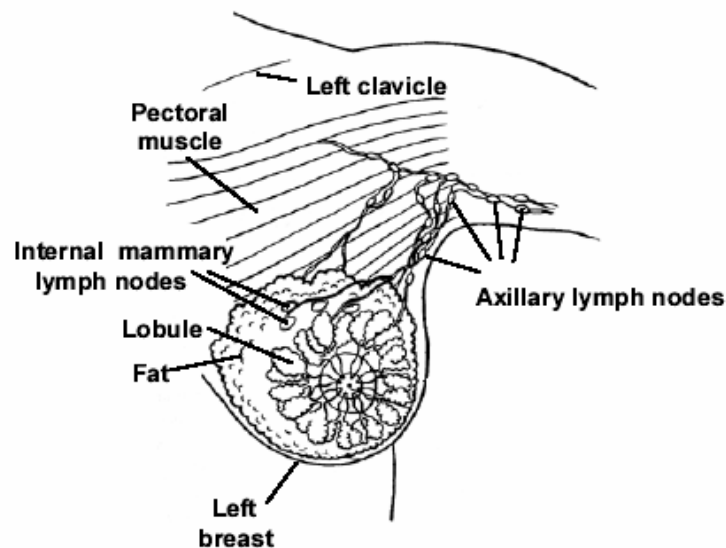


BREAST CANCER

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, 135.2, to the age-adjusted mortality rate, 25.9 (per 100,000 – 2000 US Standard female population), for Female Breast Cancer was 5.22 during the 1996 to 2001 period, which means that for every 5.22 Female Breast Cancer cases there was one female death 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 1997 to 2001. The median age at time of death due to Breast Cancer for females was 67 years.

CANCER SCREENING

- From 1997 to 2001, 93.9% of the 5,593 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, 89.8% (87.1%-92.5%), or high school, 91.3% (90.0%-92.6%), had a statistically significant lower rate of ever having had a mammogram and/or clinical breast exam than those who stated their education level at some post high school, 96.0% (95.1%-96.9%), or college graduate, 96.7% (95.7%-97.7%), during the 1996 to 2001 period.
- Those women whose age was 18 to 24 years, 80.7% (77.3%-84.1%), had the lowest statistically significant percentage of ever having a mammogram and/or a clinical breast exam of any age group surveyed from 1996 to 2001. However, those women 25 to 34 years of age also had a statistically significant lower percentage, 92.2% (90.6%-93.8%), than all other age groups surveyed.

INCIDENCE

- There were 6,420 cases of Female Breast Cancer reported in Nevada from 1997 to 2001. Regional comparisons showed that Washoe County's age-adjusted incidence rate, 154.3 (145.8-163.1), was statistically higher than the rate for Clark County, 134.4 (145.8-163.7), and the All Other Counties region, 118.0 (110.4-126.1), during this period. Nevada and all three regions had similar rates compared to the National rate, 135.2 (134.4-135.9 - per 100,000 – 2001 US Standard female population) 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 53 years, the lowest of any racial/ethnic group. The racial/ethnic group with the highest median age at diagnosis was White females with a median age of 62 years for the 1997 to 2001 period.
- White females accounted for 88.4% of all reported Female Breast Cancer cases in Nevada from 1997 to 2001. They had a statistically significant higher rate, 76.6 (74.6-78.7), than Black females, 72.2 (64.1-81.5), Asian females, 38.0 (31.6-46.8), Hispanic

females, 28.6 (24.3-33.9), and Native American females, 18.8 (11.1-31.2), per 100,000 – 2001 US Standard population, during this period.

INPATIENT HOSPITAL DISCHARGES

- There were 2,589 female hospital inpatient discharges with a primary diagnosis of Breast Cancer from 1997 to 2001. Washoe County had the highest age-adjusted inpatient discharge rate, 56.5, for Female Breast Cancer, and was followed by Clark County and the All Other Counties region with rates of 56.4 and 45.6 (per 100,000 – 2001 US Standard female population), respectively.
- Total billed charges for hospital inpatient discharges from Breast Cancer in Nevada totaled nearly 35 million dollars from 1997 to 2001. Washoe County had the highest median total charge (\$16,328) and average length of stay (2.5 days) 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 over \$5,900 from 1996 to 2001.

MORTALITY

- There were 1,195 female deaths in Nevada due to Breast Cancer from 1997 to 2001. While Washoe County had a higher age-adjusted mortality rate for Female Breast Cancer (29.7) than Clark County (25.5) and All Other Counties (23.5), statistical analysis does not indicate a statistical difference between the three regions or the statewide rate of 25.9 (per 100,000 – 2000 US Standard female population) for this period.
- Racial/ethnic comparisons showed that Black and White females had higher age-adjusted mortality rates, 32.7 and 27.6, respectively, when compared to Asians and Hispanics who had rates of 12.1 and 12.8 (per 100,000 – 2000 US Standard female population), respectively, from 1997 to 2001.

SURVIVAL RATE

- Hispanic females in Nevada had the highest one-year survival rate (91.6%) of any racial/ethnic group for Female Breast Cancer during the 1997 to 2001 period. They were followed by Asian, White and Black females with rates of 90.5%, 88.2% and 81.4%, respectively. Hispanic females also had the highest five-year survival rate (78.5%) for Female Breast Cancer during this time, while, Asian, White and Black females followed with rates of 73.6%, 72.3% and 67.3%, respectively.
- The five-year survival rate for females diagnosed with Breast Cancer at the in situ stage was 84.7% for Nevada from 1997 to 2001. The rate for those at the localized stage was 78.0%, while those recorded at the regional, distant and unstaged stages had rates of 71.6%, 36.7% and 47.5%, respectively.

SCREENING (BRFSS)**Table 63. Female Breast Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1997-2001**

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	5,248	93.9%	(93.3%-94.5%)	345	6.1%	(5.5%-6.7%)	5,593
County/Region of Residence							
Clark County	1,687	94.2%	(93.1%-95.3%)	110	5.8%	(4.7%-6.9%)	1,797
Washoe County	1,745	94.6%	(93.6%-95.6%)	105	5.4%	(4.4%-6.4%)	1,850
All Other Counties	1,816	92.0%	(90.8%-93.2%)	130	8.0%	(6.8%-9.2%)	1,946
Education							
Less than High School	443	89.8%	(87.1%-92.5%)	56	10.2%	(7.5%-12.9%)	499
High School	1,668	91.3%	(90.0%-92.6%)	146	8.7%	(7.4%-10.0%)	1,814
Some Post High School	1,862	96.0%	(95.1%-96.9%)	104	4.0%	(3.1%-4.9%)	1,966
College Graduate	1,264	96.7%	(95.7%-97.7%)	38	3.3%	(2.3%-4.3%)	1,302
Age Group							
18-24 years old	398	80.7%	(77.3%-84.1%)	110	19.3%	(15.9%-22.7%)	508
25-34 years old	973	92.2%	(90.6%-93.8%)	66	7.8%	(6.2%-9.4%)	1,039
35-44 years old	1,248	95.5%	(94.4%-96.6%)	59	4.5%	(3.4%-5.6%)	1,307
45-54 years old	1,031	97.8%	(96.9%-98.7%)	23	2.2%	(1.3%-3.1%)	1,054
55-64 years old	671	96.9%	(95.6%-98.2%)	21	3.1%	(1.8%-4.4%)	692
65+ years old	904	95.5%	(94.2%-96.8%)	63	4.5%	(3.2%-5.8%)	967
Income							
Less than \$15,000	582	91.1%	(88.9%-93.3%)	69	8.9%	(6.7%-11.1%)	651
\$15,000 - \$24,999	467	90.0%	(87.4%-92.6%)	59	10.0%	(7.4%-12.6%)	526
\$25,000 - \$34,999	812	93.6%	(92.0%-95.2%)	52	6.4%	(4.8%-8.0%)	864
\$35,000 - \$49,999	1,024	95.0%	(93.7%-96.3%)	40	5.0%	(3.7%-6.3%)	1,064
\$50,000 or More	1,533	96.5%	(95.6%-97.4%)	36	3.5%	(2.6%-4.4%)	1,569

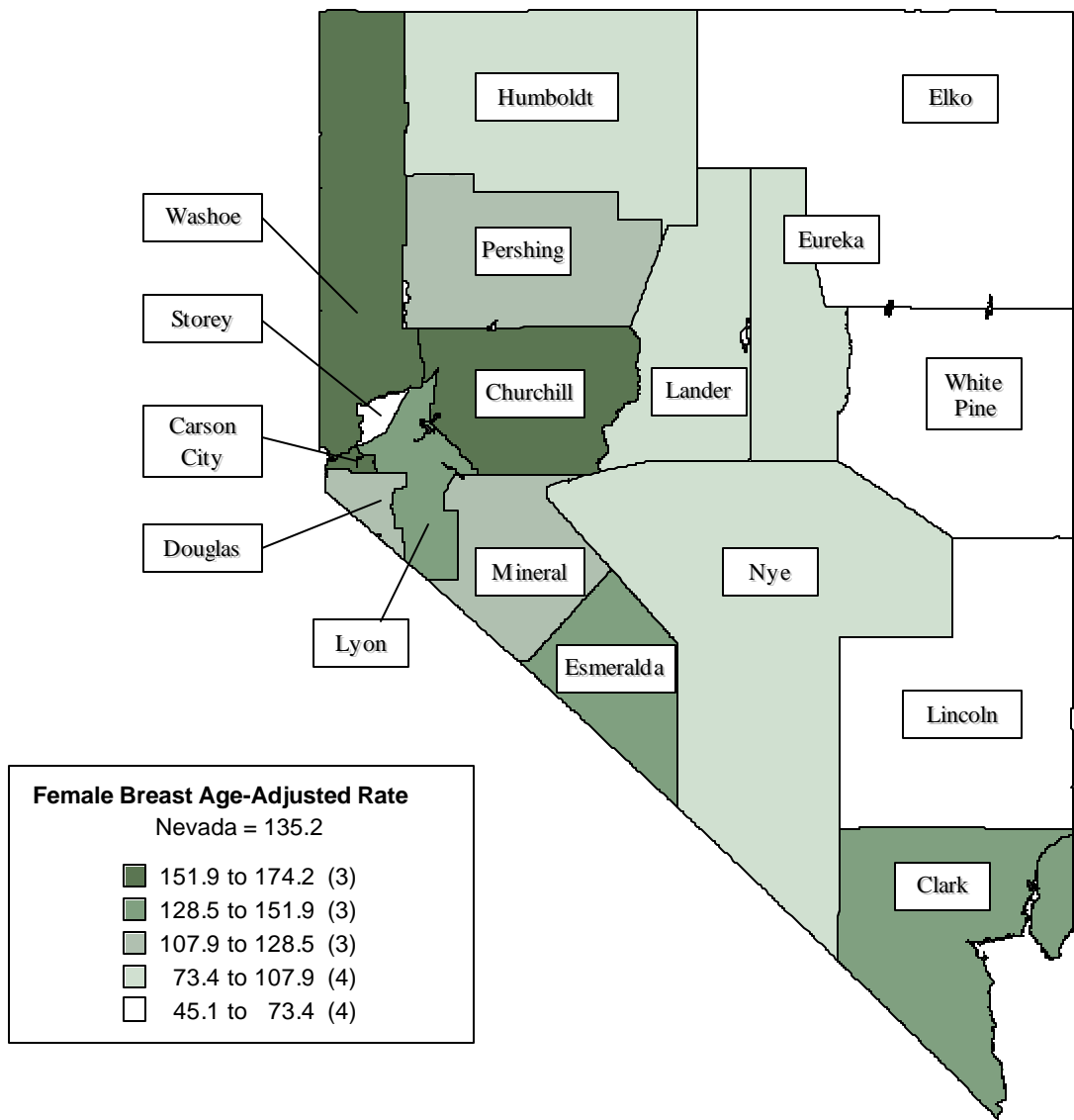
*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

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

- 1) A 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 (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 female population and age-adjusted to 2001 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, 1997-2001

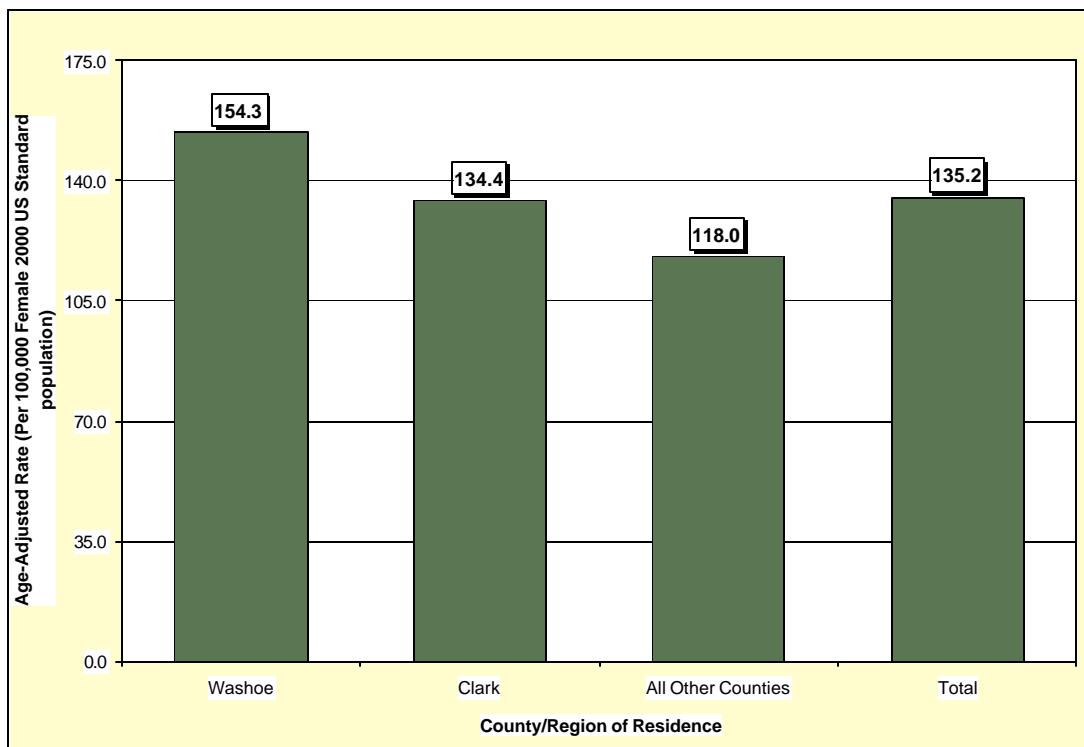


Figure 52. Female Breast Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

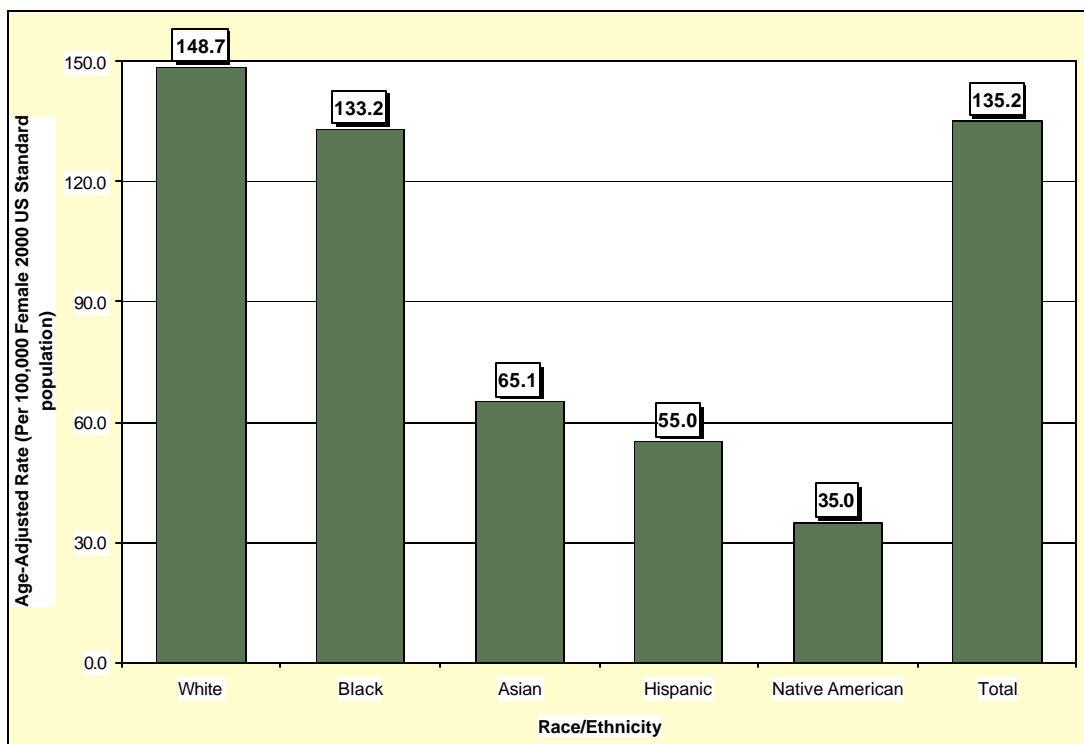


Table 64. Breast Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					SEER 11 (1997-2001)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	6,493	4,314	1,269	907	3	129,844
Rate*	70.5	70.0	81.2	61.1	---	73.9
95% C.I.	(68.7-72.2)	(67.9-72.2)	(76.7-85.9)	(57.1-65.3)	---	(73.5-74.3)
Gender						
Male	73	40	15	18	0	876
Rate*	1.8	1.6	2.3	2.5	---	1.2
95% C.I.	(1.4-2.4)	(1.1-2.3)	(1.3-4.2)	(1.5-4.2)	---	(1.1-1.3)
Female	6,420	4,274	1,254	889	3	128,968
Rate*	135.2	134.4	154.3	118.0	---	135.2
95% C.I.	(131.9-138.6)	(130.3-138.5)	(145.8-163.1)	(110.4-126.1)	---	(134.4-135.9)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	5,678	3,664	1,158	853	3	107,678
Rate*	76.6	77.7	86.1	63.7	---	76.8
95% C.I.	(74.6-78.7)	(75.1-80.3)	(81.2-91.3)	(59.4-68.2)	---	(76.3-77.3)
Black	332	278	38	16	0	10,849
Rate*	72.2	64.9	153.6	194.6	---	69.2
95% C.I.	(64.1-81.5)	(56.9-74.2)	(106.6-216.7)	(110.4-323.7)	---	(67.9-70.6)
Native American	20	9	4	7	0	558
Rate*	18.8	---	---	---	---	29.2
95% C.I.	(11.1-31.2)	---	---	---	---	(26.6-26.6)
Asian	169	124	33	12	0	9,983
Rate*	38.0	33.4	48.6	83.4	---	52.8
95% C.I.	(31.6-46.8)	(27.0-43.2)	(32.3-80.2)	(35.3-193.0)	---	(51.8-53.9)
Hispanic	224	171	36	17	0	9,533
Rate*	28.6	28.1	34.2	23.7	---	48.5
95% C.I.	(24.3-33.9)	(23.3-34.3)	(22.3-54.1)	(12.7-43.4)	---	(47.5-49.6)
Other/Unknown	70	68	0	2	0	776

* Rates are per 100,000 population and age-adjusted to the 2001 US Standard population. Rates for race/ethnicity groups are per 100,000 female population and age-adjusted to the 2001 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 (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					SEER 11 (1997-2001)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	6,493	4,314	1,269	907	3	129,844
Rate*	66.7	64.8	75.6	64.9	---	70.1
95% C.I.	(65.1-68.3)	(62.8-66.7)	(71.4-79.8)	(60.7-69.1)	---	(69.7-70.5)
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	1	1	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	4	4	0	0	0	98
Rate*	---	---	---	---	---	0.4
95% C.I.	---	---	---	---	---	(0.3-0.5)
25-34	106	76	15	15	0	2,481
Rate*	7.2	7.2	5.9	9.5	---	8.5
95% C.I.	(5.8-8.6)	(5.5-8.8)	(2.9-8.9)	(4.7-14.4)	---	(8.1-8.8)
35-44	668	459	134	75	0	13,997
Rate*	42.9	43.9	47.3	33.1	---	44.8
95% C.I.	(39.7-46.2)	(39.8-47.9)	(39.3-55.3)	(25.6-40.6)	---	(44.1-45.5)
45-54	1,393	925	287	181	0	28,553
Rate*	108.5	109.3	121.4	90.1	---	124.8
95% C.I.	(102.8-114.2)	(102.2-116.3)	(107.3-135.4)	(77.0-103.3)	---	(123.3-126.2)
55-64	1,578	1,067	279	231	1	27,877
Rate*	172.2	171.7	185.9	159.9	---	199.1
95% C.I.	(163.7-180.7)	(161.4-182.0)	(164.0-207.7)	(139.3-180.5)	---	(196.8-201.4)
65-74	1,564	1,037	298	228	1	27,629
Rate*	243.5	239.8	290.7	212.7	---	239.5
95% C.I.	(231.5-255.6)	(225.2-254.4)	(257.7-323.7)	(185.1-240.3)	---	(236.7-242.3)
75-84	950	601	201	147	1	21,949
Rate*	270.4	257.3	347.6	245.4	---	302.0
95% C.I.	(253.2-287.6)	(236.8-277.9)	(299.5-395.6)	(205.7-285.1)	---	(298.0-306.0)
85+	221	142	50	29	0	7,256
Rate*	289.9	304.1	322.4	206.7	---	292.6
95% C.I.	(251.7-328.1)	(254.1-354.1)	(233.0-411.8)	(131.5-281.9)	---	(285.8-299.3)
Unknown	8	2	5	1	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, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	266	209.9	(184.7-235.2)	174.2	(153.7-197.0)
Churchill	90	149.7	(118.8-180.6)	152.0	(122.1-187.1)
Clark	4,274	130.6	(126.7-134.5)	134.4	(130.3-138.5)
Douglas	139	136.8	(114.0-159.5)	108.0	(90.6-128.8)
Elko	51	46.1	(33.5-58.8)	62.4	(45.7-84.5)
Esmeralda	4	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	28	70.0	(44.0-95.9)	80.9	(52.9-120.1)
Lander	11	72.4	(29.6-115.2)	93.2	(45.1-175.2)
Lincoln	6	---	---	---	---
Lyon	139	165.7	(138.1-193.2)	143.1	(120.1-169.7)
Mineral	18	137.9	(74.2-201.5)	110.8	(64.8-185.3)
Nye	98	128.2	(102.8-153.5)	88.6	(71.4-110.1)
Pershing	15	108.7	(53.7-163.8)	116.7	(65.0-195.6)
Storey	6	---	---	---	---
Washoe	1,254	151.5	(143.1-159.9)	154.3	(145.8-163.1)
White Pine	15	71.3	(35.2-107.4)	61.7	(34.2-107.0)
Unknown	3	---	---	---	---
Total	6,420	134.1	(130.8-137.4)	135.2	(131.9-138.6)

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 2001 US Standard population.

Table 67. Breast Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	66	5,612	0	5,678
	Rate*	2.0	148.7	---	76.6
	95% C.I.	(1.5-2.6)	(144.8-152.6)	---	(74.6-78.7)
Black	Incidence	4	328	0	332
	Rate*	---	133.2	---	72.2
	95% C.I.	---	(118.6-149.4)	---	(64.1-81.5)
Native American	Incidence	0	20	0	20
	Rate*	---	35.0	---	18.8
	95% C.I.	---	(20.9-56.5)	---	(11.1-31.2)
Asian	Incidence	2	167	0	169
	Rate*	---	65.1	---	38.0
	95% C.I.	---	(54.0-80.5)	---	(31.6-46.8)
Hispanic	Incidence	1	223	0	224
	Rate*	---	55.0	---	28.6
	95% C.I.	---	(47.2-64.3)	---	(24.3-33.9)
Other/Unknown		0	70	0	70
Total	Incidence	73	6,420	0	6,493
	Rate*	1.8	135.2	---	70.5
	95% C.I.	(1.4-2.4)	(131.9-138.6)	---	(68.7-72.2)

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 2001 US Standard population.

Table 68. Breast Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

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	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	4	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	105	0	106
Rate*	---	14.8	---	7.2
95% C.I.	---	(12.0-17.7)	---	(5.8-8.6)
35-44	4	664	0	668
Rate*	---	88.4	---	42.9
95% C.I.	---	(81.7-95.1)	---	(39.7-46.2)
45-54	9	1,384	0	1,393
Rate*	---	218.4	---	108.5
95% C.I.	---	(206.9-229.9)	---	(102.8-114.2)
55-64	17	1,561	0	1,578
Rate*	3.7	338.5	---	172.2
95% C.I.	(2.0-5.5)	(321.7-355.3)	---	(163.7-180.7)
65-74	16	1,548	0	1,564
Rate*	5.0	475.9	---	243.5
95% C.I.	(2.6-7.5)	(452.2-499.6)	---	(231.5-255.6)
75-84	22	928	0	950
Rate*	13.9	481.4	---	270.4
95% C.I.	(8.1-19.7)	(450.5-512.4)	---	(253.2-287.6)
85+	4	217	0	221
Rate*	---	421.4	---	289.9
95% C.I.	---	(365.4-477.5)	---	(251.7-328.1)
Unknown	0	8	0	8
Total	73	6,420	0	6,493
Rate*	1.5	134.1	---	66.7
95% C.I.	(1.1-1.8)	(130.8-137.4)	---	(65.1-68.3)

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, 1997-2001

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	0	2	1	0	1	4
	Percent	---	50.0%	25.0%	---	25.0%	100.0%
25-34	Number	12	40	41	3	10	106
	Percent	11.3%	37.7%	38.7%	2.8%	9.4%	100.0%
35-44	Number	85	283	220	33	47	668
	Percent	12.7%	42.4%	32.9%	4.9%	7.0%	100.0%
45-54	Number	275	612	346	57	103	1,393
	Percent	19.7%	43.9%	24.8%	4.1%	7.4%	100.0%
55-64	Number	241	743	403	77	114	1,578
	Percent	15.3%	47.1%	25.5%	4.9%	7.2%	100.0%
65-74	Number	234	791	323	76	140	1,564
	Percent	15.0%	50.6%	20.7%	4.9%	9.0%	100.0%
75-84	Number	99	514	185	59	93	950
	Percent	10.4%	54.1%	19.5%	6.2%	9.8%	100.0%
85+	Number	11	101	42	8	59	221
	Percent	5.0%	45.7%	19.0%	3.6%	26.7%	100.0%
Unknown	Number	1	4	2	1	0	8
	Percent	12.5%	50.0%	25.0%	12.5%	---	100.0%
Total	Number	958	3,090	1,563	315	567	6,493
	Percent	14.8%	47.6%	24.1%	4.9%	8.7%	100.0%

Table 70. Breast Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	850	34	3	27	31	13	958
	Percent	15.0%	10.2%	15.0%	16.0%	13.8%	18.6%	14.8%
Localized	Number	2,715	140	11	80	107	37	3,090
	Percent	47.8%	42.2%	55.0%	47.3%	47.8%	52.9%	47.6%
Regional	Number	1,352	97	4	44	52	14	1,563
	Percent	23.8%	29.2%	20.0%	26.0%	23.2%	20.0%	24.1%
Distant	Number	266	28	1	7	11	2	315
	Percent	4.7%	8.4%	5.0%	4.1%	4.9%	2.9%	4.9%
Unstaged	Number	495	33	1	11	23	4	567
	Percent	8.7%	9.9%	5.0%	6.5%	10.3%	5.7%	8.7%
Total	Number	5,678	332	20	169	224	70	6,493
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

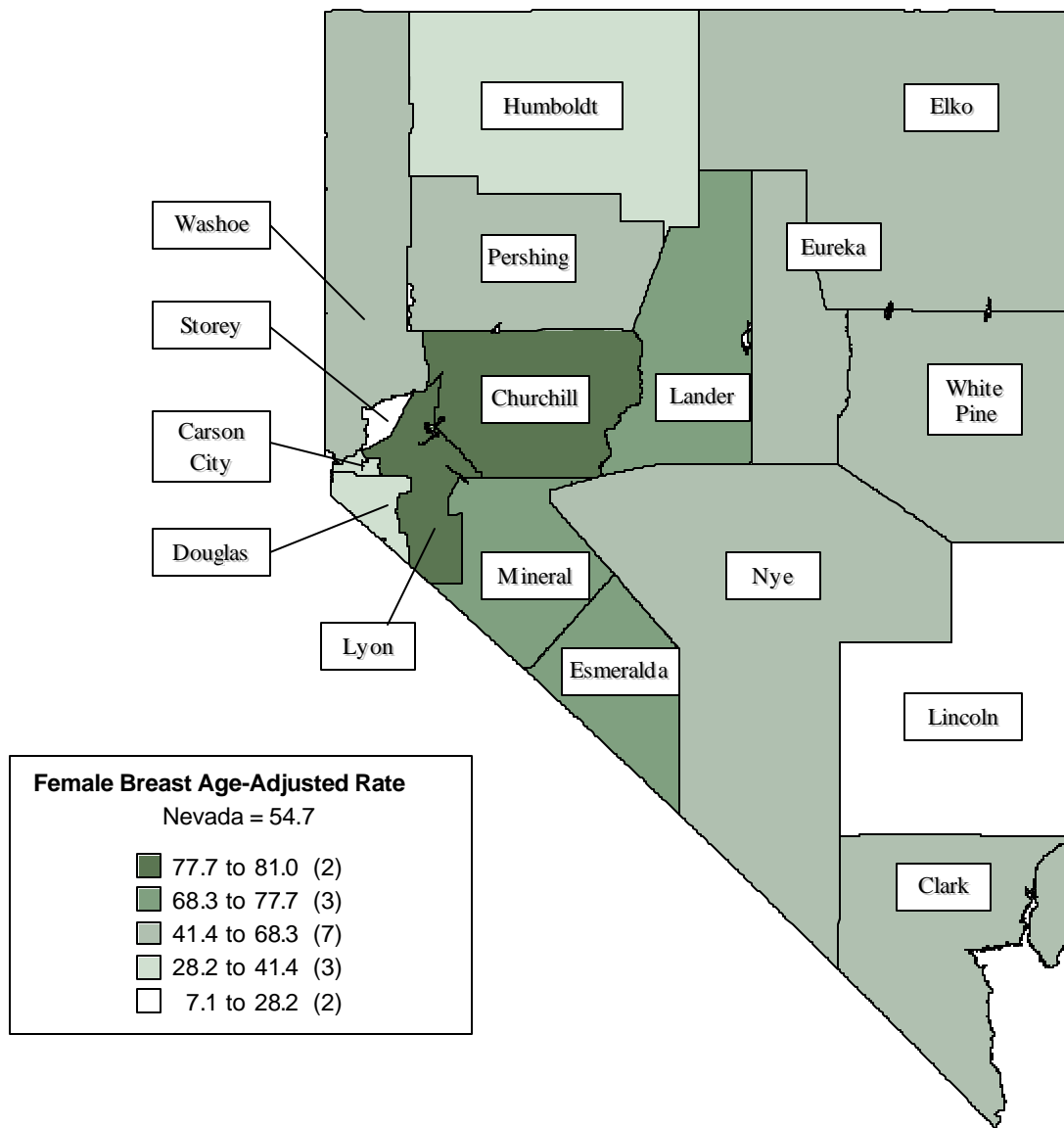
Table 71. Median Age at Diagnosis of Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	66	67.5	5,606	62.0	5,672	62.0
Black	4	---	326	59.0	330	59.0
Native American	0	---	20	57.0	20	57.0
Asian	2	---	167	57.0	169	57.0
Hispanic	1	---	223	53.0	224	53.0
Other/Unknown	0	---	70	59.5	70	59.5
Total	73	67.0	6,412	61.0	6,485	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 (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 female population and age-adjusted to 2001 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, 1997-2001

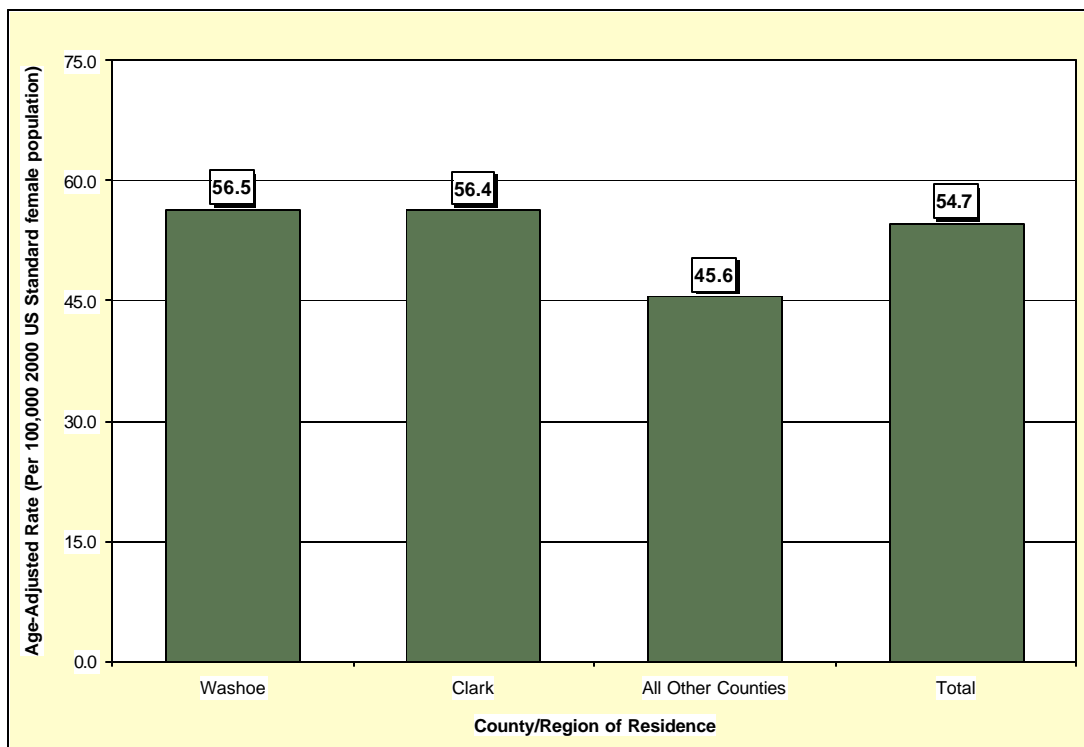


Figure 55. Median Charges for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

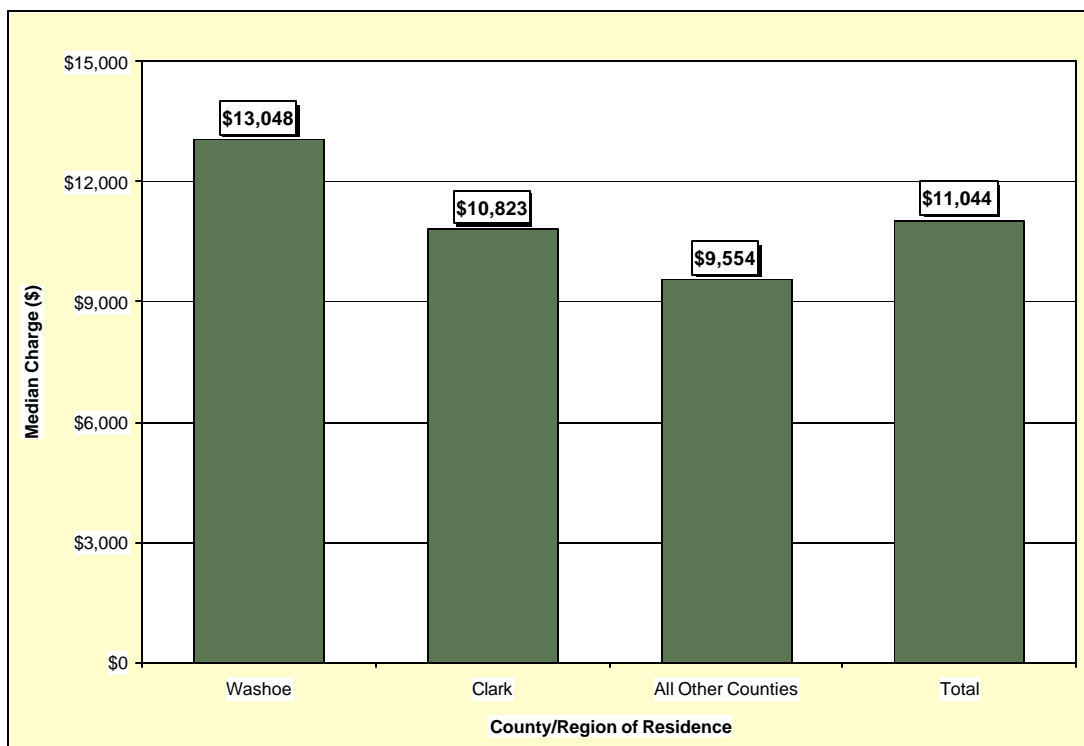


Figure 56. Average Length of Stay for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

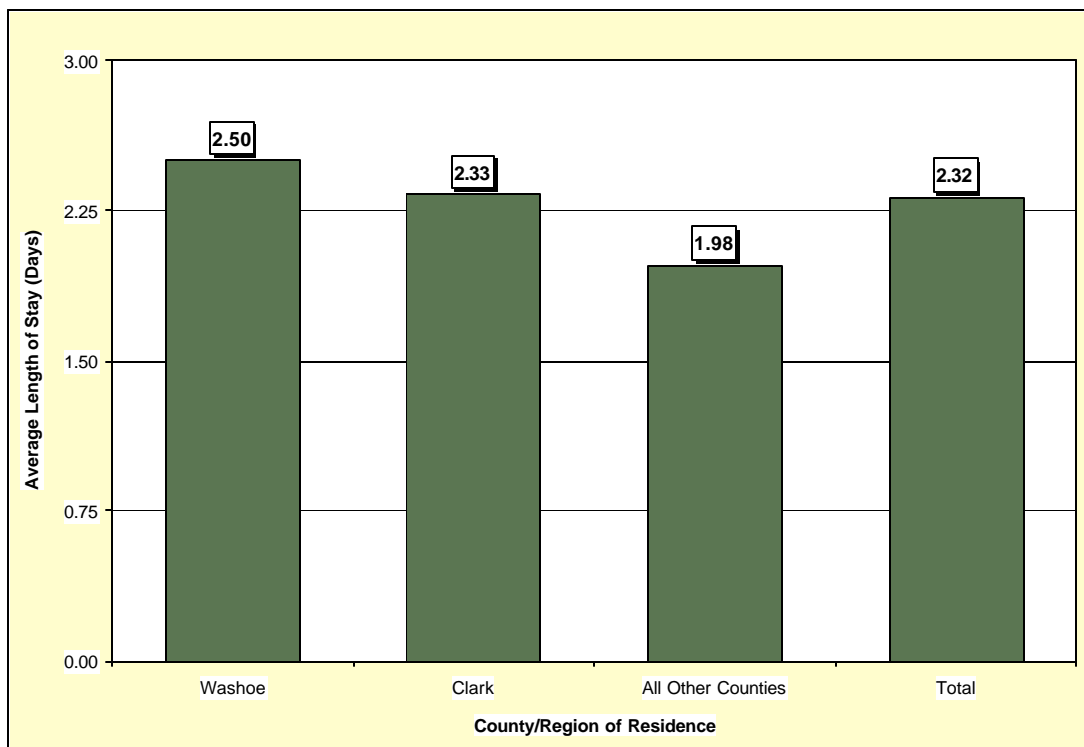


Table 72. Breast Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,608	1,798	464	344	2
Rate*	28.4	29.3	29.7	23.5	---
95% C.I.	(27.3-29.6)	(28.0-30.8)	(27.0-32.6)	(21.0-26.2)	---
Gender					
Male	19	11	5	3	0
Rate*	0.5	0.5	---	---	---
95% C.I.	(0.3-0.9)	(0.2-1.0)	---	---	---
Female	2,589	1,787	459	341	2
Rate*	54.7	56.4	56.5	45.6	---
95% C.I.	(52.6-56.9)	(53.8-59.1)	(51.4-61.9)	(40.8-50.7)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$35,831,623	\$24,293,930	\$7,576,291	\$3,939,010	\$22,392
Average Charges	\$13,739	\$13,512	\$16,328	\$11,451	\$11,196
Median Charges	\$11,044	\$10,823	\$13,048	\$9,554	\$11,196
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,043	4,198	1,162	680	---
Average LOS	2.3	2.3	2.5	2.0	---
Median LOS	1.0	1.0	2.0	1.0	---

* Rates are per 100,000 female population and are age-adjusted to the 2001 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, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Cases	2,589	1,787	459	341	2
Rate*	54.1	54.6	55.5	49.6	---
95% C.I.	(52.0-56.2)	(52.1-57.1)	(50.4-60.5)	(44.3-54.9)	---
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	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	51	36	10	5	0
Rate*	7.2	7.1	8.1	---	---
95% C.I.	(5.2-9.2)	(4.8-9.4)	(3.1-13.2)	---	---
35-44	291	201	55	35	0
Rate*	38.8	40.2	39.6	31.1	---
95% C.I.	(34.3-43.2)	(34.7-45.8)	(29.2-50.1)	(20.8-41.5)	---
45-54	521	370	91	60	0
Rate*	82.2	88.2	78.6	60.9	---
95% C.I.	(75.2-89.3)	(79.2-97.2)	(62.5-94.8)	(45.5-76.3)	---
55-64	609	432	106	69	2
Rate*	132.1	136.5	143.4	97.5	---
95% C.I.	(121.6-142.5)	(123.6-149.4)	(116.1-170.7)	(74.5-120.5)	---
65-74	608	411	105	92	0
Rate*	186.9	187.7	199.1	171.8	---
95% C.I.	(172.1-201.8)	(169.5-205.8)	(161.0-237.1)	(136.7-206.9)	---
75-84	415	274	74	67	0
Rate*	215.3	215.0	223.9	207.8	---
95% C.I.	(194.6-236.0)	(189.5-240.4)	(172.9-274.9)	(158.0-257.5)	---
85+	91	60	18	13	0
Rate*	176.7	188.3	168.7	145.1	---
95% C.I.	(140.4-213.0)	(140.6-235.9)	(90.8-246.7)	(66.2-224.0)	---
Unknown	0	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, 1997-2001

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	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	51	51
Rate*	---	7.2	3.5
95% C.I.	---	(5.2-9.2)	(2.5-4.4)
35-44	2	291	293
Rate*	---	38.8	18.8
95% C.I.	---	(34.3-43.2)	(16.7-21.0)
45-54	2	521	523
Rate*	---	82.2	40.7
95% C.I.	---	(75.2-89.3)	(37.2-44.2)
55-64	1	609	610
Rate*	---	132.1	66.6
95% C.I.	---	(121.6-142.5)	(61.3-71.9)
65-74	2	608	610
Rate*	---	186.9	95.0
95% C.I.	---	(172.1-201.8)	(87.4-102.5)
75-84	11	415	426
Rate*	6.9	215.3	121.3
95% C.I.	(2.8-11.0)	(194.6-236.0)	(109.8-132.8)
85+	1	91	92
Rate*	---	176.7	120.7
95% C.I.	---	(140.4-213.0)	(96.0-145.3)
Unknown	0	0	0
Total	19	2,589	2,608
Rate*	0.4	54.1	26.8
95% C.I.	(0.2-0.6)	(52.0-56.2)	(25.8-27.8)

* 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, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	49	19.7	(14.2-25.2)	17.4	(12.8-23.2)
Churchill	46	38.1	(27.1-49.2)	39.9	(29.2-53.8)
Clark	1,798	27.0	(25.7-28.2)	29.3	(28.0-30.8)
Douglas	38	18.5	(12.6-24.4)	14.6	(10.3-20.7)
Elko	31	13.4	(8.7-18.1)	20.7	(13.6-31.3)
Esmeralda	2	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	11	13.1	(5.4-20.8)	16.1	(7.7-31.6)
Lander	8	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	78	45.9	(35.7-56.0)	41.8	(32.9-52.7)
Mineral	11	41.7	(17.1-66.3)	37.3	(18.4-71.9)
Nye	48	30.5	(21.9-39.2)	22.2	(16.2-30.6)
Pershing	6	---	---	---	---
Storey	1	---	---	---	---
Washoe	464	27.6	(25.1-30.2)	29.7	(27.0-32.6)
White Pine	11	26.2	(10.7-41.7)	21.9	(10.9-41.8)
Unknown	2	---	---	---	---
Total	2,608	26.8	(25.8-27.8)	28.4	(27.3-29.6)

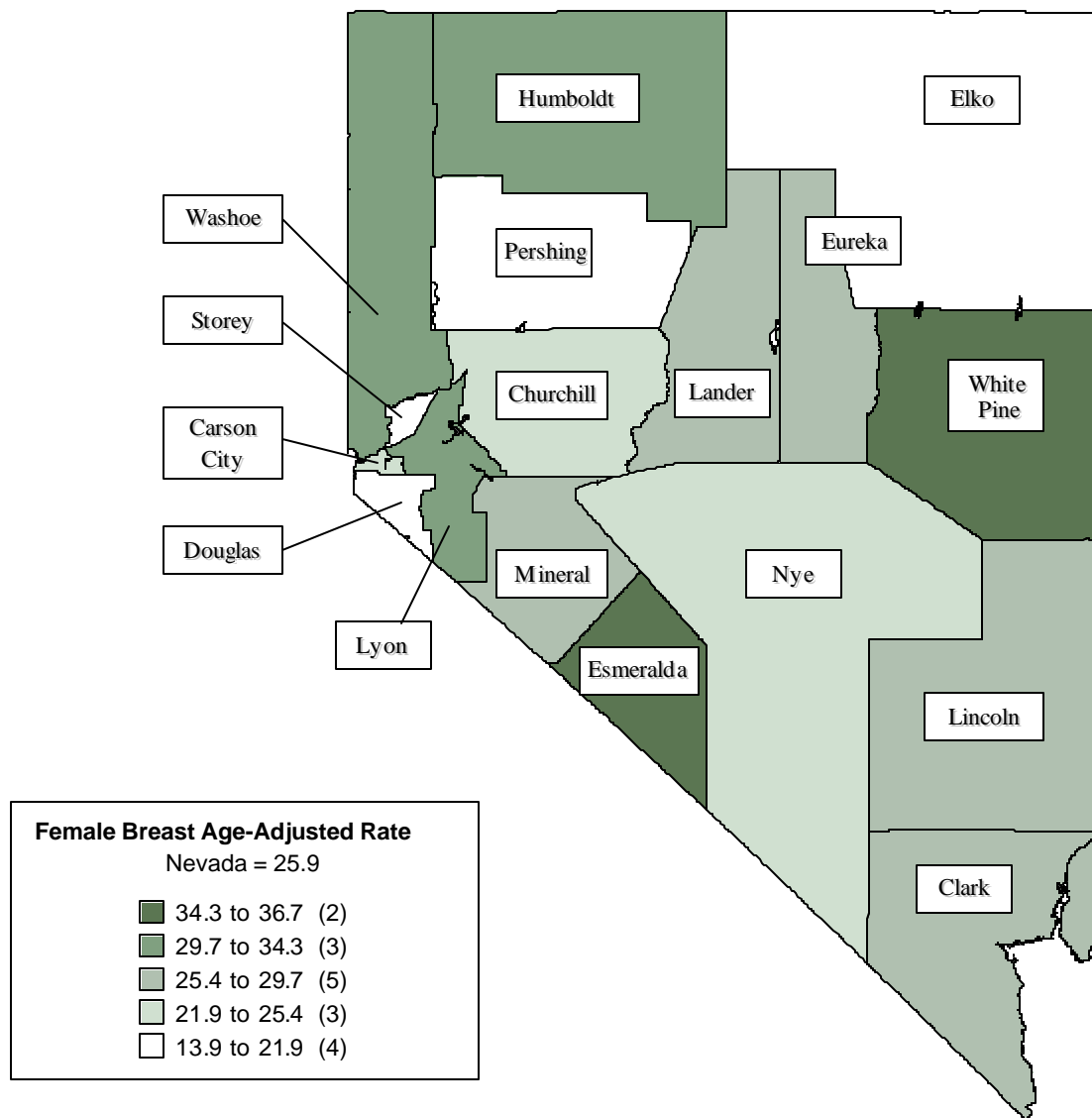
Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2001 US Standard population.

Table 76. Breast Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	2	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	51	771,798	15,133	12,555	119	2.3	2.0
35-44	293	4,985,175	17,014	12,491	776	2.6	2.0
45-54	523	8,035,169	15,364	12,714	1,230	2.4	2.0
55-64	610	8,371,715	13,724	11,210	1,374	2.3	1.0
65-74	610	7,393,485	12,120	10,264	1,197	2.0	1.0
75-84	426	5,093,712	11,957	9,960	1,047	2.5	1.0
85+	92	1,142,837	12,422	9,555	295	3.2	2.0
Unknown	0	---	---	---	---	---	---
Total	2,608	203,562	2,542	13,636	64	2,542.0	2.4

MORTALITY

Figure 57. Female Breast Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 female population and age-adjusted to 2001 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, 1997-2001

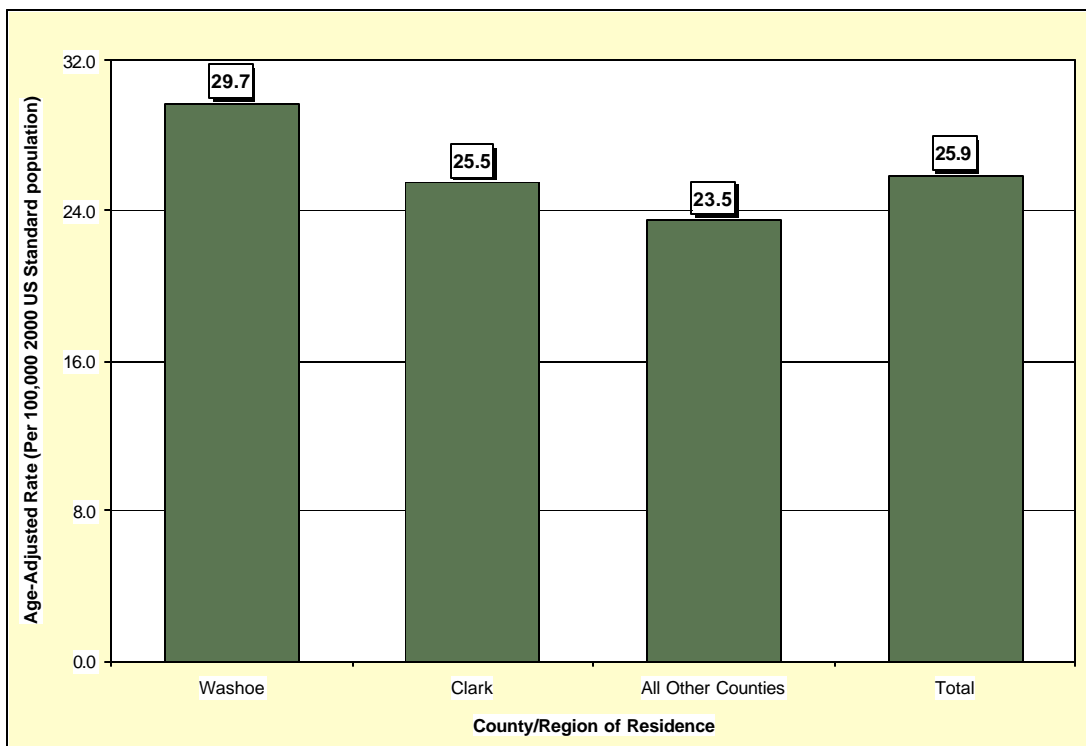


Figure 59. Female Breast Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

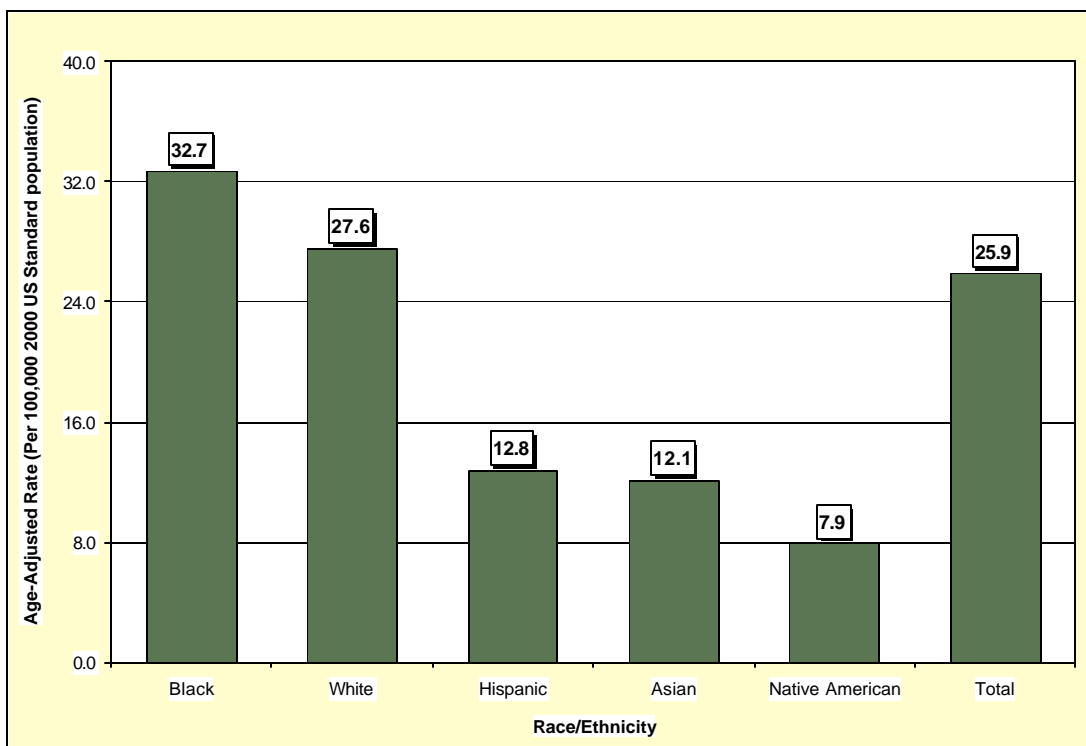


Table 77. Breast Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,195	785	236	174
Rate*	14.0	13.8	16.2	12.5
95% C.I.	(13.2-14.9)	(12.8-14.9)	(14.2-18.5)	(10.7-14.6)
Gender				
Male	13	10	1	2
Rate*	0.3	0.4	---	---
95% C.I.	(0.2-0.7)	(0.2-0.9)	---	---
Female	1,182	775	235	172
Rate*	25.9	25.5	29.7	23.5
95% C.I.	(24.4-27.4)	(23.7-27.4)	(26.0-33.8)	(20.1-27.4)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	1,037	647	222	168
Rate*	14.8	14.4	17.4	13.3
95% C.I.	(13.9-15.7)	(13.3-15.6)	(15.2-19.9)	(11.3-15.5)
Black	77	72	3	2
Rate*	18.7	19.3	---	---
95% C.I.	(14.4-24.3)	(14.6-25.3)	---	---
Native American	5	3	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	27	24	2	1
Rate*	7.0	7.8	---	---
95% C.I.	(3.9-13.2)	(4.0-15.9)	---	---
Hispanic	49	39	8	2
Rate*	6.7	6.8	---	---
95% C.I.	(4.7-9.9)	(4.5-10.7)	---	---
Other/Unknown	0	0	0	0

* Rates are per 100,000 population and age-adjusted to the 2001 US Standard population. Rates for race/ethnicity groups are per 100,000 female population and age-adjusted to the 2001 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, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Cases	1,182	775	235	172	0
Rate*	24.7	23.7	28.4	25.0	---
95% C.I.	(23.3-26.1)	(22.0-25.3)	(24.8-32.0)	(21.3-28.8)	---
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
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	6	5	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	91	62	19	10	0
Rate*	12.1	12.4	13.7	8.9	---
95% C.I.	(9.6-14.6)	(9.3-15.5)	(7.5-19.9)	(3.4-14.4)	---
45-54	194	124	38	32	0
Rate*	30.6	29.6	32.8	32.5	---
95% C.I.	(26.3-34.9)	(24.4-34.8)	(22.4-43.3)	(21.2-43.7)	---
55-64	246	163	48	35	0
Rate*	53.3	51.5	64.9	49.5	---
95% C.I.	(46.7-60.0)	(43.6-59.4)	(46.6-83.3)	(33.1-65.8)	---
65-74	269	188	46	35	0
Rate*	82.7	85.9	87.2	65.4	---
95% C.I.	(72.8-92.6)	(73.6-98.1)	(62.0-112.4)	(43.7-87.0)	---
75-84	254	158	57	39	0
Rate*	131.8	124.0	172.5	120.9	---
95% C.I.	(115.6-148.0)	(104.6-143.3)	(127.7-217.2)	(83.0-158.9)	---
85+	121	74	27	20	0
Rate*	235.0	232.2	253.1	223.3	---
95% C.I.	(193.1-276.9)	(179.3-285.1)	(157.6-348.6)	(125.4-321.1)	---
Unknown	0	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.

Table 79. Female Breast Cancer Mortality by County of Residence, Nevada Residents, 1997-2001

County of Residence	1997-2001 Mortality				
	Deaths	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	39	30.8	(21.1-40.4)	24.8	(17.6-34.5)
Churchill	13	21.6	(9.9-33.4)	22.0	(11.7-38.0)
Clark	775	23.7	(22.0-25.3)	25.5	(23.7-27.4)
Douglas	18	17.7	(9.5-25.9)	13.9	(8.2-23.6)
Elko	11	9.9	(4.1-15.8)	14.8	(7.0-28.8)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	11	27.5	(11.2-43.7)	31.3	(15.3-58.7)
Lander	4	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	30	35.8	(23.0-48.5)	32.9	(22.1-47.7)
Mineral	4	---	---	---	---
Nye	25	32.7	(19.9-45.5)	23.8	(15.1-37.3)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	235	28.4	(24.8-32.0)	29.7	(26.0-33.8)
White Pine	9	---	---	---	---
Unknown	0	---	---	---	---
Total	1,182	24.7	(23.3-26.1)	25.9	(24.4-27.4)

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 2001 US Standard population.

Table 80. Breast Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender			
	Male	Female	Total	
White	Mortality	11	1,026	1,037
	Rate*	0.3	27.6	14.8
	95% C.I.	(0.1-0.6)	(25.9-29.3)	(13.9-15.7)
Black	Mortality	2	75	77
	Rate*	---	32.7	18.7
	95% C.I.	---	(25.4-41.8)	(14.4-24.3)
Native American	Mortality	0	5	5
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	0	27	27
	Rate*	---	12.1	7.0
	95% C.I.	---	(6.8-23.1)	(3.9-13.2)
Hispanic	Mortality	0	49	49
	Rate*	---	12.8	6.7
	95% C.I.	---	(9.1-18.1)	(4.7-9.9)
Other/Unknown	Mortality	0	0	0
Total	Mortality	13	1,182	1,195
	Rate*	0.3	25.9	14.0
	95% C.I.	(0.2-0.7)	(24.4-27.4)	(13.2-14.9)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 81. Breast Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

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	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	6	6
Rate*	---	---	---
95% C.I.	---	---	---
35-44	1	91	92
Rate*	---	12.1	5.9
95% C.I.	---	(9.6-14.6)	(4.7-7.1)
45-54	1	194	195
Rate*	---	30.6	15.2
95% C.I.	---	(26.3-34.9)	(13.1-17.3)
55-64	4	246	250
Rate*	---	53.3	27.3
95% C.I.	---	(46.7-60.0)	(23.9-30.7)
65-74	2	269	271
Rate*	---	82.7	42.2
95% C.I.	---	(72.8-92.6)	(37.2-47.2)
75-84	4	254	258
Rate*	---	131.8	73.4
95% C.I.	---	(115.6-148.0)	(64.5-82.4)
85+	1	121	122
Rate*	---	235.0	160.0
95% C.I.	---	(193.1-276.9)	(131.6-188.4)
Unknown	0	0	0
Total	13	1,182	1,195
Rate*	0.3	24.7	12.3
95% C.I.	(0.1-0.4)	(23.3-26.1)	(11.6-13.0)

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

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

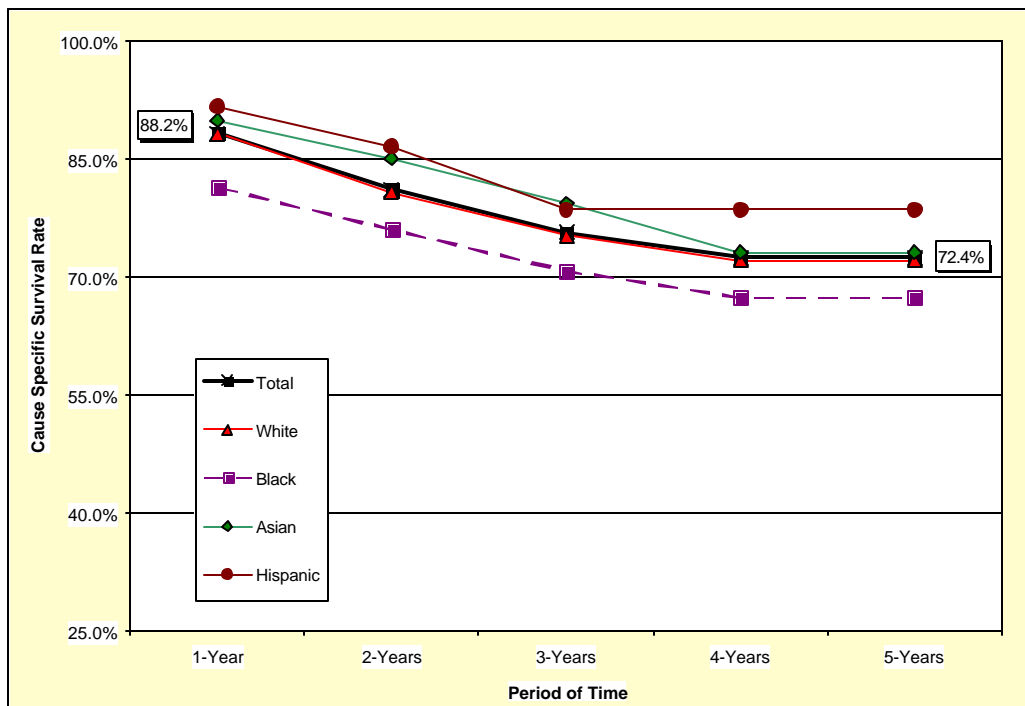
Table 82. Median Age at Death from Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	11	67.0	1,026	68.0	1,037	68.0
Black	2	---	75	62.0	77	62.0
Native American	0	---	5	59.0	5	59.0
Asian	0	---	27	55.0	27	55.0
Hispanic	0	---	49	55.0	49	55.0
Other/Unknown	0	---	0	---	0	---
Total	13	67.0	1,182	67.0	1,195	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, 1997-2001



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, 1997-2001

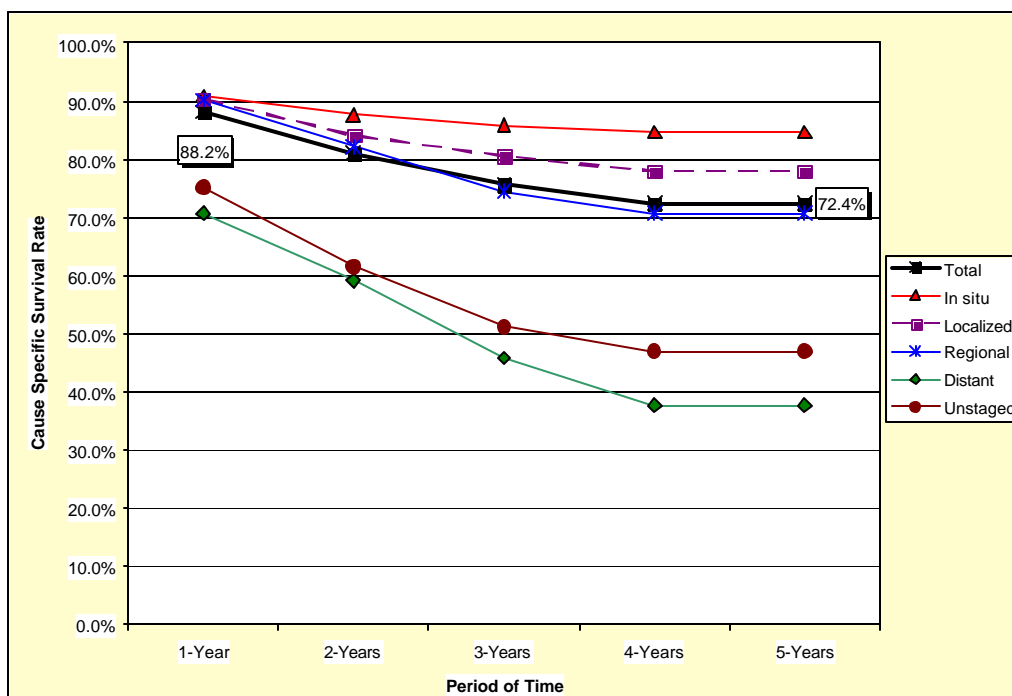


Table 83. Cause-Specific Survival Rates for Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

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	5,293	88.2%	81.0%	75.6%	72.4%	72.4%	>5 years
Male	60	86.4%	72.7%	72.7%	53.3%	53.3%	>5 years
Female	5,233	88.2%	81.1%	75.6%	72.7%	72.7%	>5 years
Race/Ethnicity							
White	4,598	88.2%	80.7%	75.2%	72.0%	72.0%	>5 years
Male	54	89.7%	74.4%	74.4%	54.5%	54.5%	>5 years
Female	4,544	88.2%	80.7%	75.2%	72.3%	72.3%	>5 years
Black	272	81.3%	75.9%	70.7%	67.3%	67.3%	>5 years
Male	4	---	---	---	---	---	---
Female	268	81.4%	76.0%	70.7%	67.3%	67.3%	>5 years
Native American	12	---	---	---	---	---	---
Male	0	---	---	---	---	---	---
Female	12	---	---	---	---	---	---
Asian	155	89.8%	85.0%	79.3%	73.0%	73.0%	>5 years
Male	2	---	---	---	---	---	---
Female	153	90.5%	85.7%	80.0%	73.6%	73.6%	>5 years
Hispanic	187	91.6%	86.5%	78.5%	78.5%	78.5%	>5 years
Male	0	---	---	---	---	---	---
Female	187	91.6%	86.5%	78.5%	78.5%	78.5%	>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, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	5,293	60	5,233
	One Year	88.2%	86.4%	88.2%
	5 Years	72.4%	53.3%	72.7%
	Median Survival	>5 years	>5 years	>5 years
Stage at Diagnosis				
In situ	Cases	796	4	792
	One Year	90.9%	---	90.8%
	5 Years	84.7%	---	84.7%
	Median Survival	>5 years	---	>5 years
Localized	Cases	2,537	34	2,503
	One Year	90.3%	---	90.4%
	5 Years	77.9%	---	78.0%
	Median Survival	>5 years	---	>5 years
Regional	Cases	1,306	16	1,290
	One Year	90.2%	---	90.2%
	5 Years	70.7%	---	71.6%
	Median Survival	>5 years	---	>5 years
Distant	Cases	251	3	248
	One Year	70.6%	---	70.3%
	5 Years	37.7%	---	36.7%
	Median Survival	2.68	---	2.64
Unstaged	Cases	403	3	400
	One Year	75.1%	---	75.2%
	5 Years	47.0%	---	47.5%
	Median Survival	3.28	---	3.41

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.