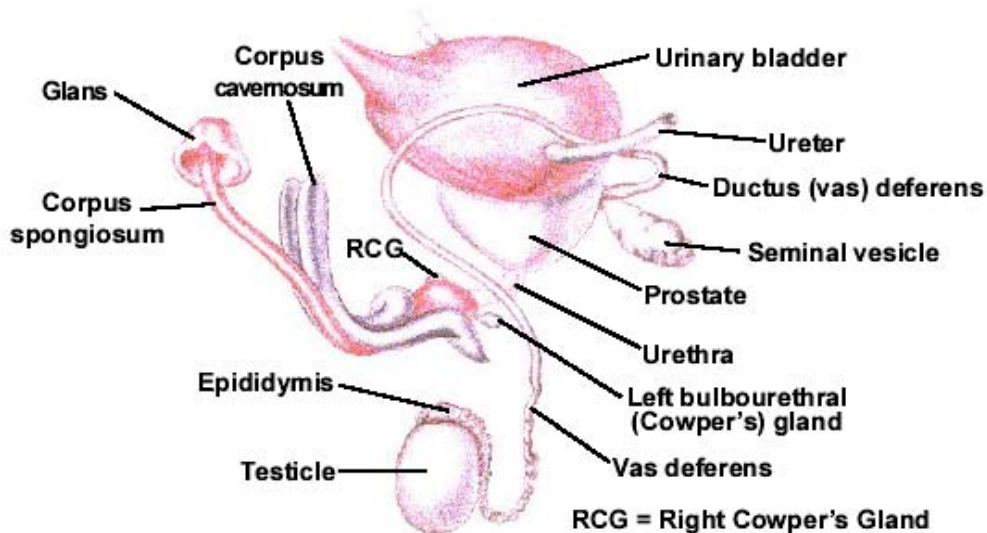


PROSTATE CANCER

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, 114.2, to the age-adjusted mortality rate, 29.2 (per 100,000 – 2000 US Standard male population) for Prostate Cancer, was 3.91 during the 1996 to 2000 period, which means that for every 3.91 cancer cases there was one death 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 1996 to 2000. The median age at time of death due to Prostate Cancer was 76 years. Black males had the lowest median age at time of diagnosis of Prostate Cancer (65 years) and the largest difference (10 years) between the median age at diagnosis and median age at time of death (75 years) during this period.
- Asian males had the highest median age at diagnosis of Prostate Cancer (71 years) and the smallest difference (3 years) between the median age at diagnosis and median age at time of death (74 years) during the 1996 to 2000 period.

CANCER SCREENING

- Of the 815 men in Nevada who were surveyed in 2001, 82.1% 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 high school had the lowest percentage (77.1%) 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 (90.3%) when the questions were asked in 2001.
- Those men whose income was either less than \$15,000 or \$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 percentages of 80.8% and 84.8%, respectively.

INCIDENCE

- Nevada's Prostate Cancer age-adjusted incidence rate, 114.2 (110.6-117.8), showed statistically significance in being lower than the 1995-1999 National rate of 165.5 (164.6-166.5) (per 100,000 – 2000 US Standard male population) during this period.
- There were 4,572 resident Prostate Cancer cases reported in Nevada from 1996 to 2000. Statistical significance tests show that Washoe County had the highest age-adjusted incidence rate of cancer once regional comparisons were made, with a rate of 144.8 (135.4-154.9). The All Other Counties region and Clark County followed with rates of 122.7 (114.1-132.0) and 104.3 (100.1-108.7) (per 100,000 population – 2000 US Standard population), respectively.

- 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 63.8 (55.9-73.0) and 56.1 (54.4-57.9), respectively, of all racial/ethnic groups. Asians, Hispanics and Native Americans, followed with rates of 25.3 (17.6-36.5), 22.5 (18.5-27.6) and 17.5 (9.2-31.4), respectively from 1996 to 2000.

INPATIENT HOSPITAL DISCHARGES

- There were 2,450 hospital inpatient discharges for Prostate Cancer to Nevada Residents from 1996 to 2000, with an age-adjusted inpatient discharge rate of 57.3 (per 100,000 – 2000 US Standard male population). The All Other Counties region had the highest cancer age-adjusted inpatient discharge rate, 59.9, once regional comparisons were made, and was followed by Clark County and Washoe County with rates of 57.6 and 53.3, respectively.
- Total billed charges for hospital inpatient discharges due Prostate Cancer in Nevada totaled nearly 50 million dollars from 1996 to 2000. Nevadans in the 55-74 year age group accounted for 76.1% of the total number of inpatient discharges and 80.8% of the total billed charges.
- Washoe County had a considerably higher median total billed charge for Prostate Cancer inpatient discharges (\$22,276) than Clark County (\$17,094) and All Other Counties (\$13,568) from 1996 to 2000.
- The overall average billed charge per day for a hospital inpatient discharge due to Prostate Cancer was just over \$5,400 in Nevada from 1996 to 2000.

MORTALITY

- There were 883 resident deaths due to Prostate Cancer in Nevada from 1996 to 2000. While Washoe County had the highest age-adjusted mortality rate from Prostate Cancer, 33.4, statistical analysis does not show statistical significance over the rates for Nevada overall, Clark County or All Other Counties, who had rates of 29.2, 28.2 and 28.2, respectively.
- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest cancer age-adjusted mortality rates of 17.5 and 12.6, respectively, of all racial/ethnic groups. They were followed by Asians and Hispanics who had age-adjusted mortality rates of 5.8 and 5.6 (per 100,000 – 2000 US Standard male population), respectively, from 1996 to 2000.

SURVIVAL RATE

- The one-year survival rate for Prostate Cancer in Nevada was 94.4% during the 1996 to 2000 period, while the five-year survival rate was 67.1% 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 99.4%, while those diagnosed at the regional, distant and unstaged stages had rates of 98.0%, 71.1% and 76.3%, respectively.
- The five-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 82.9%, while those recorded at the regional, distant and unstaged stages had rates of 80.2%, 8.3% and 33.3%, 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 1.76 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 (Revised)**

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	686	82.1%	(79.5%-84.7%)	129	17.9%	(15.3%-20.5%)	815
County/Region of Residence							
Clark County	216	79.7%	(74.9%-84.5%)	55	20.3%	(15.5%-25.1%)	271
Washoe County	213	85.7%	(81.4%-90.0%)	37	14.3%	(10.0%-18.6%)	250
All Other Counties	257	88.5%	(84.9%-92.1%)	37	11.5%	(7.9%-15.1%)	294
Education							
Less than High School	39	77.1%	(65.2%-89.0%)	9	22.9%	(11.0%-34.8%)	48
High School	173	69.2%	(63.2%-75.2%)	54	30.8%	(24.8%-36.8%)	227
Some Post High School	216	83.3%	(78.7%-87.9%)	38	16.7%	(12.1%-21.3%)	254
College Graduate	256	90.3%	(86.9%-93.7%)	37	9.7%	(6.3%-13.1%)	293
Age Group							
18-24 years old	0	---	---	0	---	---	0
25-34 years old	0	---	---	0	---	---	0
35-44 years old	103	61.3%	(53.4%-69.2%)	44	38.7%	(30.8%-46.6%)	147
45-54 years old	202	78.0%	(72.9%-83.1%)	54	22.0%	(16.9%-27.1%)	256
55-64 years old	175	90.8%	(86.8%-94.8%)	21	9.2%	(5.2%-13.2%)	196
65+ years old	206	94.0%	(90.8%-97.2%)	10	6.0%	(2.8%-9.2%)	216
Income							
Less than \$15,000	47	80.8%	(70.9%-90.7%)	14	19.2%	(9.3%-29.1%)	61
\$15,000 - \$24,999	40	74.0%	(62.0%-86.0%)	11	26.0%	(14.0%-38.0%)	51
\$25,000 - \$34,999	64	72.5%	(62.9%-82.1%)	19	27.5%	(17.9%-37.1%)	83
\$35,000 - \$49,999	120	74.8%	(67.8%-81.8%)	26	25.2%	(18.2%-32.2%)	146
\$50,000 or More	313	84.8%	(81.1%-88.5%)	41	15.2%	(11.5%-18.9%)	354

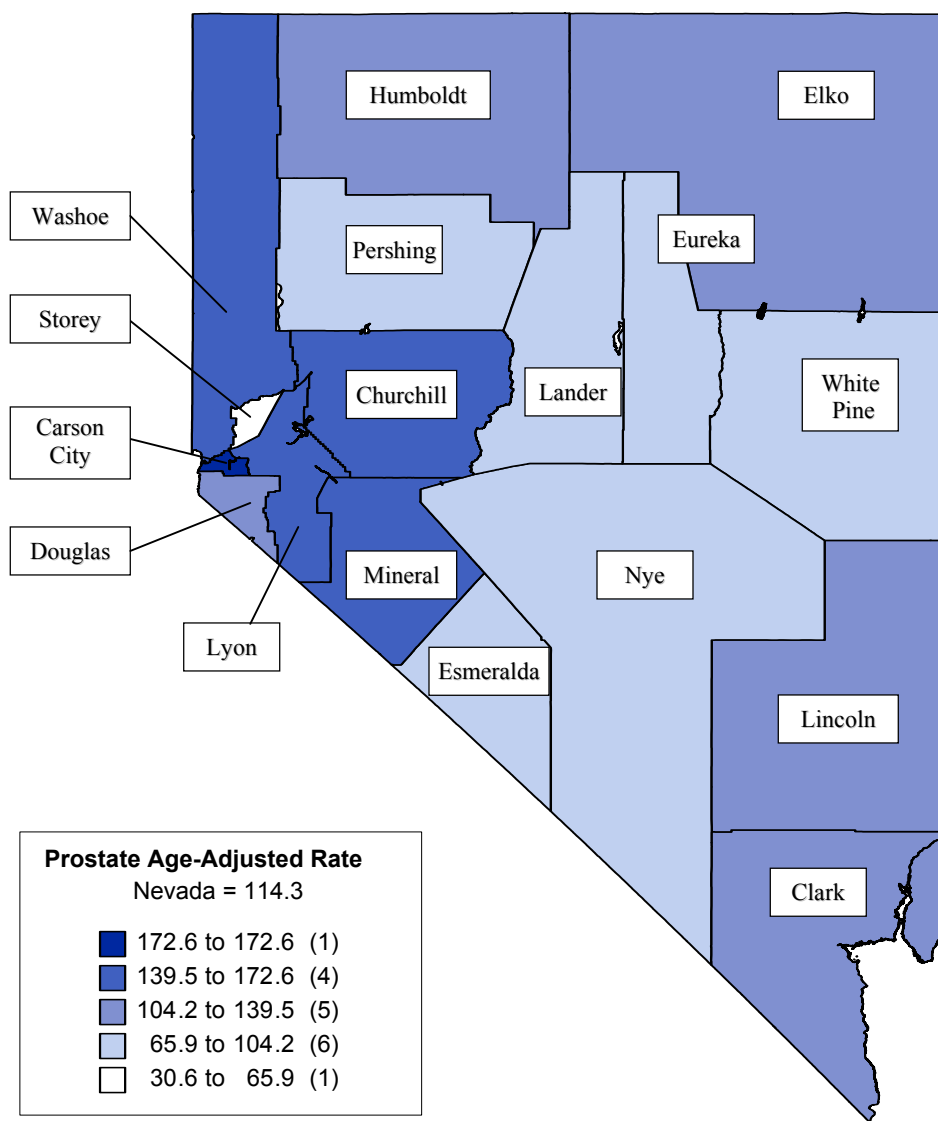
*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

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, 1996-2000



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, 1996-2000

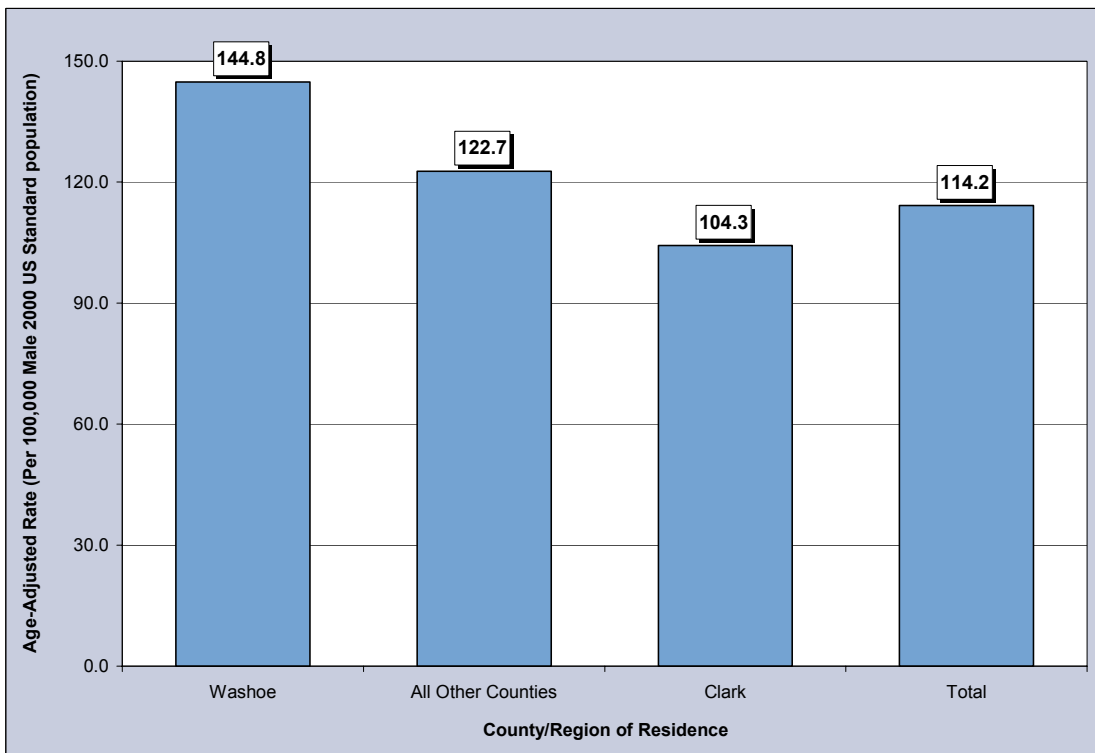


Figure 65. Prostate Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

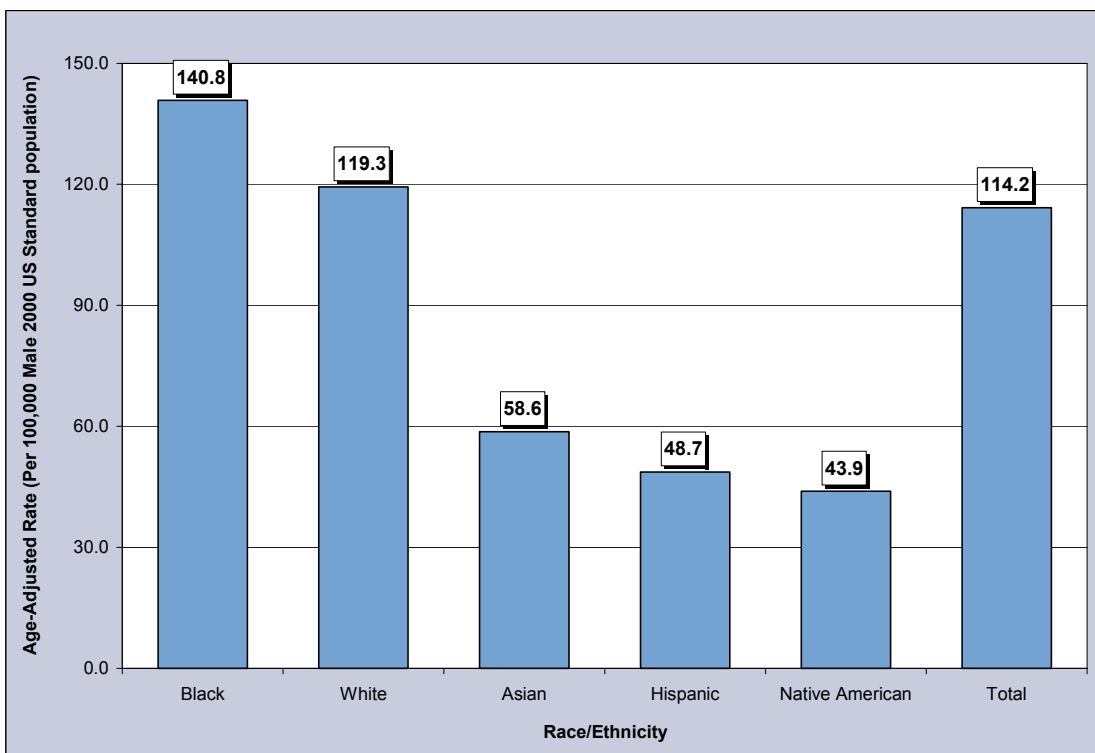


Table 86. Prostate Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	4,572	2,771	969	830	2	119,272
Rate*	53.1	48.3	66.7	58.3	---	71.6
95% C.I.	(51.5-54.7)	(46.5-50.2)	(62.5-71.1)	(54.4-62.6)	---	(71.2-72.0)
Gender						
Male	4,572	2,771	969	830	2	119,272
Rate*	114.2	104.3	144.8	122.7	---	165.5
95% C.I.	(110.6-117.8)	(100.1-108.7)	(135.4-154.9)	(114.1-132.0)	---	(164.6-166.5)
Female	0	0	0	0	0	0
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	4,076	2,365	912	797	2	94,367
Rate*	119.3	108.0	153.4	127.4	---	158.7
95% C.I.	(115.5-123.4)	(103.4-112.9)	(143.2-164.4)	(118.3-137.2)	---	(157.7-159.7)
Black	257	227	20	10	0	14,572
Rate*	140.8	136.5	172.2	236.9	---	257.3
95% C.I.	(122.0-163.4)	(117.0-160.5)	(101.1-289.5)	(112.4-516.1)	---	(253.0-261.6)
Native American	14	4	3	7	0	209
Rate*	43.9	---	---	---	---	51.7
95% C.I.	(21.1-86.5)	---	---	---	---	(44.7-59.7)
Asian	59	43	14	2	0	6,450
Rate*	58.6	58.0	55.5	---	---	100.9
95% C.I.	(41.0-84.0)	(37.3-90.2)	(29.0-125.3)	---	---	(98.4-103.5)
Hispanic	125	94	18	13	0	7,733
Rate*	48.7	47.1	49.6	51.2	---	117.2
95% C.I.	(39.6-60.8)	(37.4-62.0)	(28.3-92.8)	(25.2-98.2)	---	(114.5-119.9)
Other/Unknown	41	38	2	1	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 (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	4,572	2,771	969	830	2	119,272
Rate*	96.7	86.5	116.7	119.1	---	130.9
95% C.I.	(93.9-99.5)	(83.3-89.8)	(109.3-124.0)	(111.0-127.2)	---	(130.1-131.6)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	1	1	0	0	0	7
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	1	1	0	0	0	11
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
35-44	13	8	3	2	0	421
Rate*	1.7	---	---	---	---	2.7
95% C.I.	(0.8-2.6)	---	---	---	---	(2.4-3.0)
45-54	291	183	56	51	1	7,828
Rate*	47.5	45.8	48.7	51.9	---	69.5
95% C.I.	(42.1-53.0)	(39.2-52.5)	(36.0-61.5)	(37.7-66.1)	---	(67.9-71.0)
55-64	1,271	811	257	203	0	28,440
Rate*	296.5	283.2	357.9	287.5	---	423.4
95% C.I.	(280.2-312.7)	(263.7-302.7)	(314.1-401.7)	(248.0-327.1)	---	(418.4-428.3)
65-74	1,918	1,144	431	343	0	48,387
Rate*	627.3	558.9	882.7	656.8	---	938.8
95% C.I.	(599.3-655.4)	(526.5-591.3)	(799.3-966.0)	(587.3-726.4)	---	(930.4-947.1)
75-84	882	512	184	185	1	28,206
Rate*	598.1	522.6	780.7	713.3	---	973.2
95% C.I.	(558.6-637.5)	(477.3-567.9)	(667.9-893.5)	(610.5-816.1)	---	(961.9-984.6)
85+	195	111	38	46	0	5,964
Rate*	860.0	821.5	863.5	966.3	---	804.7
95% C.I.	(739.3-980.8)	(668.7-974.3)	(588.9-1,138.0)	(687.0-1,245.5)	---	(784.2-825.1)
Unknown	0	0	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, 1996-2000 (Revised)

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	223	185.2	(160.9-209.5)	172.6	(150.4-197.7)
Churchill	75	126.7	(98.0-155.4)	146.6	(114.4-186.9)
Clark	2,771	86.5	(83.3-89.8)	104.3	(100.1-108.7)
Douglas	139	137.9	(114.9-160.8)	124.8	(103.0-151.6)
Elko	56	46.8	(34.5-59.0)	117.0	(84.0-160.7)
Esmeralda	3	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	32	72.9	(47.6-98.2)	129.9	(84.8-199.3)
Lander	6	---	---	---	---
Lincoln	16	151.8	(77.4-226.2)	121.2	(68.3-218.3)
Lyon	133	162.1	(134.5-189.6)	139.5	(116.0-168.0)
Mineral	27	194.0	(120.8-267.2)	152.7	(96.3-242.9)
Nye	86	112.3	(88.6-136.0)	78.1	(61.6-100.6)
Pershing	8	---	---	---	---
Storey	4	---	---	---	---
Washoe	969	116.7	(109.3-124.0)	144.8	(135.4-154.9)
White Pine	19	86.5	(47.6-125.4)	84.6	(50.6-135.5)
Unknown	2	---	---	---	---
Total	4,572	96.7	(93.9-99.5)	114.2	(110.6-117.8)

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, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	4,076	0	0	4,076
	Rate*	119.3	---	---	56.1
	95% C.I.	(115.5-123.4)	---	---	(54.4-57.9)
Black	Incidence	257	0	0	257
	Rate*	140.8	---	---	63.8
	95% C.I.	(122.0-163.4)	---	---	(55.9-73.0)
Native American	Incidence	14	0	0	14
	Rate*	43.9	---	---	17.5
	95% C.I.	(21.1-86.5)	---	---	(9.2-31.4)
Asian	Incidence	59	0	0	59
	Rate*	58.6	---	---	25.3
	95% C.I.	(41.0-84.0)	---	---	(17.6-36.5)
Hispanic	Incidence	125	0	0	125
	Rate*	48.7	---	---	22.5
	95% C.I.	(39.6-60.8)	---	---	(18.5-27.6)
Other/Unknown	41	0	0	41	
Total	Incidence	4,572	0	0	4,572
	Rate*	114.2	---	---	53.1
	95% C.I.	(110.6-117.8)	---	---	(51.5-54.7)

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, 1996-2000

Age Group	Gender			
	Male	Female	Other/ 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	13	0	0	13
Rate*	1.7	---	---	0.9
95% C.I.	(0.8-2.6)	---	---	(0.4-1.3)
45-54	291	0	0	291
Rate*	47.5	---	---	24.1
95% C.I.	(42.1-53.0)	---	---	(21.3-26.8)
55-64	1,271	0	0	1,271
Rate*	296.5	---	---	147.6
95% C.I.	(280.2-312.7)	---	---	(139.5-155.8)
65-74	1,918	0	0	1,918
Rate*	627.3	---	---	309.4
95% C.I.	(599.3-655.4)	---	---	(295.6-323.2)
75-84	882	0	0	882
Rate*	598.1	---	---	269.1
95% C.I.	(558.6-637.5)	---	---	(251.3-286.9)
85+	195	0	0	195
Rate*	860.0	---	---	276.8
95% C.I.	(739.3-980.8)	---	---	(237.9-315.6)
Unknown	0	0	0	0
Total	4,572	0	0	4,572
Rate*	96.7	---	---	49.1
95% C.I.	(93.9-99.5)	---	---	(47.7-50.6)

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, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	0	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
25-34	Number	0	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
35-44	Number	0	9	3	0	1	13
	Percent	---	69.2%	23.1%	---	7.7%	100.0%
45-54	Number	0	206	50	6	29	291
	Percent	---	70.8%	17.2%	2.1%	10.0%	100.0%
55-64	Number	0	885	219	43	124	1,271
	Percent	---	69.6%	17.2%	3.4%	9.8%	100.0%
65-74	Number	0	1,327	212	107	272	1,918
	Percent	---	69.2%	11.1%	5.6%	14.2%	100.0%
75-84	Number	0	462	43	71	306	882
	Percent	---	52.4%	4.9%	8.0%	34.7%	100.0%
85+	Number	0	72	6	21	96	195
	Percent	---	36.9%	3.1%	10.8%	49.2%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	2,963	533	248	828	4,572
	Percent	---	64.8%	11.7%	5.4%	18.1%	100.0%

Table 92. Prostate Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	2,633	169	7	36	89	29	2,963
	Percent	64.6%	65.8%	50.0%	61.0%	71.2%	70.7%	64.8%
Regional	Number	486	27	1	3	12	4	533
	Percent	11.9%	10.5%	7.1%	5.1%	9.6%	9.8%	11.7%
Distant	Number	223	12	1	7	4	1	248
	Percent	5.5%	4.7%	7.1%	11.9%	3.2%	2.4%	5.4%
Unstaged	Number	734	49	5	13	20	7	828
	Percent	18.0%	19.1%	35.7%	22.0%	16.0%	17.1%	18.1%
Total	Number	4,076	257	14	59	125	41	4,572
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

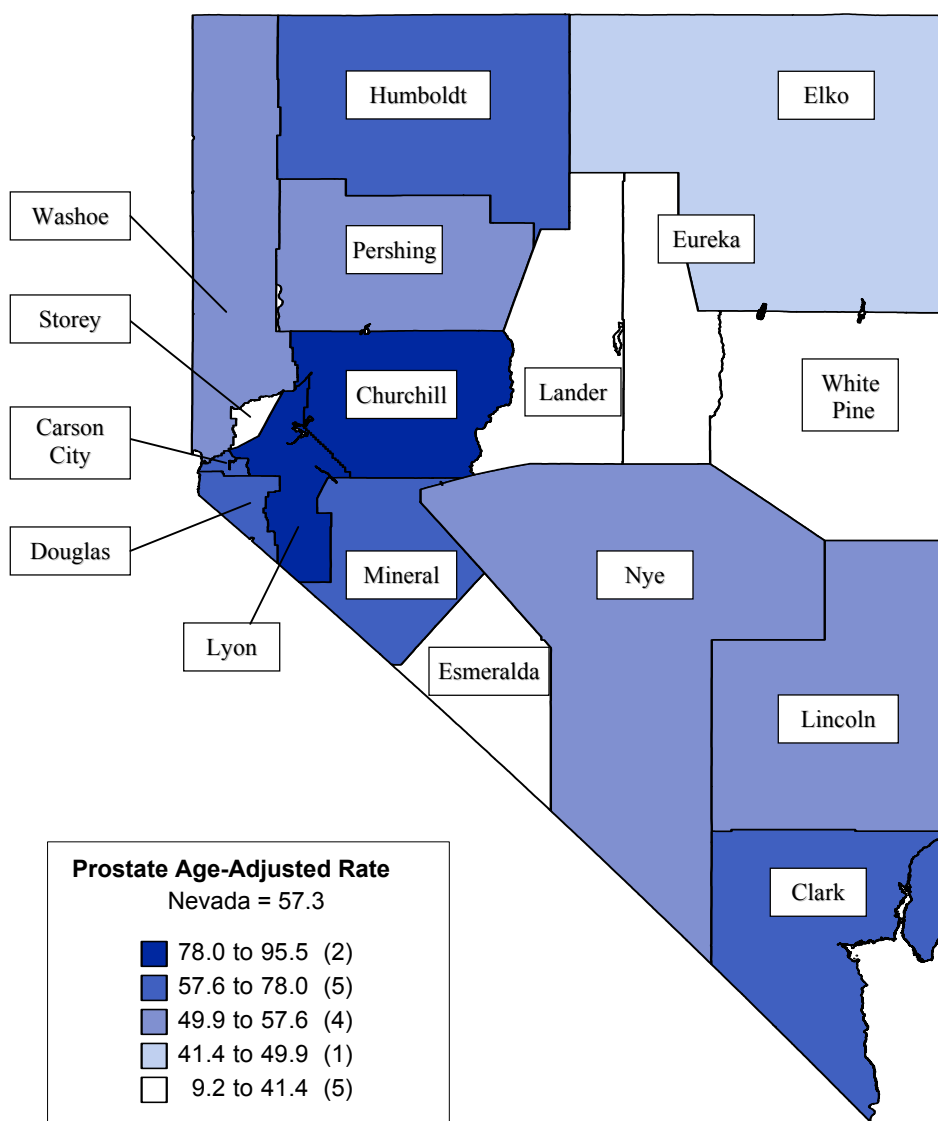
Table 93. Median Age at Diagnosis of Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	4,076	68.0	0	---	4,076	68.0
Black	257	65.0	0	---	257	65.0
Native American	14	69.0	0	---	14	69.0
Asian	59	71.0	0	---	59	71.0
Hispanic	125	66.0	0	---	125	66.0
Other/Unknown	41	65.0	0	---	41	65.0
Total	4,572	68.0	0	---	4,572	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, 1996-2000



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, 1996-2000

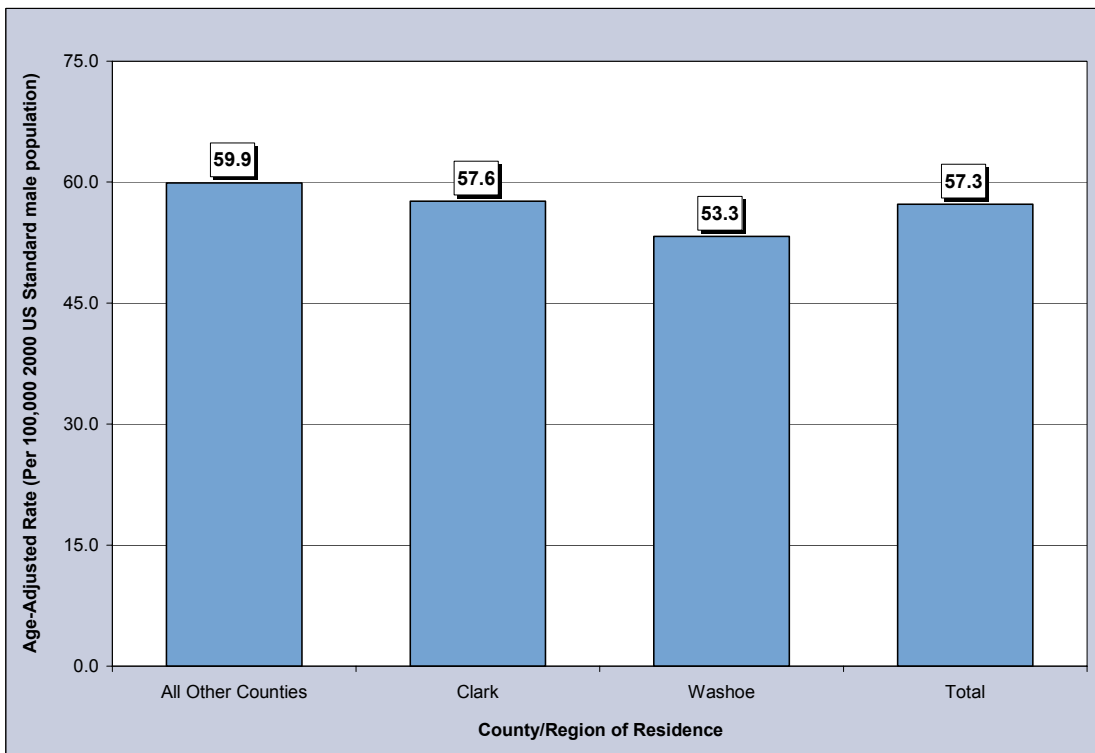


Figure 68. Median Charges for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

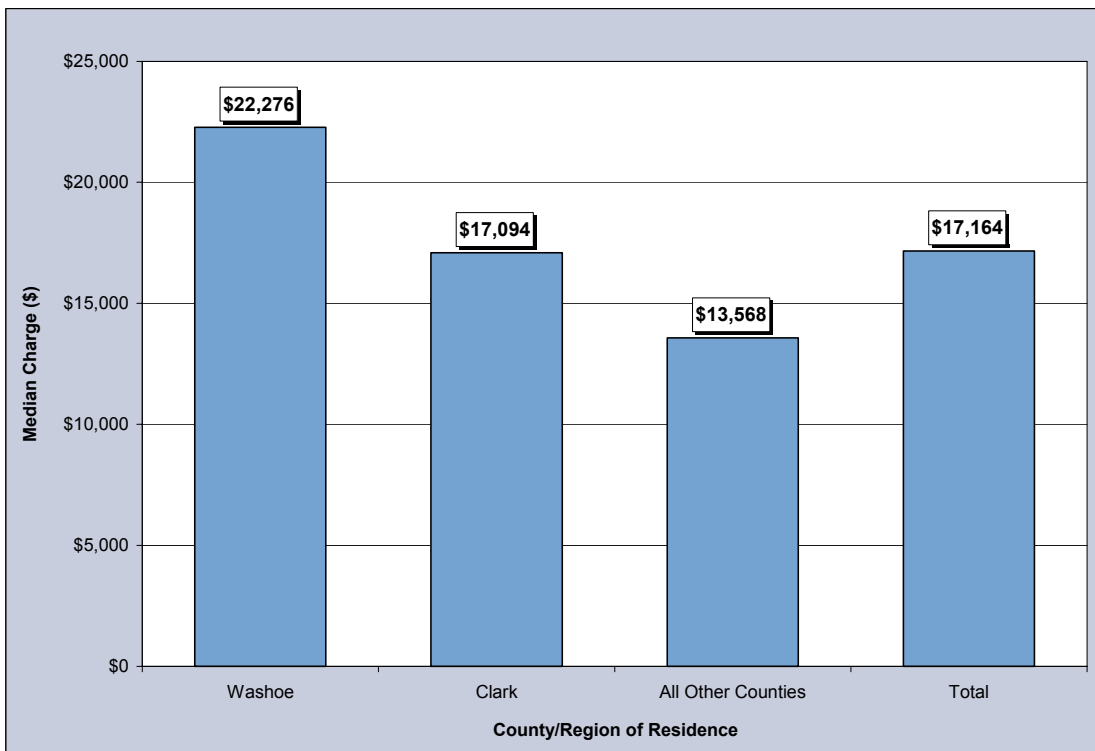


Figure 69. Average Length of Stay for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

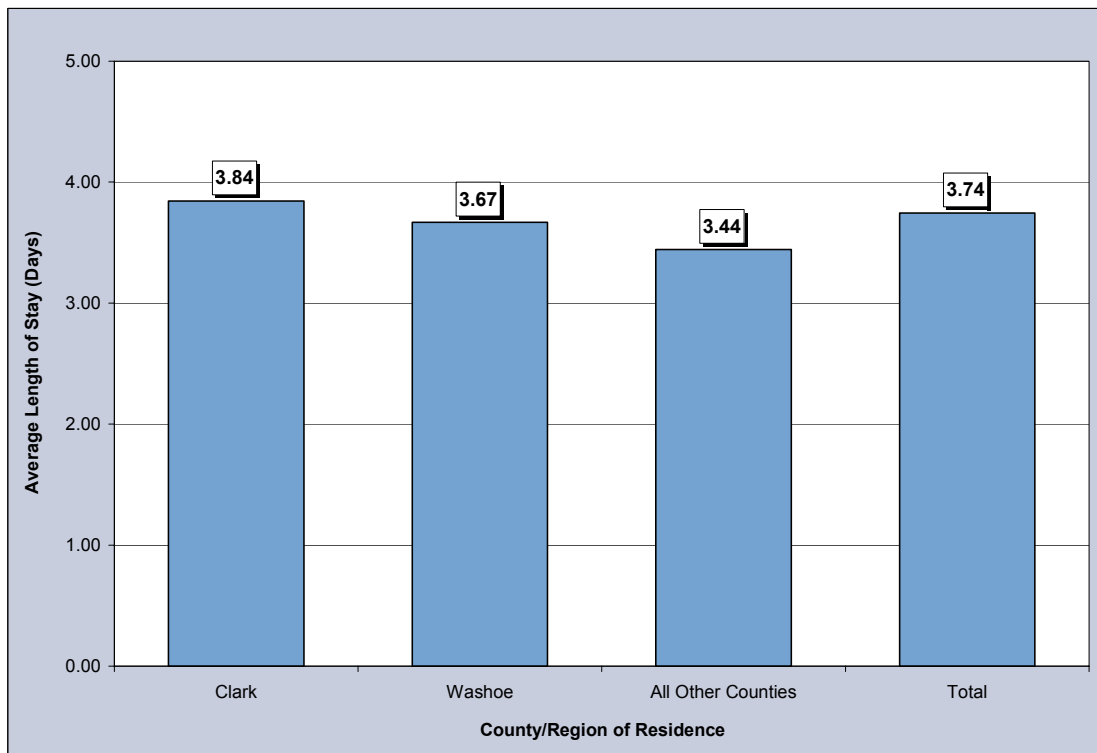


Table 94. Prostate Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,450	1,631	383	436	0
Rate*	27.3	27.3	25.3	29.3	---
95% C.I.	(26.2-28.4)	(26.0-28.7)	(22.8-28.1)	(26.6-32.3)	---
Gender					
Male	2,450	1,631	383	436	0
Rate*	57.3	57.6	53.3	59.9	---
95% C.I.	(54.9-59.7)	(54.7-60.8)	(47.9-59.4)	(54.2-66.2)	---
Female	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$49,678,772	\$34,466,293	\$8,499,386	\$6,713,093	---
Average Charges	\$20,277	\$21,132	\$22,192	\$15,397	---
Median Charges	\$17,164	\$17,094	\$22,276	\$13,568	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	9,175	6,269	1,405	1,501	---
Average LOS	3.7	3.8	3.7	3.4	---
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, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Cases	2,450	1,631	383	436	0
Rate*	51.8	50.9	46.1	62.6	---
95% C.I.	(49.7-53.8)	(48.5-53.4)	(41.5-50.7)	(56.7-68.4)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	11	8	2	1	0
Rate*	1.4	---	---	---	---
95% C.I.	(0.6-2.3)	---	---	---	---
45-54	220	150	34	36	0
Rate*	35.9	37.6	29.6	36.6	---
95% C.I.	(31.2-40.7)	(31.6-43.6)	(19.6-39.5)	(24.7-48.6)	---
55-64	900	603	151	146	0
Rate*	209.9	210.6	210.3	206.8	---
95% C.I.	(196.2-223.6)	(193.8-227.4)	(176.7-243.8)	(173.2-240.3)	---
65-74	965	623	149	193	0
Rate*	315.6	304.4	305.1	369.6	---
95% C.I.	(295.7-335.5)	(280.5-328.3)	(256.1-354.1)	(317.5-421.7)	---
75-84	292	208	37	47	0
Rate*	198.0	212.3	157.0	181.2	---
95% C.I.	(175.3-220.7)	(183.5-241.2)	(106.4-207.6)	(129.4-233.0)	---
85+	60	37	10	13	0
Rate*	264.6	273.8	227.2	273.1	---
95% C.I.	(197.7-331.6)	(185.6-362.1)	(86.4-368.1)	(124.6-421.5)	---
Unknown	0	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, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	11	0	11
Rate*	1.4	---	0.7
95% C.I.	(0.6-2.3)	---	(0.3-1.2)
45-54	220	0	220
Rate*	35.9	---	18.2
95% C.I.	(31.2-40.7)	---	(15.8-20.6)
55-64	900	0	900
Rate*	209.9	---	104.5
95% C.I.	(196.2-223.6)	---	(97.7-111.4)
65-74	965	0	965
Rate*	315.6	---	155.7
95% C.I.	(295.7-335.5)	---	(145.8-165.5)
75-84	292	0	292
Rate*	198.0	---	89.1
95% C.I.	(175.3-220.7)	---	(78.9-99.3)
85+	60	0	60
Rate*	264.6	---	85.2
95% C.I.	(197.7-331.6)	---	(63.6-106.7)
Unknown	0	0	0
Total	2,450	0	2,450
Rate*	51.8	---	26.3
95% C.I.	(49.7-53.8)	---	(25.3-27.4)

* 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, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Admissions				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	88	73.1	(57.8-88.4)	67.9	(54.4-84.4)
Churchill	42	71.0	(49.5-92.4)	78.1	(55.8-108.5)
Clark	1,631	50.9	(48.5-53.4)	57.6	(54.7-60.8)
Douglas	77	76.4	(59.3-93.4)	65.3	(50.2-85.5)
Elko	26	21.7	(13.4-30.1)	41.5	(24.5-68.9)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	17	38.7	(20.3-57.1)	60.8	(32.5-114.9)
Lander	1	---	---	---	---
Lincoln	7	---	---	---	---
Lyon	96	117.0	(93.6-140.4)	95.5	(77.1-118.9)
Mineral	12	86.2	(37.4-135.0)	60.7	(31.2-125.8)
Nye	55	71.8	(52.8-90.8)	49.9	(36.8-69.4)
Pershing	7	---	---	---	---
Storey	2	---	---	---	---
Washoe	383	46.1	(41.5-50.7)	53.3	(47.9-59.4)
White Pine	4	---	---	---	---
Unknown	0	---	---	---	---
Total	2,450	51.8	(49.7-53.8)	57.3	(54.9-59.7)

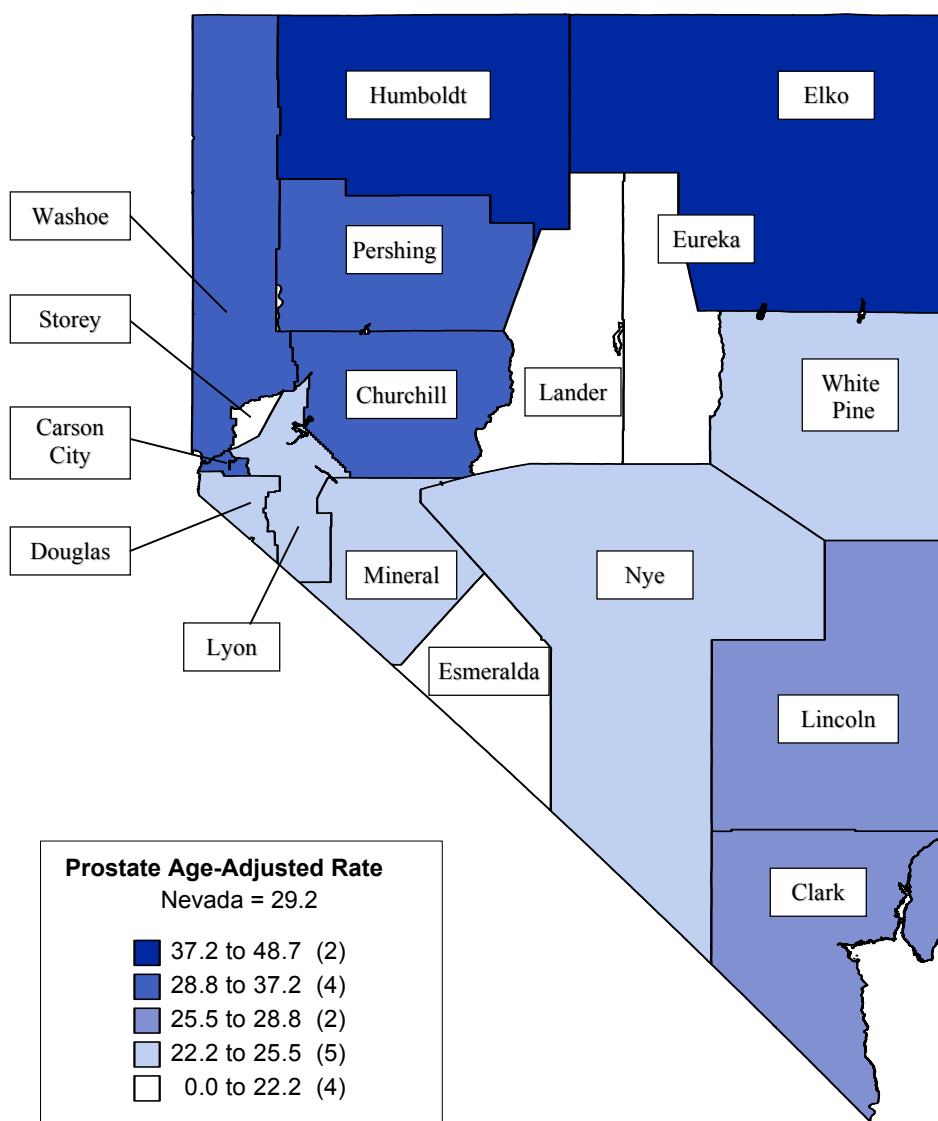
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 98. Prostate Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	2	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	0	---	---	---	---	---	---
35-44	11	194,101	17,646	18,350	35	3.2	3.0
45-54	220	4,089,156	18,587	17,980	755	3.4	3.0
55-64	900	22,203,627	24,671	18,343	3,357	3.7	3.0
65-74	965	17,927,622	18,578	17,138	3,598	3.7	3.0
75-84	292	4,107,523	14,067	10,571	1,161	4.0	2.0
85+	60	1,129,456	18,824	10,371	264	4.4	3.0
Unknown	0	---	---	---	---	---	---
Total	2,450	49,678,772	20,277	17,164	9,175	3.7	3.0

MORTALITY

Figure 70. Prostate Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



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, 1996-2000

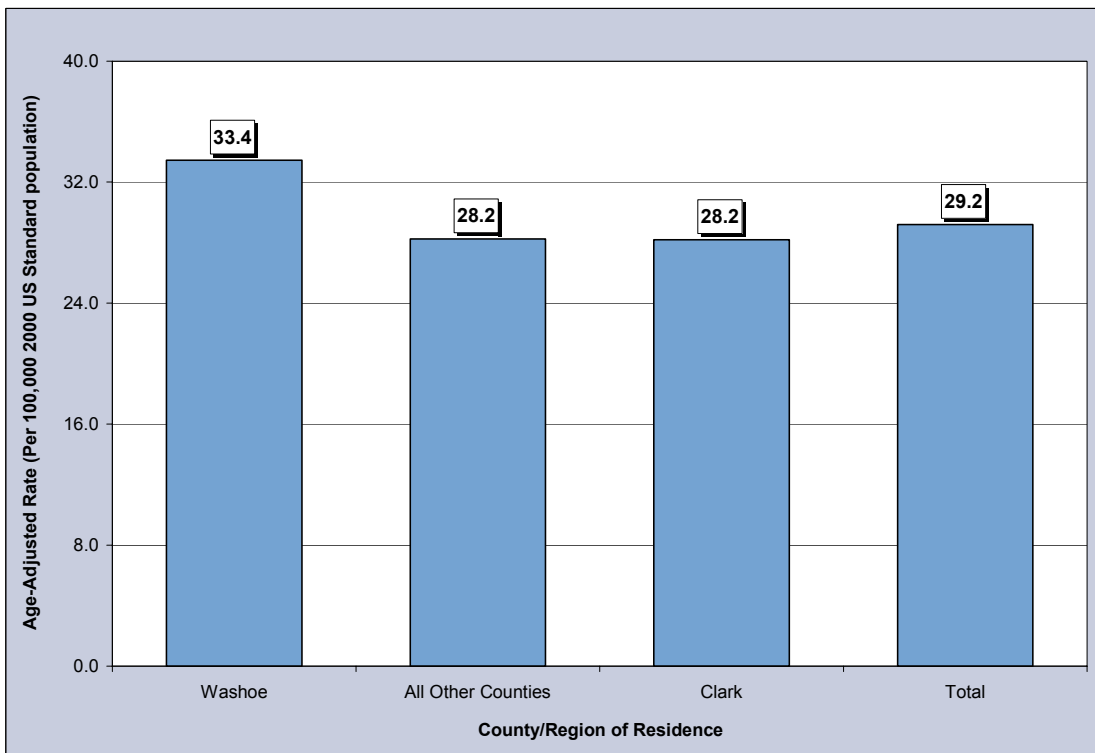


Figure 72. Prostate Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

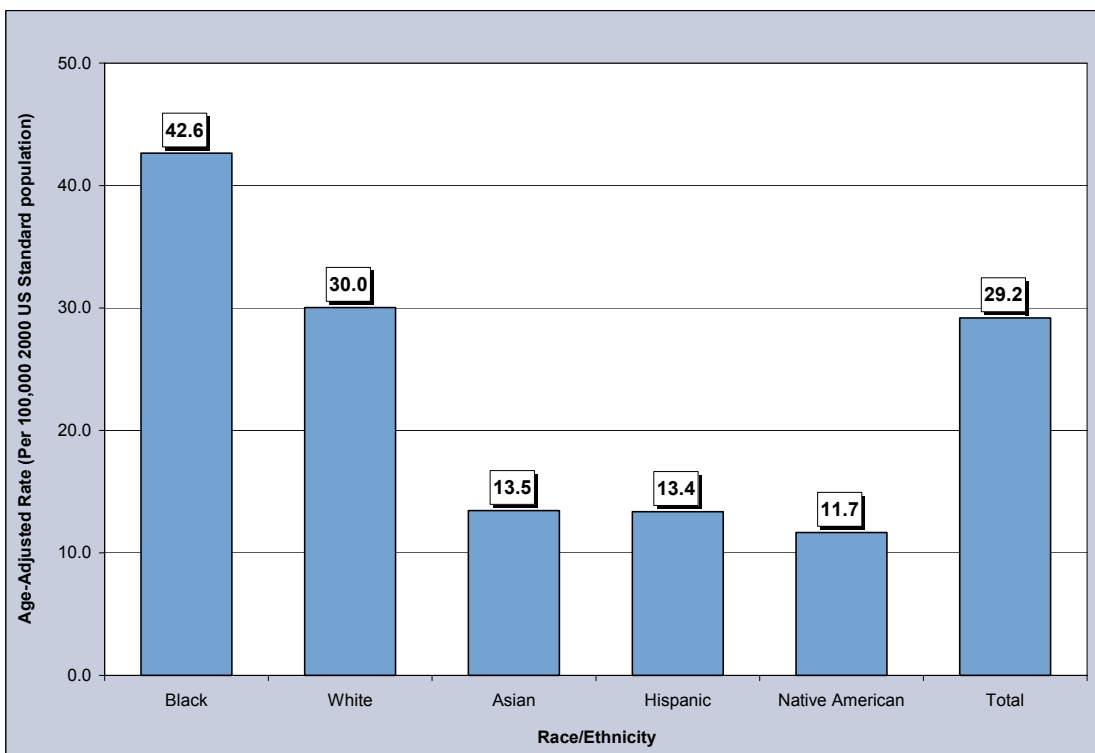


Table 99. Prostate Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	883	568	166	149
Rate*	12.2	11.8	13.4	12.2
95% C.I.	(11.4-13.1)	(10.8-12.9)	(11.4-15.6)	(10.3-14.4)
Gender				
Male	883	568	166	149
Rate*	29.2	28.2	33.4	28.2
95% C.I.	(27.1-31.5)	(25.6-31.0)	(28.2-39.5)	(23.6-33.7)
Female	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	791	491	158	142
Rate*	30.0	28.8	35.1	29.1
95% C.I.	(27.8-32.5)	(26.0-31.9)	(29.4-41.6)	(24.2-34.9)
Black	54	52	2	0
Rate*	42.6	44.0	---	---
95% C.I.	(30.4-59.5)	(31.0-62.3)	---	---
Native American	3	1	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	13	12	0	1
Rate*	13.5	16.0	---	---
95% C.I.	(6.0-30.0)	(6.5-38.6)	---	---
Hispanic	22	12	5	5
Rate*	13.4	10.5	---	---
95% C.I.	(7.7-23.1)	(4.6-23.4)	---	---
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, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	883	568	166	149
Rate*	18.7	17.7	20.0	21.4
95% C.I.	(17.4-19.9)	(16.3-19.2)	(16.9-23.0)	(17.9-24.8)
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	6	4	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	73	50	16	7
Rate*	17.0	17.5	22.3	---
95% C.I.	(13.1-20.9)	(12.6-22.3)	(11.4-33.2)	---
65-74	283	191	45	47
Rate*	92.6	93.3	92.2	90.0
95% C.I.	(81.8-103.3)	(80.1-106.5)	(65.2-119.1)	(64.3-115.7)
75-84	373	242	70	61
Rate*	252.9	247.0	297.0	235.2
95% C.I.	(227.3-278.6)	(215.9-278.1)	(227.4-366.6)	(176.2-294.2)
85+	148	81	34	33
Rate*	652.8	599.5	772.6	693.2
95% C.I.	(547.6-757.9)	(468.9-730.0)	(512.9-1,032.3)	(456.7-929.7)
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, 1996-2000

County of Residence	1996-2000 Mortality				
	Deaths	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	40	33.2	(22.9-43.5)	31.6	(22.4-43.9)
Churchill	18	30.4	(16.4-44.5)	37.2	(21.6-61.7)
Clark	568	17.7	(16.3-19.2)	28.2	(25.6-31.0)
Douglas	19	18.8	(10.4-27.3)	25.5	(14.2-43.2)
Elko	15	12.5	(6.2-18.9)	48.7	(26.0-83.9)
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	6	---	---	---	---
Lander	2	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	16	19.5	(9.9-29.1)	22.2	(12.0-38.7)
Mineral	3	---	---	---	---
Nye	17	22.2	(11.6-32.8)	24.3	(12.6-44.2)
Pershing	3	---	---	---	---
Storey	1	---	---	---	---
Washoe	166	20.0	(16.9-23.0)	33.4	(28.2-39.5)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	883	18.7	(17.4-19.9)	29.2	(27.1-31.5)

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 102. Prostate Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	791	0	791
	Rate*	30.0	---	12.6
	95% C.I.	(27.8-32.5)	---	(11.7-13.5)
Black	Mortality	54	0	54
	Rate*	42.6	---	17.5
	95% C.I.	(30.4-59.5)	---	(12.9-23.5)
Native American	Mortality	3	0	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	13	0	13
	Rate*	13.5	---	5.8
	95% C.I.	(6.0-30.0)	---	(2.6-13.1)
Hispanic	Mortality	22	0	22
	Rate*	13.4	---	5.6
	95% C.I.	(7.7-23.1)	---	(3.4-9.2)
Other/Unknown		0	0	0
Total	Mortality	883	0	883
	Rate*	29.2	---	12.2
	95% C.I.	(27.1-31.5)	---	(11.4-13.1)

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, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
45-54	6	0	6
Rate*	---	---	---
95% C.I.	---	---	---
55-64	73	0	73
Rate*	17.0	---	8.5
95% C.I.	(13.1-20.9)	---	(6.5-10.4)
65-74	283	0	283
Rate*	92.6	---	45.7
95% C.I.	(81.8-103.3)	---	(40.3-51.0)
75-84	373	0	373
Rate*	252.9	---	113.8
95% C.I.	(227.3-278.6)	---	(102.3-125.4)
85+	148	0	148
Rate*	652.8	---	210.1
95% C.I.	(547.6-757.9)	---	(176.2-243.9)
Unknown	0	0	0
Total	883	0	883
Rate*	18.7	---	9.5
95% C.I.	(17.4-19.9)	---	(8.9-10.1)

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

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

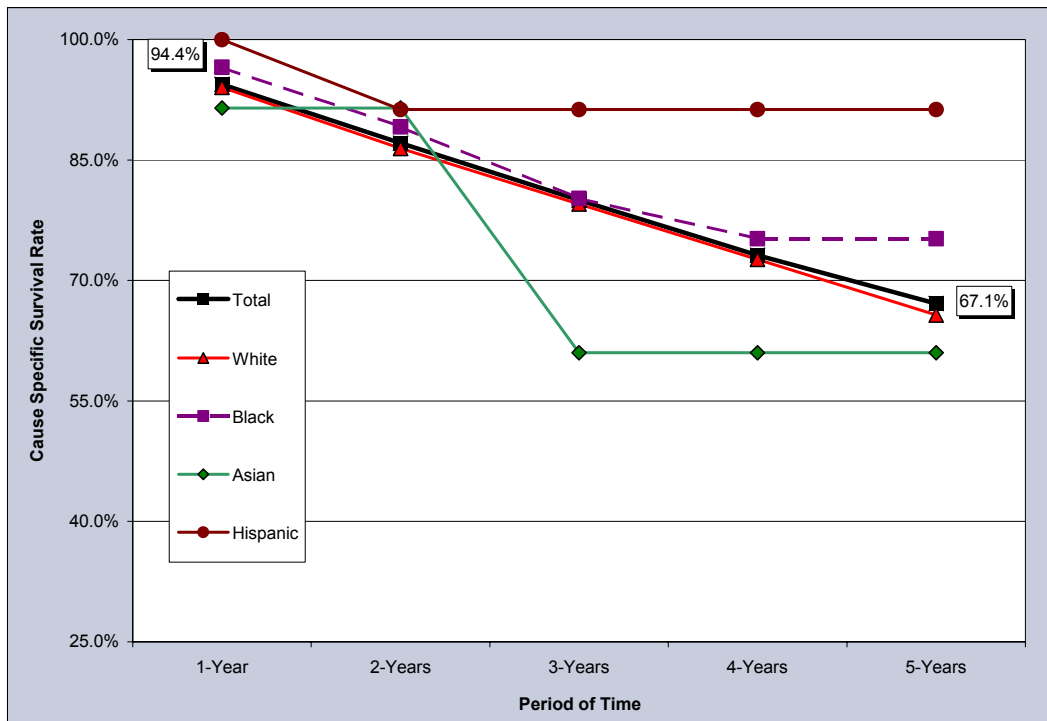
Table 104. Median Age at Death from Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	791	77.0	0	---	791	77.0
Black	54	75.0	0	---	54	75.0
Native American	3	---	0	---	3	---
Asian	13	74.0	0	---	13	74.0
Hispanic	22	74.0	0	---	22	74.0
Other/Unknown	0	---	0	---	0	---
Total	883	76.0	0	---	883	76.0

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, 1996-2000



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, 1996-2000

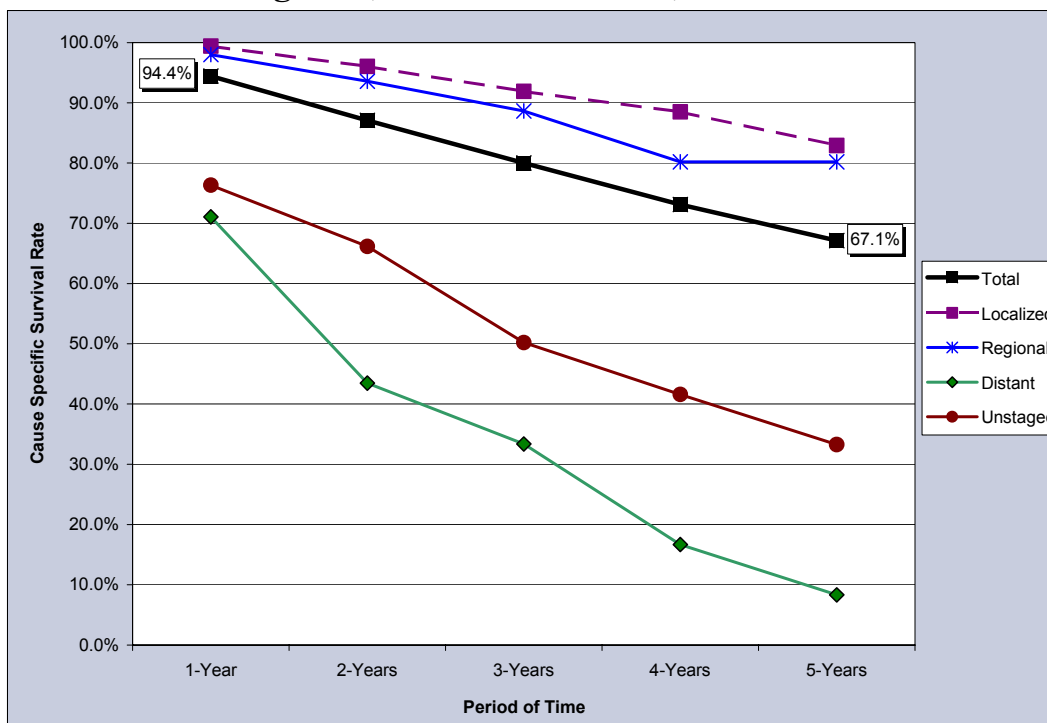


Table 105. Cause-Specific Survival Rates for Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

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	2,626	94.4%	87.1%	80.0%	73.1%	67.1%	>5 years
Male	2,626	94.4%	87.1%	80.0%	73.1%	67.1%	>5 years
Female	0	---	---	---	---	---	---
Race/Ethnicity							
White	2,310	94.0%	86.5%	79.5%	72.6%	65.7%	>5 years
Male	2,310	94.0%	86.5%	79.5%	72.6%	65.7%	>5 years
Female	0	---	---	---	---	---	---
Black	165	96.6%	89.1%	80.2%	75.2%	75.2%	>5 years
Male	165	96.6%	89.1%	80.2%	75.2%	75.2%	>5 years
Female	0	---	---	---	---	---	---
Native American	3	---	---	---	---	---	---
Male	3	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Asian	36	---	---	---	---	---	---
Male	36	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Hispanic	80	100.0%	91.3%	91.3%	91.3%	91.3%	>5 years
Male	80	100.0%	91.3%	91.3%	91.3%	91.3%	>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, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	2,626	2,626	0
	One Year	94.4%	94.4%	---
	5 Years	67.1%	67.1%	---
	Median Survival	>5 years	>5 years	---
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	1,877	1,877	0
	One Year	99.4%	99.4%	---
	5 Years	82.9%	82.9%	---
	Median Survival	>5 years	>5 years	---
Regional	Cases	312	312	0
	One Year	98.0%	98.0%	---
	5 Years	80.2%	80.2%	---
	Median Survival	>5 years	>5 years	---
Distant	Cases	147	147	0
	One Year	71.1%	71.1%	---
	5 Years	8.3%	8.3%	---
	Median Survival	1.76	1.76	---
Unstaged	Cases	290	290	0
	One Year	76.3%	76.3%	---
	5 Years	33.3%	33.3%	---
	Median Survival	3.02	3.02	---

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.