.I.	(259.00-294.40)	(241.06-282.69)	(285.24-385.82)	(240.49-328.68)
75-84	273	207	37	29
Rate*	154.0	171.7	140.0	95.8
95% C.I.	(135.74-172.28)	(148.32-195.11)	(94.87-185.07)	(60.92-130.63)
85+	68	44	10	14
Rate*	233.8	243.8	189.6	243.2
95% C.I.	(178.23-289.37)	(171.73-315.77)	(72.07-307.05)	(115.78-370.52)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific male population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 96. Prostate Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	14	---	14
Rate*	1.63	---	0.85
95% C.I.	(0.78-2.49)	---	(0.40-1.29)
45-54	313	---	313
Rate*	43.47	---	22.03
95% C.I.	(38.65-48.28)	---	(19.59-24.47)
55-64	1,044	---	1,044
Rate*	205.50	---	101.51
95% C.I.	(193.03-217.97)	---	(95.35-107.67)
65-74	939	---	939
Rate*	276.70	---	136.51
95% C.I.	(259.00-294.40)	---	(127.78-145.25)
75-84	273	---	273
Rate*	154.01	---	69.60
95% C.I.	(135.74-172.28)	---	(61.34-77.86)
85+	68	---	68
Rate*	233.80	---	77.29
95% C.I.	(178.23-289.37)	---	(58.92-95.66)
Unknown	0	---	0
Total	2,651	---	2,651
Rate*	49.70	---	25.25
95% C.I.	(47.80-51.59)	---	(24.29-26.21)

* Rates are per 100,000 male age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 97. Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	80	64.4	(50.29-78.52)	58.3	(46.3-72.6)
Churchill	39	63.3	(43.45-83.19)	64.1	(45.3-90.7)
Clark	1,754	47.1	(44.86-49.26)	52.0	(49.5-54.7)
Douglas	83	76.9	(60.37-93.47)	58.5	(46.0-74.6)
Elko	28	23.6	(14.85-32.31)	47.4	(26.1-83.0)
Esmeralda	2	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	20	46.9	(26.36-67.50)	50.7	(29.6-87.7)
Lander	5	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	84	89.6	(70.47-108.81)	71.6	(57.0-90.0)
Mineral	13	105.8	(48.27-163.27)	75.1	(39.0-136.0)
Nye	38	43.9	(29.94-57.86)	27.1	(19.0-38.0)
Pershing	6	---	---	---	---
Storey	3	---	---	---	---
Washoe	486	54.8	(49.96-59.71)	59.4	(54.1-65.3)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	2,651	49.7	(47.80-51.59)	52.9	(50.8-55.0)

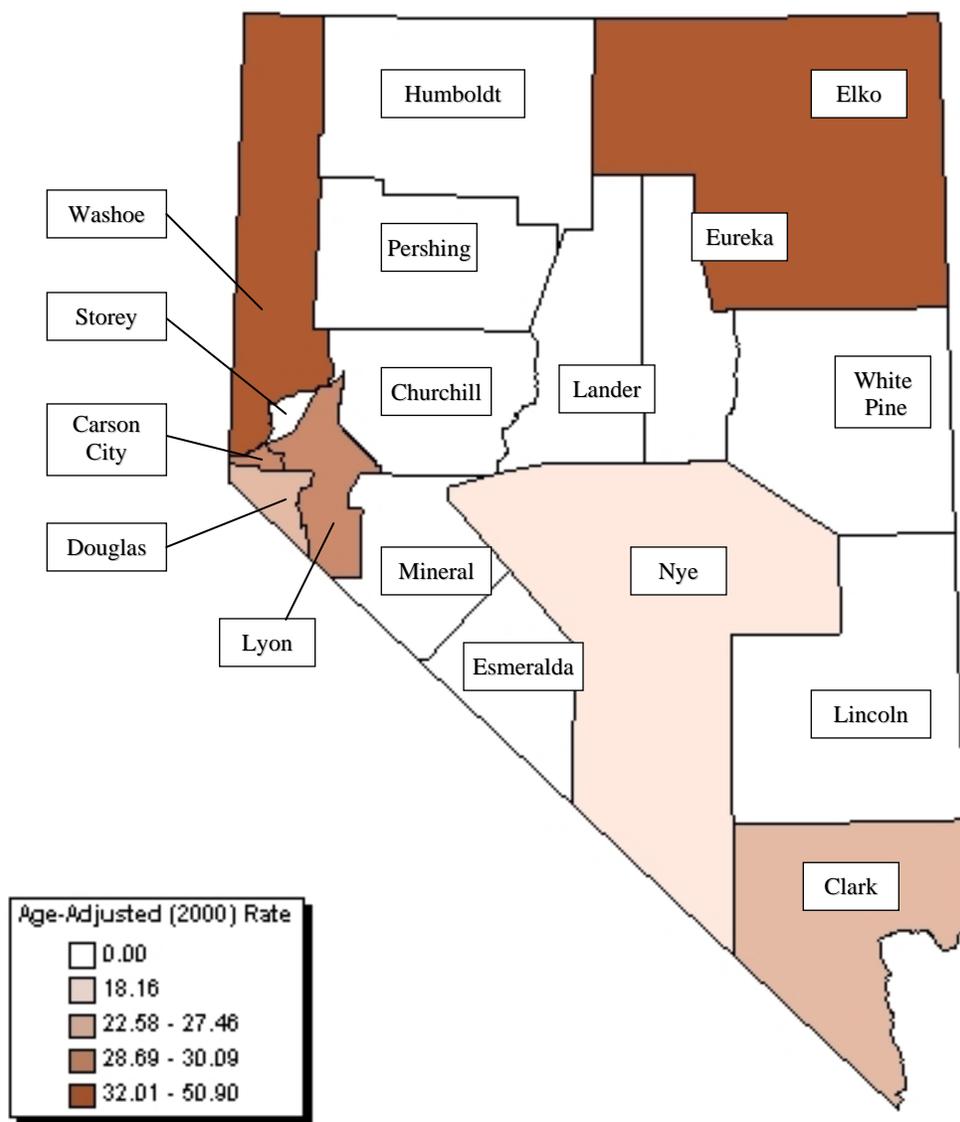
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 98. Prostate Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	0	---	---	---	---	---	---
35-44	14	279,793	19,985	17,174	42	3.0	3.0
45-54	313	7,034,032	22,473	20,474	989	3.2	3.0
55-64	1,044	27,995,611	26,816	20,339	3,443	3.3	3.0
65-74	939	20,105,527	21,412	18,733	3,036	3.2	3.0
75-84	273	5,581,952	20,447	13,292	1,043	3.8	2.0
85+	68	1,245,696	18,319	11,446	312	4.6	2.0
Unknown	0	---	---	---	---	---	---
Total	2,651	62,242,611	23,479	19,152	8,865	3.3	3.0

MORTALITY

Figure 70. Prostate Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 71. Prostate Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

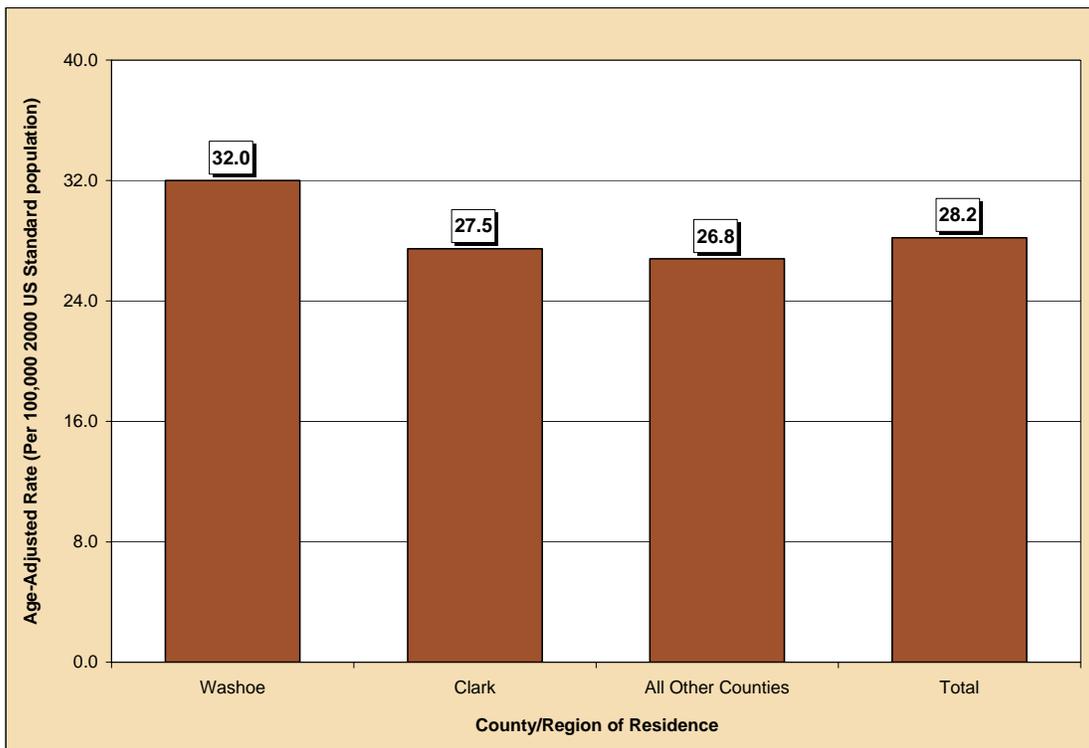


Figure 72. Prostate Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

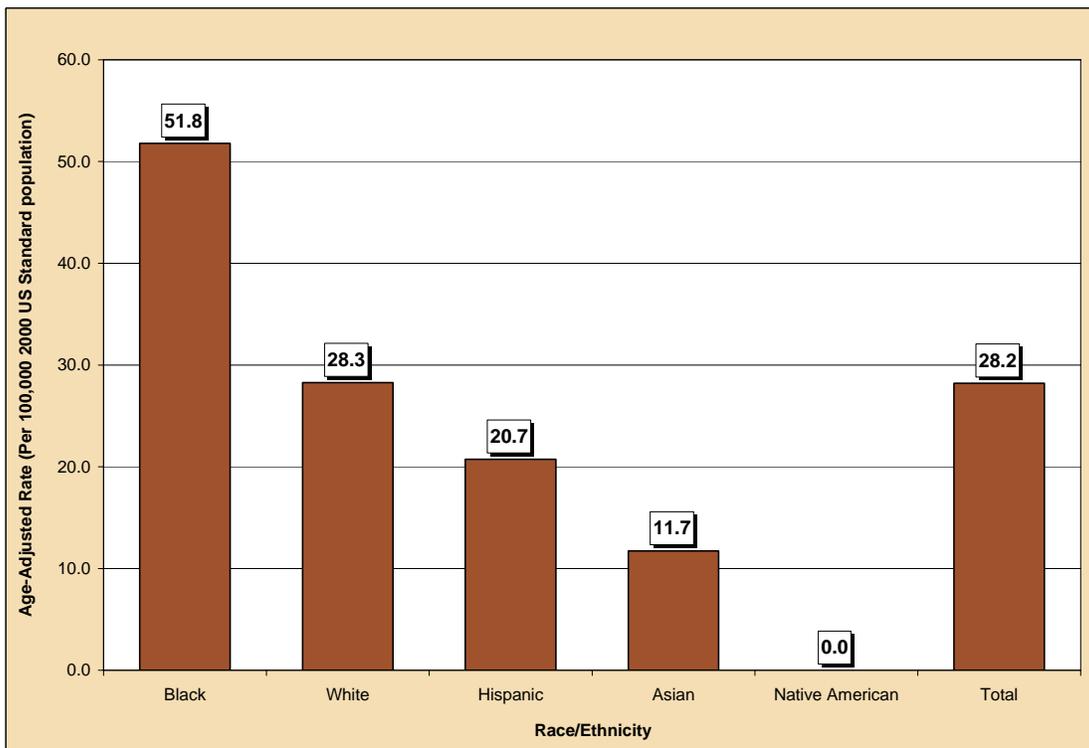


Table 99. Prostate Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	979	651	172	156
Rate*	11.7	11.4	12.7	11.5
95% C.I.	(11.0-12.5)	(10.5-12.4)	(10.8-14.8)	(9.7-13.5)
Gender				
Male	979	979	979	979
Rate*	28.2	28.2	28.2	28.2
95% C.I.	(26.3-30.2)	(26.3-30.2)	(26.3-30.2)	(26.3-30.2)
Female	---	---	---	---
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	850	538	163	149
Rate*	28.3	28.3	28.3	28.3
95% C.I.	(26.3-30.4)	(26.3-30.4)	(26.3-30.4)	(26.3-30.4)
Black	79	74	4	1
Rate*	51.8	51.8	---	---
95% C.I.	(39.3-68.0)	(39.3-68.0)	---	---
Native American	4	0	1	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	16	12	2	2
Rate*	11.7	11.7	---	---
95% C.I.	(6.0-23.5)	(6.0-23.5)	---	---
Hispanic	30	27	2	1
Rate*	20.7	20.7	---	---
95% C.I.	(13.0-32.1)	(13.0-32.1)	---	---
Other/Unknown	0	0	0	0

Note: The "---" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Rates for race/ethnicity groups are per 100,000 male population and age-adjusted to the 2000 US Standard population.

Table 100. Prostate Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	979	651	172	156
Rate*	28.2	27.5	32.0	26.8
95% C.I.	(26.3-30.2)	(25.2-30.0)	(27.1-37.6)	(22.5-31.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	18	8	7	3
Rate*	2.5	---	---	---
95% C.I.	(1.34-3.65)	---	---	---
55-64	85	61	14	10
Rate*	16.7	17.7	16.8	12.4
95% C.I.	(13.17-20.29)	(13.28-22.17)	(8.00-25.59)	(4.72-20.11)
65-74	261	189	38	34
Rate*	76.9	81.4	74.6	60.5
95% C.I.	(67.58-86.24)	(69.80-93.01)	(50.85-98.27)	(40.15-80.80)
75-84	409	276	67	66
Rate*	230.7	229.0	253.5	218.0
95% C.I.	(208.37-253.10)	(201.94-255.97)	(192.77-314.15)	(165.38-270.56)
85+	206	117	46	43
Rate*	708.3	648.2	872.0	746.8
95% C.I.	(611.56-805.01)	(530.71-765.60)	(619.99-1,123.98)	(523.60-970.04)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific male population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 101. Prostate Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	38	30.6	(20.87-40.32)	28.7	(20.2-40.1)
Churchill	9	---	---	---	---
Clark	651	17.5	(16.12-18.81)	27.5	(25.2-30.0)
Douglas	19	17.6	(9.69-25.53)	22.6	(13.0-37.0)
Elko	14	11.8	(5.61-17.97)	50.9	(25.5-92.6)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	7	---	---	---	---
Lander	3	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	27	28.8	(17.95-39.68)	30.1	(19.4-45.3)
Mineral	5	---	---	---	---
Nye	18	20.8	(11.19-30.40)	18.2	(10.0-31.6)
Pershing	3	---	---	---	---
Storey	2	---	---	---	---
Washoe	172	19.4	(16.51-22.31)	32.0	(27.1-37.6)
White Pine	7	---	---	---	---
Unknown	0	---	---	---	---
Total	979	18.4	(17.20-19.50)	28.2	(26.3-30.2)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 102. Prostate Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	850	0	0	850
	Rate*	28.3	---	---	11.8
	95% C.I.	(26.3-30.4)	---	---	(11.0-12.7)
Black	Incidence	79	0	0	79
	Rate*	51.8	---	---	20.9
	95% C.I.	(39.3-68.0)	---	---	(16.2-26.6)
Native American	Incidence	4	0	0	4
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	16	0	0	16
	Rate*	11.7	---	---	4.9
	95% C.I.	(6.0-23.5)	---	---	(2.5-9.6)
Hispanic	Incidence	30	0	0	30
	Rate*	20.7	---	---	8.0
	95% C.I.	(13.0-32.1)	---	---	(5.1-12.0)
Other/Unknown	0	0	0	0	
Total	Incidence	979	0	0	979
	Rate*	28.2	---	---	11.7
	95% C.I.	(26.3-30.2)	---	---	(11.0-12.5)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 103. Prostate Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
45-54	18	---	18
Rate*	2.50	---	1.27
95% C.I.	(1.34-3.65)	---	(0.68-1.85)
55-64	85	---	85
Rate*	16.73	---	8.26
95% C.I.	(13.17-20.29)	---	(6.51-10.02)
65-74	261	---	261
Rate*	76.91	---	37.95
95% C.I.	(67.58-86.24)	---	(33.34-42.55)
75-84	409	---	409
Rate*	230.73	---	104.27
95% C.I.	(208.37-253.10)	---	(94.17-114.38)
85+	206	---	206
Rate*	708.29	---	234.14
95% C.I.	(611.56-805.01)	---	(202.16-266.11)
Unknown	0	---	0
Total	979	---	979
Rate*	18.35	---	9.33
95% C.I.	(17.20-19.50)	---	(8.74-9.91)

Note: The "---" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

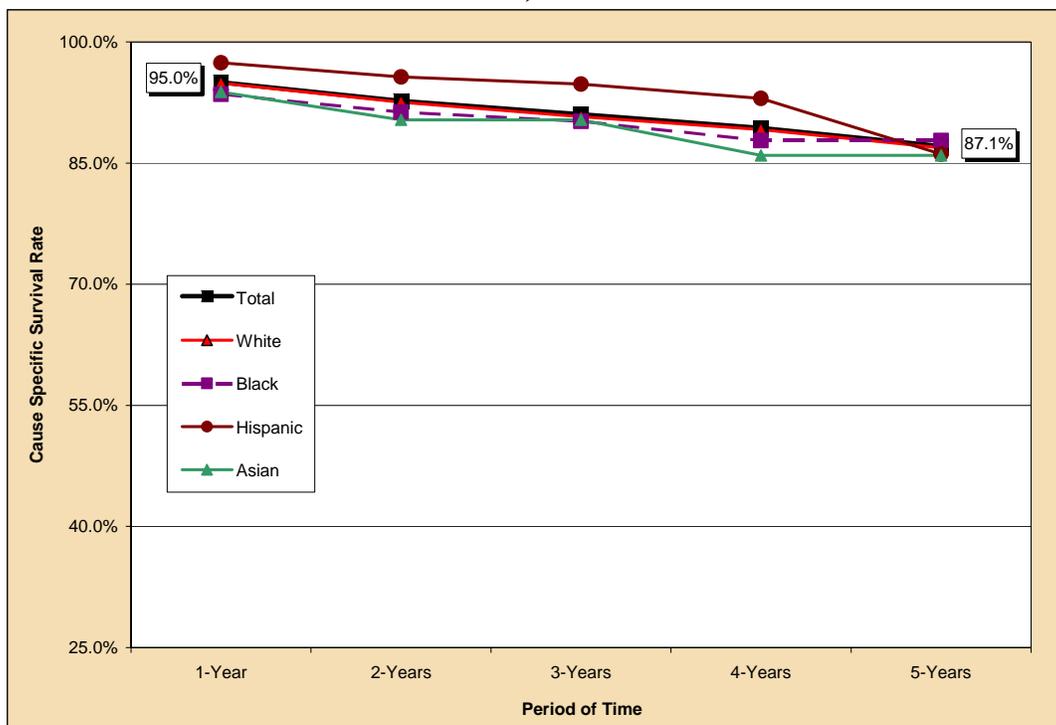
Table 104. Median Age at Death from Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	850	78.0	---	---	850	78.0
Black	79	75.0	---	---	79	75.0
Native American	4	---	---	---	4	---
Asian	16	75.5	---	---	16	75.5
Hispanic	30	78.5	---	---	30	78.5
Other/Unknown	0	---	---	---	0	---
Total	979	78.0	---	---	979	78.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 73. Survival Rates for Prostate Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 74. Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

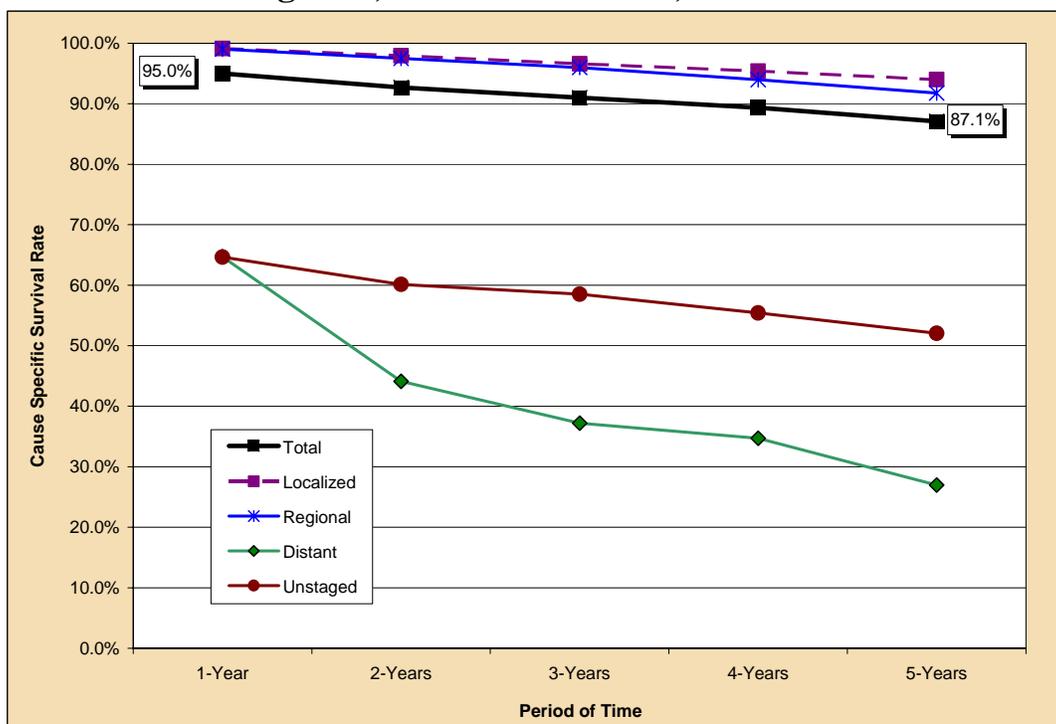


Table 105. Cause-Specific Survival Rates for Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	6,266	95.0%	92.7%	91.0%	89.4%	87.1%	> 5 YEARS
Male	6,266	95.0%	92.7%	91.0%	89.4%	87.1%	> 5 YEARS
Female	---	---	---	---	---	---	---
Race/Ethnicity							
White	5,322	94.9%	92.6%	90.8%	89.2%	86.9%	> 5 YEARS
Male	5,322	94.9%	92.6%	90.8%	89.2%	86.9%	> 5 YEARS
Female	---	---	---	---	---	---	---
Black	392	93.5%	91.3%	90.2%	87.8%	87.8%	> 5 YEARS
Male	392	93.5%	91.3%	90.2%	87.8%	87.8%	> 5 YEARS
Female	---	---	---	---	---	---	---
Native American	11	---	---	---	---	---	.
Male	11	---	---	---	---	---	.
Female	---	---	---	---	---	---	---
Asian	92	93.8%	90.4%	90.4%	85.9%	85.9%	> 5 YEARS
Male	92	93.8%	90.4%	90.4%	85.9%	85.9%	> 5 YEARS
Female	---	---	---	---	---	---	---
Hispanic	261	97.4%	95.7%	94.8%	93.0%	86.1%	> 5 YEARS
Male	261	97.4%	95.7%	94.8%	93.0%	86.1%	> 5 YEARS
Female	---	---	---	---	---	---	---

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 106. Cause-Specific Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	6,266	6,266	---
	One Year	95.0%	95.0%	---
	5 Years	87.1%	87.1%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	4,966	4,966	---
	One Year	99.1%	99.1%	---
	5 Years	94.0%	94.0%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Regional	Cases	579	579	---
	One Year	99.0%	99.0%	---
	5 Years	91.8%	91.8%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Distant	Cases	216	216	---
	One Year	64.7%	64.7%	---
	5 Years	27.0%	27.0%	---
	Median Survival	1.71	1.71	---
Unstaged	Cases	505	505	---
	One Year	64.6%	64.6%	---
	5 Years	52.1%	52.1%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.