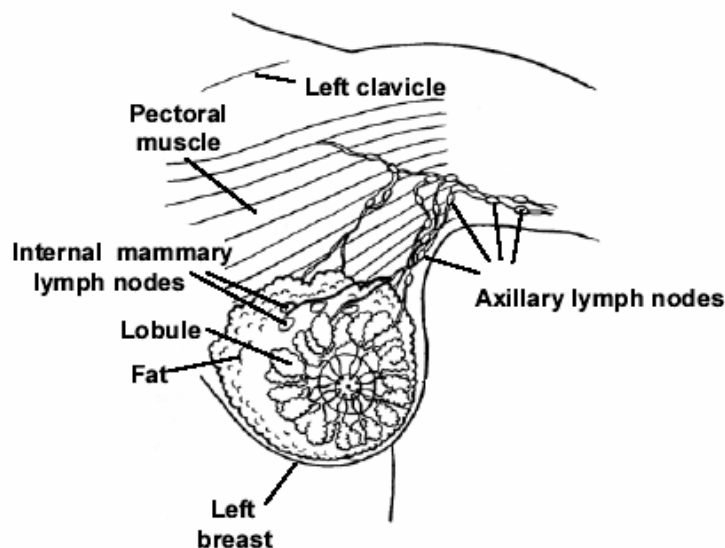


BREAST CANCER

BREAST CANCER

GENERAL PROFILE⁴

Figure 49. Anatomy of the Breast⁵



General Anatomy: Each breast has 15 to 20 sections called lobes. Within each lobe are many smaller lobules, which end in dozens of tiny bulbs that can produce milk. The lobes, lobules, and bulbs are all linked by thin tubes called ducts. These ducts lead to the nipple in the center of a dark area of skin called the areola. Fat surrounds the lobules and ducts. Each breast also contains blood vessels and lymph vessels. The lymph vessels carry colorless fluid called lymph, and lead to small bean-shaped organs called lymph nodes. Clusters of lymph nodes are found near the breast in the axilla (under the arm), above the collarbone, and in the chest. Lymph nodes are also found in many other parts of the body.

Risk Factors: Personal, and/or family, history of Breast Cancer, atypical hyperplasia, lobular carcinoma in situ, prolonged levels of estrogen, later childbearing, breast density, radiation therapy, and alcohol use are all important risk factors.

Signs and Symptoms: Common signs and symptoms include: A lump or thickening in or near the breast or in the underarm area, change in the size or shape of the breast, nipple discharge or tenderness, nipple inverted into breast, ridges or pitting of the breast, and a change in the way the skin of the breast, areola, or nipple looks or feels (for example, warm, swollen, red, or scaly).

Diagnosing the Cancer: The most common ways of diagnosing Breast Cancer are: clinical breast exam, mammography, ultrasonography, fine-needle aspiration, and needle or surgical biopsy.

Treatment: Treatment options include: surgery (Lumpectomy, Segmental Mastectomy, Simple Mastectomy, and Radical Mastectomy), radiation therapy, chemotherapy, hormonal therapy, and biological therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 140.8, to the age-adjusted mortality rate, 51.6 (per 100,000 – 2000 US Standard female population), for Female Breast Cancer was 2.7 during the 2000 to 2004 period, which means that for every 273 Female Breast Cancer cases there was 100 female deaths due to Breast Cancer in Nevada during this period.
- The median age at diagnosis of Breast Cancer for Nevada females was 61 years of age from 2000 to 2004. The median age at time of death due to Breast Cancer for females was 67 years.

CANCER SCREENING

- From 2000 to 2004, 92.6% of the 3,903 Nevadan females who responded had ever had a mammogram and/or a clinical breast exam to try and detect early signs of Breast Cancer.
- The percentage of women who stated their education level at less than high school (85.4%) or high school (90.0%) had lower rates of ever having had a mammogram and/or clinical breast exam than those who stated their education level at some post high school (94.6%) or college graduate (96.8%) during the 2000 to 2004 period.
- Those women whose age was 18 to 24 years, 73.9% (67.1-80.7), had the lowest statistically significant percentage of ever having a mammogram and/or a clinical breast exam of any age group surveyed from 2000 to 2004. However, those women 25 to 34 years of age also had a statistically significant lower percentage, 87.8% (83.7-91.8), than all other age groups surveyed.

INCIDENCE

- There were 7,742 cases of Female Breast Cancer reported in Nevada from 2000 to 2004. Regional comparisons showed that Washoe County's age-adjusted incidence rate, 156.3 (148.2-164.8), was statistically higher than the rate for Nevada as a whole 140.8 (137.7-144.0), Clark County 141.6 (137.9-145.5) and the All Other Counties region 119.6 (112.3-127.4) during this period.
- Hispanic females were considerably lower than the statewide median age at time of diagnosis for Breast Cancer (61 years) with a median age of 52 years, the lowest of any racial/ethnic group. The racial/ethnic group with the highest median age at diagnosis were White females with a median age of 62 years for the 2000 to 2004 period.
- White females accounted for 84.1% of all reported Female Breast Cancer cases in Nevada from 2000 to 2004. They had a statistically significant higher rate 152.3 (148.6-156.1) than Black females 128.1 (115.4-142.1), Asian females 82.8 (71.8-96.2), Hispanic females 64.9 (57.6-73.3) and Native American females 36.9 (23.3-56.8) (per 100,000 – 2000 US Standard female population), during this period.

INPATIENT HOSPITAL DISCHARGES

- There were 2,253 Inpatient Discharges for Breast Cancer to Nevada female residents in Nevada from 2000 to 2004. Clark County (43.6) had the highest age-adjusted inpatient discharge rate for Breast Cancer in Nevada, followed by Nevada overall, Washoe County, and All Other Counties who had rates of 41.2, 40.2 and 31.3 (per 100,000 – 2000 US Standard female population), respectively.
- Total billed charges for hospital inpatient discharges from Breast Cancer in Nevada totaled 41.1 million dollars from 2000 to 2004. Washoe County had the highest median total charge (\$17,341), however, Clark County had the highest average length of stay (2.4) during this time; once regional comparisons were made.
- The overall average billed charge per day for a Breast Cancer inpatient hospital discharge in Nevada was \$7,736 from 2000 to 2004.

MORTALITY

- There were 1,342 female resident deaths due to Breast Cancer from 2000 to 2004. Washoe County had a higher age-adjusted mortality rate (27.2) than Clark County (25.7) and All Other Counties, as a region, (20.9) during the 2000 to 2004 period.
- Racial/ethnic comparisons showed that Black and White females had higher age-adjusted mortality rates for Female Breast Cancer 31.0 and 26.8, respectively, when compared to Hispanics and Asians who had rates of 14.6 and 12.6 (per 100,000 – 2000 US Standard female population), respectively, from 2000 to 2004.

SURVIVAL RATE

- Asian females, as a racial/ethnic group, had the highest One-Year Survival Rate for Breast cancer (96.5%) in the state, and were followed by Whites, Hispanics, and Blacks, with rates of 95.6%, 94.5%, and 89.4%, respectively, during the 2000 to 2004 period.
- The five-year survival rate for females diagnosed with Breast Cancer at the in situ stage was 95.5% for Nevada from 2000 to 2004. The rate for those at the localized stage was 92.3%, while those recorded at the regional, distant and unstaged stages had rates of 84.1%, 28.4% and 58.1%, respectively.

SCREENING (BRFSS)

Table 63. Female Breast Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 2000-2004

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	3,903	92.6%	(91.2-93.9)	230	7.4%	(6.1-8.8)	4,133
County/Region of Residence							
Clark County	1,264	93.0%	(91.3-94.7)	79	7.0%	(5.3-8.7)	1,343
Washoe County	1,287	94.7%	(93.1-96.3)	61	5.3%	(3.7-6.9)	1,348
All Other Counties	1,352	88.6%	(85.1-92.0)	90	11.4%	(8.0-14.9)	1,442
Education							
Less than High School	362	85.4%	(80.0-90.7)	48	14.6%	(9.3-20.0)	410
High School	1,191	90.0%	(87.4-92.5)	98	10.0%	(7.5-12.6)	1,289
Some Post High School	1,330	94.6%	(92.7-96.6)	58	5.4%	(3.4-7.3)	1,388
College Graduate	1,010	96.8%	(94.9-98.7)	26	3.2%	(1.3-5.1)	1,036
Age Group							
18-24 years old	269	73.9%	(67.1-80.7)	75	26.1%	(19.3-32.9)	344
25-34 years old	603	87.8%	(83.7-91.8)	59	12.2%	(8.2-16.3)	662
35-44 years old	806	95.0%	(92.9-97.1)	34	5.0%	(2.9-7.1)	840
45-54 years old	801	98.6%	(97.5-99.6)	14	1.4%	(0.4-2.5)	815
55-64 years old	601	98.6%	(97.0-100.0)	6	1.4%	(0.0-3.0)	607
65+ years old	818	96.0%	(94.2-97.8)	42	4.0%	(2.2-5.8)	860
Income							
Less than \$15,000	368	85.7%	(79.9-91.5)	45	14.3%	(8.5-20.1)	413
\$15,000-\$24,999	618	89.1%	(85.1-93.1)	55	10.9%	(6.9-14.9)	673
\$25,000-\$34,999	526	91.5%	(87.6-95.5)	30	8.5%	(4.5-12.4)	556
\$35,000-\$49,999	680	94.9%	(92.5-97.3)	28	5.1%	(2.7-7.5)	708
\$50,000 or More	1,193	96.9%	(95.2-98.5)	24	3.1%	(1.5-4.8)	1,217

*Denominator includes persons age 18-65 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.

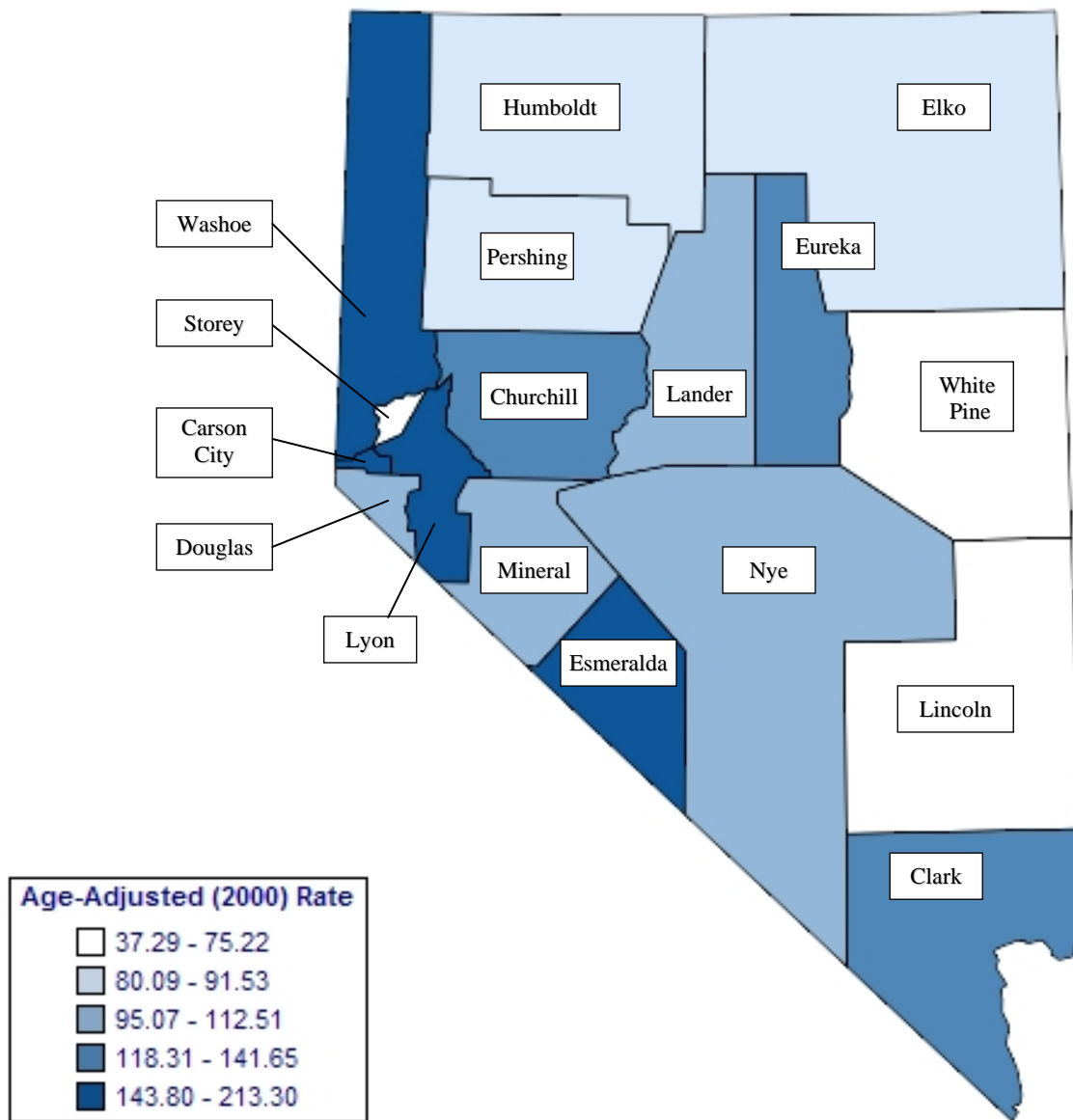
"N"= response numbers and "%"= Weighted prevalence rates

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

- 1) A mammogram is an x-ray of each breast to look for breast cancer. Have you ever had a mammogram?
- 2) A clinical breast exam is when a doctor, nurse, or other health professional feels the breast for lumps. Have you ever had a clinical breast exam?

INCIDENCE

Figure 50. Female Breast Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 2000-2004



Note: Rates are per 100,000 female 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 51. Female Breast Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 2000-2004

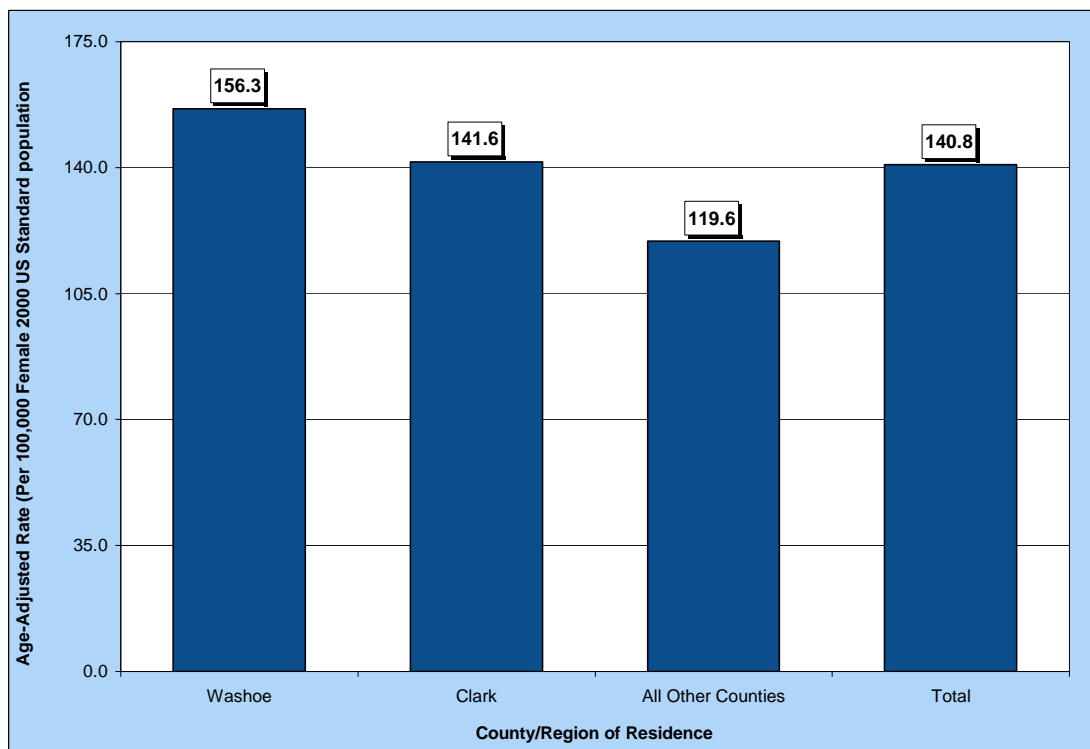


Figure 52. Female Breast Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 2000-2004

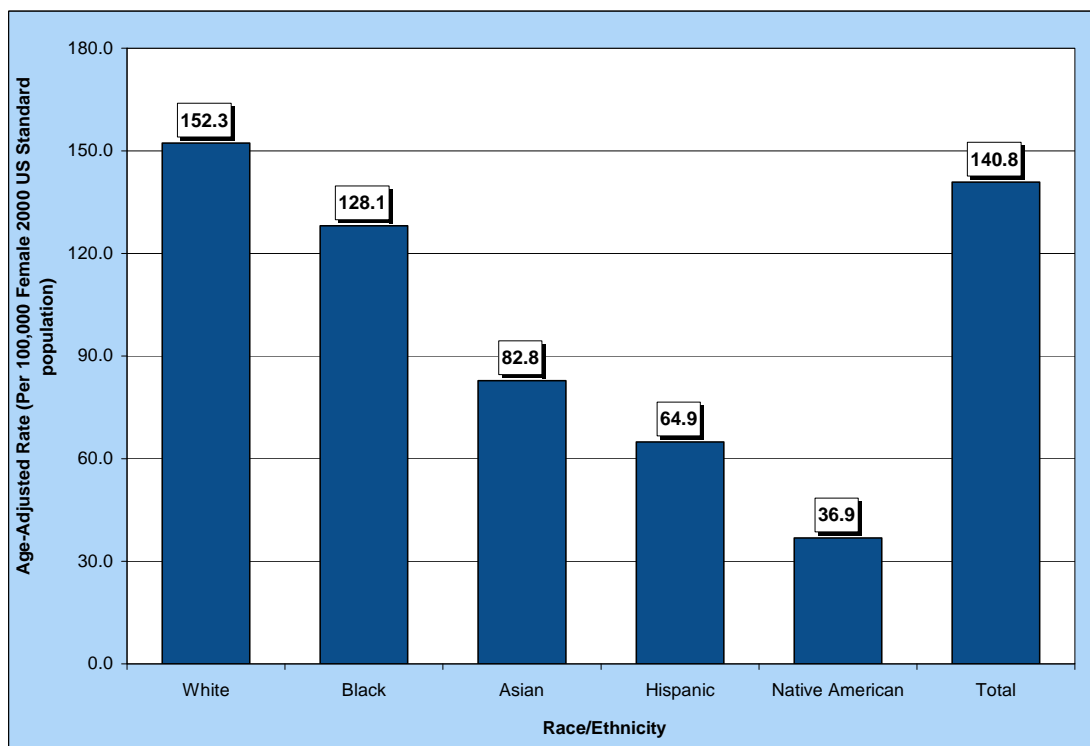


Table 64. Breast Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (2000-2004) and SEER-17 (2000-2004)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 17 (2000-2004)
Total						
Cases	7,824	5,397	1,402	1,018	7	251,040
Rate*	73.3	73.6	82.1	62.2	---	69.6
95% C.I.	(71.7-75.0)	(71.7-75.7)	(77.8-86.6)	(58.4-66.2)	---	(69.3-69.8)
Gender						
Male	81	46	17	18	0	1,771
Rate*	1.7	1.4	2.6	2.3	---	1.2
95% C.I.	(1.3-2.2)	(1.0-1.9)	(1.4-4.4)	(1.4-3.7)	---	(1.1-1.2)
Female	7,742	5,351	1,385	999	7	249,269
Rate*	140.8	141.6	156.3	119.6	---	127.9
95% C.I.	(137.7-144.0)	(137.9-145.5)	(148.2-164.8)	(112.3-127.4)	---	(127.4-128.4)
Other/Unknown	1	0	0	1	0	0
Race/Ethnicity						
White	6,508	4,301	1,267	935	5	209,535
Rate*	152.3	154.9	169.7	125.0	---	132.5
95% C.I.	(148.6-156.1)	(150.3-159.7)	(160.5-179.4)	(117.0-133.4)	---	(132.0-133.1)
Black	391	368	18	5	0	21,966
Rate*	128.1	128.2	135.4	---	---	118.3
95% C.I.	(115.4-142.1)	(115.0-142.7)	(79.4-219.5)	---	---	(116.8-119.9)
Native American	24	7	8	9	0	966
Rate*	36.9	---	---	---	---	51.0
95% C.I.	(23.3-56.8)	---	---	---	---	(47.7-54.5)
Asian	271	222	38	10	1	15,182
Rate*	82.8	81.5	83.1	69.4	---	89.0
95% C.I.	(71.8-96.2)	(69.5-96.7)	(57.2-119.3)	(32.6-136.2)	---	(87.6-90.4)
Hispanic	362	296	38	27	1	20,516
Rate*	64.9	67.1	59.0	55.2	---	89.4
95% C.I.	(57.6-73.3)	(58.8-76.9)	(39.4-91.1)	(35.1-86.3)	---	(88.1-90.6)
Other/Unknown	186	157	16	13	0	1,620

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Rates for race/ethnicity groups are per 100,000 female 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 65. Female Breast 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	7,742	5,351	1,385	999	7	251,040
Rate*	140.8	141.6	156.3	119.6	---	127.9
95% C.I.	(137.7-144.0)	(137.9-145.5)	(148.2-164.8)	(112.3-127.4)	---	(127.4-128.4)
Age Group						
<1	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
1-4	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.0)
5-14	1	1	0	0	0	3
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.0)
15-24	7	4	2	1	0	195
Rate*	---	---	---	---	---	0.7
95% C.I.	---	---	---	---	---	(0.6-0.9)
25-34	113	87	17	9	0	4,531
Rate*	14.6	15.2	13.6	---	---	17.1
95% C.I.	(11.89-17.26)	(11.99-18.36)	(7.12-20.03)	---	---	(16.6-17.6)
35-44	757	553	122	81	1	26,471
Rate*	92.3	96.8	87.5	74.4	---	88.7
95% C.I.	(85.75-98.91)	(88.69-104.82)	(71.93-102.97)	(58.21-90.63)	---	(87.6-89.7)
45-54	1,623	1,125	317	180	1	55,417
Rate*	220.4	226.6	246.1	162.2	---	210.2
95% C.I.	(209.67-231.12)	(213.31-239.79)	(218.97-273.15)	(138.48-185.87)	---	(208.5-212.0)
55-64	2,031	1,410	347	272	2	57,169
Rate*	367.0	365.7	405.2	330.8	---	332.8
95% C.I.	(351.00-382.91)	(346.58-384.76)	(362.54-447.80)	(291.44-370.05)	---	(330.0-335.5)
65-74	1,853	1,280	326	247	0	50,354
Rate*	509.8	509.0	598.8	428.8	---	421.2
95% C.I.	(486.54-532.96)	(481.14-536.92)	(533.76-663.75)	(375.29-482.24)	---	(417.5-424.9)
75-84	1,075	714	191	168	2	41,615
Rate*	477.1	467.1	529.6	461.4	---	453.1
95% C.I.	(448.56-505.60)	(432.86-501.39)	(454.45-604.65)	(391.62-531.16)	---	(448.7-457.4)
85+	282	177	63	41	1	13,514
Rate*	445.9	433.0	531.3	390.3	---	355.3
95% C.I.	(393.84-497.92)	(369.18-496.75)	(400.07-662.44)	(270.80-509.71)	---	(349.3-361.3)
Unknown	0	0	0	0	0	0

*Rates are per 100,000 age-specific female 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 66. Female Breast 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	263	202.0	(177.6-226.5)	161.7	(142.4-183.1)
Churchill	76	122.0	(94.6-149.4)	118.3	(93.1-148.5)
Clark	5,351	141.5	(137.7-145.2)	141.6	(137.9-145.5)
Douglas	165	149.9	(127.0-172.8)	111.0	(94.5-130.3)
Elko	69	63.1	(48.2-78.0)	80.1	(61.1-104.2)
Esmeralda	7	---	---	---	---
Eureka	4	---	---	---	---
Humboldt	35	91.4	(61.1-121.7)	91.5	(63.1-130.4)
Lander	12	89.8	(39.0-140.6)	107.1	(53.3-197.5)
Lincoln	4	---	---	---	---
Lyon	169	174.3	(148.0-200.6)	143.8	(122.8-167.8)
Mineral	16	136.0	(69.3-202.6)	95.1	(53.3-164.8)
Nye	142	164.2	(137.2-191.2)	112.5	(94.1-134.3)
Pershing	13	98.2	(44.8-151.5)	90.3	(47.8-156.3)
Storey	9	---	---	---	---
Washoe	1,385	156.6	(148.3-164.8)	156.3	(148.2-164.8)
White Pine	15	77.0	(38.0-115.9)	55.5	(30.2-98.9)
Unknown	7	---	---	---	---
Total	7,742	143.8	(140.6-147.0)	140.8	(137.7-144.0)

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

Table 67. Breast Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	70	6,508	1	6,579
	Rate*	1.8	152.3	---	78.4
	95% C.I.	(1.4-2.4)	(148.6-156.1)	---	(76.5-80.4)
Black	Incidence	7	391	0	398
	Rate*	---	128.1	---	68.7
	95% C.I.	---	(115.4-142.1)	---	(61.8-76.5)
Native American	Incidence	0	24	0	24
	Rate*	---	36.9	---	19.8
	95% C.I.	---	(23.3-56.8)	---	(12.4-31.2)
Asian	Incidence	2	271	0	273
	Rate*	---	82.8	---	48.2
	95% C.I.	---	(71.8-96.2)	---	(41.8-56.1)
Hispanic	Incidence	1	362	0	363
	Rate*	---	64.9	---	33.1
	95% C.I.	---	(57.6-73.3)	---	(29.2-37.8)
Other/Unknown	1	186	0	187	
Total	Incidence	81	7,742	1	7,824
	Rate*	1.7	140.8	---	73.3
	95% C.I.	(1.3-2.2)	(137.7-144.0)	---	(71.7-75.0)

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

Table 68. Breast 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	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	7	0	7
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	113	0	113
Rate*	---	14.58	---	14.58
95% C.I.	---	(11.89-17.26)	---	(11.89-17.26)
35-44	5	757	0	757
Rate*	---	92.33	---	92.33
95% C.I.	---	(85.75-98.91)	---	(85.75-98.91)
45-54	6	1,623	0	1,623
Rate*	---	220.40	---	220.40
95% C.I.	---	(209.67-231.12)	---	(209.67-231.12)
55-64	14	2,031	1	2,031
Rate*	2.60	366.95	---	366.95
95% C.I.	(1.24-3.96)	(351.00-382.91)	---	(351.00-382.91)
65-74	27	1,853	0	1,853
Rate*	7.64	509.75	---	509.75
95% C.I.	(4.76-10.52)	(486.54-532.96)	---	(486.54-532.96)
75-84	24	1,075	0	1,075
Rate*	12.93	477.08	---	477.08
95% C.I.	(7.75-18.10)	(448.56-505.60)	---	(448.56-505.60)
85+	4	282	0	282
Rate*	---	445.88	---	445.88
95% C.I.	---	(393.84-497.92)	---	(393.84-497.92)
Unknown	0	0	0	0
Total	81	7,742	1	7,824
Rate*	1.46	143.83	---	71.51
95% C.I.	(1.1-1.8)	(140.6-147.0)	---	(69.9-73.1)

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

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

Table 69. Breast 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	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	1	0	1
	Percent	---	---	---	100.0%	---	100.0%
15-24	Number	1	3	2	1	0	7
	Percent	14.3%	42.9%	28.6%	14.3%	---	100.0%
25-34	Number	9	35	34	6	29	113
	Percent	8.0%	31.0%	30.1%	5.3%	25.7%	100.0%
35-44	Number	106	271	217	33	130	757
	Percent	14.0%	35.8%	28.7%	4.4%	17.2%	100.0%
45-54	Number	321	626	374	70	232	1,623
	Percent	19.8%	38.6%	23.0%	4.3%	14.3%	100.0%
55-64	Number	331	870	448	66	316	2,031
	Percent	16.3%	42.8%	22.1%	3.2%	15.6%	100.0%
65-74	Number	270	846	352	84	301	1,853
	Percent	14.6%	45.7%	19.0%	4.5%	16.2%	100.0%
75-84	Number	109	492	193	59	222	1,075
	Percent	10.1%	45.8%	18.0%	5.5%	20.7%	100.0%
85+	Number	14	111	56	16	85	282
	Percent	5.0%	39.4%	19.9%	5.7%	30.1%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	1,243	3,254	1,676	336	1,315	7,824
	Percent	15.9%	41.6%	21.4%	4.3%	16.8%	100.0%

Table 70. Breast 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	1,035	54	2	60	58	34	1,243
	Percent	15.7%	13.6%	8.3%	22.0%	16.0%	18.2%	15.9%
Localized	Number	2,802	155	10	98	134	55	3,254
	Percent	42.6%	38.9%	41.7%	35.9%	36.9%	29.4%	41.6%
Regional	Number	1,411	88	6	64	82	25	1,676
	Percent	21.4%	22.1%	25.0%	23.4%	22.6%	13.4%	21.4%
Distant	Number	265	34	2	15	18	2	336
	Percent	4.0%	8.5%	8.3%	5.5%	5.0%	1.1%	4.3%
Unstaged	Number	1,066	67	4	36	71	71	1,315
	Percent	16.2%	16.8%	16.7%	13.2%	19.6%	38.0%	16.8%
Total	Number	6,579	398	24	273	363	187	7,824
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

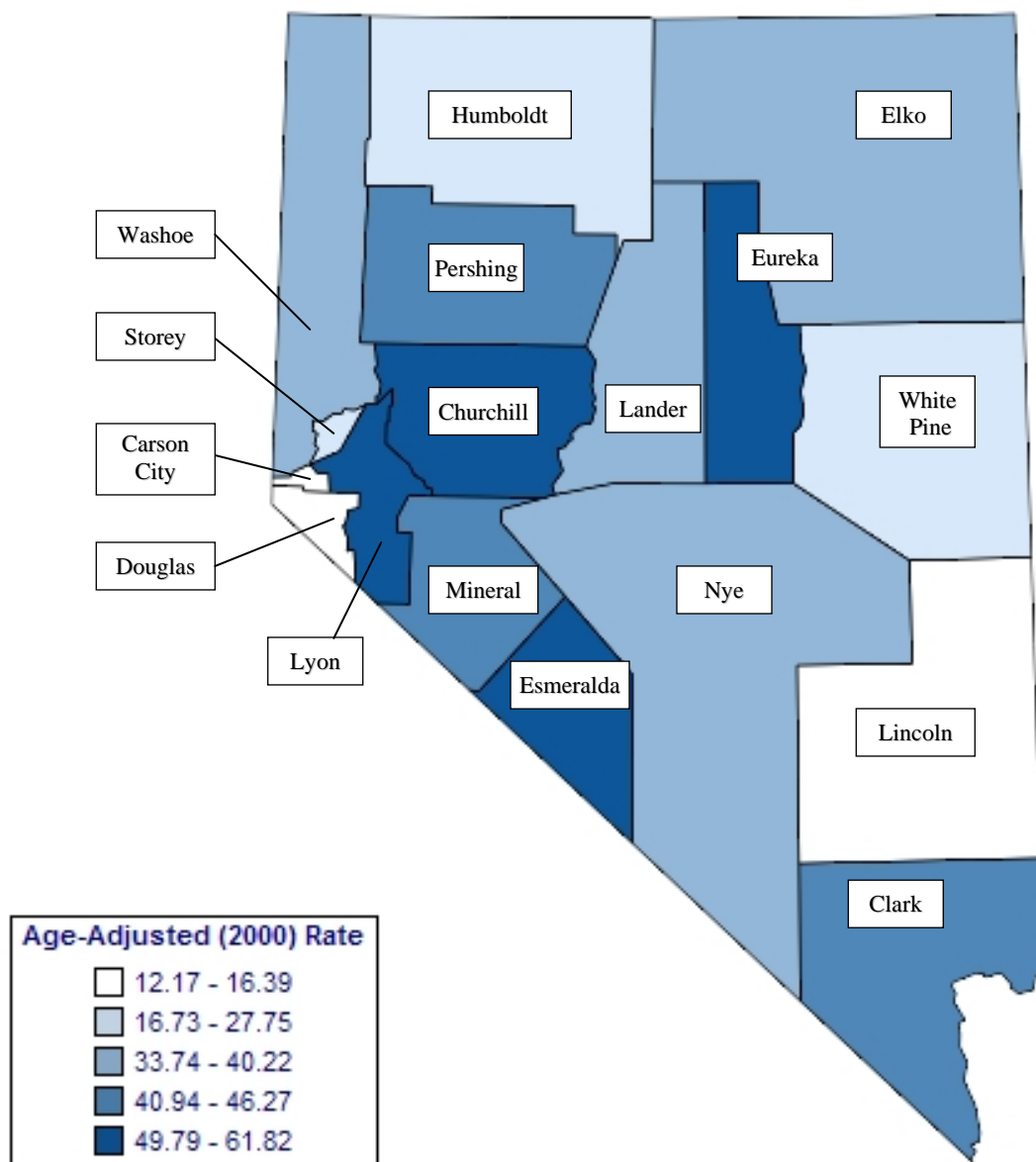
Table 71. Median Age at Diagnosis of Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	70	70.5	6,508	62.0	6,578	62.0
Black	7	63.0	391	58.0	398	58.0
Native American	---	---	24	59.5	24	59.5
Asian	2	---	271	54.0	273	54.0
Hispanic	1	---	362	52.0	363	52.0
Other/Unknown	1	---	186	59.5	187	60.0
Total	81	69.0	7,742	61.0	7,823	61.0

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 53. Female Breast Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 2000-2004



Note: Rates are per 100,000 female 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 54. Female Breast Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 2000-2004

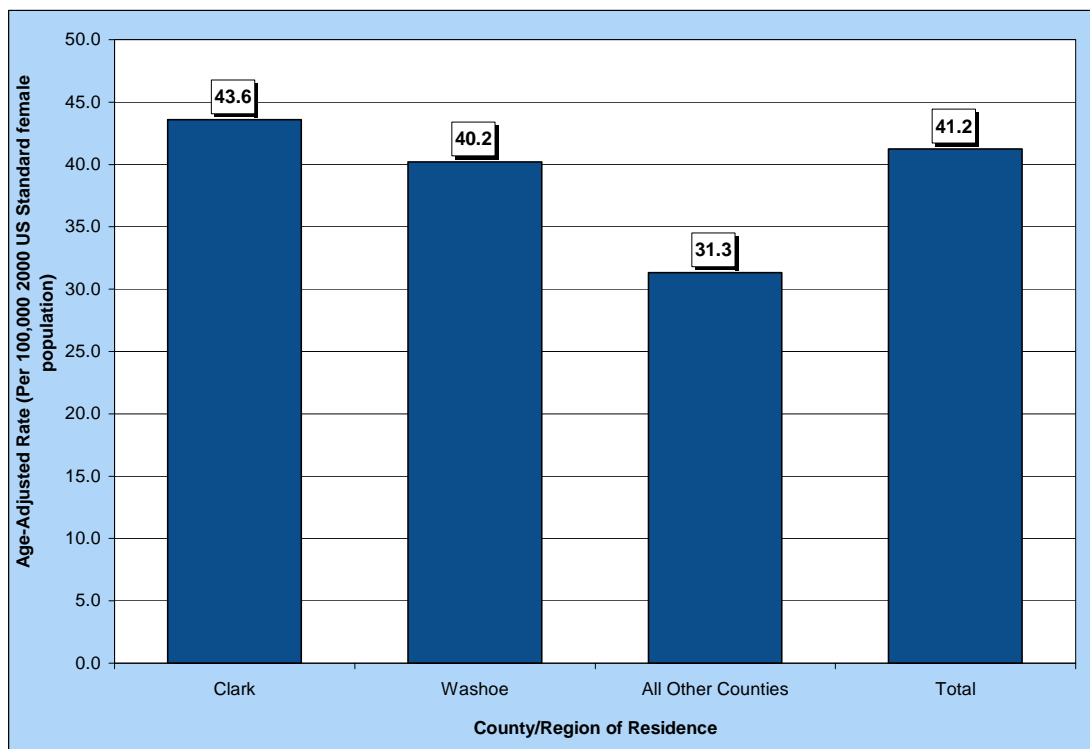


Figure 55. Median Charges for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

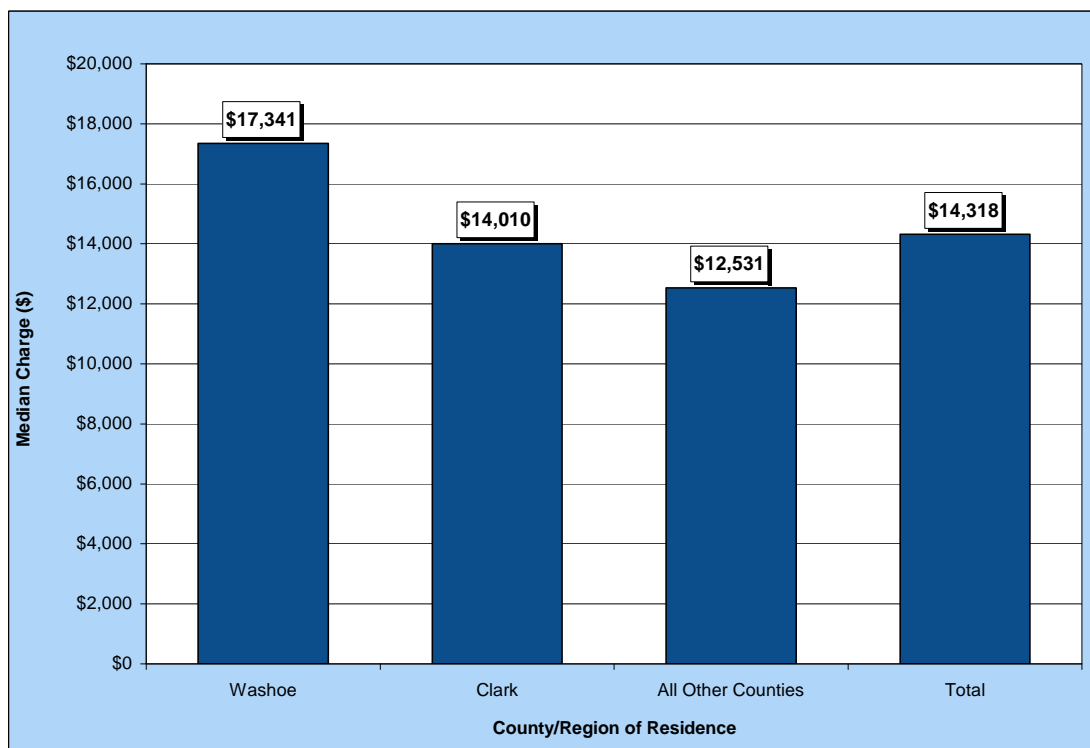


Figure 56. Average Length of Stay for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

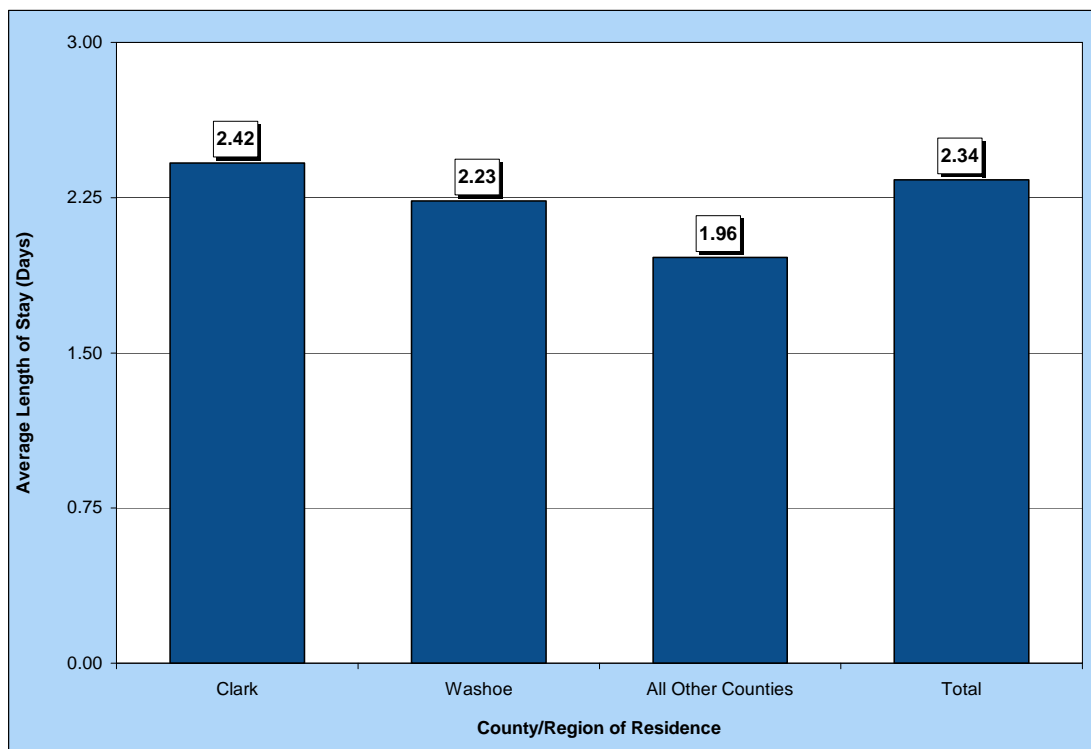


Table 72. Breast Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,276	1,654	362	260	0
Rate*	21.5	22.7	21.4	16.1	---
95% C.I.	(20.6-22.4)	(21.6-23.9)	(19.2-23.8)	(14.1-18.2)	---
Gender					
Male	23	15	7	1	0
Rate*	0.5	0.4	---	---	---
95% C.I.	(0.3-0.8)	(0.2-0.7)	---	---	---
Female	2,253	1,639	355	259	0
Rate*	41.2	43.6	40.2	31.3	---
95% C.I.	(39.5-43.0)	(41.5-45.8)	(36.1-44.7)	(27.6-35.5)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$41,141,441	\$30,023,246	\$7,379,109	\$3,739,086	\$0
Average Charges	\$18,076	\$18,152	\$20,384	\$14,381	\$0
Median Charges	\$14,318	\$14,010	\$17,341	\$12,531	\$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	5,318	3,999	809	510	0
Average LOS	2.3	2.4	2.2	2.0	0.0
Median LOS	1.0	1.0	2.0	1.0	0.0

* Rates are per 100,000 female 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 73. Female Breast 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	2,253	1,639	355	259
Rate*	41.9	43.3	40.1	36.2
95% C.I.	(40.1-43.6)	(41.2-45.4)	(36.0-44.3)	(31.8-40.6)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	40	31	4	5
Rate*	5.2	5.4	---	---
95% C.I.	(3.56-6.76)	(3.50-7.31)	---	---
35-44	230	174	36	20
Rate*	28.1	30.4	25.8	18.4
95% C.I.	(24.43-31.68)	(25.92-34.97)	(17.38-34.23)	(10.32-26.43)
45-54	483	339	92	52
Rate*	65.6	68.3	71.4	46.9
95% C.I.	(59.74-71.44)	(61.00-75.53)	(56.82-86.00)	(34.12-59.58)
55-64	541	409	74	58
Rate*	97.8	106.1	86.4	70.5
95% C.I.	(89.51-105.98)	(95.79-116.35)	(66.72-106.09)	(52.38-88.68)
65-74	530	393	74	63
Rate*	145.8	156.3	135.9	109.4
95% C.I.	(133.39-158.21)	(140.84-171.74)	(104.95-166.88)	(82.36-136.37)
75-84	330	226	53	51
Rate*	146.5	147.9	146.9	140.1
95% C.I.	(130.65-162.25)	(128.58-167.13)	(107.38-186.50)	(101.62-178.51)
85+	94	63	21	10
Rate*	148.6	154.1	177.1	95.2
95% C.I.	(118.58-178.67)	(116.05-192.16)	(101.34-252.82)	(36.19-154.18)
Unknown	0	0	0	0

* Rates are per 100,000 female 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 74. Breast Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 2000-2004

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	2	2
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	3	3
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	40	41
Rate*	---	5.16	2.53
95% C.I.	---	(3.56-6.76)	(1.76-3.31)
35-44	2	230	232
Rate*	---	28.05	13.61
95% C.I.	---	(24.43-31.68)	(11.86-15.36)
45-54	4	483	487
Rate*	---	65.59	32.61
95% C.I.	---	(59.74-71.44)	(29.72-35.51)
55-64	2	541	543
Rate*	---	97.75	49.74
95% C.I.	---	(89.51-105.98)	(45.56-53.92)
65-74	5	530	535
Rate*	---	145.80	74.63
95% C.I.	---	(133.39-158.21)	(68.31-80.96)
75-84	7	330	337
Rate*	---	146.45	82.00
95% C.I.	---	(130.65-162.25)	(73.24-90.75)
85+	2	94	96
Rate*	---	148.63	101.04
95% C.I.	---	(118.58-178.67)	(80.83-121.25)
Unknown	0	0	0
Total	23	2,253	2,276
Rate*	0.41	41.86	20.80
95% C.I.	(0.2-0.6)	(40.1-43.6)	(19.9-21.7)

* Rates are per 100,000 female 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 75. Female Breast 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	27	20.7	(12.9-28.6)	16.4	(10.7-24.4)
Churchill	40	64.2	(44.3-84.1)	61.8	(44.1-84.6)
Clark	1,639	43.3	(41.2-45.4)	43.6	(41.5-45.8)
Douglas	18	16.4	(8.8-23.9)	12.2	(7.2-19.7)
Elko	26	23.8	(14.6-32.9)	33.7	(21.2-51.9)
Esmeralda	2	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	10	26.1	(9.9-42.3)	27.7	(13.0-53.4)
Lander	4	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	57	58.8	(43.5-74.0)	49.8	(37.6-65.1)
Mineral	8	---	---	---	---
Nye	50	57.8	(41.8-73.8)	38.9	(28.6-52.6)
Pershing	6	---	---	---	---
Storey	2	---	---	---	---
Washoe	355	40.1	(36.0-44.3)	40.2	(36.1-44.7)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	2,253	41.9	(40.1-43.6)	41.2	(39.5-43.0)

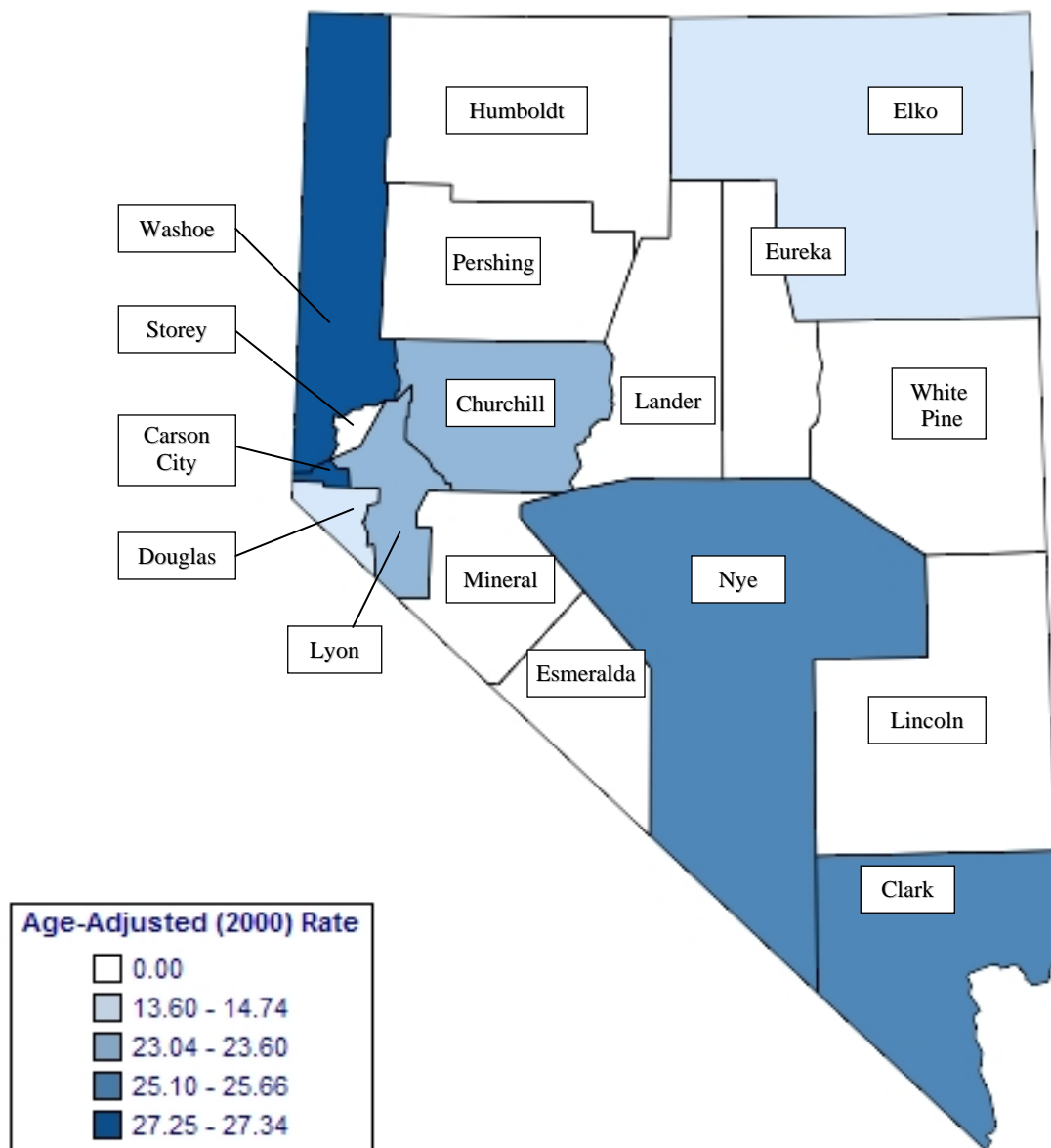
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 76. Breast 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	2	---	---	---	---	---	---
15-24	3	---	---	---	---	---	---
25-34	41	850,209	20,737	17,216	106	2.6	2.0
35-44	232	5,054,492	21,787	16,857	691	3.0	2.0
45-54	487	9,705,749	19,930	15,840	1,231	2.5	2.0
55-64	543	9,075,586	16,714	14,080	1,144	2.1	1.0
65-74	535	9,223,797	17,241	13,461	1,098	2.1	1.0
75-84	337	5,316,375	15,776	13,240	707	2.1	1.0
85+	96	1,844,611	19,215	12,697	333	3.5	1.0
Unknown	0	---	---	---	---	---	---
Total	2,276	41,141,441	18,076	14,318	5,318	2.3	1.0

MORTALITY

Figure 57. Female Breast Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 2000-2004



Note: Rates are per 100,000 female 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 58. Female Breast Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 2000-2004

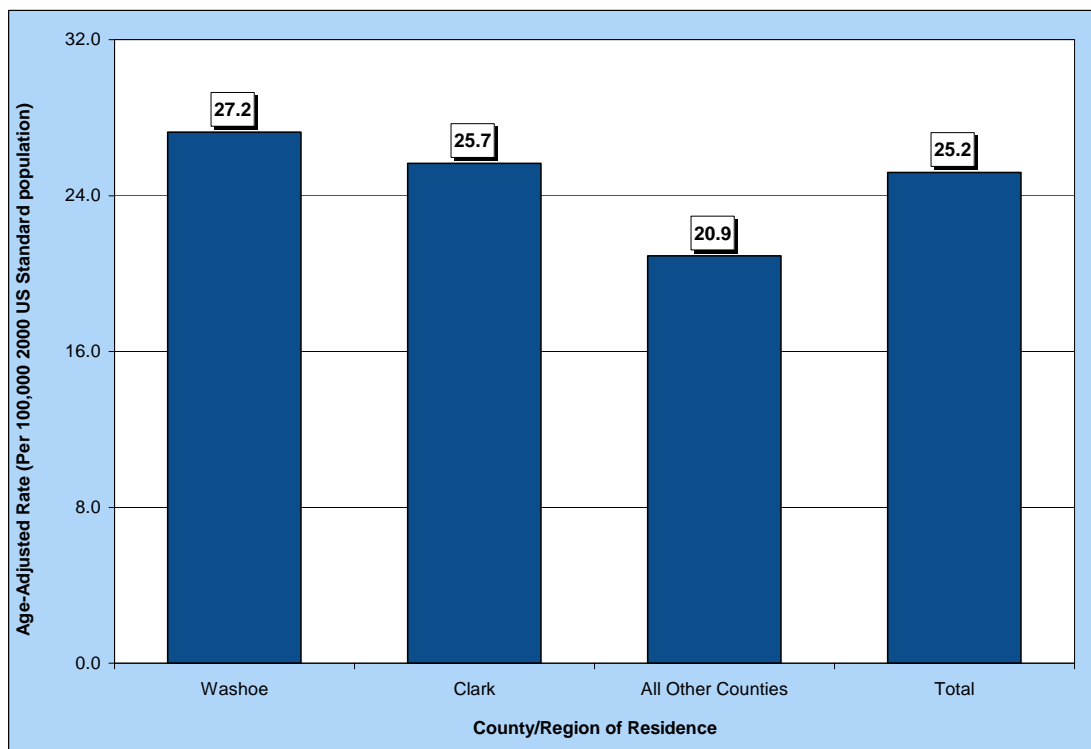


Figure 59. Female Breast Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 2000-2004

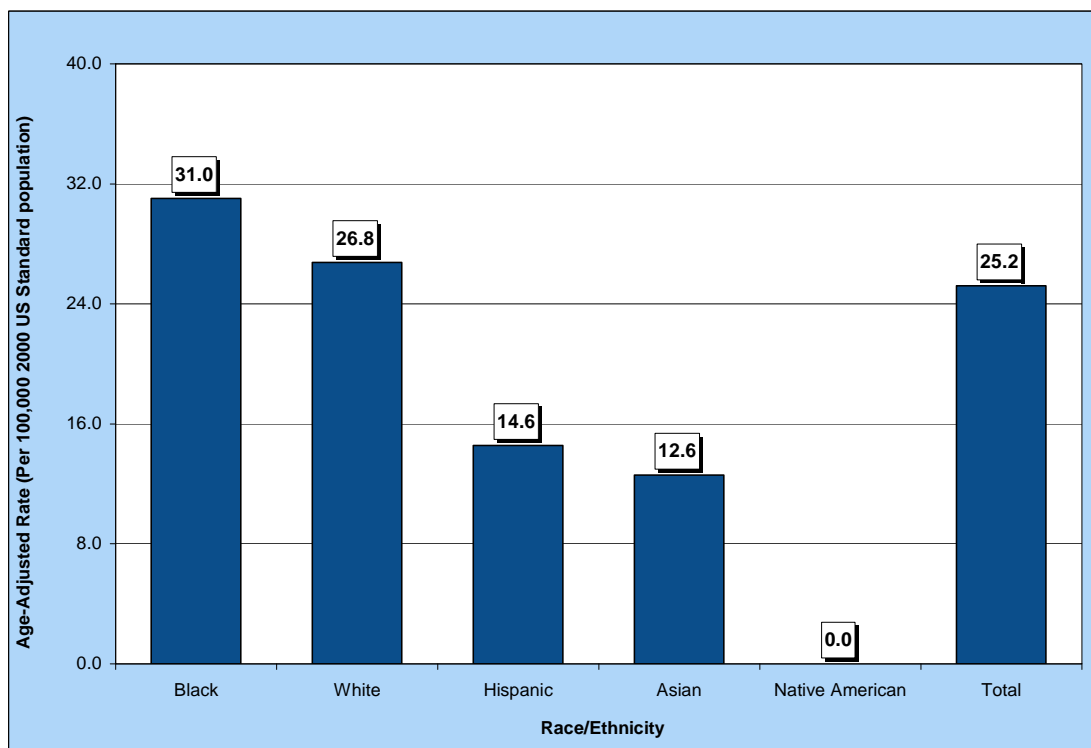


Table 77. Breast Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,357	943	238	176
Rate*	13.6	13.9	14.8	11.0
95% C.I.	(12.9-14.4)	(13.0-14.9)	(13.0-16.9)	(9.4-12.8)
Gender				
Male	15	11	2	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Female	1,342	932	236	174
Rate*	25.2	25.7	27.2	20.9
95% C.I.	(23.9-26.6)	(24.0-27.4)	(23.9-31.0)	(17.9-24.3)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	1,140	757	221	162
Rate*	26.8	27.3	29.6	21.5
95% C.I.	(25.2-28.4)	(25.4-29.4)	(25.9-33.9)	(18.3-25.1)
Black	89	84	3	2
Rate*	31.0	31.6	---	---
95% C.I.	(24.7-38.8)	(24.9-39.9)	---	---
Native American	9	4	0	5
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	38	33	4	1
Rate*	12.6	13.2	---	---
95% C.I.	(9.0-17.5)	(9.2-18.6)	---	---
Hispanic	65	53	8	4
Rate*	14.6	14.7	---	---
95% C.I.	(10.7-19.8)	(10.4-20.8)	---	---
Other/Unknown	1	1	0	0

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

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

Table 78. Female Breast 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	1,342	932	236	174
Rate*	25.2	25.7	27.2	20.9
95% C.I.	(23.9-26.6)	(24.0-27.4)	(23.9-31.0)	(17.9-24.3)
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	9	8	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	88	68	12	8
Rate*	10.7	11.9	8.6	---
95% C.I.	(8.49-12.98)	(9.07-14.73)	(3.73-13.47)	---
45-54	211	138	45	28
Rate*	28.7	27.8	34.9	25.2
95% C.I.	(24.79-32.52)	(23.15-32.43)	(24.72-45.14)	(15.88-34.57)
55-64	303	210	51	42
Rate*	54.8	54.5	59.6	51.1
95% C.I.	(48.58-60.91)	(47.10-61.83)	(43.21-75.89)	(35.63-66.52)
65-74	311	216	53	42
Rate*	85.6	85.9	97.3	72.9
95% C.I.	(76.05-95.06)	(74.44-97.35)	(71.14-123.55)	(50.86-94.96)
75-84	275	195	42	38
Rate*	122.0	127.6	116.5	104.4
95% C.I.	(107.62-136.47)	(109.67-145.48)	(81.23-151.66)	(71.18-137.54)
85+	144	96	32	16
Rate*	227.7	234.8	269.8	152.3
95% C.I.	(190.49-264.87)	(187.85-281.80)	(176.35-363.34)	(77.67-226.92)
Unknown	1	1	0	0

* Rates are per 100,000 female age-specific population.
 Note: The "---" is used for rates calculated on numbers less than ten.

Table 79. Female Breast 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	45	34.6	(24.5-44.7)	27.3	(19.9-37.1)
Churchill	15	24.1	(11.9-36.3)	23.0	(12.9-38.5)
Clark	932	24.6	(23.1-26.2)	25.7	(24.0-27.4)
Douglas	21	19.1	(10.9-27.2)	13.6	(8.4-20.9)
Elko	11	10.1	(4.1-16.0)	14.7	(7.0-28.4)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	9	---	---	---	---
Lander	4	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	27	27.8	(17.3-38.3)	23.6	(15.5-34.7)
Mineral	5	---	---	---	---
Nye	27	31.2	(19.4-43.0)	25.1	(16.1-38.0)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	236	26.7	(23.3-30.1)	27.2	(23.9-31.0)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	1,342	24.9	(23.6-26.3)	25.2	(23.9-26.6)

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

Table 80. Breast Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	10	1,140	0	1,150
	Rate*	0.2	26.8	---	14.3
	95% C.I.	(0.1-0.4)	(25.2-28.4)	---	(13.4-15.1)
Black	Incidence	5	89	0	94
	Rate*	---	31.0	---	18.0
	95% C.I.	---	(24.7-38.8)	---	(14.2-22.7)
Native American	Incidence	0	9	0	9
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	0	38	0	38
	Rate*	---	12.6	---	7.3
	95% C.I.	---	(9.0-17.5)	---	(5.2-10.2)
Hispanic	Incidence	0	65	0	65
	Rate*	---	14.6	---	7.9
	95% C.I.	---	(10.7-19.8)	---	(5.7-11.1)
Other/Unknown	0	1	0	1	
Total	Incidence	15	1,342	0	1,357
	Rate*	0.3	25.2	---	13.6
	95% C.I.	(0.2-0.6)	(23.9-26.6)	---	(12.9-14.4)

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

Table 81. Breast Cancer Mortality by Age Group and Gender, Nevada Residents, 2000-2004

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	9	9
Rate*	---	---	---
95% C.I.	---	---	---
35-44	1	88	89
Rate*	---	10.73	5.22
95% C.I.	---	(8.49-12.98)	(4.14-6.30)
45-54	2	211	213
Rate*	---	28.65	14.26
95% C.I.	---	(24.79-32.52)	(12.35-16.18)
55-64	4	303	307
Rate*	---	54.75	28.12
95% C.I.	---	(48.58-60.91)	(24.98-31.27)
65-74	6	311	317
Rate*	---	85.55	44.22
95% C.I.	---	(76.05-95.06)	(39.35-49.09)
75-84	1	275	276
Rate*	---	122.04	67.15
95% C.I.	---	(107.62-136.47)	(59.23-75.08)
85+	1	144	145
Rate*	---	227.68	152.61
95% C.I.	---	(190.49-264.87)	(127.77-177.45)
Unknown	0	1	1
Total	15	1,342	1,357
Rate*	0.27	24.93	12.40
95% C.I.	(0.1-0.4)	(23.6-26.3)	(11.7-13.1)

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

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

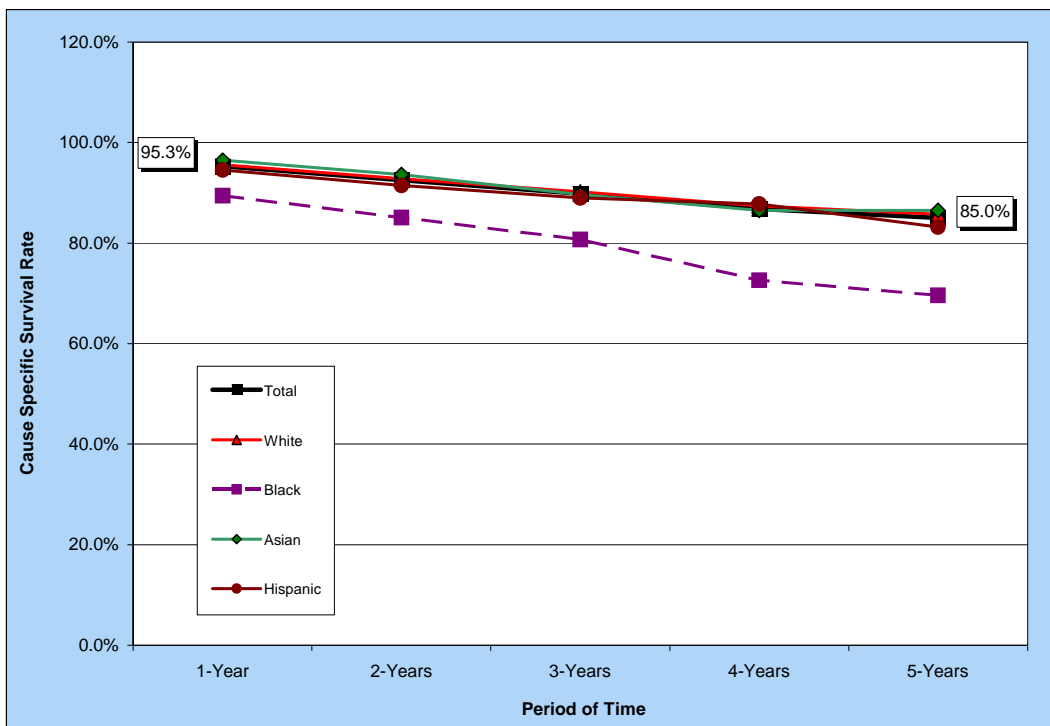
Table 82. Median Age at Death from Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	10	64.0	1,140	68.0	1,150	68.0
Black	5	68.0	89	61.0	94	62.0
Native American	0	---	9	60.0	9	60.0
Asian	0	---	37	57.0	37	57.0
Hispanic	0	---	65	57.0	65	57.0
Other/Unknown	0	---	1	---	1	---
Total	15	67.0	1,341	67.0	1,356	67.0

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 60. Survival Rates for Breast 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 61. Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 2000-2004

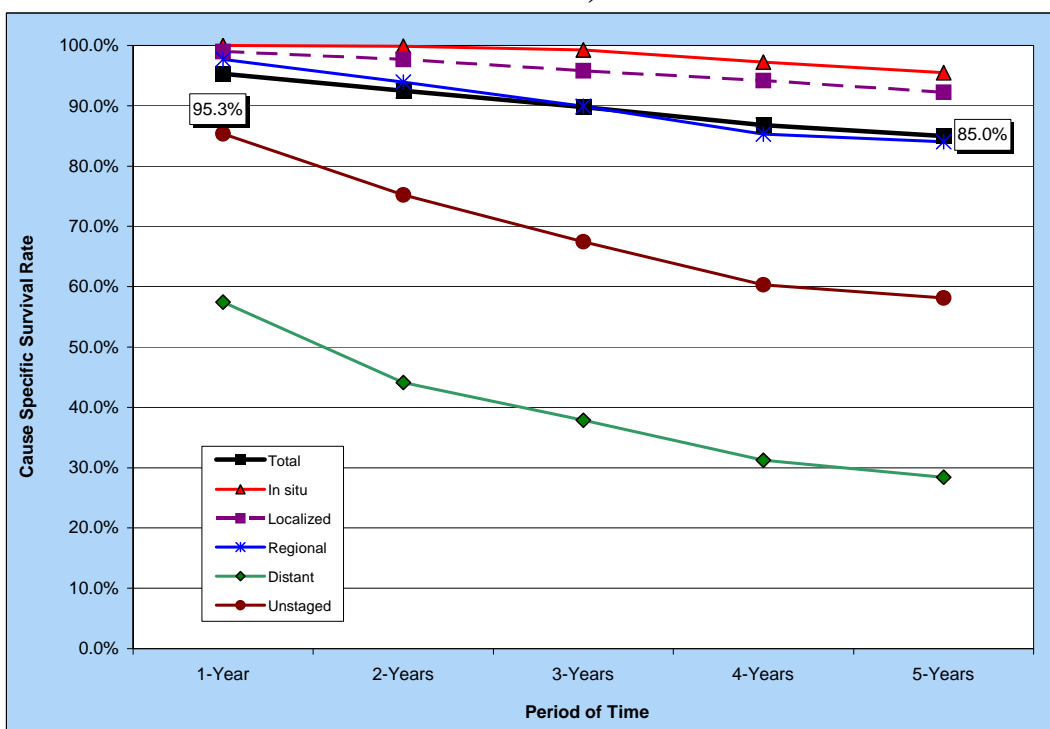


Table 83. Cause-Specific Survival Rates for Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

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	6,760	95.3%	92.5%	89.8%	86.8%	85.0%	> 5 YEARS
Male	62	90.8%	90.8%	82.6%	82.6%	82.6%	> 5 YEARS
Female	6,697	95.4%	92.5%	89.8%	86.8%	85.0%	> 5 YEARS
Race/Ethnicity							
White	5,646	95.6%	92.8%	90.2%	87.4%	85.7%	> 5 YEARS
Male	51	90.9%	90.9%	90.9%	90.9%	90.9%	> 5 YEARS
Female	5,594	95.6%	92.9%	90.2%	87.4%	85.7%	> 5 YEARS
Black	347	89.4%	85.1%	80.7%	72.6%	69.6%	> 5 YEARS
Male	7	---	---	---	---	---	.
Female	340	89.5%	85.1%	81.9%	73.4%	70.3%	> 5 YEARS
Native American	15	---	---	---	---	---	.
Male	0	---	---	---	---	---	---
Female	15	---	---	---	---	---	.
Asian	250	96.5%	93.7%	89.6%	86.5%	86.5%	> 5 YEARS
Male	2	---	---	---	---	---	.
Female	248	96.4%	93.6%	89.6%	86.4%	86.4%	> 5 YEARS
Hispanic	324	94.5%	91.4%	89.0%	87.8%	83.2%	> 5 YEARS
Male	1	---	---	---	---	---	.
Female	323	94.5%	91.4%	88.9%	87.7%	83.1%	> 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) 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 84. Cause-Specific Survival Rates for Breast 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	6,760	62	6,697
	One Year	95.3%	90.8%	95.4%
	5 Years	85.0%	82.6%	85.0%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	1,105	6	1,099
	One Year	100.0%	---	100.0%
	5 Years	95.5%	---	95.5%
	Median Survival	> 5 YEARS	.	> 5 YEARS
Localized	Cases	2,794	24	2,770
	One Year	99.0%	---	99.0%
	5 Years	92.3%	---	92.3%
	Median Survival	> 5 YEARS	.	> 5 YEARS
Regional	Cases	1,474	17	1,457
	One Year	97.7%	---	97.8%
	5 Years	84.1%	---	84.0%
	Median Survival	> 5 YEARS	.	> 5 YEARS
Distant	Cases	292	4	288
	One Year	57.5%	---	57.2%
	5 Years	28.4%	---	28.5%
	Median Survival	1.56	.	1.53
Unstaged	Cases	1,095	11	1,083
	One Year	85.4%	---	85.3%
	5 Years	58.1%	---	58.0%
	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.