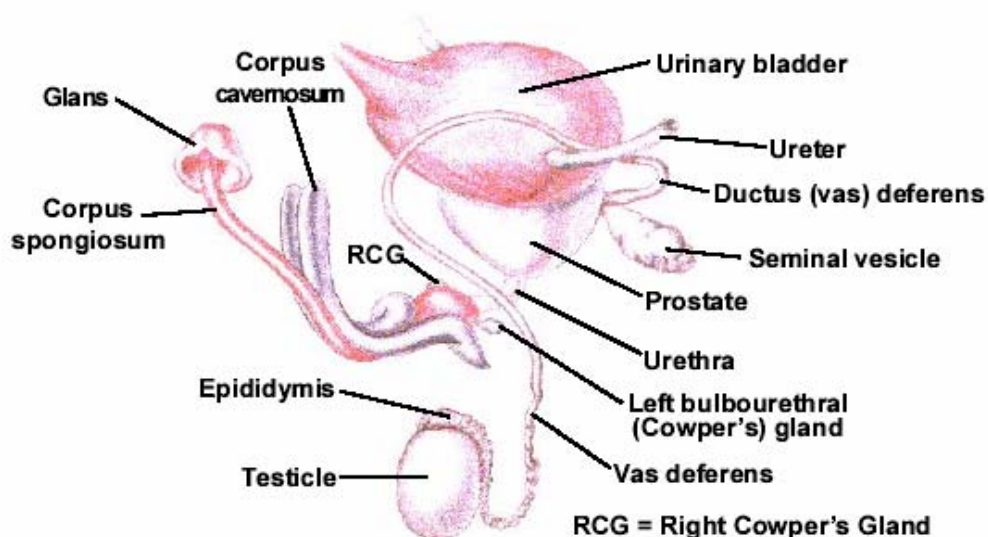


PROSTATE CANCER

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, 152.8, to the age-adjusted mortality rate, 27.4 (per 100,000 – 2000 US Standard male population), for Prostate Cancer was 5.6 during the 2000 to 2004 period, which means that for every 557 Prostate Cancer cases there was 100 male 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 2000 to 2004 and the median age at time of death due to Prostate Cancer was 78 years. Hispanics males had the largest difference (11.5 years) between the median age at diagnosis and median age at time of death (78.5 years) during this period.

CANCER SCREENING

- Of the 2,351 men in Nevada who were surveyed in 2001, 2002 and 2004, 80.7% 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 at less than high school (63.0%) or high school (75.6%) had the lowest percentages of those ever having a PSA test and/or a digital rectal exam, while those who stated their education level as a college graduate college graduate had the highest percentage (87.8%) when the questions were asked in 2001, 2002 and 2004.
- Those men whose income was \$50,000 or more a year had the highest percentage of respondents who states that they had ever received a PSA test or a digital rectal exam with a percentage of 84.2% in 2001, 2002 and 2004.

INCIDENCE

- Nevada's Prostate Cancer age-adjusted incidence rate, 152.8 (149.3-156.5), showed statistically significance in being lower than the 2000-2004 national rate of 167.99 (167.33-168.64) (per 100,000 – 2000 US Standard male population) during this period.
- There were 7,569 cases of Prostate Cancer reported in Nevada from 2000 to 2004. Regional comparisons showed that Washoe County's age-adjusted incidence rate, 163.4 (154.0-173.3), was higher than the rate for Nevada as a whole 152.8 (149.3-156.5), Clark County 151.4 (147.1-155.9) and the All Other Counties region 148.5 (139.9-157.7) during this period.
- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest statistically significant cancer age-adjusted mortality rates of 201.1 (182.3-222.4) and 151.2 (147.3-155.2), respectively, of all racial/ethnic groups. They were followed by Hispanics, Asians and Native Americans who had age-adjusted mortality rates of 101.3 (88.3-116.7), 58.7 (47.9-73.5) and 31.9 (17.6-55.0), respectively from 2000 to 2004.

INPATIENT HOSPITAL DISCHARGES

- There were 2,614 Inpatient Discharges for Prostate Cancer to Nevada male residents in Nevada from 2000 to 2004. Washoe County (59.1) had the highest age-adjusted inpatient discharge rate for Prostate Cancer in Nevada, followed by All Other Counties, Nevada overall, and Clark County who had rates of 50.1, 49.9 and 47.7 (per 100,000 – 2000 US Standard male population), respectively.
- Billed charges from Prostate Cancer inpatient discharges accounted for approximately 63.5 million dollars from 2000 to 2004. Nevadans in the 55-64 and 65-74 age groups accounted for 73.5% of the total charges during this period. The overall daily billed amount for these discharges was approximately \$7,370 in Nevada during this period.
- Washoe County had a considerably higher median total billed charge for Prostate Cancer inpatient discharges (\$31,336) than Clark County (\$20,114) and All Other Counties (\$17,727) from 2000 to 2004.
- The overall average billed charge per day for an inpatient hospital discharge due to Prostate cancer in Nevada was \$7,370 from 2000 to 2004.

MORTALITY

- There were 995 resident deaths due to Prostate Cancer in Nevada from 2000 to 2004. While Washoe County had the highest age-adjusted mortality rate from Prostate Cancer, 31.0, statistical analysis does not show statistical significance over the rates for Nevada overall, Clark County or All Other Counties, who had rates of 27.4, 25.9 and 29.6, respectively.
- Racial/ethnic comparisons showed that Black males had higher age-adjusted mortality rates for Prostate Cancer 52.9, when compared to Whites, Hispanics and Asians who had rates of 27.3, 22.2 and 12.6 (per 100,000 – 2000 US Standard male population), respectively, from 2000 to 2004.

SURVIVAL RATE

- The one-year survival rate for Prostate cancer in Nevada was 95.7% during the 2000 to 2004 period, while the five-year survival rate was 89.6% during this same time. The median survival rate in Nevada was greater than five years during this period.
- 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 unstages stages had rates of 99.2%, 64.3% and 81.2%, respectively during the 2000 to 2004 period.
- The five-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 94.7%, while those diagnosed at the regional, distant and unstages stages had rates of 93.2%, 30.6% and 68.4%, respectively during the 2000 to 2004 period.

- The five-year survival rate for those diagnosed with Prostate Cancer at the distant stage was 1.73 years, while those diagnosed at the localized, regional and unstaged stages had median survival rates of greater than five years during the 2000 to 2004 period.

SCREENING (BRFSS)

Table 85. Prostate Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 2001 and 2002 and 2004

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	2,351	80.7%	(78.5-82.9)	463	19.3%	(17.1-21.5)	2,814
County/Region of Residence							
Clark County	720	79.4%	(76.3-82.6)	173	20.6%	(17.4-23.7)	893
Washoe County	770	83.8%	(81.0-86.7)	130	16.2%	(13.3-19.0)	900
All Other Counties	861	82.4%	(78.9-86.0)	160	17.6%	(14.0-21.1)	1,021
Education							
Less than High School	153	63.0%	(53.3-72.7)	70	37.0%	(27.3-46.7)	223
High School	588	75.6%	(71.1-80.2)	160	24.4%	(19.8-28.9)	748
Some Post High School	700	81.6%	(77.7-85.4)	131	18.4%	(14.6-22.3)	831
College Graduate	905	87.8%	(84.8-90.8)	101	12.2%	(9.2-15.2)	1,006
Age Group							
18-24 years old	---	---	---	---	---	---	---
25-34 years old	---	---	---	---	---	---	---
35-44 years old	286	54.4%	(48.2-60.7)	183	45.6%	(39.3-51.8)	469
45-54 years old	675	76.3%	(72.0-80.6)	183	23.7%	(19.4-28.0)	858
55-64 years old	658	91.5%	(88.5-94.4)	60	8.5%	(5.6-11.5)	718
65+ years old	732	95.8%	(93.7-97.8)	37	4.2%	(2.2-6.3)	769
Income							
Less than \$15,000	114	67.6%	(55.8-79.5)	50	32.4%	(20.5-44.2)	164
\$15,000-\$24,999	245	74.7%	(67.4-81.9)	68	25.3%	(18.1-32.6)	313
\$25,000-\$34,999	250	73.1%	(65.5-80.6)	66	26.9%	(19.4-34.5)	316
\$35,000-\$49,999	380	77.6%	(72.0-83.3)	86	22.4%	(16.7-28.0)	466
\$50,000 or More	1,096	84.2%	(81.3-87.2)	155	15.8%	(12.8-18.7)	1,251

* 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.

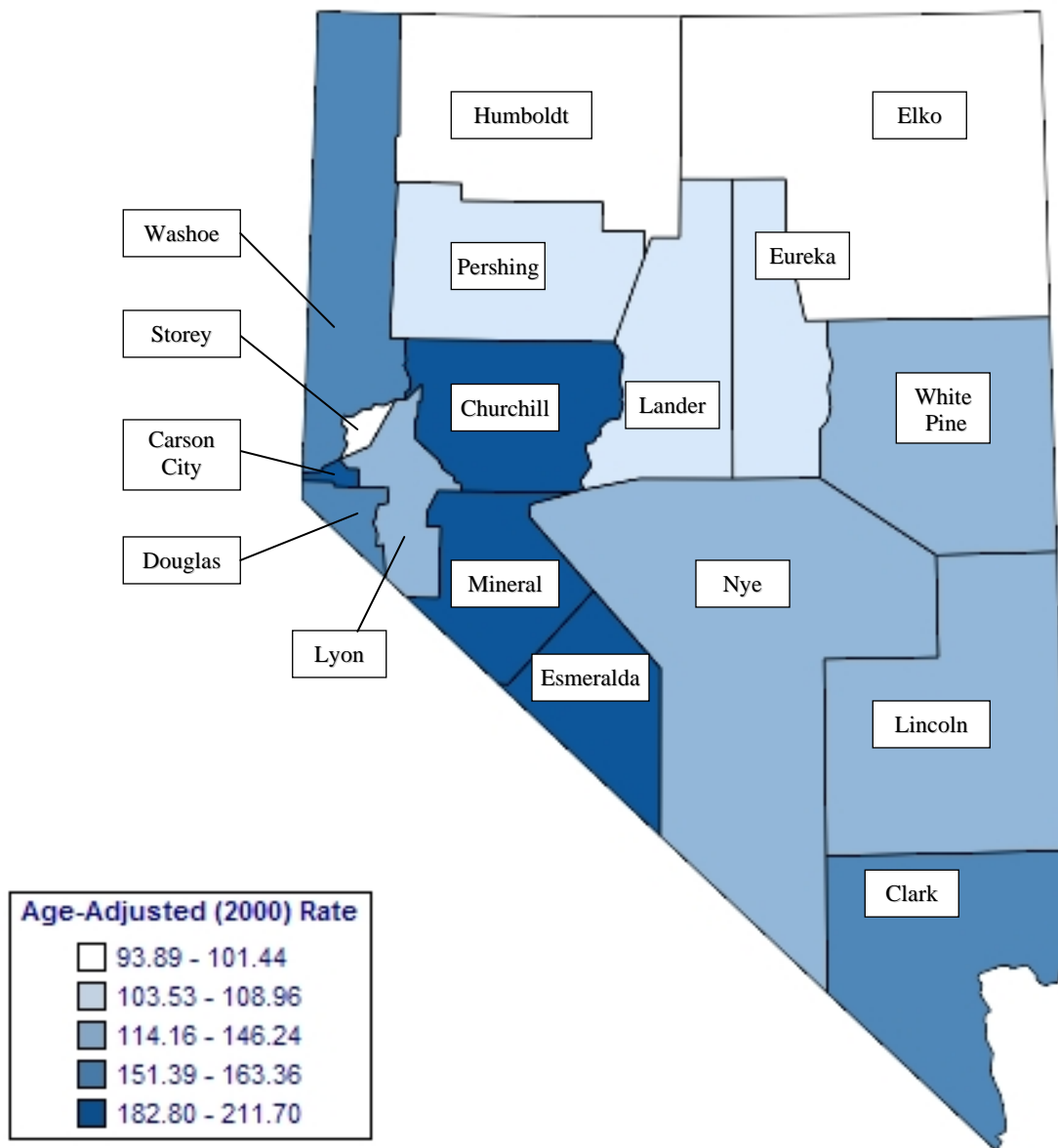
"N"= response numbers and "%"= Weighted prevalence rates

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, 2000-2004



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, 2000-2004

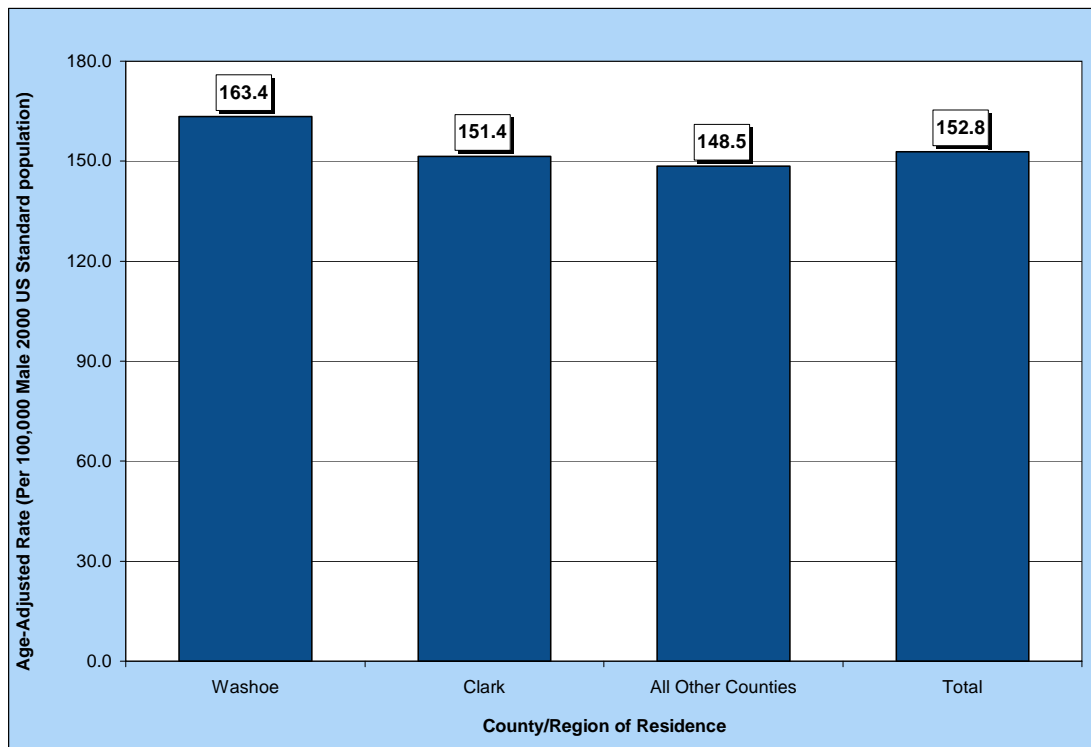


Figure 65. Prostate Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 2000-2004

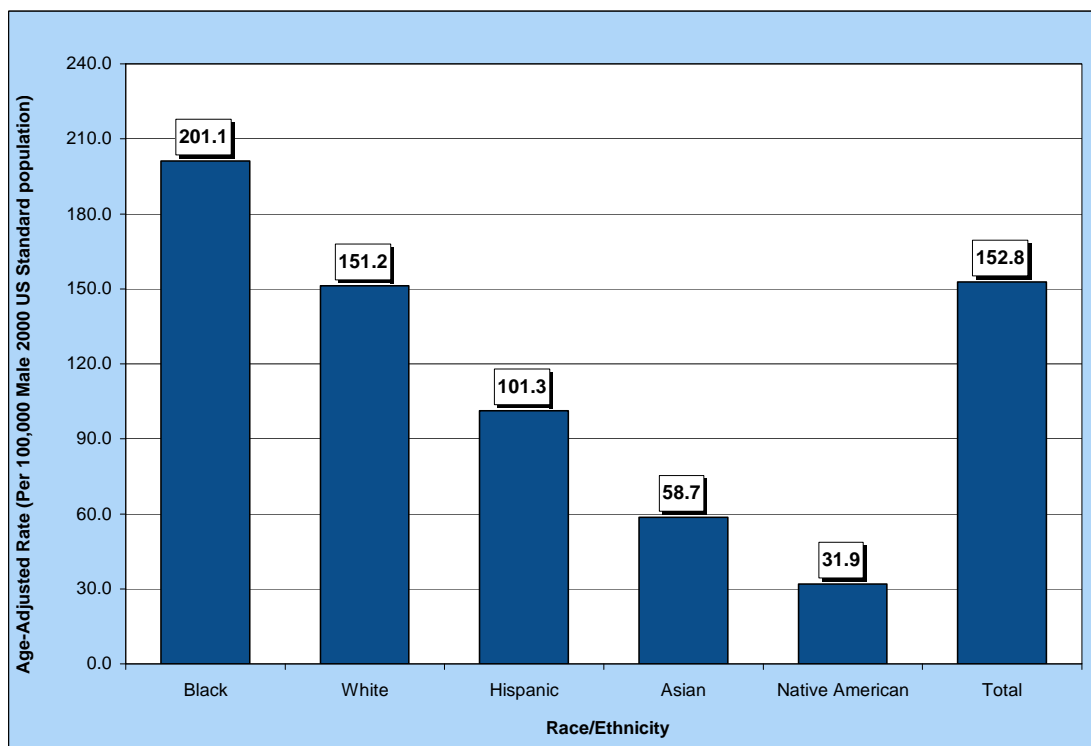


Table 86. Prostate Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (2000-2004) and SEER-17 (2000-2004)

Category	County/Region of Residence					SEER 17 (2000-2004)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,569	5,145	1,243	1,180	1	258,706
Rate*	71.7	71.0	75.7	71.0	---	73.9
95% C.I.	(70.1-73.4)	(69.0-73.0)	(71.5-80.1)	(67.0-75.3)	---	(73.6-74.2)
Gender						
Male	7,569	5,145	1,243	1,180	1	258,706
Rate*	152.8	151.4	163.4	148.5	---	168.0
95% C.I.	(149.3-156.5)	(147.1-155.9)	(154.0-173.3)	(139.9-157.7)	---	(167.3-168.6)
Female	---	---	---	---	---	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	6,241	4,037	1,113	1,090	1	207,527
Rate*	151.2	147.9	166.7	149.4	---	161.4
95% C.I.	(147.3-155.2)	(143.2-152.7)	(156.8-177.4)	(140.3-158.9)	---	(160.7-162.1)
Black	503	470	25	8	0	31,294
Rate*	201.1	204.4	187.9	---	---	255.5
95% C.I.	(182.3-222.4)	(184.4-227.4)	(117.3-293.3)	---	---	(252.6-258.5)
Native American	16	1	5	10	0	657
Rate*	31.9	---	---	53.2	---	52.5
95% C.I.	(17.6-55.0)	---	---	(25.0-102.9)	---	(48.3-57.1)
Asian	119	91	25	3	0	11,261
Rate*	58.7	55.4	80.7	---	---	96.5
95% C.I.	(47.9-73.5)	(43.5-73.2)	(51.5-122.5)	---	---	(94.7-98.3)
Hispanic	318	248	43	27	0	20,118
Rate*	101.3	103.6	101.4	81.7	---	140.7
95% C.I.	(88.3-116.7)	(88.3-122.6)	(68.9-149.7)	(51.4-128.0)	---	(138.6-142.7)
Other/Unknown	372	298	32	42	0	0

*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 (2000-2004) and SEER-17 (2000-2004)

Category	County/Region of Residence					SEER 17 (2000-2004)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,569	5,145	1,243	1,180	1	258,706
Rate*	152.8	151.4	163.4	148.5	---	168.0
95% C.I.	(149.3-156.5)	(147.1-155.9)	(154.0-173.3)	(139.9-157.7)	---	(167.3-168.6)
Age Group						
<1	0	0	0	0	0	3
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.3)
1-4	0	0	0	0	0	5
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	0	0	0	0	0	3
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	21
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
35-44	23	15	3	5	0	1,348
Rate*	2.6	2.4	---	---	---	4.5
95% C.I.	(1.54-3.66)	(1.18-3.59)	---	---	---	(4.3-4.8)
45-54	540	375	85	80	0	21,612
Rate*	71.3	73.4	63.8	71.2	---	85.1
95% C.I.	(65.33-77.36)	(65.94-80.79)	(50.20-77.31)	(55.56-86.75)	---	(84.0-86.2)
55-64	2,072	1,411	350	311	0	70,555
Rate*	385.0	385.6	397.5	369.4	---	445.8
95% C.I.	(368.40-401.56)	(365.44-405.67)	(355.85-439.14)	(328.34-410.45)	---	(442.6-449.2)
65-74	3,097	2,156	494	446	1	94,958
Rate*	876.5	886.3	948.3	769.5	---	961.1
95% C.I.	(845.67-907.41)	(848.86-923.68)	(864.67-1,031.92)	(698.06-840.89)	---	(955.0-967.3)
75-84	1,550	1,018	258	274	0	58,010
Rate*	834.8	801.8	946.7	871.3	---	946.0
95% C.I.	(793.27-876.40)	(752.55-851.06)	(831.15-1,062.18)	(768.11-974.44)	---	(938.3-953.7)
85+	284	167	53	64	0	12,184
Rate*	894.0	835.1	946.6	1,037.2	---	707.6
95% C.I.	(790.03-997.99)	(708.45-961.78)	(691.73-1,201.42)	(783.06-1,291.27)	---	(695.1-720.2)
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, 2000-2004

County of Residence at Diagnosis	2000-2004 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	287	228.7	(202.3-255.2)	211.7	(187.7-238.3)
Churchill	115	183.8	(150.2-217.4)	197.4	(162.1-239.9)
Clark	5,145	131.4	(127.8-135.0)	151.4	(147.1-155.9)
Douglas	222	199.1	(172.9-225.3)	158.9	(137.7-183.3)
Elko	58	48.7	(36.2-61.3)	93.9	(65.9-134.5)
Esmeralda	7	---	---	---	---
Eureka	5	---	---	---	---
Humboldt	35	82.1	(54.9-109.3)	96.0	(65.9-136.3)
Lander	12	85.2	(37.0-133.3)	103.5	(50.0-207.1)
Lincoln	15	172.9	(85.4-260.4)	132.2	(73.1-229.9)
Lyon	173	174.8	(148.7-200.8)	146.2	(124.9-171.0)
Mineral	34	284.5	(188.9-380.2)	184.9	(127.1-263.8)
Nye	160	178.4	(150.7-206.0)	114.2	(96.5-135.5)
Pershing	12	86.2	(37.4-135.0)	106.0	(52.6-199.9)
Storey	13	136.6	(62.3-210.9)	101.4	(51.9-183.4)
Washoe	1,243	136.5	(128.9-144.1)	163.4	(154.0-173.3)
White Pine	32	171.7	(112.2-231.2)	136.1	(92.7-195.5)
Unknown	1	---	---	---	---
Total	7,569	136.2	(133.1-139.2)	152.8	(149.3-156.5)

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, 2000-2004

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	6,241	0	0	6,241
	Rate*	151.2	---	---	71.9
	95% C.I.	(147.3-155.2)	---	---	(70.2-73.8)
Black	Incidence	503	0	0	503
	Rate*	201.1	---	---	92.2
	95% C.I.	(182.3-222.4)	---	---	(84.0-101.2)
Native American	Incidence	16	0	0	16
	Rate*	31.9	---	---	14.7
	95% C.I.	(17.6-55.0)	---	---	(8.2-25.1)
Asian	Incidence	119	0	0	119
	Rate*	58.7	---	---	24.5
	95% C.I.	(47.9-73.5)	---	---	(20.0-30.6)
Hispanic	Incidence	318	0	0	318
	Rate*	101.3	---	---	45.3
	95% C.I.	(88.3-116.7)	---	---	(39.9-51.5)
Other/Unknown	372	0	0	372	
Total	Incidence	7,569	0	0	7,569
	Rate*	152.8	---	---	71.7
	95% C.I.	(149.3-156.5)	---	---	(70.1-73.4)

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, 2000-2004

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	23	0	0	23
Rate*	2.60	---	---	2.60
95% C.I.	(1.54-3.66)	---	---	(1.54-3.66)
45-54	540	0	0	540
Rate*	71.34	---	---	71.34
95% C.I.	(65.33-77.36)	---	---	(65.33-77.36)
55-64	2,072	0	0	2,072
Rate*	384.98	---	---	384.98
95% C.I.	(368.40-401.56)	---	---	(368.40-401.56)
65-74	3,097	0	0	3,097
Rate*	876.54	---	---	876.54
95% C.I.	(845.67-907.41)	---	---	(845.67-907.41)
75-84	1,550	0	0	1,550
Rate*	834.84	---	---	834.84
95% C.I.	(793.27-876.40)	---	---	(793.27-876.40)
85+	284	0	0	284
Rate*	894.01	---	---	894.01
95% C.I.	(790.03-997.99)	---	---	(790.03-997.99)
Unknown	1	0	0	1
Total	7,569	0	0	7,569
Rate*	136.16	---	---	69.18
95% C.I.	(133.1-139.2)	---	---	(67.6-70.7)

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, 2000-2004

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	---	0	0	0	1	1
	Percent	---	---	---	---	100.0%	100.0%
35-44	Number	---	12	3	1	7	23
	Percent	---	52.2%	13.0%	4.3%	30.4%	100.0%
45-54	Number	---	389	52	17	82	540
	Percent	---	72.0%	9.6%	3.1%	15.2%	100.0%
55-64	Number	---	1,475	258	46	293	2,072
	Percent	---	71.2%	12.5%	2.2%	14.1%	100.0%
65-74	Number	---	2,306	206	85	500	3,097
	Percent	---	74.5%	6.7%	2.7%	16.1%	100.0%
75-84	Number	---	1,089	56	65	340	1,550
	Percent	---	70.3%	3.6%	4.2%	21.9%	100.0%
85+	Number	---	150	12	18	104	284
	Percent	---	52.8%	4.2%	6.3%	36.6%	100.0%
Unknown	Number	---	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
Total	Number	---	5,423	587	232	1,327	7,569
	Percent	---	71.6%	7.8%	3.1%	17.5%	100.0%

Table 92. Prostate Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 2000-2004

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	4,522	373	10	73	233	212	5,423
	Percent	72.5%	74.2%	62.5%	61.3%	73.3%	57.0%	71.6%
Regional	Number	512	35	3	5	21	11	587
	Percent	8.2%	7.0%	18.8%	4.2%	6.6%	3.0%	7.8%
Distant	Number	194	15	0	10	10	3	232
	Percent	3.1%	3.0%	---	8.4%	3.1%	0.8%	3.1%
Unstaged	Number	1,013	80	3	31	54	146	1,327
	Percent	16.2%	15.9%	18.8%	26.1%	17.0%	39.2%	17.5%
Total	Number	6,241	503	16	119	318	372	7,569
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

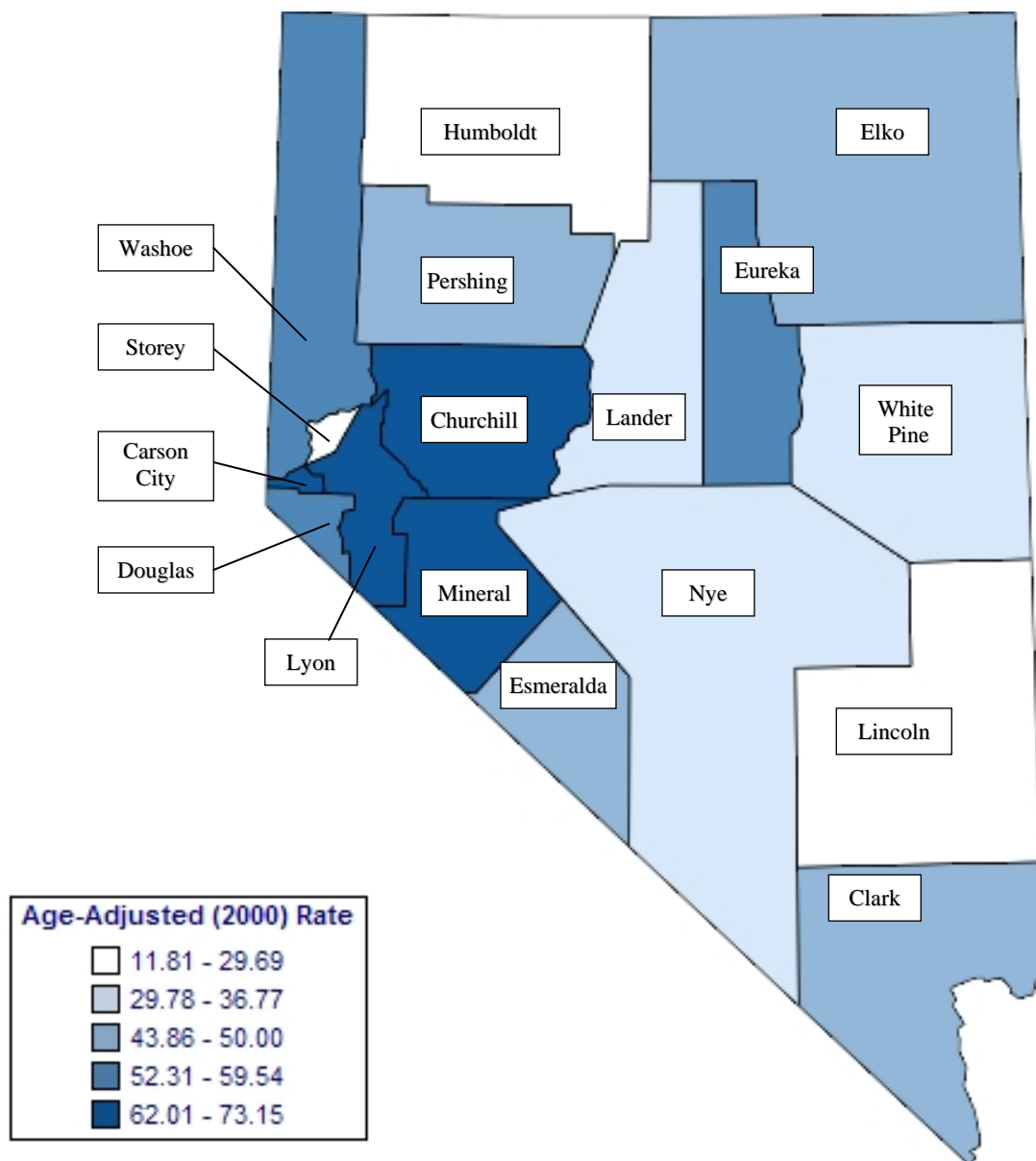
Table 93. Median Age at Diagnosis of Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	6,240	68.0	---	---	6,240	68.0
Black	503	65.0	---	---	503	65.0
Native American	16	69.5	---	---	16	69.5
Asian	119	68.0	---	---	119	68.0
Hispanic	318	67.0	---	---	318	67.0
Other/Unknown	372	69.0	---	---	372	69.0
Total	7,568	68.0	---	---	7,568	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, 2000-2004



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, 2000-2004

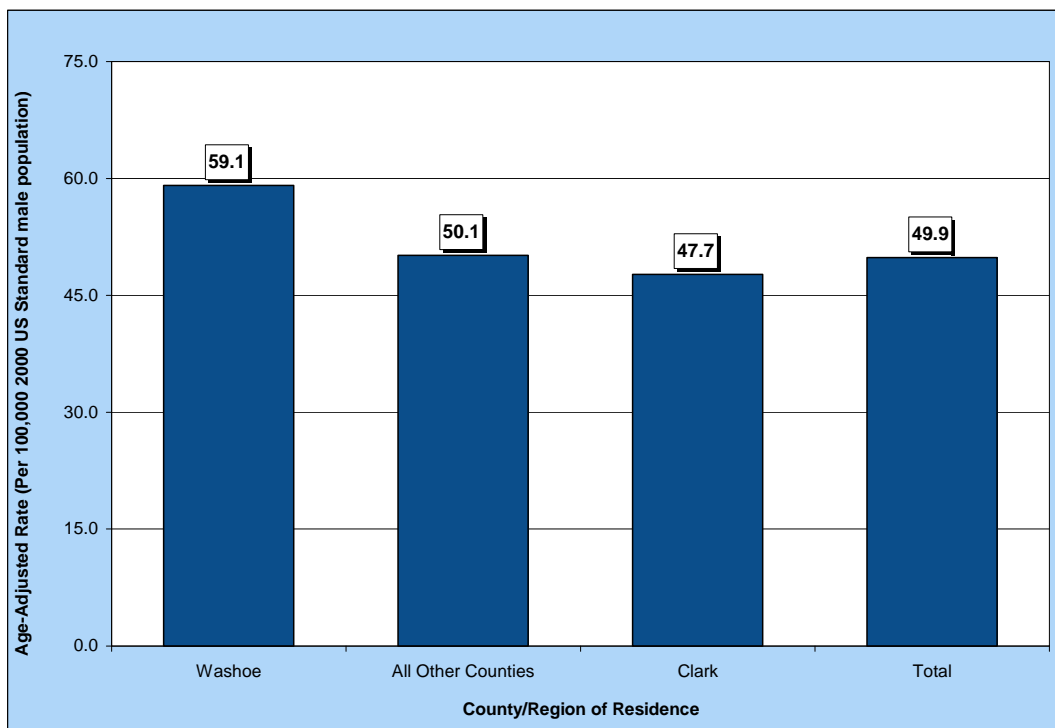


Figure 68. Median Charges for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

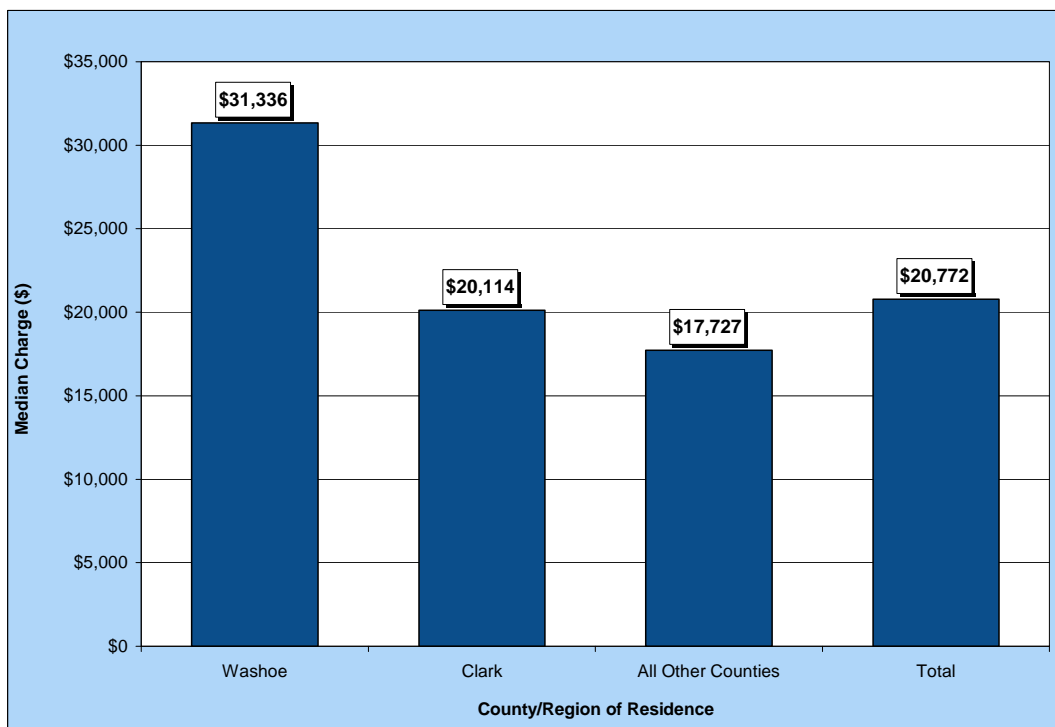


Figure 69. Average Length of Stay for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

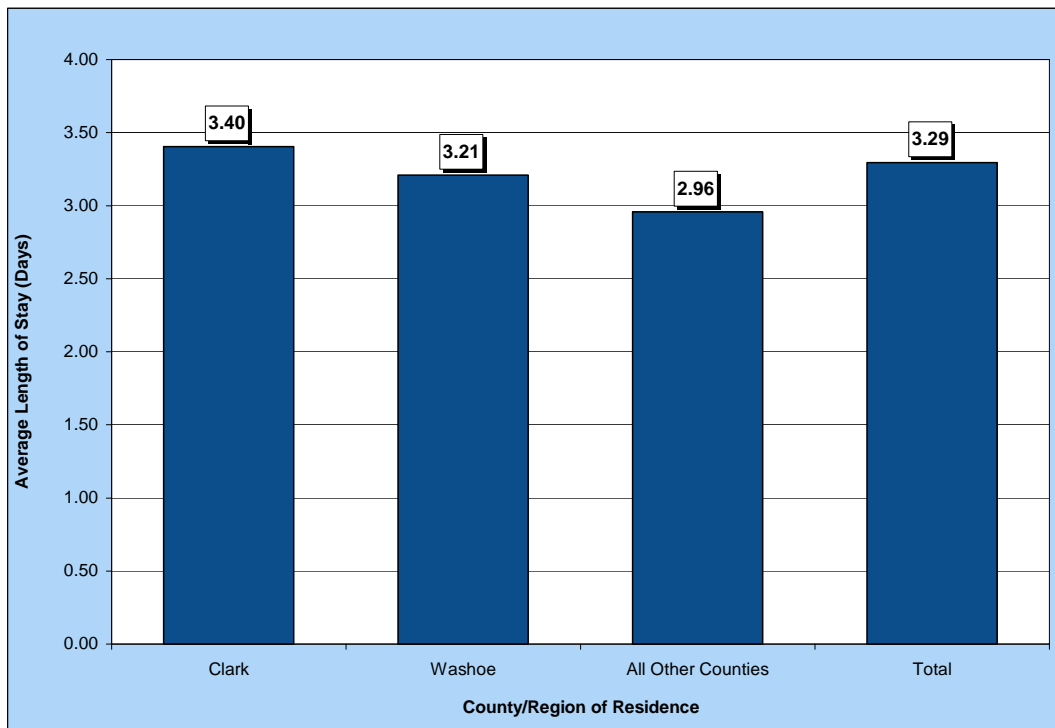


Table 94. Prostate Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,614	1,696	493	425	0
Rate*	23.8	22.6	28.3	24.5	---
95% C.I.	(22.9-24.7)	(21.5-23.7)	(25.8-31.0)	(22.2-27.0)	---
Gender					
Male	2,614	1,696	493	425	0
Rate*	49.9	47.7	59.1	50.1	---
95% C.I.	(47.9-51.9)	(45.3-50.2)	(53.8-64.9)	(45.3-55.4)	---
Female	---	---	---	---	---
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$63,464,400	\$40,128,751	\$14,780,126	\$8,555,523	\$0
Average Charges	\$24,279	\$23,661	\$29,980	\$20,131	\$0
Median Charges	\$20,772	\$20,114	\$31,336	\$17,727	\$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	8,611	5,772	1,582	1,257	0
Average LOS	3.3	3.4	3.2	3.0	0.0
Median LOS	3.0	3.0	3.0	3.0	0.0

* 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, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	2,614	1,696	493	425
Rate*	47.0	22.0	27.5	29.3
95% C.I.	(45.2-48.8)	(21.0-23.1)	(25.0-29.9)	(26.5-32.1)
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	15	10	1	4
Rate*	1.7	1.6	---	---
95% C.I.	(0.84-2.55)	(0.60-2.57)	---	---
45-54	321	207	72	42
Rate*	42.4	40.5	54.0	37.4
95% C.I.	(37.77-47.05)	(34.98-46.01)	(41.53-66.48)	(26.06-48.66)
55-64	1,019	654	189	176
Rate*	189.3	178.7	214.7	209.1
95% C.I.	(177.71-200.96)	(165.01-192.40)	(184.05-245.25)	(178.16-239.93)
65-74	905	579	175	151
Rate*	256.1	238.0	335.9	260.5
95% C.I.	(239.45-272.83)	(218.62-257.40)	(286.16-385.71)	(218.97-302.07)
75-84	278	199	42	37
Rate*	149.7	156.7	154.1	117.7
95% C.I.	(132.13-167.33)	(134.96-178.52)	(107.50-200.72)	(79.74-155.56)
85+	76	47	14	15
Rate*	239.2	235.0	250.0	243.1
95% C.I.	(185.45-293.03)	(167.84-302.23)	(119.06-381.02)	(120.07-366.10)
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, 2000-2004

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	15	---	15
Rate*	1.69	---	1.69
95% C.I.	(0.84-2.55)	---	(0.84-2.55)
45-54	321	---	321
Rate*	42.41	---	42.41
95% C.I.	(37.77-47.05)	---	(37.77-47.05)
55-64	1,019	---	1,019
Rate*	189.33	---	189.33
95% C.I.	(177.71-200.96)	---	(177.71-200.96)
65-74	905	---	905
Rate*	256.14	---	256.14
95% C.I.	(239.45-272.83)	---	(239.45-272.83)
75-84	278	---	278
Rate*	149.73	---	149.73
95% C.I.	(132.13-167.33)	---	(132.13-167.33)
85+	76	---	76
Rate*	239.24	---	239.24
95% C.I.	(185.45-293.03)	---	(185.45-293.03)
Unknown	0	---	0
Total	2,614	---	2,614
Rate*	47.02	---	23.89
95% C.I.	(45.2-48.8)	---	(23.0-24.8)

* 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, 2000-2004

County of Residence	2000-2004 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	86	68.5	(54.0-83.0)	62.0	(49.6-77.1)
Churchill	43	68.7	(48.2-89.3)	69.1	(49.7-95.9)
Clark	1,696	43.3	(41.3-45.4)	47.7	(45.3-50.2)
Douglas	91	81.6	(64.8-98.4)	59.5	(47.6-74.7)
Elko	25	21.0	(12.8-29.2)	43.9	(22.9-79.9)
Esmeralda	2	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	14	32.8	(15.6-50.0)	29.7	(16.1-51.4)
Lander	6	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	85	85.9	(67.6-104.1)	69.3	(55.1-86.9)
Mineral	13	108.8	(49.7-167.9)	73.1	(38.3-130.5)
Nye	41	45.7	(31.7-59.7)	29.8	(21.0-42.7)
Pershing	6	---	---	---	---
Storey	2	---	---	---	---
Washoe	493	54.1	(49.4-58.9)	59.1	(53.8-64.9)
White Pine	7	---	---	---	---
Unknown	0	---	---	---	---
Total	2,614	47.0	(45.2-48.8)	49.9	(47.9-51.9)

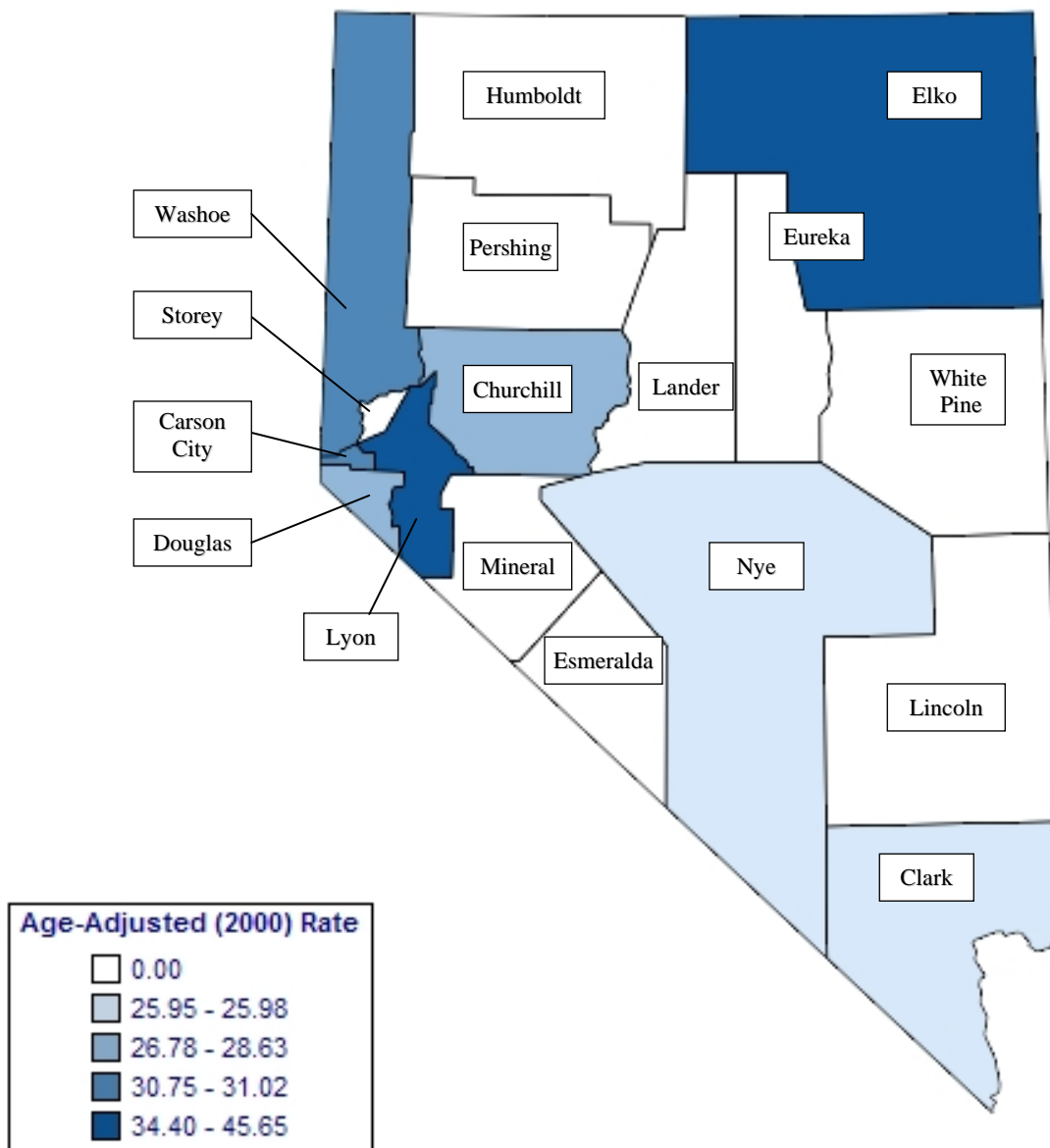
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 98. Prostate Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 2000-2004

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	15	397,424	26,495	21,858	47	3.1	3.0
45-54	321	8,529,109	26,570	22,274	1,030	3.2	3.0
55-64	1,019	25,321,412	24,849	21,854	3,287	3.2	3.0
65-74	905	21,341,726	23,582	20,714	2,904	3.2	3.0
75-84	278	6,392,280	22,994	13,988	1,022	3.7	2.0
85+	76	1,482,449	19,506	13,266	321	4.2	2.0
Unknown	0	---	---	---	---	---	---
Total	2,614	63,464,400	24,279	20,772	8,611	3.3	3.0

MORTALITY

Figure 70. Prostate Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 2000-2004



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, 2000-2004

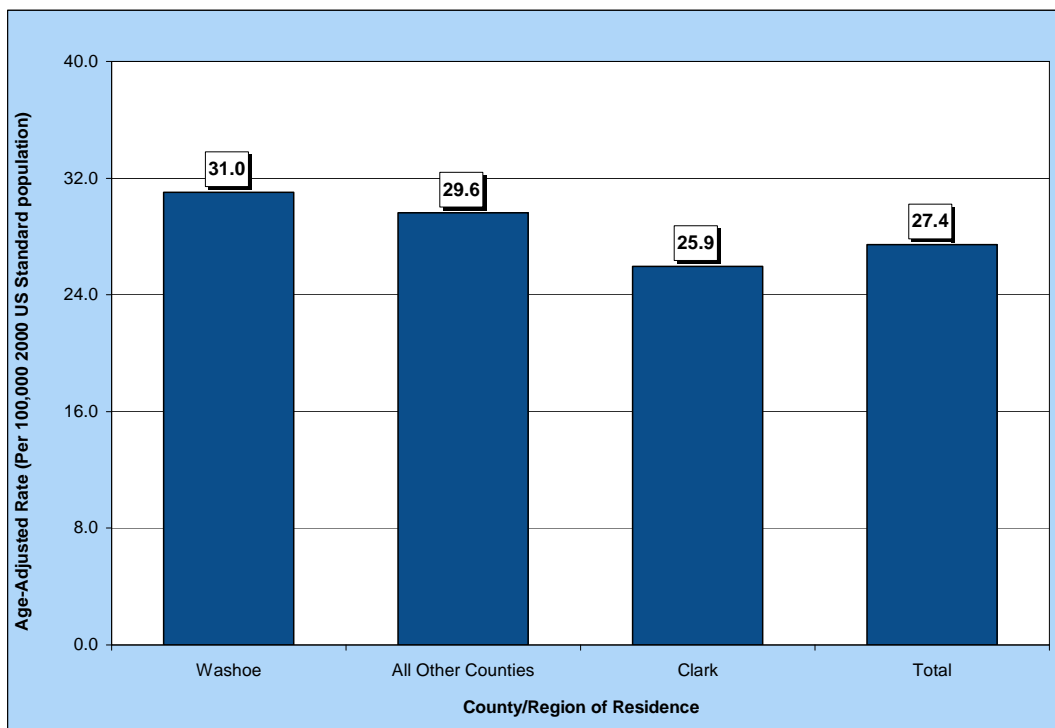


Figure 72. Prostate Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 2000-2004

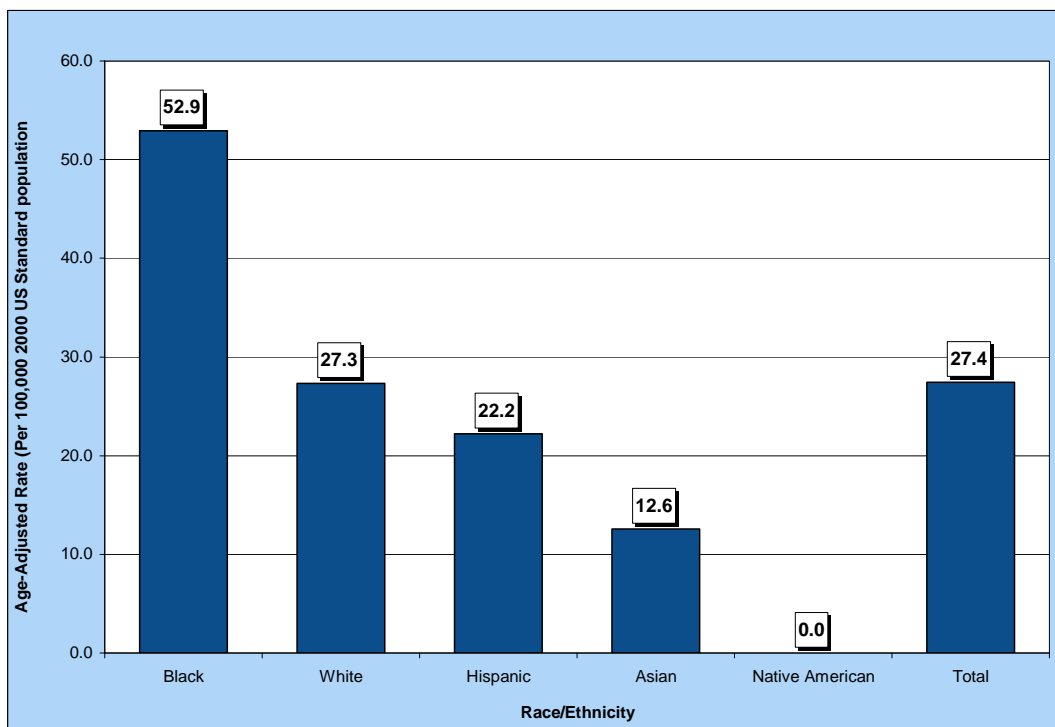


Table 99. Prostate Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	995	637	173	185
Rate*	11.4	10.7	12.4	12.9
95% C.I.	(10.7-12.1)	(9.9-11.6)	(10.6-14.4)	(11.1-15.0)
Gender				
Male	995	637	173	185
Rate*	27.4	25.9	31.0	29.6
95% C.I.	(25.6-29.4)	(23.8-28.3)	(26.3-36.4)	(25.3-34.6)
Female	---	---	---	---
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	856	517	162	177
Rate*	27.3	24.9	32.8	30.6
95% C.I.	(25.4-29.4)	(22.6-27.4)	(27.7-38.7)	(26.0-35.9)
Black	86	81	4	1
Rate*	52.9	55.7	---	---
95% C.I.	(40.6-68.6)	(42.1-73.2)	---	---
Native American	3	0	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	16	11	4	1
Rate*	12.6	12.8	---	---
95% C.I.	(6.4-24.2)	(5.2-28.6)	---	---
Hispanic	34	28	3	3
Rate*	22.2	27.6	---	---
95% C.I.	(14.4-33.3)	(16.7-44.0)	---	---
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, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	995	637	173	185
Rate*	27.4	25.9	31.0	29.6
95% C.I.	(25.6-29.4)	(23.8-28.3)	(26.3-36.4)	(25.3-34.6)
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	19	7	7	5
Rate*	2.5	---	---	---
95% C.I.	(1.38-3.64)	---	---	---
55-64	78	56	9	13
Rate*	14.5	15.3	---	15.4
95% C.I.	(11.28-17.71)	(11.29-19.31)	---	(7.05-23.83)
65-74	271	179	45	47
Rate*	76.7	73.6	86.4	81.1
95% C.I.	(67.57-85.83)	(62.80-84.36)	(61.14-111.62)	(57.91-104.27)
75-84	399	262	65	72
Rate*	214.9	206.4	238.5	229.0
95% C.I.	(193.82-235.99)	(181.37-231.35)	(180.52-296.48)	(176.06-281.83)
85+	228	133	47	48
Rate*	717.7	665.1	839.4	777.9
95% C.I.	(624.56-810.89)	(552.06-778.13)	(599.43-1,079.40)	(557.81-997.93)
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, 2000-2004

County of Residence at Diagnosis	2000-2004 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	40	31.9	(22.0-41.8)	30.7	(21.8-42.5)
Churchill	13	20.8	(9.5-32.1)	28.6	(14.7-51.7)
Clark	637	16.3	(15.0-17.5)	25.9	(23.8-28.3)
Douglas	26	23.3	(14.4-32.3)	26.8	(16.9-40.9)
Elko	14	11.8	(5.6-17.9)	45.6	(22.0-85.7)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	6	---	---	---	---
Lander	4	---	---	---	---
Lincoln	4	---	---	---	---
Lyon	33	33.3	(22.0-44.7)	34.4	(23.3-49.6)
Mineral	5	---	---	---	---
Nye	26	29.0	(17.8-40.1)	26.0	(16.1-40.7)
Pershing	3	---	---	---	---
Storey	1	---	---	---	---
Washoe	173	19.0	(16.2-21.8)	31.0	(26.3-36.4)
White Pine	8	---	---	---	---
Unknown	0	---	---	---	---
Total	995	17.9	(16.8-19.0)	27.4	(25.6-29.4)

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, 2000-2004

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	856	0	0	856
	Rate*	27.3	---	---	11.4
	95% C.I.	(25.4-29.4)	---	---	(10.7-12.2)
Black	Incidence	86	0	0	86
	Rate*	52.9	---	---	21.2
	95% C.I.	(40.6-68.6)	---	---	(16.7-26.7)
Native American	Incidence	3	0	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	16	0	0	16
	Rate*	12.6	---	---	5.2
	95% C.I.	(6.4-24.2)	---	---	(2.7-9.9)
Hispanic	Incidence	34	0	0	34
	Rate*	22.2	---	---	8.6
	95% C.I.	(14.4-33.3)	---	---	(5.7-12.5)
Other/Unknown		0	0	0	0
Total	Incidence	995	0	0	995
	Rate*	27.4	---	---	11.4
	95% C.I.	(25.6-29.4)	---	---	(10.7-12.1)

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, 2000-2004

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	19	---	19
Rate*	2.51	---	1.27
95% C.I.	(1.38-3.64)	---	(0.70-1.84)
55-64	78	---	78
Rate*	14.49	---	7.14
95% C.I.	(11.28-17.71)	---	(5.56-8.73)
65-74	271	---	271
Rate*	76.70	---	37.81
95% C.I.	(67.57-85.83)	---	(33.30-42.31)
75-84	399	---	399
Rate*	214.90	---	97.08
95% C.I.	(193.82-235.99)	---	(87.56-106.61)
85+	228	---	228
Rate*	717.72	---	239.97
95% C.I.	(624.56-810.89)	---	(208.82-271.12)
Unknown	0	---	0
Total	995	---	995
Rate*	17.90	---	9.09
95% C.I.	(16.8-19.0)	---	(8.5-9.7)

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

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

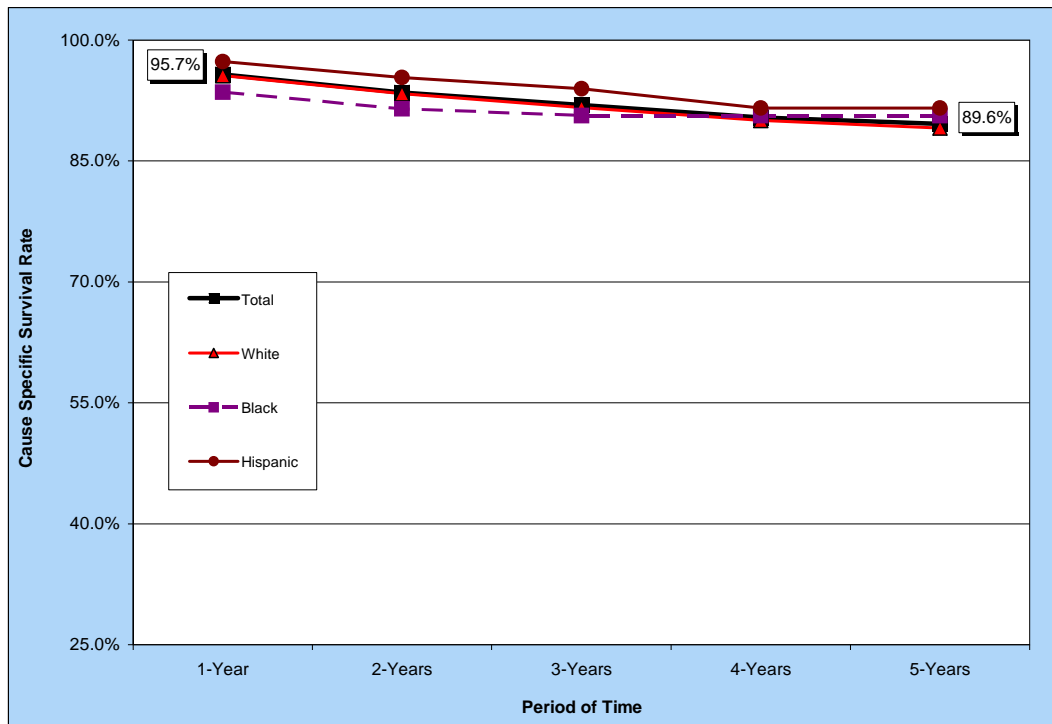
Table 104. Median Age at Death from Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	856	78.0	---	---	856	78.0
Black	86	74.5	---	---	86	74.5
Native American	3	---	---	---	3	---
Asian	16	77.0	---	---	16	77.0
Hispanic	34	78.5	---	---	34	78.5
Other/Unknown	0	---	---	---	0	---
Total	995	78.0	---	---	995	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, 2000-2004



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, 2000-2004

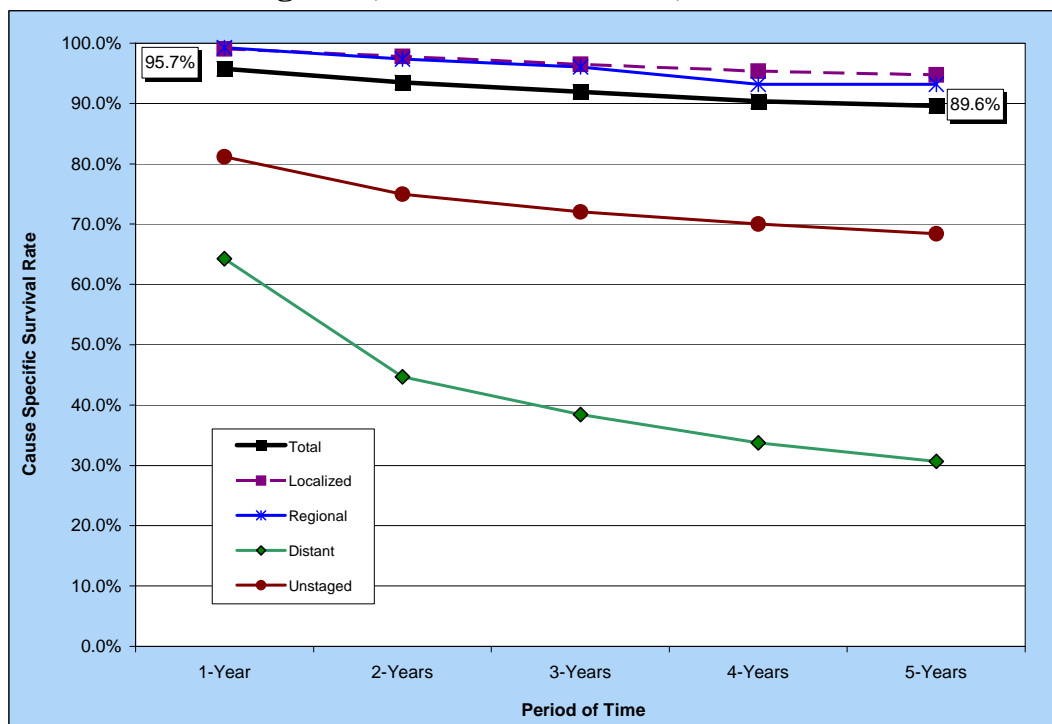


Table 105. Cause-Specific Survival Rates for Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

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	6,757	95.7%	93.5%	91.9%	90.4%	89.6%	> 5 YEARS
Male	6,757	95.7%	93.5%	91.9%	90.4%	89.6%	> 5 YEARS
Female	0	---	---	---	---	---	---
Race/Ethnicity							
White	5,533	95.6%	93.3%	91.6%	90.0%	89.1%	> 5 YEARS
Male	5,533	95.6%	93.3%	91.6%	90.0%	89.1%	> 5 YEARS
Female	0	---	---	---	---	---	---
Black	458	93.6%	91.5%	90.6%	90.6%	90.6%	> 5 YEARS
Male	458	93.6%	91.5%	90.6%	90.6%	90.6%	> 5 YEARS
Female	0	---	---	---	---	---	---
Native American	12	---	---	---	---	---	.
Male	12	---	---	---	---	---	.
Female	0	---	---	---	---	---	---
Asian	104	95.6%	92.5%	92.5%	88.5%	88.5%	> 5 YEARS
Male	104	95.6%	92.5%	92.5%	88.5%	88.5%	> 5 YEARS
Female	0	---	---	---	---	---	---
Hispanic	293	97.3%	95.4%	94.0%	91.6%	91.6%	> 5 YEARS
Male	293	97.3%	95.4%	94.0%	91.6%	91.6%	> 5 YEARS
Female	0	---	---	---	---	---	---

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, 2000-2004

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	6,757	6,757	---
	One Year	95.7%	95.7%	---
	5 Years	89.6%	89.6%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	4,863	4,863	---
	One Year	99.1%	99.1%	---
	5 Years	94.7%	94.7%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Regional	Cases	542	542	---
	One Year	99.2%	99.2%	---
	5 Years	93.2%	93.2%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Distant	Cases	199	199	---
	One Year	64.3%	64.3%	---
	5 Years	30.6%	30.6%	---
	Median Survival	1.73	1.73	---
Unstaged	Cases	1,153	1,153	---
	One Year	81.2%	81.2%	---
	5 Years	68.4%	68.4%	---
	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.