

Comprehensive Cancer Report

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Table of Contents

ACKNOWLEDGEMENTS	i
LIST OF FIGURES	iii
LIST OF TABLES	iv
PURPOSE	1
METHODS	2
TECHNICAL NOTES	2
LIMITATIONS	5
TOP CAUSES OF MORTALITY	7
CANCER MORTALITY	8
CANCER INCIDENCE.....	32
CANCER BURDEN	55
CITATIONS	70
POINT-OF-CONTACT.....	71
FUNDING SOURCE(S).....	71
RECOMMENDED CITATION	71

LIST OF FIGURES

Figure 1: Top Five Mortality Causes by Age-Adjusted Rates*, Nevada vs. United States, 2000-2012.	7
Figure 2: All Cancers Mortality Trend by Gender, Nevada vs. United States, 1995-2012.	9
Figure 3: All Cancers Mortality (Cumulative Annual 5 years period) Age-Adjusted Rates* by Gender, Nevada vs. United States.	10
Figure 4: All Cancers Mortality Trend by Race/Ethnicity, Confidence Intervals, Age-Adjusted Rates*, Nevada, 1995-2012.	13
Figure 5: All Cancers Mortality Trend by Race/Ethnicity, Age-Adjusted Rates*, United States, 1999-2011.	14
Figure 6: All Cancers Mortality (Cumulative Annual 5 years period) Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States.	16
Figure 7: All Cancers Mortality Trend by Age Groups, Age-Adjusted Rates*, Nevada, 1995-2012.	19
Figure 8: All Cancer Mortality by Age Groups, Cumulative Annual Age-Adjusted Rates*, Nevada, 2008-2012.	20
Figure 9: Top Five Cancer Mortality Causes Annual Age-Adjusted Rates* by Gender, Nevada vs. United States.	23
Figure 10: Top Five Cancer Mortality Causes Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States.	24
Figure 11: Top Five Cancer Mortality Causes Annual Age-Adjusted Rates* by Age Group, Nevada vs. United States.	26
Figure 12: All Cancers Mortality Cumulative Annual Age-Adjusted Rates* by County, Nevada, 2008-2012.	27
Figure 13: All Cancers Mortality by County, Age-Adjusted Rates*, Nevada, 2008-2012.	28
Figure 14: All Cancers Incidence Trend, Age-Adjusted Rates*, Nevada vs. United States, 1995-2012.	32
Figure 15: All Cancers Incidence Trend by Gender, Nevada vs. United States, 1995-2012.	34
Figure 16: All Cancers Incidence (Cumulative Annual 5 years period) Age-Adjusted Rates* by Gender, Nevada vs. United States.	35
Figure 17: All Cancers Incidence Trend by Race/Ethnicity, Confidence Intervals, Age-Adjusted Rates*, Nevada, 1995-2012.	38
Figure 18: All Cancers Incidence Trend by Race/Ethnicity, Age-Adjusted Rates*, United States, 1999-2011.	39
Figure 19: All Cancers Incidence (Cumulative Annual 5 years period) Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States.	41
Figure 20: All Cancers Incidence by Region and by Race/Ethnicity, Age-Adjusted Rates*, Nevada Geo-demographical Regions, 2008-2012.	41
Figure 21: All Cancers Incidence Trend by Age Groups, Age-Adjusted Rates*, Nevada, 1995-2012.	43
Figure 22: All Cancers Incidence by Age Groups, Cumulative Annual Age-Adjusted Rates*, Nevada, 2008-2012.	44
Figure 23: Top Five Cancer Incidence Causes Annual Age-Adjusted Rates* by Gender, Nevada vs. United States.	47
Figure 24: Top Five Cancer Incidence Causes Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States.	48
Figure 25: Top Five Cancer Incidence Causes Annual Age-Adjusted Rates* by Age Group, Nevada.	50
Figure 26: All Cancers Incidence Cumulative Annual Age-Adjusted Rates* by Region, Nevada, 2008-2012.	51
Figure 27: All Cancers Incidence by County, Age-Adjusted Rates*, Nevada, 2008-2012.	52
Figure 28: Average Hospitalization Charges for All Cancers (Primary Diagnosis) by County, Nevada, 2008-2012.	60
Figure 29: Percent of Late Diagnosis Among 10 Most Frequent Types of Cancer by Race/Ethnicity, Nevada, 2008-2012.	62
Figure 30: Rate* of Late-stage Colorectal Cancer among men or women aged ≥ 50 years, Age-Adjusted Rates*, United States 2004-2006, and Nevada 2008-2012.	64
Figure 31: Percentage of Colorectal Cancers Diagnosed at Late stage among men or women aged ≥ 50 years, United States 2004-2006, and Nevada 2008-2012.	65
Figure 32: Percentage of men or women aged 50-75 years who had recommended Colorectal Cancer Screening. BRFSS United States 2008, and BRFSS Nevada 2012.* Determined by having met the U.S. Preventive Services Task Force recommendation of having a fecal occult blood test in the past year, a flexible sigmoidoscopy in the past 5 years, or a colonoscopy in the preceding 10 years.	66
Figure 33: Rate* of Late-stage Invasive Breast Cancer (Female Only), Among Women aged ≥ 50 years, United States 2004-2006, and Nevada 2008-2012.	67
Figure 34: Percentage of Women aged 50-74 years who had recommended Breast Cancer Screening, BRFSS United States 2008, and Nevada 2012. *Determined by having met the U.S. Preventive Services Task Force recommendation of having had a mammogram in the preceding 2 years.	68
Figure 35: Rate* of Late-stage Invasive Cervical Cancer among women aged ≥ 20 years, United States 2004-2006, and Nevada 2008-2012.	68
Figure 36: Percentage of WOMEN Aged 21-64 years who had recommended Cervical Cancer Screening, BRFSS United States 2008, and Nevada 2012.* Determined by having met the U.S. Preventive Services Task Force recommendation of having had a Pap test in the preceding 3 years.	69

LIST OF TABLES

Table 1: Top Five Mortality Causes by Age-Adjusted Rates*, Nevada and United States, 2008-2012..... 7

Table 2: Top Five Cancer Causes of Mortality by year (annual and five year period), Age-Adjusted Rates*, Nevada, 2008-2012..... 8

Table 3: Cancer Causes of Mortality by year (annual and five year period), Age-Adjusted Rates*, United States, 2007-2011..... 8

Table 4: All Cancers Mortality Age-Adjusted Rates* by year, Nevada and United States, 1995-2012..... 9

Table 5: All Cancers Mortality by Region and Gender. Cumulative Annual Age-Adjusted Rates* Nevada Geo-demographical Regions. 10

Table 6: Top Five Causes of Cancer Mortality, Age-Adjusted Rates* by Gender and year (annual and five year period), Nevada and United States. 11

Table 7: Leading Cancer Mortality Causes by Gender, Age-Adjusted Rates*, Nevada, 2008-2012. 12

Table 8: All Cancers Mortality Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada, 1995-2012..... 15

Table 9: All Cancers Mortality Annual Age-Adjusted Rates* by Race/Ethnicity, United States, 1999-2011. 15

Table 10: All Cancers Mortality Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States. 16

Table 11: All Cancers Mortality by Region and by Race/Ethnicity, Age-Adjusted Rates*, Nevada Geo-demographical Regions, 2008-2012... 17

Table 12: Leading Causes of Cancer Mortality by Race/Ethnicity, Age-Adjusted Rates*, 2008-2012..... 18

Table 13: All Cancers Mortality Annual Age-Adjusted Rates* by Age Groups, Nevada, 1995-2012. 19

Table 14: All Cancers Mortality by Region and by Age Groups, Age-Adjusted Rates*, Nevada Geo-demographical Regions, 2008-2012..... 20

Table 15: Leading Cancer Mortality Causes by Age Groups, Nevada, 2008-2012. 21

Table 16: Leading Cancer Mortality Causes by Ages, Age-Adjusted Rates*, Nevada, 2008-2012..... 22

Table 17: All Cancers Mortality Cumulative Annual Age-Adjusted Rates* by County, Nevada, 2008-2012. 29

Table 18: Leading Cancer Mortality Causes by County, Age-Adjusted Rates*, Nevada, 2008-2012..... 30

Table 19: All Cancers Incidence Age-Adjusted Rates* by year, Nevada and United States, 1995-2012. 32

Table 20: Top Five Cancer Causes of Incidence by year (annual and five year period), Age-Adjusted Rates*, Nevada, 2008-2012. 33

Table 21: Cancer Causes of Incidence by year (annual and five year period), Age-Adjusted Rates*, United States, 2007-2011. 33

Table 22: All Cancers Incidence Age-Adjusted Rates* by year, Nevada and United States, 1995-2012. 34

Table 23: All Cancers Incidence by Region and Gender. Cumulative Annual Age-Adjusted Rates* Nevada Geo-demographical Regions. 35

Table 24: Top Five Causes of Cancer Incidence, Age-Adjusted Rates* by Gender and year (annual and five year period), Nevada and United States. 36

Table 25: 25 Leading Cancer Incidence Causes by Gender, Age-Adjusted Rates*, Nevada, 2008-2012. 37

Table 26: All Cancers Incidence Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada, 1995-2012. 40

Table 27: All Cancers Incidence Annual Age-Adjusted Rates* by Race/Ethnicity, United States, 1999-2011..... 40

Table 28: 25 Leading Causes of Cancer Incidence by Race/Ethnicity, Age-Adjusted Rates*, 2008-2012..... 42

Table 29: All Cancers Incidence Annual Age-Adjusted Rates* by Age Groups, Nevada, 1995-2012..... 43

Table 30: All Cancers Incidence by Region and by Age Groups, Age-Adjusted Rates*, Nevada Geo-demographical Regions, 2008-2012. 44

Table 31: Leading Cancer Incidence Causes by Group of Age, Nevada, 2008-2012. 45

Table 32: 25 Leading Cancer Incidence Causes by Ages, Age-Adjusted Rates*, Nevada, 2008-2012. 46

Table 33: All Cancers Incidence Cumulative Annual Age-Adjusted Rates* by County, Nevada, 2008-2012..... 53

Table 34: 25 Leading Cancer Incidence Causes by County, Age-Adjusted Rates*, Nevada, 2008-2012. 54

Table 35: Leading Cancer Mortality Causes, Age-Adjusted Rates*, Nevada, 2008-2012..... 55

Table 36: Person-years of life lost due to Cancer, Nevada, 2008-2012..... 55

Table 37: 25 Leading Cancer Mortality Causes by Ages, Counts, Nevada, 2008-2012..... 56

Table 38: 25 Leading Cancer Incidence Causes by Ages, Counts, Nevada, 2008-2012..... 57

Table 39: Percentage of Hospitalization due to Cancer, Nevada, 2008-2012..... 58

Table 40: Average Charges for Hospitalization due to All Hospitalizations and Cancer, Nevada, 2008-2012..... 58

Table 41: Hospitalization Charges for All Cancers (Primary Diagnosis) by Age Group, Nevada, 2008-2012..... 58

Table 42: Mean Charges for All Cancers (Primary Diagnosis) by Payer, Nevada, 2008-2012..... 59

Table 43: 25 Leading Cancer Incidence Causes by Stage at Diagnosis, Counts, Nevada, 2008-2012..... 61

PURPOSE

The primary purpose of this report is to provide the most current and accurate tumor incidence and mortality data, to describe the long-term trends of tumors in the State of Nevada and its counties, and compare them to the United States cancer incidence and mortality. It is our intention that the report findings will be utilized by advisory boards, public health professionals, policy makers, and community members to develop programs and policies that will protect the health and well-being of individuals in Nevada.

METHODS

Tumor counts, information on county at diagnosis, age at diagnosis, and year of diagnosis, were obtained from the 12/05/2014 Nevada Central Cancer Registry data extract¹. Age-adjusted rates, and confidence intervals were calculated with SEER*Stat methodology², as well as relative standard error (RSE).

Annual age-adjusted rates from years 1995 to 2012 were calculated for cases by year, by county, by region, by gender, and by race/ethnicity. For adjustment, population counts were obtained from the 2000 US Standard Population (19 Age-groups)^{3, 4}.

Geographical description was included by county and by describing four geo-demographical regions: Urban-high populated counties (Clark County, Washoe County, and Carson City) and All Other counties (Rural, Frontier, low, and very low population density counties).

For analyses, incidence and mortality age-adjusted overall, by gender, and by race rates were compared between Nevada and the US, age-adjusted rates were compared between age groups (<20, 20-39, 40-64, 65-79, and 80+) within Nevada, and age-adjusted rates were compared between counties and between geo-demographical regions. All age-adjusted rates were calculated for the 1995-2012 diagnosis years (annually) and cumulative age-adjusted rates were calculated for the 2008-2012 diagnosis years. Confidence intervals were calculated and included in tables associated with each figure.

TECHNICAL NOTES

The incidence rate is the basic measure of disease occurrence as it expresses the probability or risk of disease in a defined population over a specific period of time. Age-adjusted rates with a common standard population allow for the comparison of rates in populations across regions with different age distributions. This method allows for the comparison between the US, Nevada, Nevada urban counties, Nevada rural and frontier counties. The annual and cumulative age-adjusted rates were calculated by summing the weighted crude, age-specific rates utilizing the national standard: Year 2000 US Standard Population (19 Age-groups), which were expressed per 100,000 Standard Population.

The reliability of the estimates of incidence age-adjusted rates are reflected by the RSE. RSE is the measure of the extent of the age-adjusted rate is likely to deviate from the true population, expressed as a fraction of the age-adjusted estimate, and is usually displayed as a percentage. A RSE of magnitude $\geq 30\%$ is considered statistically unreliable for this report and a “¥” symbol has been shown in place of a rate with a value equivalent or greater.

The variability of the age-adjusted rates was assessed in terms of confidence intervals. The confidence intervals for this report, the computed intervals, are where we would expect the true age-adjusted rate to be within 95% of the time. Counts more than zero but less than or equal to 5 and their resulting rates and confidence limits were removed due to confidentiality and reliability issues, a “¥” symbol was shown in place of them.

Cancer case definitions for this report utilized the current NAACCR Standard Site Analysis Categories⁵.

For incidence, this includes:

Site Group	ICD-O-3	ICD-O-3 Histology (Type)
Lip, Oral Cavity, & Pharynx	C000-C009, C019-C069, C079-C119, C129-C140, C142-C148	Excluding 9590-9989, 9050-9055, 9140
Esophagus	C150-C159	
Stomach	C160-C169	
Colorectal	C180-C189, C199, C209, C260	
Liver & Intrahepatic Bile Ducts	C220-C221	
Pancreas	C250-C259	
Larynx	C320-C329	
Lung & Bronchus	C340-C349	
Melanoma of the Skin	C440-C449	8720-8790
Breast	C500-C509	
Cervix Uteri	C530-C539	
Corpus Uteri & Uterus NOS	C540-C549, C559	
Ovary	C569	
Prostate	C619	
Urinary Bladder	C670-C679	
Kidney & Renal Pelvis	C649, C659	
Brain & Other CNS	C710-C719	Excluding 9530-9539, 9590-9989, 9050-9055, 9140
	C710-C719	9530-9539
	C700-C709, C720-C729	
Thyroid Gland	C739	
Hodgkin Lymphoma	All sites	9650-9667
Non-Hodgkin Lymphoma	All sites	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729
	All sites except C420-C421, C424	9823, 9827
Myeloma	All sites	9731-9732, 9734
Leukemia	All sites	9733, 9742, 9800, 9801, 9805, 9820, 9826, 9831-9837, 9840, 9861, 9863, 9866, 9867, 9871-9876, 9860, 9870, 9895-9897, 9891, 9910, 9920, 9930, 9931, 9940, 9945, 9946, 9948, 9963, 9964
	C420-C421, C424	9823, 9827
Testis	C620-C629	
Connective, Subcutaneous, and Other Soft Tissues	C490-C499	
Other Non-Epithelial Skin	C440-C449	Excluding 8000-8005, 8010-8045, 8050-8084, 8090-8110, 8720-8790, 9590-9989, 9050-9055, 9140

For mortality, this includes:

Cancer Cause of Death	ICD-9 (1979-1998)	ICD-10 (1999+)
Lip, Oral Cavity and Pharynx	140, 141, 142, 143, 144, 145, 146.0-146.2, 146.3-146.9, 147, 148, 149	C00, C01-C02, C03, C04, C05-C06, C07-C08, C09, C10, C11, C12-C13, C14
Esophagus	150	C15
Stomach	151	C16
Colorectal	C153, 154.0-154.1, 159.0	C18, C19-C20, C26.0
Liver and Intrahepatic Bile Ducts	155.0, 155.1, 155.2	C22.0, C22.1, C22.2-C22.4, C22.7, C22.9
Pancreas	157	C25
Larynx	161	C32
Lung and Bronchus	162.2-162.5, 162.8-162.9	C34
Bones and Joints	170	C40-C41
Soft Tissue including Heart	164.1, 171	C38.0, C45.2+, C47, C49
Melanoma of the Skin	172	C43
Non-Epithelial Skin	173	C44, C46+
Breast	174-175	C50
Cervix Uteri	180	C53
Corpus and Uterus, NOS	179, 182	C54, C55
Ovary	183.0	C56
Prostate	185	C61
Urinary Bladder	188	C67
Kidney and Renal Pelvis	189.0-189.1	C64-C65
Eye and Orbit	190	C69
Brain and Other Nervous System Neoplasms	191, 192	C70, C71, C72
Endocrine System	164.0, 193, 194	C37, C73, C74-C75
Hodgkin Lymphoma	201	C81
Non-Hodgkin Lymphomas	200, 202.0-202.2, 202.8, 202.9	C82-C85, C96.3
Myeloma	203.0, 238.6	C90.0, C90.2
Leukemias	202.4, 203.1, 204.0, 204.1, 204.2, 204.8-204.9, 205.0, 205.1, 205.2-205.3, 205.8-205.9, 206.0, 206.1-206.2, 206.8-206.9, 207.0, 207.1, 207.2, 207.8, 208.0, 208.1, 208.2, 208.8-208.9	C90.1, C91.0, C91.1, C91.2-C91.4, C91.5, C91.7, C91.9, C92.0, C92.1, C92.2-C92.3, C92.4-C92.5, C92.7, C92.9, C93.0, C93.1-C93.2, C93.7, C93.9, C94.0, C94.1, C94.2, C94.3, C94.4, C94.5, C94.7, C95.0, C95.1, C95.2, C95.7, C95.9
Mesothelioma	N/A	C45+
Kaposi Sarcoma	N/A	C46+
Miscellaneous Malignant Cancer	159.1, 195-199, 202.3, 202.5-202.6, 203.8	C26.1, C45.7+, C45.9+, C76-C80, C88, C96.0-C96.2, C96.7, C96.9, C97

+ This can be classified by site as well.

LIMITATIONS

INCIDENCE DATA INTERPRETATION

Due to poor reporting practices in healthcare facilities within Nevada, the completeness or quality of cancer abstracts and timeliness of reporting has declined. In terms of completeness, although required by the NAC, submission of patients' race has not been included in 12.8% of cases reported to NCCR for cancers diagnosed in 2011. In addition, the number of reports received is lower than expected. In terms of timeliness, although required by the NAC, the majority of abstracts were submitted outside of healthcare facilities reporting window for each abstract.

Nevada has two large urban population concentrations and counties among the greatest population dispersion in the nation. This demographic distribution phenomenon results in similar rates between urban counties and the state, and unreliable rates or rates with large variability (large confidence intervals) in smaller, rural and frontier counties. This is primarily due to low frequency cancer cases and small populations.

For Hispanics, "Race" is underreported due to the misunderstanding between "Race" and "Ethnicity." Whether "Hispanic" is written in the race or ethnicity field, after reporting, the ethnicity field will be classified as "Hispanic" and the race field will be left empty. This results in race data being poorly reported.

Native American/Alaska Natives are underrepresented in NCCR. "Studies that estimate misclassification among American Indians/Alaska Natives using cancer registry data report these rates are underreported by 40%–57%, depending on the region of the country." ^{8,9,10}

Reliable survival data depend on the accuracy, completeness, and timeliness of mortality data and cancer data linkages with the state and the National Death Index, and cancer data sharing between other states. The NCCR is actively improving processes in order to attain the data quality necessary for survival calculations.

COMPARING STATE AND COUNTY RATES

Careful interpretation of counties with higher incidence or death rates than other counties or the state is needed to avoid misinterpretation or false conclusions.

Accessibility to medical care and population medical care coverage should be considered when interpreting differing cancer rates. Counties with increased participation in cancer screening result in more diagnosed cancers. In addition, screening leads to earlier detection that have a better prognosis and may find tumors that grow so slowly that they would not have otherwise been recognized in a person's lifetime.

Varying county cancer rates may be explained by the distribution of known risk factors among population in these counties. Although environmental carcinogens are responsible for a few specific cancers, majority of cases appear to be related to lifestyle factors.

Certain racial and ethnic populations are more prone to certain cancers. Thus, a county's racial and ethnic distribution should be considered when making conclusions. Statistical adjustment by race and ethnicity or age-adjusted rates by race and ethnicity can mitigate this issue.

The importance of cancer as a public health problem in a state is more a function of the absolute cancer rate than the state's relative ranking in incidence or mortality. In addition, the true burden of cancer on a health care system and economy of a state is determined by the number of people diagnosed with cancer, the number of people dying of cancer, and its social implications. Therefore, higher cancer rates between states may obscure the absolute number of cancer cases.

After adjustment, some uncertainty in computed cancer rates may persist because many factors contribute to the incidence and death rate in a given year or location, and some factors exhibit random behavior. Chance plays a role in

determining if and when cancer develops in an individual, whether that cancer is detected, and whether that cancer progresses and leads to death. For these reasons, the reported rates are expected to vary from year to year within a state or county even in the absence of a general trend. Thus, caution is warranted when examining cancer rates for a single year and more so when rates are based on relatively few cases.

A 95% confidence interval is expected to contain the true underlying rate 95% of the time. Confidence intervals are available for age-adjusted rates to assist with interpreting results. Due to variations in the population sizes and number of reported cases and deaths across counties, more uncertainty is present in the incidence and death rates for certain counties. The confidence intervals provide a simple measure of the variability in rates and a basis when making county-specific comparisons. However, it is not recommended to use overlapping confidence intervals as a method to conclude rates are significantly different.

Another consideration when comparing differences between rates is their public health importance. Some rates have large numerators and/or denominators and consequently small standard errors that result in statistically significant differences. Conversely, some rates have large standard errors which are suppressed when they do not meet the maximum 30% relative standard error requirement.

TOP CAUSES OF MORTALITY

TOP FIVE CAUSES OF MORTALITY TREND, TOTAL POPULATION

Figure 1: Top Five Mortality Causes by Age-Adjusted Rates*, Nevada vs. United States, 2000-2012.

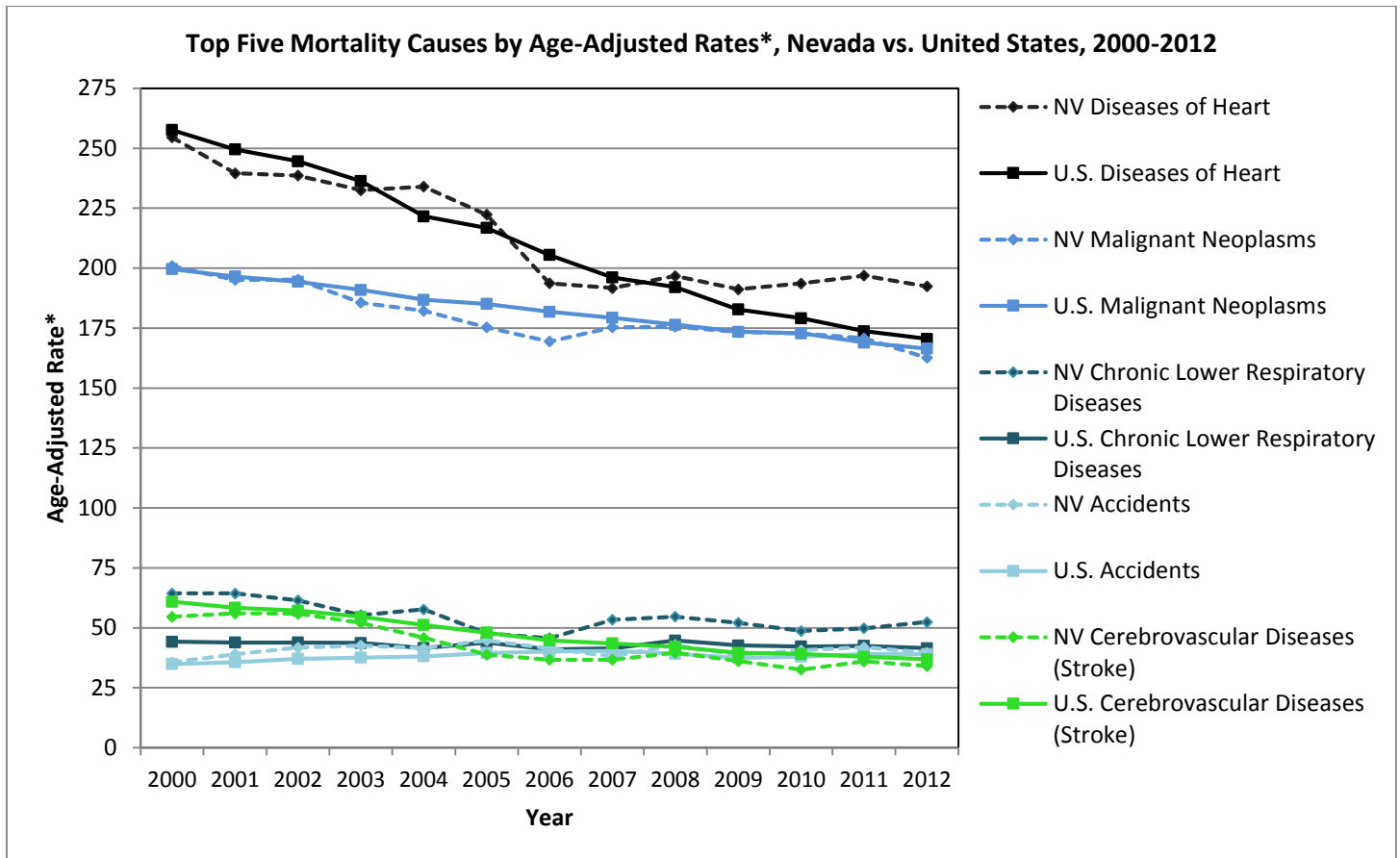


Table 1: Top Five Mortality Causes by Age-Adjusted Rates*, Nevada and United States, 2008-2012.

Top Five Mortality Causes by Age-Adjusted Rates*, Nevada and United States, 2008-2012.												
CAUSE	2008		2009		2010		2011		2012		2008-2012	
	NV	US	NV	US	NV	US	NV	US	NV	US	NV	US
Diseases of Heart	196.7	192.1	191.5	182.8	193.6	179.1	196.9	173.7	192.4	170.5	194.2	179.6
Malignant Neoplasms	175.6	176.4	173.4	173.5	172.7	172.8	170.8	169.0	162.6	166.5	171.0	171.6
Chronic Lower Respiratory Diseases	54.7	44.7	52.1	42.2	48.7	42.5	49.8	42.5	52.4	41.5	51.6	42.7
Accidents	42.9	39.2	38.6	37.5	40.6	38.0	41.9	39.1	39.6	39.1	40.7	38.6
Cerebrovascular Disease (Stroke)	39.6	42.1	36.1	39.6	32.6	39.1	36.0	37.9	34.1	36.9	35.7	39.1
All Causes	807.4	774.9	782.3	749.6	783.3	747.0	791.0	741.3	771.2	732.8	787.0	749.1

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

CANCER MORTALITY

CANCER MORTALITY TOP FIVE CAUSES, TOTAL POPULATION

Table 2: Top Five Cancer Causes of Mortality by year (annual and five year period), Age-Adjusted Rates*, Nevada, 2008-2012.

Nevada Top Five Type of Cancer Mortality (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2008-2012												
TYPE OF CANCER	2008		2009		2010		2011		2012		2008-2012	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Lung and Bronchus	1,315	52.5	1,319	51.4	1,246	47.4	1,300	48.8	1,271	46.3	6,451	49.9
Breast (Female Only)	307	22.8	331	23.7	327	23.1	342	23.2	318	21.7	1,625	22.9
Prostate (Male Only)	225	24.6	206	21.3	223	22.2	218	21.2	222	21.1	1,094	22.0
Colorectal	412	17.2	427	16.8	438	17.1	437	16.6	475	17.7	2,189	17.1
Pancreas	292	11.5	259	10.0	307	11.6	290	10.8	260	9.4	1,408	10.7

Order: By 2008-2012 Overall Age-Adjusted Rates

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

Table 3: Cancer Causes of Mortality by year (annual and five year period), Age-Adjusted Rates*, United States, 2007-2011.

United States Type of Cancer Mortality (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2007-2011												
TYPE OF CANCER	2007		2008		2009		2010		2011		2007-2011	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Lung and Bronchus		50.7		49.6		48.4		47.4		46.0		48.4
Prostate (Male Only)		24.2		23.0		22.1		21.8		20.8		22.3
Breast (Female Only)		23.0		22.6		22.2		21.9		21.5		22.2
Colorectal		16.9		16.5		15.8		15.5		15.1		15.9
Pancreas		10.8		11.0		10.8		11.0		10.9		10.9

Order: By 2008-2012 Overall Age-Adjusted Rates

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

Notice: Most up-to-date data available for United States Cancer mortality is 2007-2011 and must be carefully compared.

CANCER MORTALITY TREND BY GENDER

Figure 2: All Cancers Mortality Trend by Gender, Nevada vs. United States, 1995-2012.

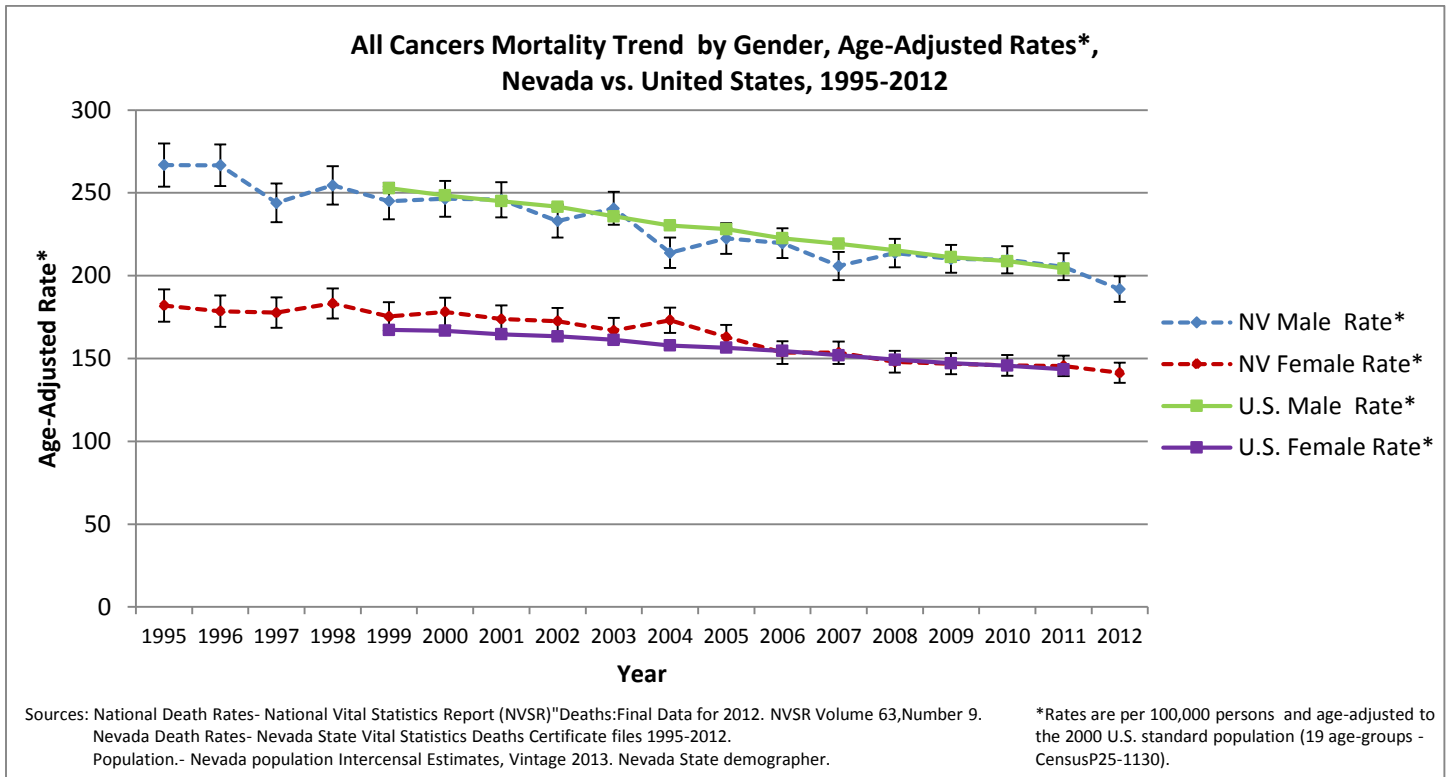


Table 4: All Cancers Mortality Age-Adjusted Rates* by year, Nevada and United States, 1995-2012.

	1995	1996	1997	1998	1999	2000	2001	2002	2003
Nevada Male	266.8 (253.7-279.9)	266.7 (254.2-279.2)	243.9 (232.2-255.6)	254.6 (243-266.1)	245.0 (234-256)	246.4 (235.6-257.3)	245.8 (235.2-256.5)	233.0 (223-243.1)	240.6 (230.7-250.6)
Nevada Female	182.0 (172.2-191.7)	178.5 (169.1-188)	177.7 (168.5-186.9)	183.2 (174.2-192.3)	175.4 (166.7-184)	178.1 (169.6-186.7)	173.8 (165.6-182)	172.6 (164.6-180.6)	166.9 (159.2-174.5)
United States Male					252.8 (251.8-253.7)	248.5 (247.5-249.4)	245.0 (244.1-246)	241.6 (240.7-242.5)	235.8 (234.9-236.7)
United States Female					167.2 (166.6-167.9)	166.7 (166.1-167.3)	164.6 (164-165.2)	163.4 (162.8-164)	161.2 (160.6-161.8)

	2004	2005	2006	2007	2008	2009	2010	2011	2012
Nevada Male	213.8 (204.6-223)	222.4 (213.2-231.7)	219.6 (210.6-228.6)	205.9 (197.4-214.4)	213.7 (205.1-222.3)	210.1 (201.7-218.5)	209.5 (201.3-217.8)	205.4 (197.3-213.6)	191.9 (184.1-199.6)
Nevada Female	173.1 (165.5-180.8)	162.9 (155.7-170.2)	153.6 (146.7-160.5)	153.5 (146.8-160.3)	148.0 (141.5-154.6)	146.9 (140.5-153.3)	145.9 (139.6-152.2)	145.5 (139.3-151.7)	141.4 (135.3-147.4)
United States Male	230.3 (229.4-231.1)	228.1 (227.2-228.9)	222.6 (221.7-223.4)	219.3 (218.5-220.1)	215.3 (214.6-216.1)	211.2 (210.4-211.9)	208.8 (208-209.6)	204.3 (203.5-205)	
United States Female	157.9 (157.3-158.5)	156.5 (155.9-157.1)	154.6 (154-155.2)	152.0 (151.4-154.7)	149.3 (148.7-149.8)	147.1 (146.6-147.7)	145.7 (145.2-146.3)	143.5 (142.9-144)	

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

ALL CANCERS MORTALITY RATES BY GENDER, 2008-2012

Figure 3: All Cancers Mortality (Cumulative Annual 5 years period) Age-Adjusted Rates* by Gender, Nevada vs. United States.

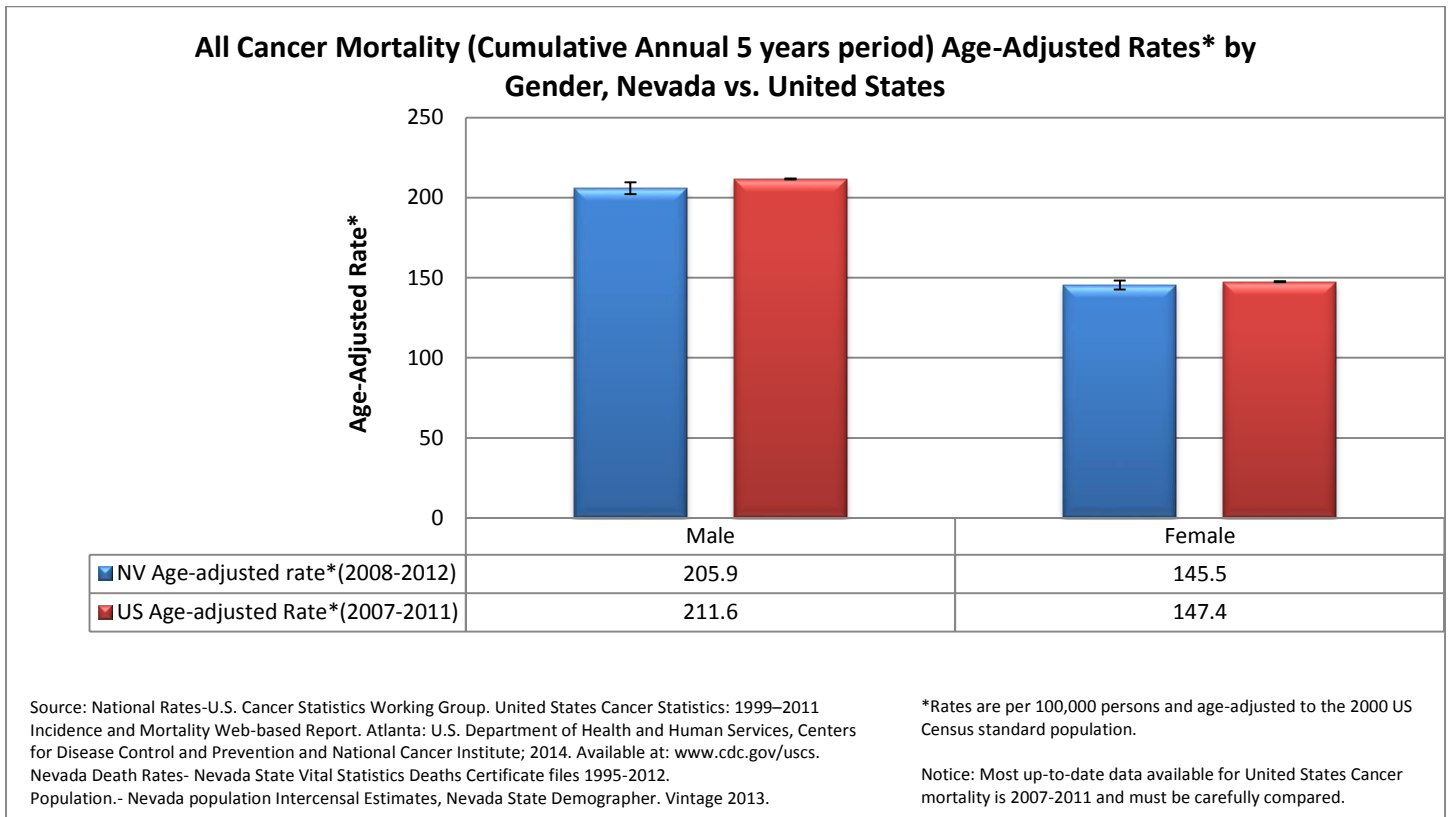


Table 5: All Cancers Mortality by Region and Gender. Cumulative Annual Age-Adjusted Rates* Nevada Geo-demographical Regions.

All Cancer Mortality (All Ages, All Races) by Gender - Age-Adjusted Rates*, Nevada, 2008-2012 (Regions ordered by population size)				
Gender	Clark	Washoe	Carson City	Rural
Male	197.7 (193.4-202.1)	222.8 (212.8-232.7)	299.4 (270.3-328.5)	214.6 (204.4-224.9)
Female	141.4 (138.1-144.7)	161.6 (153.9-169.3)	166.9 (148.4-185.4)	144.6 (136.6-152.7)
All Genders	165.1 (162.5-167.8)	187.4 (181.3-193.5)	222.7 (206.4-239)	177.1 (170.7-183.5)

‡ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

TOP FIVE CANCER DEATH CAUSES BY GENDER, 2008-2012

Table 6: Top Five Causes of Cancer Mortality, Age-Adjusted Rates* by Gender and year (annual and five year period), Nevada and United States.

Nevada Top Five Male Type of Cancer Mortality (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2008-2012												
TYPE OF CANCER	2008		2009		2010		2011		2012		2008-2012	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Lung and Bronchus	689	60.3	697	59.9	669	55.1	698	58.4	659	52.9	3,412	57.3
Colorectal	232	21.3	251	21.5	257	22.3	254	20.9	267	21.4	1,261	21.5
Prostate (Male Only)	225	24.6	206	21.3	223	22.2	218	21.2	222	21.2	1,094	22.0
Pancreas	153	12.9	137	11.4	174	13.9	172	14.4	131	10.6	767	12.6
Liver and Intrahepatic Bile Ducts Ca.	103	8.4	125	10.1	120	9.3	122	9.4	96	7	566	8.8

United States Male Type of Cancer Mortality (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2007-2011**												
TYPE OF CANCER	2007		2008		2009		2010		2011		2007-2011	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Lung and Bronchus		65.2		63.7		61.5		60.1		57.9		61.6
Prostate (Male Only)		24.2		23.0		22.1		21.8		20.8		22.3
Colorectal		20.2		19.6		19.1		18.8		18.1		19.1
Pancreas		12.6		12.5		12.4		12.7		12.5		12.5
Leukemias		9.5		9.5		9.5		9.3		9.3		9.4

Nevada Top Five Female Type of Cancer Mortality (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2008-2012												
TYPE OF CANCER	2008		2009		2010		2011		2012		2008-2012	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Lung and Bronchus	626	46.6	622	45.0	577	41.0	602	41.5	612	41.3	3,039	43.0
Breast (Female Only)	307	22.8	331	23.7	327	23.1	342	23.2	318	21.7	1,625	22.9
Colorectal	180	13.9	176	12.9	181	13.0	183	13.0	208	14.4	928	13.5
Pancreas	139	10.3	122	8.9	133	9.5	118	8.0	129	8.6	641	9.0
Ovary	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	490	6.9

United States Female Type of Cancer Mortality (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2007-2011**												
TYPE OF CANCER	2007		2008		2009		2010		2011		2007-2011	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Lung and Bronchus		40.1		39.1		38.6		37.9		37.0		38.5
Breast (Female Only)		23.0		22.6		22.2		21.9		21.5		22.2
Colorectal		14.4		14.0		13.3		13.0		12.8		13.5
Pancreas		9.5		9.7		9.4		9.6		9.5		9.5
Ovary		8.3		8.0		7.9		7.8		7.5		7.9

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

**Most up-to-date data available for United States Cancer Mortality is 2007-2011 and must be carefully compared.

‡ Values were not calculated for specified types of cancer.

Table 7: Leading Cancer Mortality Causes by Gender, Age-Adjusted Rates*, Nevada, 2008-2012.

Leading Causes of Cancer Mortality by Gender - Counts/Age-Adjusted Rates*, 2008-2012					
TYPE OF CANCER	MALE		TYPE OF CANCER	FEMALE	
	Counts	Age-Adj. Rate*		Counts	Age-Adj. Rate*
Lung and Bronchus Ca.	3,412	57.3	Lung and Bronchus Ca.	3,039	43.0
Prostate (Male Only)	1,094	22.0	Breast (Female Only)	1,625	22.9
Colorectal Ca.	1,261	21.5	Colorectal Ca.	928	13.5
Pancreas Ca.	767	12.6	Pancreas Ca.	641	9.0
Liver and Intrahepatic Bile Ducts Ca.	566	8.8	Ovary Ca. (Female Only)	490	6.9
Leukemias	491	8.8	Leukemias	315	4.5
Urinary Bladder Ca.	456	8.8	Non-Hodgkin Lymphomas	281	4.1
Esophagus Ca.	520	8.2	Liver and Intrahepatic Bile Ducts Ca.	285	4.0
Non-Hodgkin Lymphomas	400	7.0	Corpus and Uterus, NOS Ca. (Female Only)	230	3.2
Brain and Other Nervous System Neoplasms	347	5.4	Brain and Other Nervous System Neoplasms	207	2.9
Kidney and Renal Pelvis Ca.	330	5.4	Urinary Bladder Ca.	176	2.6
Melanoma of the Skin	277	4.7	Kidney and Renal Pelvis Ca.	165	2.4
Stomach Ca.	221	3.9	Stomach Ca.	151	2.2
Myeloma	200	3.6	Cervix Uteri Ca. (Female Only)	152	2.2
Lip, Oral Cavity and Pharynx Ca.	227	3.6	Myeloma	126	1.9
Larynx Ca.	112	1.8	Esophagus Ca.	130	1.8
Non-Epithelial Skin Ca.	92	1.6	Melanoma of the Skin	115	1.7
Mesothelioma	78	1.4	Lip, Oral Cavity and Pharynx Ca.	88	1.3
Soft Tissue including Heart Ca.	62	1.0	Soft Tissue including Heart Ca.	55	0.8
Endocrine System Ca.	48	0.8	Endocrine System Ca.	42	0.6
Hodgkin Lymphoma	31	0.5	Larynx Ca.	36	0.5
Bones and Joints Ca.	29	0.4	Non-Epithelial Skin Ca.	23	0.3
Eye and Orbit Ca.	7	¥	Bones and Joints Ca.	22	0.3
Kaposi Sarcoma	¥	¥	Mesothelioma	15	0.2
			Hodgkin Lymphoma	16	0.2
			Eye and Orbit Ca.	¥	¥
			Kaposi Sarcoma	0	0
Miscellaneous Malignant Cancer	989	16.6	Miscellaneous Malignant Cancer	862	12.4

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

CANCER MORTALITY TREND BY RACE/ETHNICITY

Figure 4: All Cancers Mortality Trend by Race/Ethnicity, Confidence Intervals, Age-Adjusted Rates*, Nevada, 1995-2012.

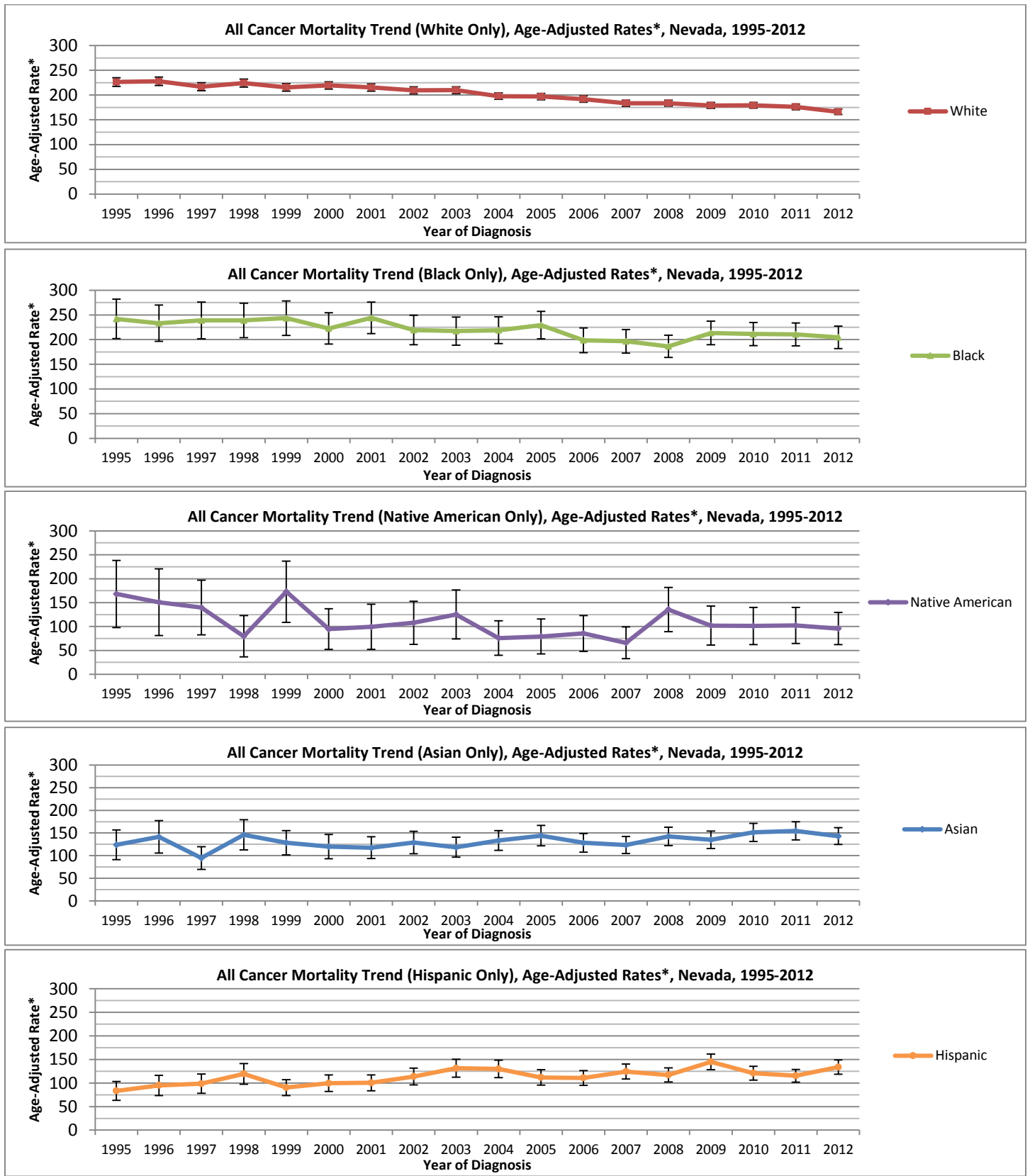


Figure 5: All Cancers Mortality Trend by Race/Ethnicity, Age-Adjusted Rates*, United States, 1999-2011.

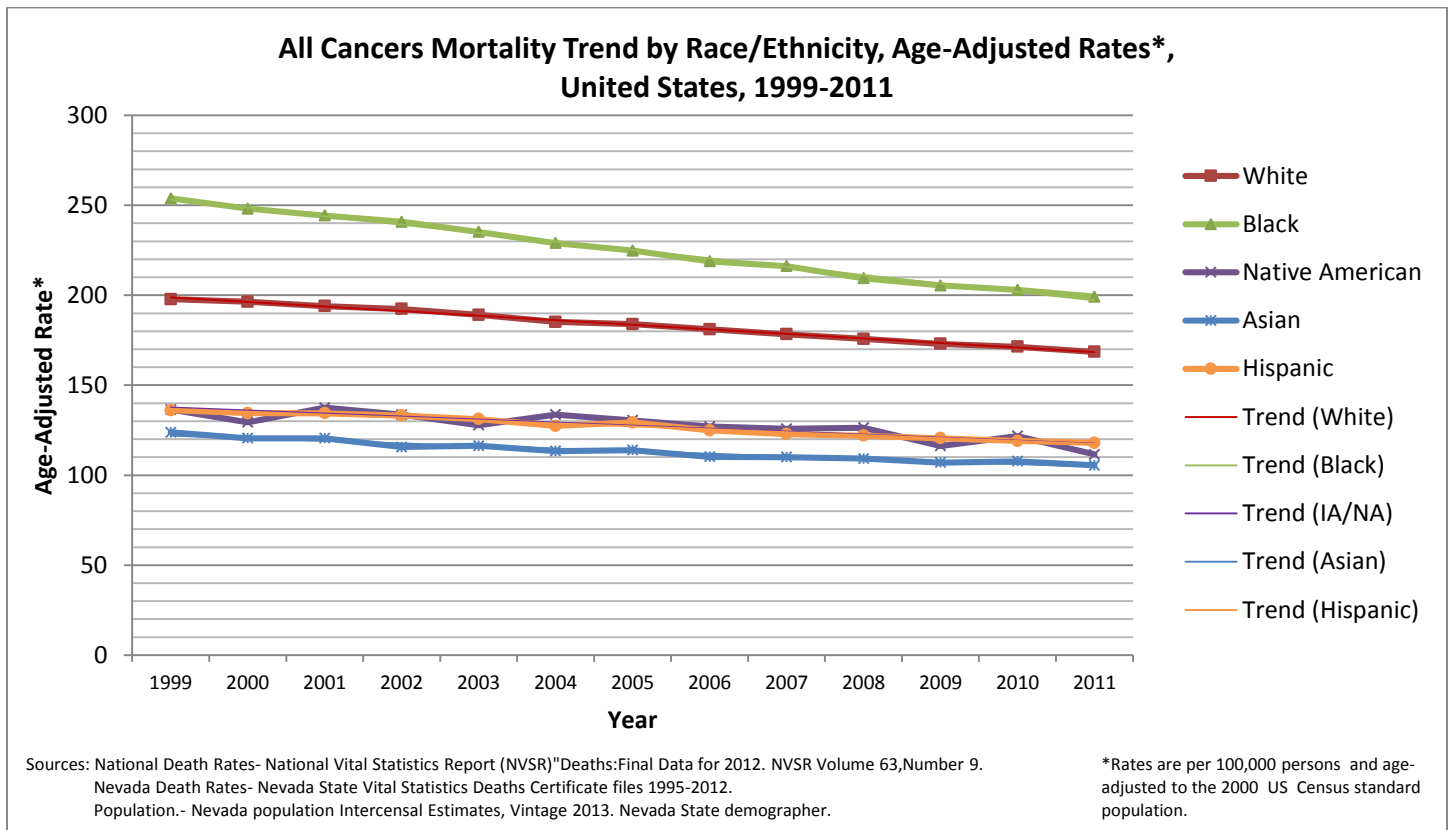


Table 8: All Cancers Mortality Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada, 1995-2012

Nevada	1995	1996	1997	1998	1999	2000	2001	2002	2003
White	226.3 (217.7-234.9)	227.7 (219.3-236.1)	216.8 (208.7-224.8)	224.3 (216.3-232.3)	215.5 (207.9-223.1)	219.4 (211.8-226.9)	215.3 (208.0-222.6)	209.3 (202.2-216.4)	209.9 (203.0-216.8)
Black	242.0 (202.1-282.0)	233.2 (196.4-270.1)	238.9 (201.6-276.1)	238.9 (204.0-273.8)	243.5 (208.5-278.5)	222.6 (190.9-254.3)	244.0 (212.0-276.0)	219.4 (189.5-249.3)	217.3 (188.9-245.7)
Native American	168.0 (97.8-238.2)	150.8 (81.1-220.5)	139.7 (82.6-196.8)	79.6 (36.3-122.9)	172.8 (108.8-236.8)	94.5 (52.0-137.0)	99.3 (52.1-146.5)	107.9 (62.8-152.9)	125.2 (74.0-176.3)
Asian	124.1 (91.3-156.9)	141.6 (105.8-177.4)	94.7 (69.6-119.7)	145.9 (112.4-179.4)	128.5 (101.7-155.4)	120.0 (93.2-146.8)	117.5 (93.5-141.5)	128.8 (104.0-153.5)	118.6 (96.7-140.5)
Hispanic	83.3 (63.5-103.1)	95.0 (73.6-116.3)	98.6 (78.4-118.9)	119.5 (97.6-141.3)	90.3 (73.5-107.1)	99.6 (81.9-117.2)	100.4 (83.4-117.4)	113.7 (95.9-131.6)	131.4 (112.2-150.6)

Nevada	2004	2005	2006	2007	2008	2009	2010	2011	2012
White	197.8 (191.2-204.4)	197.0 (190.5-203.5)	191.8 (185.5-198.1)	183.4 (177.3-189.4)	183.5 (177.5-189.5)	179.0 (173.2-184.8)	179.1 (173.4-184.9)	176.1 (170.4-181.8)	166.0 (160.5-171.5)
Black	219.0 (191.9-246.2)	229.3 (201.5-257.0)	198.6 (173.7-223.6)	196.7 (172.8-220.5)	186.2 (163.7-208.8)	213.3 (189.5-237.2)	211.4 (188.0-234.7)	210.6 (187.3-233.8)	204.6 (181.9-227.3)
Native American	75.9 (39.8-111.9)	79.2 (42.6-115.8)	85.5 (48.1-123.0)	65.9 (32.6-99.3)	135.5 (89.3-181.7)	101.8 (61.1-142.6)	101.2 (62.3-140.2)	102.1 (64.3-139.9)	95.8 (62.1-129.5)
Asian	133.2 (111.4-155.1)	144.1 (121.4-166.9)	128.3 (107.8-148.8)	123.5 (104.7-142.3)	142.5 (122.2-162.9)	135.0 (115.8-154.2)	151.3 (131.4-171.3)	154.7 (134.8-174.6)	143.2 (124.7-161.7)
Hispanic	129.8 (111.3-148.4)	111.9 (95.5-128.4)	110.8 (95.2-126.3)	124.4 (108.5-140.3)	117.2 (102.1-132.2)	144.9 (128.1-161.7)	121.0 (106.3-135.7)	115.3 (101.7-128.9)	133.8 (118.8-148.8)

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

Table 9: All Cancers Mortality Annual Age-Adjusted Rates* by Race/Ethnicity, United States, 1999-2011.

United States	1995	1996	1997	1998	1999	2000	2001	2002	2003
White					197.8 (197.2-198.3)	196.4 (195.8-196.9)	194.0 (193.4-194.5)	192.4 (191.8-192.9)	189.1 (188.6-189.6)
Black					253.8 (251.8-255.8)	248.1 (246.1-250.1)	244.3 (242.4-246.3)	240.8 (238.9-242.7)	235.2 (233.3-237.1)
Native American					136.4 (129.8-143.3)	129.4 (123.3-135.7)	137.5 (131.3-143.8)	133.6 (127.6-139.7)	127.8 (122.0-133.7)
Asian					123.8 (121.0-126.5)	134.5 (117.9-123.1)	120.5 (118.0-123.0)	115.6 (113.5-118.3)	116.3 (113.9-118.6)
Hispanic					136.1 (134.1-138.1)	134.5 (132.5-136.4)	134.4 (132.5-136.3)	133.1 (131.3-134.9)	131.2 (129.4-132.9)

United States	2004	2005	2006	2007	2008	2009	2010	2011	2012
White	185.2 (184.7-185.7)	183.9 (183.4-184.4)	181.1 (180.6-181.6)	178.3 (177.8-178.8)	175.7 (175.2-176.2)	173.0 (172.5-173.5)	171.4 (170.9-171.9)	168.5 (168-168.9)	
Black	229.0 (227.1-230.8)	224.8 (223.0-226.6)	218.9 (217.2-220.7)	216.2 (214.5-218.0)	209.4 (207.7-211.0)	205.4 (203.8-207.0)	202.9 (201.3-204.5)	199.2 (197.7-200.8)	
Native American	133.7 (128.0-139.6)	130.5 (125.0-136.2)	127.0 (108.1-112.2)	125.8 (120.5-131.1)	126.4 (121.3-131.6)	116.2 (111.5-121.0)	121.8 (117.1-126.7)	111.5 (107.0-166.0)	
Asian	113.4 (111.2-115.7)	113.9 (118.8-116.1)	110.2 (121.6-132.5)	110.0 (108.0-112.0)	109.2 (109.2-111.2)	107.0 (105.2-108.9)	107.7 (105.9-109.6)	105.5 (103.8-107.3)	
Hispanic	127.4 (125.7-129.1)	129.3 (127.7-131.0)	124.9 (123.3-126.5)	122.8 (121.2-124.3)	121.9 (120.5-123.4)	120.5 (119.1-122.0)	119.0 (117.6-120.4)	117.9 (116.5-119.3)	

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

CANCER MORTALITY RATES BY RACE/ETHNICITY, 2008-2012

Figure 6: All Cancers Mortality (Cumulative Annual 5 years period) Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States.

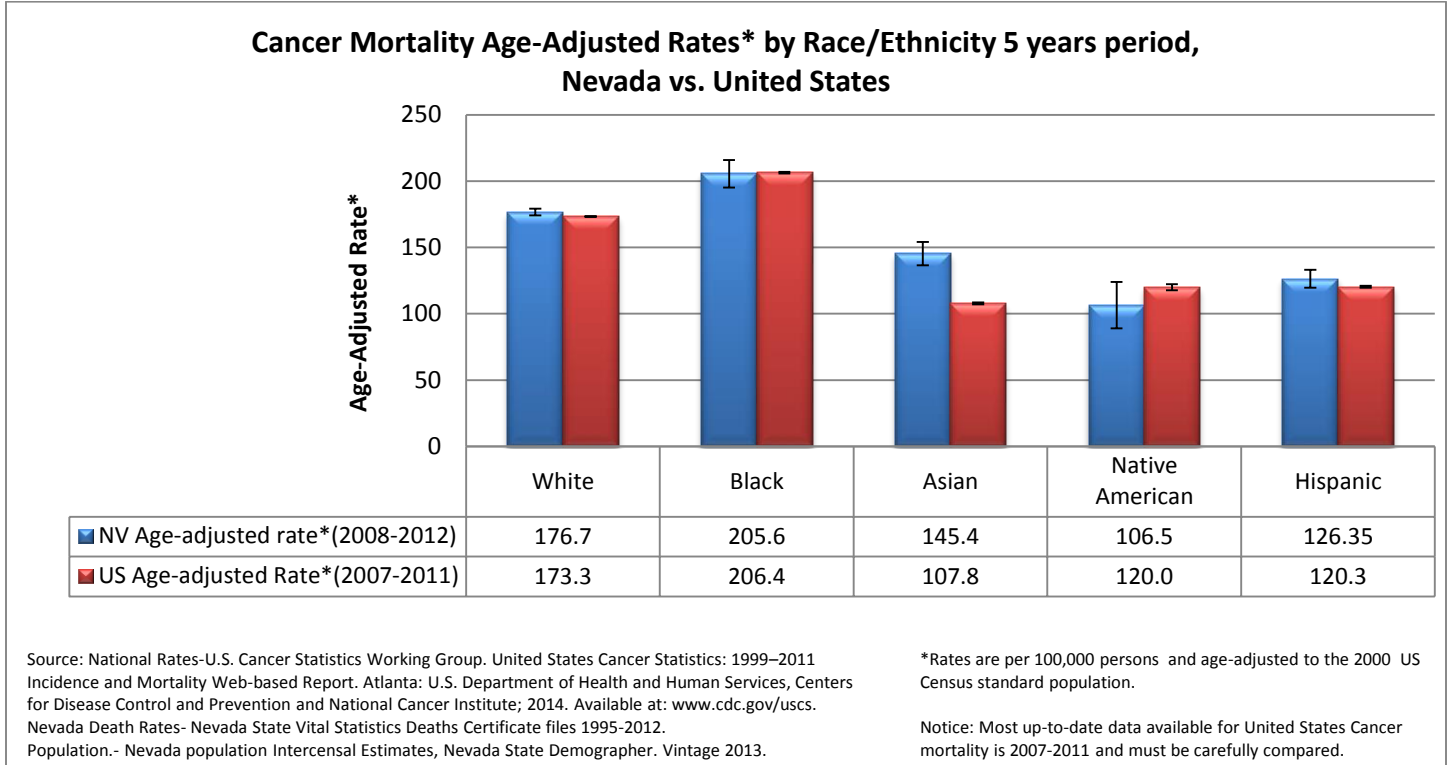


Table 10: All Cancers Mortality Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States.

Nevada	2008	2009	2010	2011	2012
White	183.5 (177.5-189.5)	179.0 (173.2-184.8)	179.1 (173.4-184.9)	176.1 (170.4-181.8)	166.0 (160.5-171.5)
Black	186.2 (163.7-208.8)	213.3 (189.5-237.2)	211.4 (188.0-234.7)	210.6 (187.3-233.8)	204.6 (181.9-227.3)
Native American	135.5 (89.3-181.7)	101.8 (61.1-142.6)	101.2 (62.3-140.2)	102.1 (64.3-139.9)	95.8 (62.1-129.5)
Asian	142.5 (122.2-162.9)	135.0 (115.8-154.2)	151.3 (131.4-171.3)	154.7 (134.8-174.6)	143.2 (124.7-161.7)
Hispanic	117.2 (102.1-132.2)	144.9 (128.1-161.7)	121.0 (106.3-135.7)	115.3 (101.7-128.9)	133.8 (118.8-148.8)

United States	2007	2008	2009	2010	2011
White	178.3 (177.8-178.8)	175.7 (175.2-176.2)	173.0 (172.5-173.5)	171.4 (170.9-171.9)	168.5 (168.0-168.9)
Black	216.2 (214.5-218.0)	209.4 (207.7-211.0)	205.4 (203.8-207.0)	202.9 (201.3-204.5)	199.2 (197.7-200.8)
Native American	125.8 (120.5-131.1)	126.4 (121.3-131.6)	116.2 (111.5-121.0)	121.8 (117.1-126.7)	111.5 (107.0-116.0)
Asian	110.0 (108.0-112.0)	109.2 (107.3-111.2)	107.0 (105.2-108.9)	107.7 (105.9-109.6)	105.5 (103.8-107.3)
Hispanic	122.8 (121.2-124.3)	121.9 (120.5-123.4)	120.5 (119.1-122.0)	119.0 (117.6-120.4)	117.9 (116.5-119.3)

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

Notice: Most up-to-date data available for United States Cancer mortality is 2007-2011 and must be carefully compared.

ALL CANCERS MORTALITY BY REGION, BY RACE/ETHNICITY IN NEVADA, 2008-2012

Table 11: All Cancers Mortality by Region and by Race/Ethnicity, Age-Adjusted Rates*, Nevada Geo-demographical Regions, 2008-2012.

Cancer Mortality (All Ages) by Races/Ethnicity - Age-Adjusted Rates*, Nevada, 2008-2012 (Regions ordered by population size)				
Race/Ethnicity	Clark	Washoe	Carson City	Rural Counties
White	168.3 (165.3-171.4)	197.7 (190.9-204.6)	226 (208.9-243.2)	182.9 (176.0-189.7)
Black	205.4 (194.6-216.1)	212.9 (162.7-263.2)	759.2 (329.6-1,188.7)	165.1 (92.8-237.5)
Native American	87.6 (63.3-111.8)	96.8 (60.3-133.4)	¥	127.9 (94.4-161.4)
Asian	149.1 (139.4-158.8)	132.6 (109.7-155.4)	¥	97.4 (57.6-137.2)
Hispanic	129.8 (122.1-137.5)	112.1 (94.6-129.6)	113.8 (63.9-163.6)	121.9 (97.4-146.4)
All Races/Ethnicities	165.1 (162.5-167.8)	187.4 (181.3-193.5)	222.7 (206.4-239.0)	177.1 (170.7-183.5)

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

LEADING CAUSES OF CANCER DEATH BY RACE/ETHNICITY, AGE-ADJUSTED RATES* IN NEVADA, 2008-2012

Table 12: Leading Causes of Cancer Mortality by Race/Ethnicity, Age-Adjusted Rates*, 2008-2012.

Leading Causes of Cancer Mortality by Race & Ethnicity – Counts/Age-Adjusted Rates* per 100,000, Nevada, 2008-2012										
TYPE OF CANCER	White		Black		Native American		Asian		Hispanic	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Lung and Bronchus Ca.	5,506	52.6	401	54.6	37	27.1	237	32.4	260	26.8
Breast (Female Only)	1,267	23.2	135	33.3	6	¥	111	23.1	103	14.1
Prostate (Male Only)	878	21.5	114	41.1	15	35.6	32	14.6	53	16.1
Colorectal Ca.	1,728	17.1	181	24.5	12	8.7	118	15.9	145	14.2
Pancreas Ca.	1,126	10.8	105	14.1	19	13.0	65	8.8	90	8.5
Ovary Ca. (Female Only)	400	7.3	15	4.0	¥	¥	36	7.7	33	5.9
Liver and Intrahepatic Bile Ducts Ca.	585	5.5	66	8.8	11	¥	86	11.6	101	8.6
Leukemias	637	6.5	57	7.3	¥	¥	38	5.3	71	5.8
Non-Hodgkin Lymphomas	550	5.5	33	4.4	¥	¥	39	6.1	55	5.8
Esophagus Ca.	554	5.2	37	5.1	¥	¥	20	2.5	32	2.5
Urinary Bladder Ca.	563	5.7	24	3.4	¥	¥	13	2.2	28	3.6
Brain and Other Nervous System Neoplasms	461	4.5	19	2.6	¥	¥	25	3.1	43	2.9
Kidney and Renal Pelvis Ca.	398	3.9	24	3.2	¥	¥	24	3.1	48	4.0
Corpus and Uterus, NOS Ca. (Female Only)	172	3.1	20	4.4	¥	¥	20	4.0	15	2.3
Melanoma of the Skin	370	3.7	¥	¥	0	0	¥	¥	14	1.1
Stomach Ca.	218	2.2	47	6.5	¥	¥	46	7.0	59	5.5
Myeloma	249	2.5	40	6.0	¥	¥	14	2.0	22	2.1
Lip, Oral Cavity and Pharynx Ca.	267	2.6	16	1.8	¥	¥	19	2.7	12	0.8
Cervix Uteri Ca. (Female Only)	97	1.9	16	3.4	¥	¥	14	2.7	22	2.7
Larynx Ca.	126	1.2	11	¥	¥	¥	¥	¥	¥	¥
Soft Tissue including Heart Ca.	89	0.9	9	¥	0	0	8	¥	11	¥
Non-Epithelial Skin Ca.	108	1.1	¥	¥	0	0	¥	¥	¥	¥
Mesothelioma	80	0.8	0	0	¥	¥	¥	¥	8	¥
Endocrine System Ca.	63	0.6	7	¥	0	0	6	¥	14	1.2
Bones and Joints Ca.	40	0.4	¥	¥	0	0	¥	¥	¥	¥
Hodgkin Lymphoma	42	0.4	0	0	0	0	0	0	¥	¥
Eye and Orbit Ca.	7	¥	¥	¥	¥	¥	0	0	¥	¥
Kaposi Sarcoma	¥	¥	0	0	0	0	0	0	0	0
Miscellaneous Malignant Cancer	1,539	15.1	120	16.0	8	¥	76	11.1	104	9.9

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

ALL CANCER MORTALITY TREND BY AGE GROUPS, 1995-2012

Figure 7: All Cancers Mortality Trend by Age Groups, Age-Adjusted Rates*, Nevada, 1995-2012.

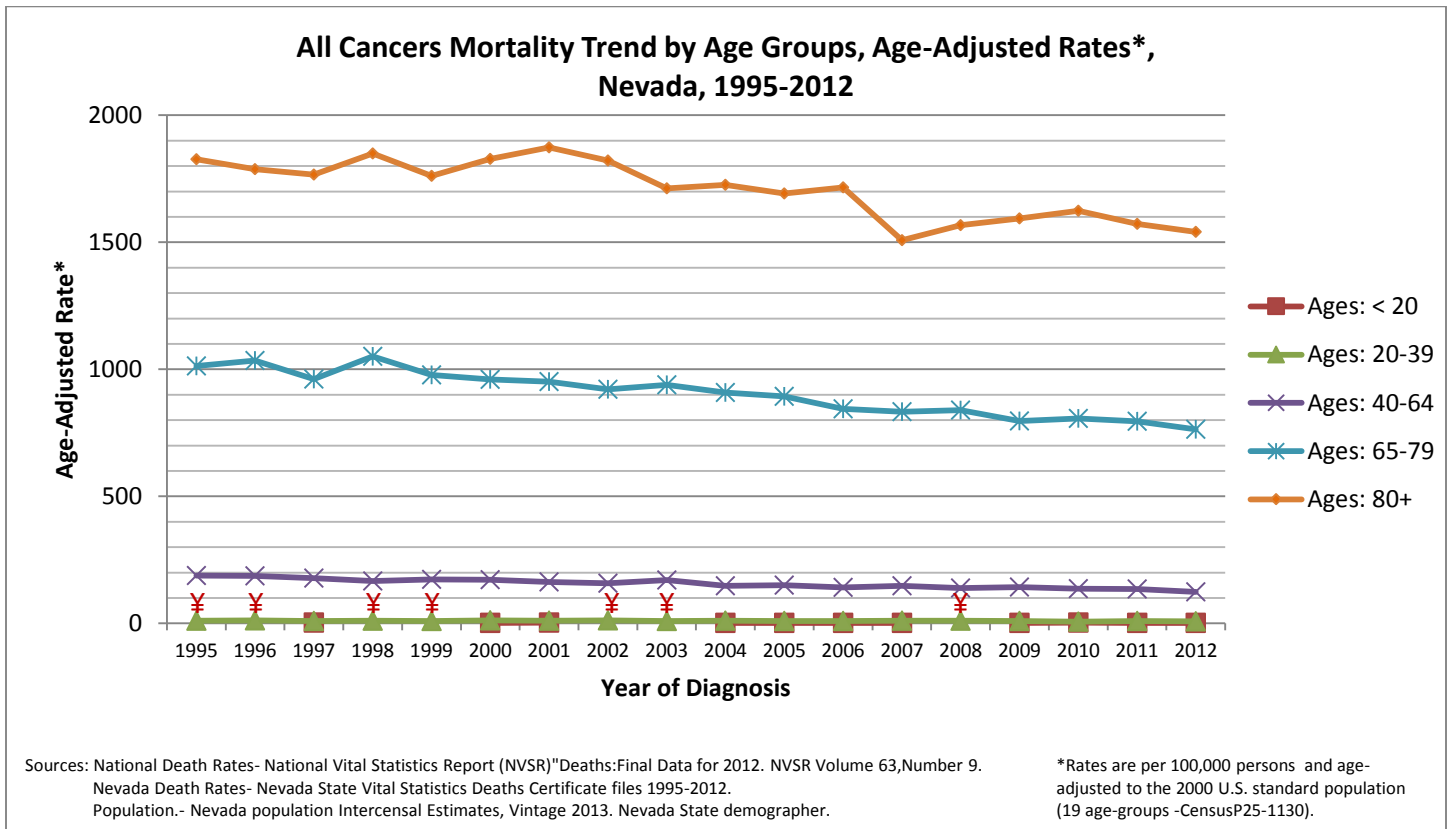


Table 13: All Cancers Mortality Annual Age-Adjusted Rates* by Age Groups, Nevada, 1995-2012.

Nevada	1995	1996	1997	1998	1999	2000	2001	2002	2003
Ages: <20	¥	¥	3.1 (1.6-4.6)	¥	¥	2.4 (1.2-3.7)	2.5 (1.2-3.8)	¥	¥
Ages: 20-39	10.2 (7.4-13.0)	11.4 (8.5-14.3)	9.3 (6.7-11.9)	11.0 (8.3-13.8)	9.6 (7.0-12.1)	12.0 (9.2-14.8)	10.4 (7.8-12.9)	11.5 (8.8-14.1)	8.9 (6.6-11.3)
Ages: 40-64	188.8 (176.4-201.1)	187.1 (175.2-199)	178.6 (167.3-189.8)	166.8 (156.3-177.3)	173.5 (163.1-183.9)	171.8 (161.7-181.9)	162.9 (153.3-172.5)	158.6 (149.4-167.9)	170.7 (161.4-180.1)
Ages: 65-79	1012.6 (960.4-1,064.8)	1034.2 (982.8-1,085.6)	960.9 (912.3-1,009.5)	1051.3 (1,001.8-1,100.7)	978.0 (931.1-1,024.9)	960.7 (915.2-1,006.2)	951.0 (906.4-995.5)	921.7 (878.5-964.9)	939.4 (896.3-982.5)
Ages: 80+	1826.8 (1,671-1,982.6)	1787.8 (1,638-1,937.7)	1765.9 (1,620.9-1,910.9)	1849.5 (1,708.5-1,990.5)	1761.3 (1,629.0-1,893.6)	1828.0 (1,697.0-1,959.1)	1873.0 (1,746.4-1,999.6)	1821.8 (1,701.2-1,942.4)	1711.9 (1,599.7-1,824.1)

Nevada	2004	2005	2006	2007	2008	2009	2010	2011	2012
Ages: <20	2.0 (0.9-3.1)	2.1 (1.0-3.1)	2.1 (1.0-3.2)	2.3 (1.2-3.5)	¥	1.7 (0.8-2.7)	2.6 (1.4-3.7)	2.3 (1.2-3.4)	1.7 (0.8-2.7)
Ages: 20-39	10.4 (7.9-12.8)	9.3 (7.0-11.6)	9.9 (7.5-12.3)	10.5 (8.1-12.9)	10.6 (8.2-13.0)	9.2 (7.0-11.5)	7.4 (5.4-9.4)	9.4 (7.1-11.6)	8.5 (6.4-10.6)
Ages: 40-64	148.1 (139.7-156.6)	150.4 (142.0-158.8)	141.8 (133.9-149.8)	147.8 (139.8-155.7)	138.9 (131.3-146.5)	143.1 (135.5-150.7)	136.8 (129.4-144.1)	135.4 (128.2-142.6)	123.8 (116.9-130.7)
Ages: 65-79	908.5 (867.0-950.0)	893.1 (852.5-933.8)	844.5 (805.8-883.3)	833.5 (795.5-871.4)	839.2 (801.8-876.6)	796.9 (761.0-832.7)	806.8 (771.1-842.4)	794.7 (759.7-829.8)	764.3 (730.5-798.0)
Ages: 80+	1,726.0 (1,616.3-1,835.7)	1,691.8 (1,586.2-1,797.3)	1,715.9 (1,612.6-1,819.1)	1,508.1 (1,413.3-1,603)	1,566.7 (1,471.6-1,661.8)	1,593.7 (1,499.2-1,688.2)	1,623.9 (1,530-1,717.9)	1,572.2 (1,480.9-1,663.6)	1,540.7 (1,451.4-1,630.1)

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

ALL CANCER MORTALITY BY AGE GROUPS, 2008-2012

Figure 8: All Cancer Mortality by Age Groups, Cumulative Annual Age-Adjusted Rates*, Nevada, 2008-2012.

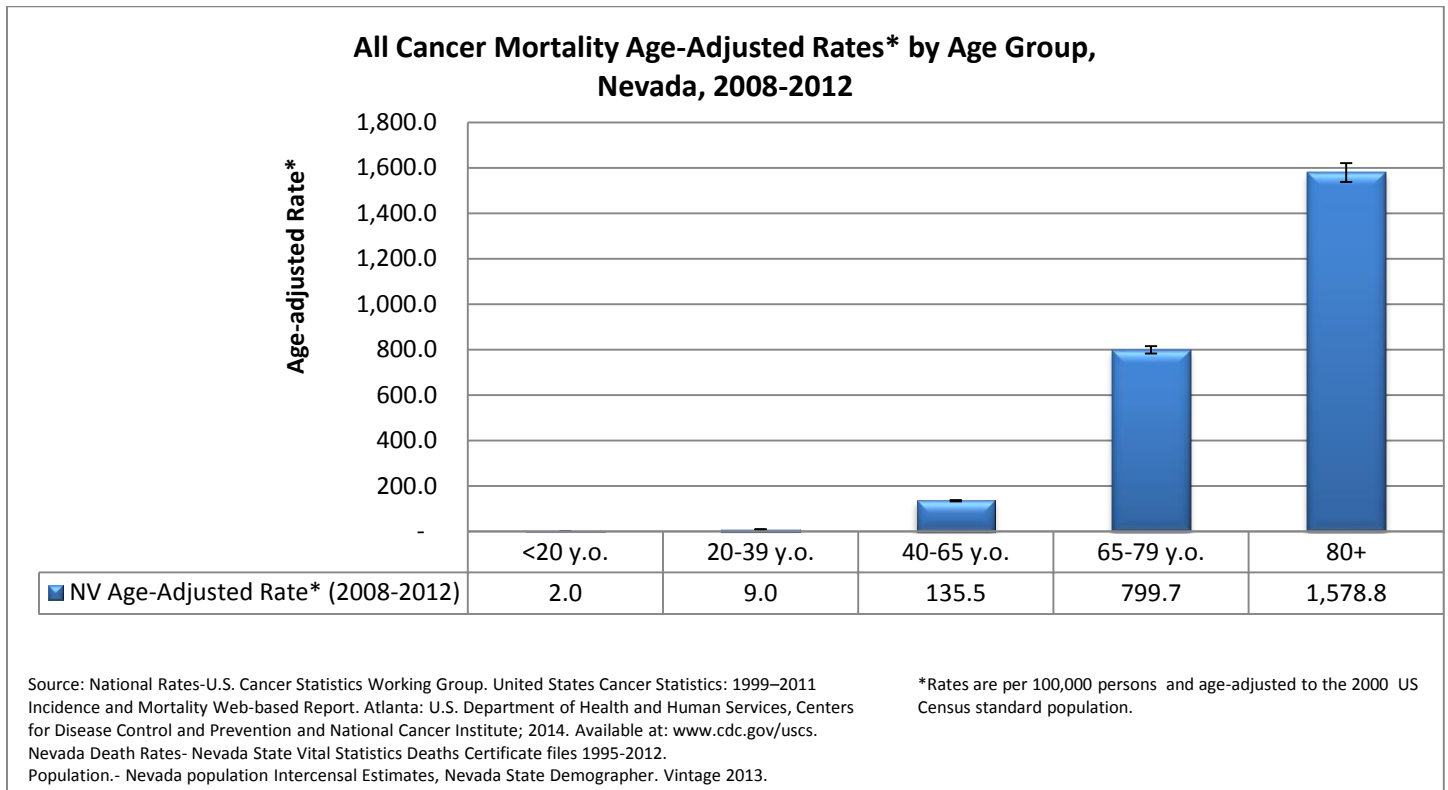


Table 14: All Cancers Mortality by Region and by Age Groups, Age-Adjusted Rates*, Nevada Geo-demographical Regions, 2008-2012.

All Cancer Mortality (All Races) by Age Groups - Age-Adjusted Rates*, Nevada, 2008-2012 (Regions ordered by population size)				
Age Groups	Clark	Washoe	Carson City	Rural Counties
< 20	2.0 (1.5-2.5)	¥	¥	¥
20 – 39	9.1 (7.9-10.2)	8.9 (6.4-11.4)	¥	7.6 (4.5-10.7)
40 – 64	130.9 (127.1-134.8)	143.9 (135.5-152.4)	178.7 (153.6-203.8)	143.1 (133.3-152.9)
65 – 79	771.8 (753.2-790.4)	880.2 (835.7-924.7)	1,041.6 (920.7-1,162.6)	821.6 (777.6-865.5)
80 +	1,510.3 (1,461.4-1,559.1)	1,761.4 (1,647.4-1,875.3)	1,990 (1,731.7-2,248.3)	1,633.9 (1,516.3-1,751.4)
All Ages	165.1 (162.5-167.8)	187.4 (181.3-193.5)	222.7 (206.4-239.0)	177.1 (170.7-183.5)

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

Table 15: Leading Cancer Mortality Causes by Age Groups, Nevada, 2008-2012.

Leading Causes of Cancer Mortality by Age Groups – Counts/Age-Adjusted Rates* per 100,000, Nevada, 2008-2012										
TYPE OF CANCER	< 20		20 -39		40 - 64		65 – 79		80 +	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Lung and Bronchus Ca.	¥	¥	17	0.5	1,691	34.1	3,304	270.7	1,437	404.9
Breast (Female Only)	0	0	42	2.5	672	28.9	542	82.7	369	171.3
Prostate (Male Only)	0	0	0	0.0	120	4.8	463	82.0	511	388.5
Colorectal Ca.	¥	¥	29	0.8	661	13.8	890	73.9	608	172.9
Pancreas Ca.	0	0	7	¥	435	8.9	651	52.9	315	89.3
Ovary Ca. (Female Only)	0	0	8	¥	178	7.5	200	30.8	104	48.4
Liver and Intrahepatic Bile Ducts Ca.	0	0	8	¥	347	7.1	347	28.3	149	42.0
Leukemias	27	0.7	35	0.9	173	3.7	325	26.8	246	69.7
Non-Hodgkin Lymphomas	¥	¥	23	0.6	163	3.4	279	23.1	212	60.2
Esophagus Ca.	0	0	¥	¥	242	4.9	296	24.2	109	30.7
Urinary Bladder Ca.	0	0	0	0	101	2.1	281	24.0	250	71.4
Brain and Other Nervous System Neoplasms	19	0.5	28	0.8	223	4.7	194	15.6	90	25.4
Kidney and Renal Pelvis Ca.	¥	¥	¥	¥	183	3.8	185	15.1	122	34.5
Corpus and Uterus, NOS Ca. (Female Only)	0	0	¥	¥	86	3.5	91	13.9	52	24.2
Melanoma of the Skin	0	0	12	0.3	151	3.2	133	11.1	96	27.2
Stomach Ca.	0	0	14	0.4	100	2.1	161	13.3	97	27.5
Myeloma	0	0	¥	¥	65	1.4	162	13.7	98	28.2
Lip, Oral Cavity and Pharynx Ca.	0	0	¥	¥	133	2.8	120	9.9	58	16.3
Cervix Uteri Ca. (Female Only)	0	0	19	1.1	89	4.0	32	5.0	12	5.6
Larynx Ca.	0	0	0	0	53	1.1	73	5.9	22	6.2
Soft Tissue including Heart Ca.	¥	¥	14	0.4	53	1.1	36	2.9	9	¥
Non-Epithelial Skin Ca.	0	0	¥	¥	34	0.7	40	3.3	38	10.9
Mesothelioma	0	0	¥	¥	19	0.4	50	4.1	23	6.6
Endocrine System Ca.	¥	¥	¥	¥	29	0.6	34	2.7	20	5.7
Bones and Joints Ca.	¥	¥	7	¥	19	0.4	13	1.0	9	¥
Hodgkin Lymphoma	0	0	8	¥	15	0.3	13	1.0	11	¥
Eye and Orbit Ca.	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥
Kaposi Sarcoma	0	0	0	0	0	0	0	0	¥	¥
Miscellaneous Malignant Cancer	7	¥	31	0.9	503	10.4	816	66.9	494	140.7

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

ALL CANCER MORTALITY BY CAUSE, 2008-2012

Table 16: Leading Cancer Mortality Causes by Ages, Age-Adjusted Rates*, Nevada, 2008-2012.

Leading Causes of Cancer Mortality (All Ages, All Races) by Ages - Specific Crude Rates, 2008-2012																						
TYPE OF CANCER	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Age Adj Rate*	Age Adj Rate L-Cls	Age Adj Rate U-Cls
Lung and Bronchus Ca.	0	0	0	0	¥	0	¥	0.6	1.0	3.5	11.7	30.7	58.2	115.2	200.6	272.8	357.2	416.5	391.6	49.2	48.0	50.4
Breast (Female Only)	0	0	0	0	0	0	¥	1.7	6.5	11.0	23.4	31.3	35.6	64.6	78.6	72.0	100.6	143.0	203.8	22.9	21.8	24.0
Prostate (Male Only)	0	0	0	0	0	0	0	0	0	0	¥	3.3	9.0	18.9	47.2	83.6	124.4	249.4	548.6	22.0	20.7	23.3
Colorectal Ca.	0	0	0	¥	0	0	¥	1	1.9	3.6	7.4	15.4	21.7	34.9	48.9	70.6	109.7	148.6	200.9	10.7	10.1	11.2
Pancreas Ca.	0	0	0	0	0	0	0	¥	¥	1.8	3.6	8.3	14.5	27.7	42.6	53.0	65.8	82.1	97.6	9.2	8.7	9.7
Ovary Ca. (Female Only)	0	0	0	0	0	¥	¥	¥	¥	2.4	3.7	8.7	10.9	18.8	25.4	31.2	37.2	49.1	47.5	6.9	6.3	7.5
Liver and Intrahepatic Bile Ducts Ca.	0	0	0	0	0	0	¥	0	0.6	1.2	2.7	7.4	14.2	18.6	22.2	27.6	36.9	42.8	41.1	6.4	6.0	6.8
Leukemias	¥	¥	¥	0.9	0.9	1.3	0.8	0.6	1.0	1.8	2.1	3.3	5.2	9.2	17.8	29.3	35.2	64.0	76.4	5.4	5.0	5.8
Esophagus Ca.	0	0	0	0	0	0	0	¥	¥	¥	2.1	4.8	7.9	16.0	16.9	27.6	29.6	31.2	30.2	5.2	4.8	5.7
Non-Hodgkin Lymphomas	0	0	¥	0	¥	¥	¥	0.7	1.3	1.0	1.9	3.8	5.3	8.5	16.0	22.1	33.2	53.4	68.0	4.8	4.4	5.2
Urinary Bladder Ca.	0	0	0	0	0	0	0	0	0	¥	0.8	1.9	3.7	6.2	11.4	21.1	43.5	56.4	88.6	4.1	3.7	4.4
Brain and Other Nervous System Neoplasms	0	¥	0.6	0.7	¥	¥	0.7	¥	1.3	1.6	2.6	4.9	7.7	11.1	14.7	13.9	18.6	25.7	25.0	3.8	3.4	4.1
Kidney and Renal Pelvis Ca.	¥	0	0	0	0	0	0	¥	¥	1.1	2.0	3.8	7.2	8.9	11.9	14.9	19.3	33.2	36.0	3.7	3.4	4.0
Corpus and Uterus, NOS Ca. (Female Only)	0	0	0	0	0	0	0	¥	0	¥	¥	4.0	4.2	12.1	13.0	12.8	16.1	25.4	22.8	3.2	2.8	3.6
Melanoma of the Skin	0	0	0	0	0	¥	¥	¥	¥	1.8	2.3	1.8	5.0	8.1	6.8	10.6	17.3	25.7	28.9	2.9	2.6	3.2
Stomach Ca.	0	0	0	0	0	¥	0	¥	0.9	1.0	1.3	2.3	3.2	4.6	8.8	13.4	18.9	25.2	30.2	2.6	2.4	2.9
Myeloma	0	0	0	0	0	0	0	0	¥	0.9	0.7	1.0	2.4	3.2	7.7	11.5	23.9	18.1	39.8	2.3	2.1	2.6
Lip, Oral Cavity and Pharynx Ca.	0	0	0	0	0	0	¥	0	¥	1.0	1.0	2.4	6.0	6.3	7.9	7.2	15.6	18.1	14.1	1.7	1.5	1.9
Cervix Uteri Ca. (Female Only)	0	0	0	0	0	¥	¥	1.7	1.8	2.9	3.2	4.9	5.2	5.1	4.2	3.7	7.4	¥	6.9	2.2	1.8	2.5
Larynx Ca.	0	0	0	0	0	0	0	0	0	¥	¥	0.8	2.6	3.3	4.4	7.0	6.6	6.0	6.4	1.1	0.9	1.3
Soft Tissue including Heart Ca.	0	¥	0	0	¥	¥	¥	¥	0.6	¥	0.9	1.1	1.6	2.5	2.4	2.6	4.0	¥	¥	0.9	0.7	1.0
Non-Epithelial Skin Ca.	0	0	0	0	0	0	¥	0	¥	¥	¥	1.1	1.1	1.3	2.2	3.4	4.7	7.6	14.8	0.9	0.7	1.1
Mesothelioma	0	0	0	0	0	0	¥	0	0	¥	¥	¥	¥	1.2	3.1	4.1	5.3	4.5	9.0	0.7	0.6	0.9
Endocrine System Ca.	0	¥	0	0	0	¥	0	¥	¥	¥	¥	¥	1.0	1.2	2.2	3.8	2.0	5.0	6.4	0.7	0.5	0.8
Bones and Joints Ca.	0	0	0	0	¥	¥	¥	0	¥	¥	¥	¥	0.7	¥	1.1	¥	¥	¥	3.9	0.4	0.3	0.5
Hodgkin Lymphoma	0	0	0	0	0	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	3.0	¥	0.4	0.3	0.5
Eye and Orbit Ca.	0	¥	0	0	0	¥	0	0	0	0	¥	¥	¥	0	¥	0	0	¥	0	¥	¥	¥
Kaposi Sarcoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	¥	0	0
Miscellaneous Malignant Cancer	0	0	0.4	0	0.3	0.4	0.5	0.9	1.4	2.9	4.5	9.2	17.1	30.6	50.3	65.3	89.7	116.8	168.2	14.4	13.7	15

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

CANCER MORTALITY SNAPSHOT

Figure 9: Top Five Cancer Mortality Causes Annual Age-Adjusted Rates* by Gender, Nevada vs. United States.

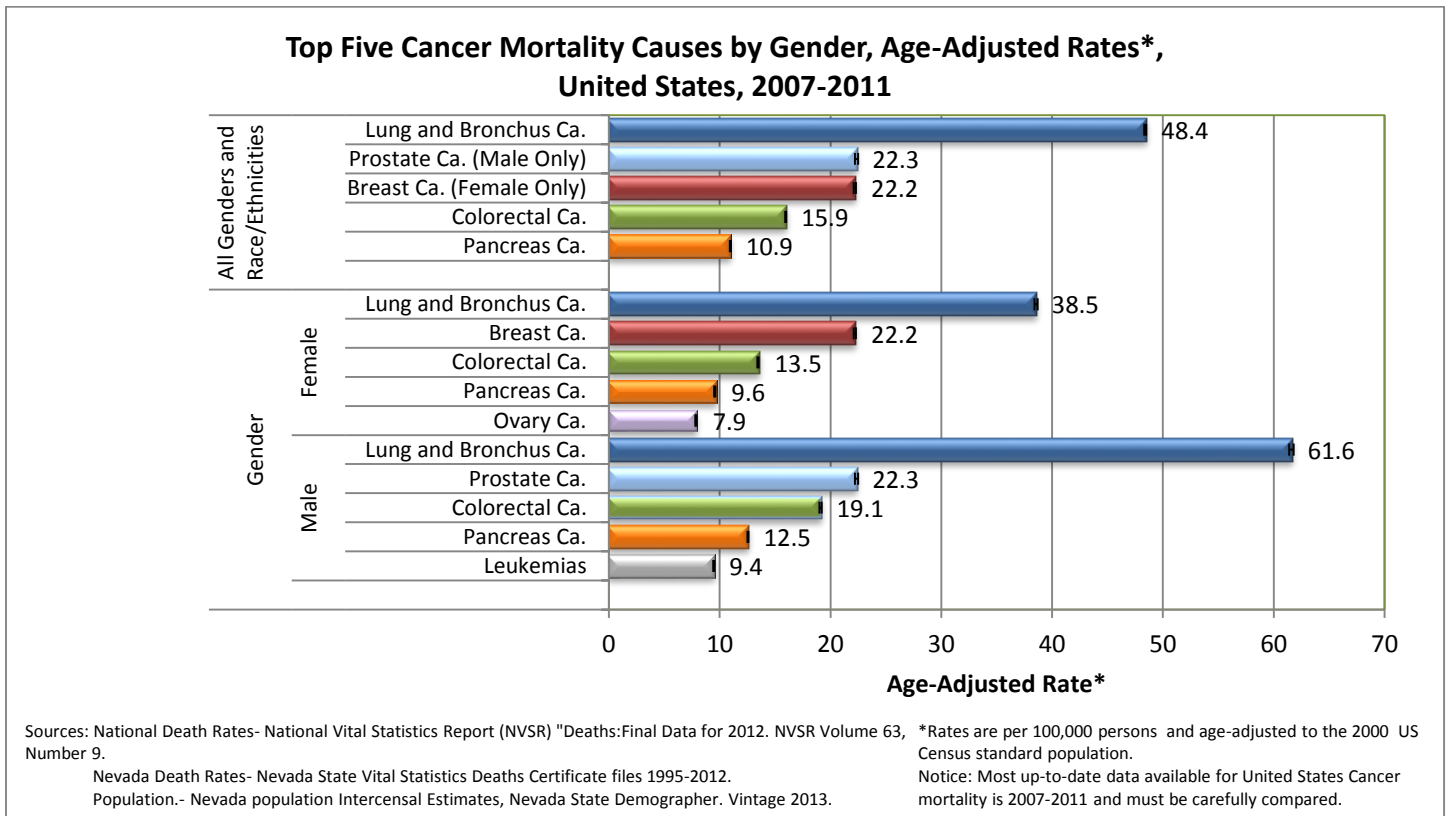
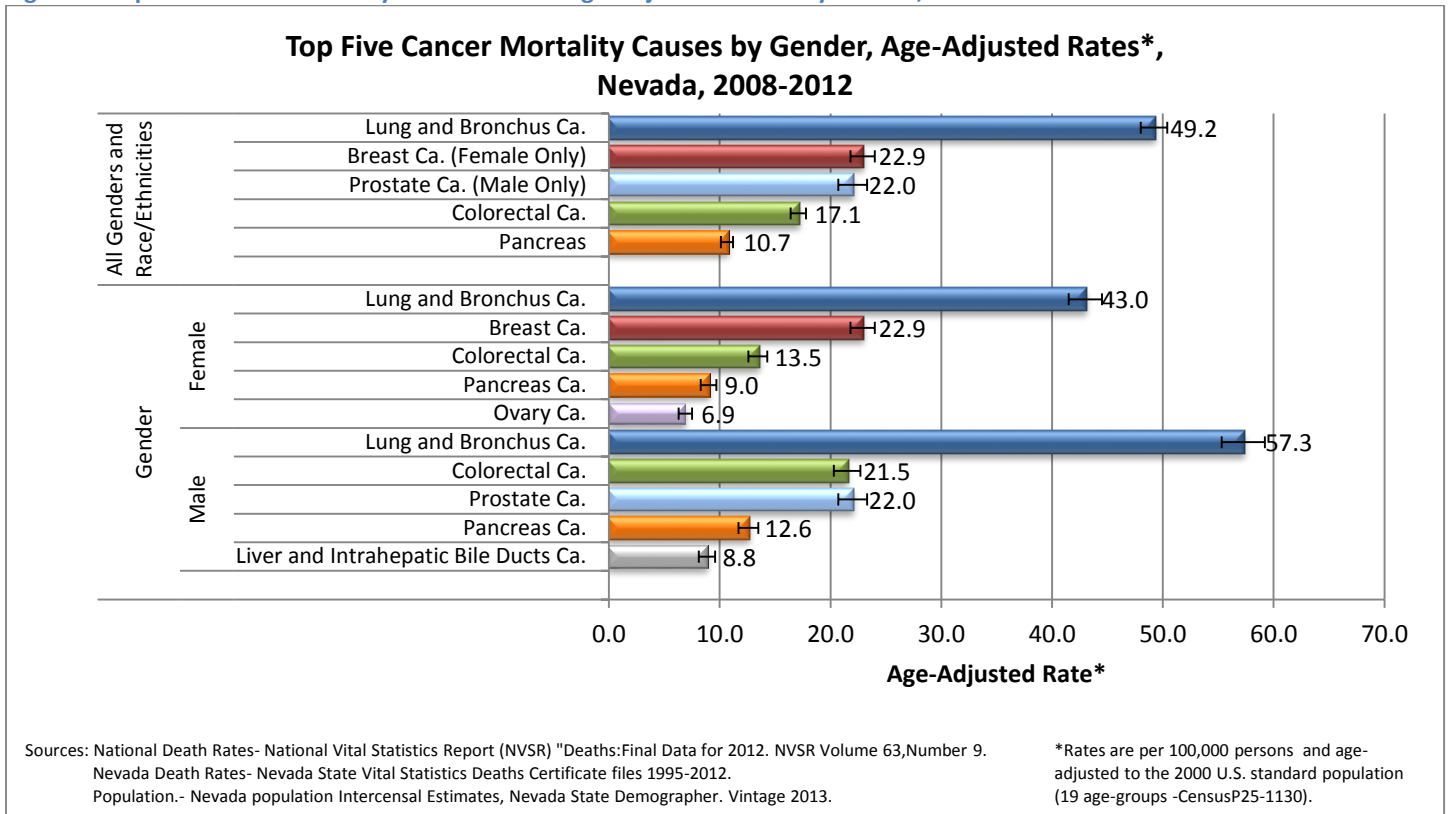
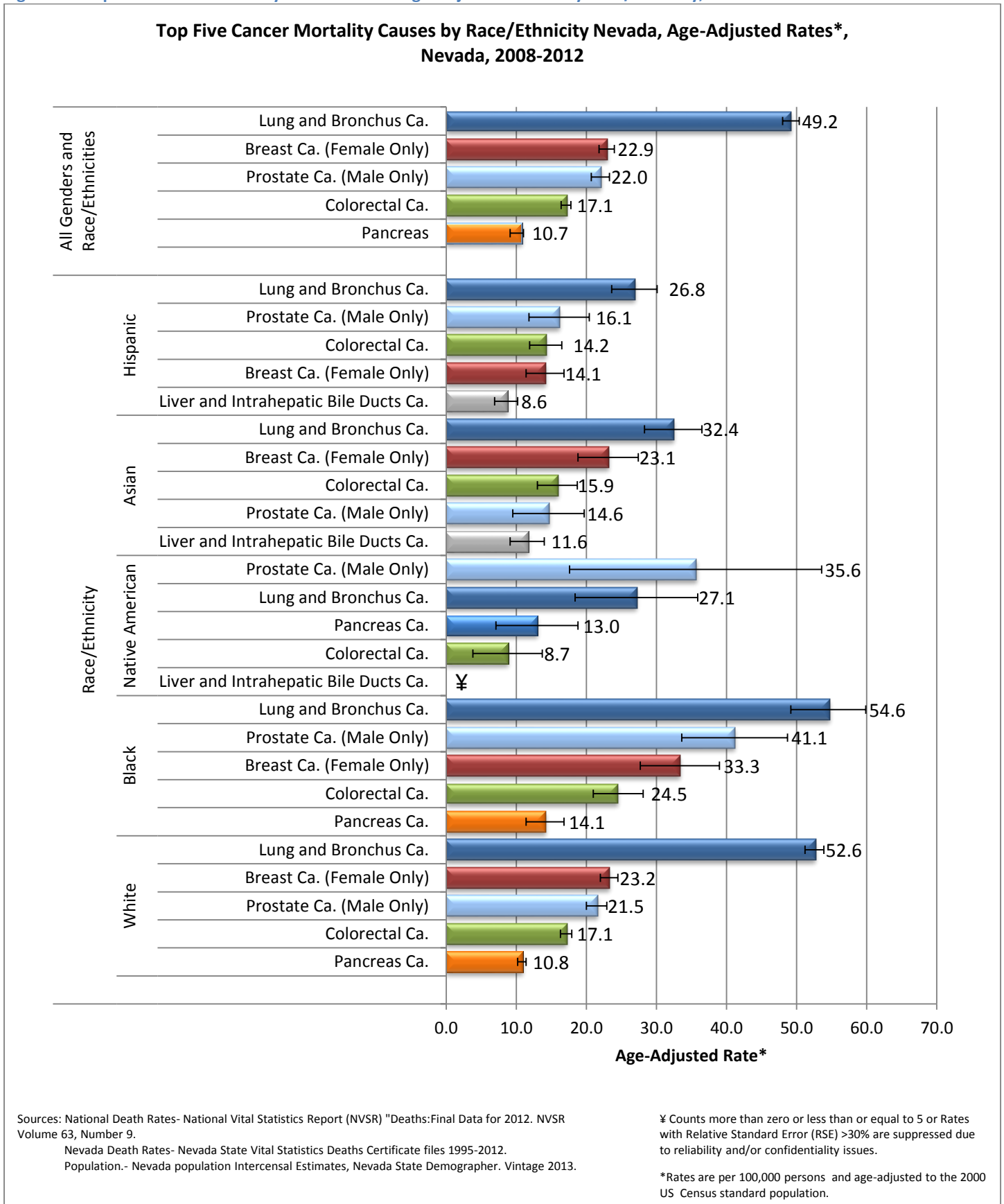
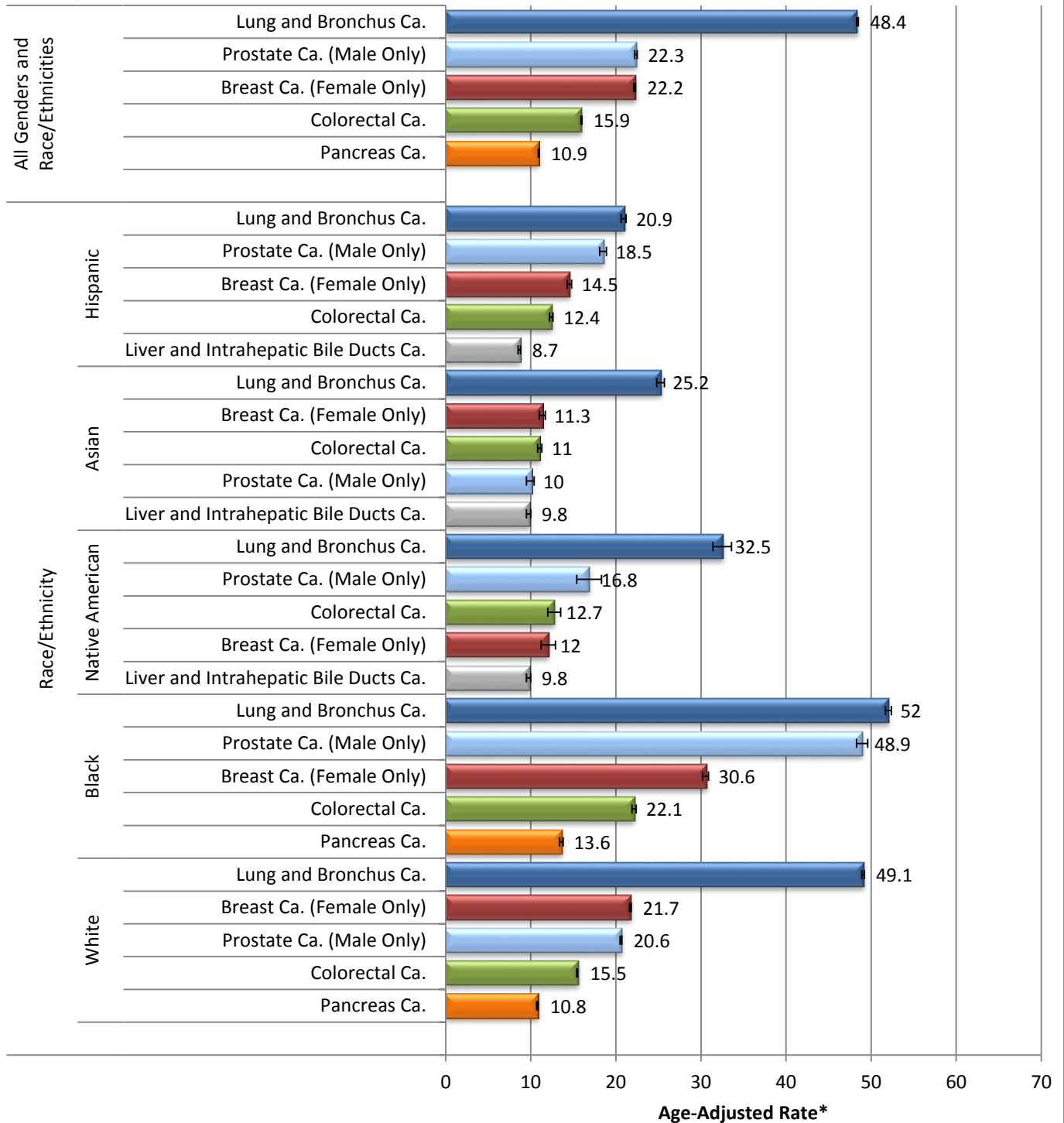


Figure 10: Top Five Cancer Mortality Causes Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States.



**Top Five Cancer Mortality Causes by Race/Ethnicity, Age-Adjusted Rates*,
United States, 2007-2011**

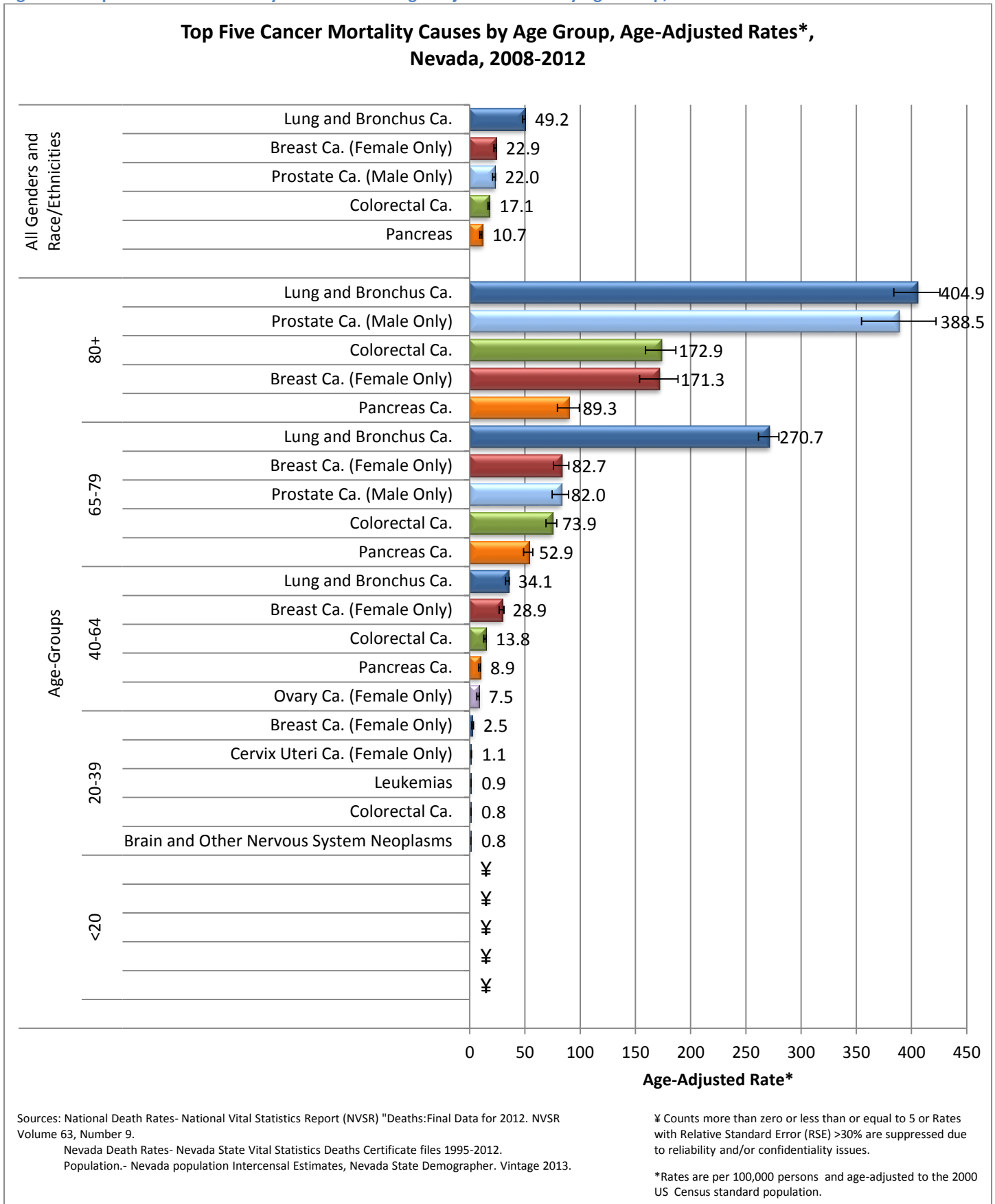


Sources: National Death Rates- National Vital Statistics Report (NVSr) "Deaths:Final Data for 2012. NVSR Volume 63, Number 9.
Nevada Death Rates- Nevada State Vital Statistics Deaths Certificate files 1995-2012.
Population.- Nevada population Intercensal Estimates, Nevada State Demographer. Vintage 2013.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

Notice: Most up-to-date data available for United States Cancer mortality is 2007-2011 and must be carefully compared.

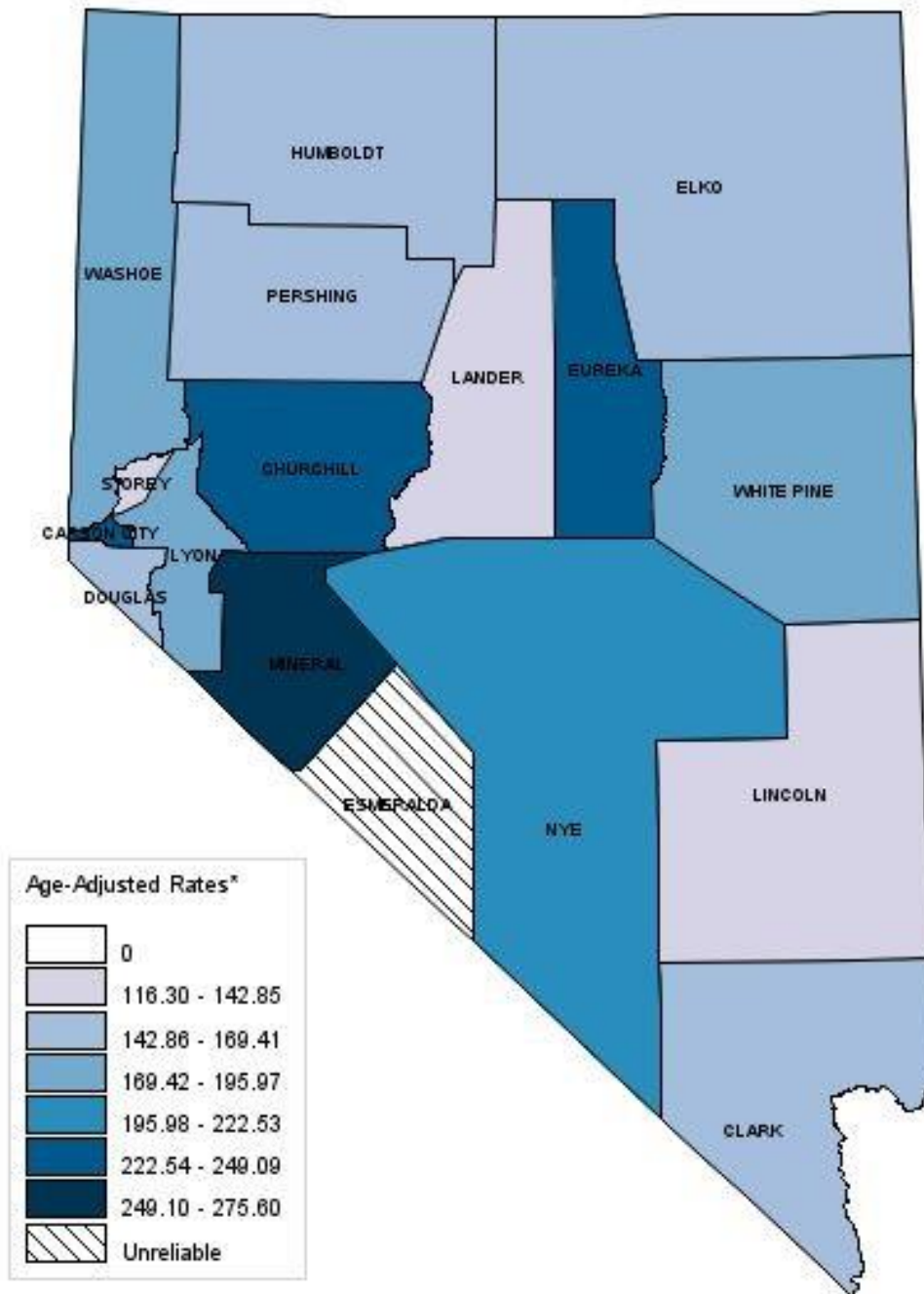
Figure 11: Top Five Cancer Mortality Causes Annual Age-Adjusted Rates* by Age Group, Nevada vs. United States



ALL CANCER MORTALITY BY GEOGRAPHICAL DISTRIBUTION

Figure 12: All Cancers Mortality Cumulative Annual Age-Adjusted Rates* by County, Nevada, 2008-2012.

Nevada Overall Cancer Mortality, 2008-2012 (All Ages, All Races) by County



*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population (19 age grps.-CensusP25-1130).

Figure 13: All Cancers Mortality by County, Age-Adjusted Rates*, Nevada, 2008-2012.

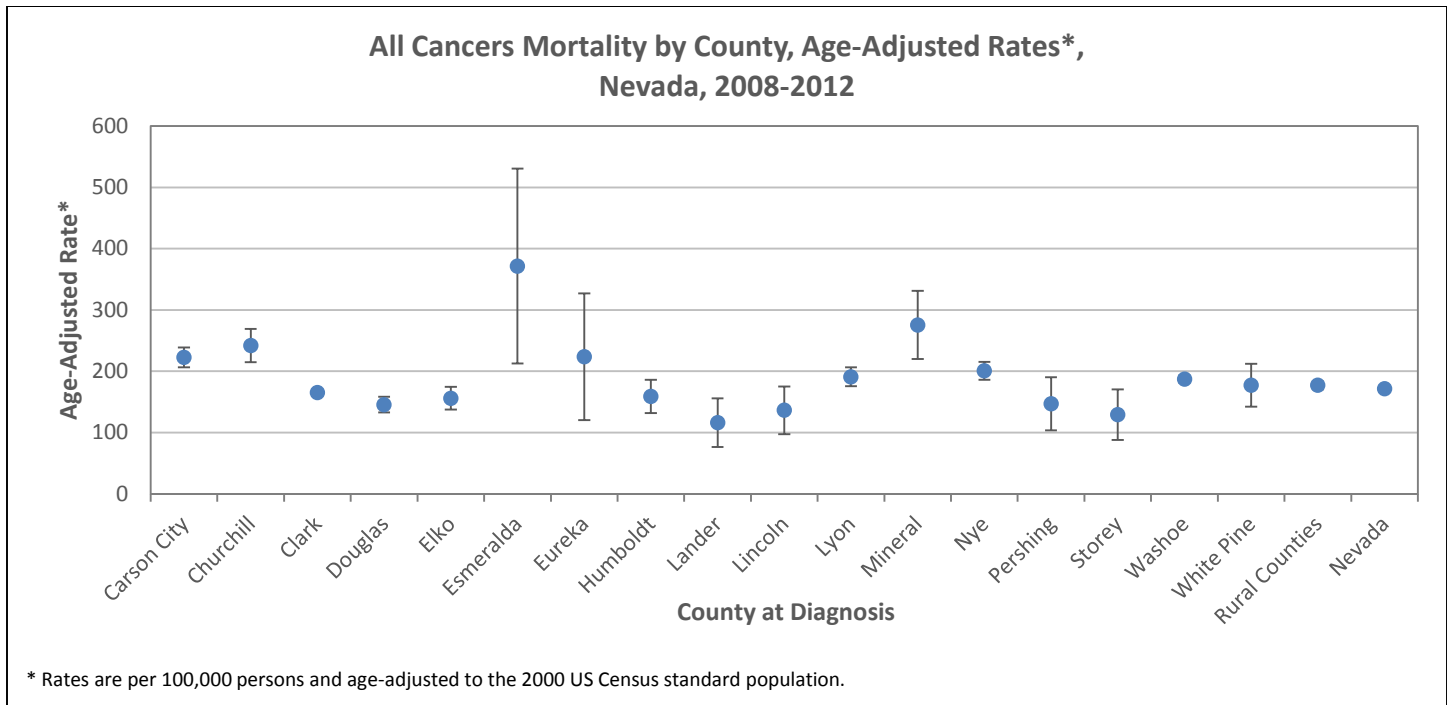


Table 17: All Cancers Mortality Cumulative Annual Age-Adjusted Rates* by County, Nevada, 2008-2012.

All Cancer Mortality (All Ages, All Races) by County - Counts/Age-Adjusted Rates*, Nevada, 2008-2012		
County	Counts	Age Adj. Rate*
Carson City	719	222.7 (206.4-239.0)
Churchill	307	242.1 (215.0-269.2)
Clark	14,992	165.1 (162.5-167.8)
Douglas	497	145.5 (132.7-158.3)
Elko	274	156.1 (137.6-174.5)
Esmeralda	21	371.5 (212.6-530.4)
Eureka	18	223.8 (120.4-327.2)
Humboldt	132	159.1 (132.0-186.3)
Lander	33	116.3 (76.6-156.0)
Lincoln	47	136.4 (97.4-175.4)
Lyon	609	191.1 (175.9-206.3)
Mineral	95	275.6 (220.2-331.0)
Nye	717	200.9 (186.2-215.6)
Pershing	44	147 (103.5-190.4)
Storey	38	129.3 (88.2-170.4)
Washoe	3,606	187.4 (181.3-193.5)
White Pine	99	177.3 (142.4-212.2)
Rural Counties	2,931	177.1 (170.7-183.5)

‡ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

* Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

Table 18: Leading Cancer Mortality Causes by County, Age-Adjusted Rates*, Nevada, 2008-2012.

Leading Causes of Cancer Mortality (All Ages, All Races) by County – Age-Adjusted Rates*, Nevada, 2008-2012 (Counties ordered by population size)																		
TYPE OF CANCER	> 50,000 pop.		< 50,000 and > 25,000 pop.				< 25,000 and > 5,000 pop.						< 5,000 pop.					
	Clark	Washoe	Carson City	Elko	Douglas	Lyon	Nye	Churchill	Humboldt	White Pine	Lander	Mineral	Pershing	Lincoln	Storey	Eureka	Esmeralda	Rural
Lung and Bronchus Ca.	48.0 (46.5-49.4)	49.7 (46.5-52.9)	62.8 (54.1-71.4)	44.8 (35.0-54.5)	39.2 (32.7-45.7)	60.3 (51.8-68.7)	66.3 (58.1-74.6)	74.0 (58.9-89.2)	43.9 (30.1-57.7)	42.5 (25.5-59.4)	¥	72.1 (43.9-100.4)	66.1 (37.2-95.1)	38.5 (18.3-58.7)	45.3 (20.7-69.9)	¥	¥	53.0 (49.6-56.5)
Breast Ca. (Female Only)	22.7 (21.3-24.0)	25.1 (22.1-28.1)	27.7 (20.1-35.3)	17.9 (9.8-25.9)	17.3 (11.0-23.6)	18.3 (12.0-24.7)	22.1 (15.1-29.1)	26.3 (14.5-38.1)	¥	42.4 (19.4-65.5)	¥	¥	¥	¥	0	¥	¥	20.2 (17.2-23.2)
Prostate Ca. (Male Only)	20.5 (19.0-22.0)	26.3 (22.6-30.0)	34.5 (24.4-44.6)	¥	17.7 (11.0-24.4)	20.9 (13.0-28.8)	25.4 (17.5-33.3)	¥	¥	¥	¥	¥	¥	¥	¥	0	¥	22.8 (19.2-26.4)
Colorectal Ca.	17.1 (16.3-18.0)	16.5 (14.7-18.4)	19.5 (14.7-24.3)	13.0 (7.3-18.6)	13.3 (9.4-17.2)	16.0 (11.6-20.4)	20.2 (15.5-24.9)	29.0 (19.7-38.2)	17.7 (8.4-27.0)	¥	¥	¥	¥	¥	¥	¥	¥	17.0 (15.0-19.0)
Pancreas Ca.	10.6 (9.9-11.2)	11.6 (10.1-13.2)	10.7 (7.1-14.3)	9.1 (4.9-13.3)	8.8 (5.8-11.9)	10.2 (6.8-13.7)	11.4 (7.9-14.9)	14.0 (7.5-20.5)	¥	¥	¥	¥	¥	¥	¥	¥	¥	10.3 (8.7-11.8)
Ovary Ca. (Female Only)	6.9 (6.2-7.6)	6.9 (5.4-8.5)	7.6 (3.8-11.5)	¥	4.5 (2.2-6.7)	¥	9.6 (5.0-14.1)	¥	¥	¥	¥	¥	0	¥	¥	0	0	6.3 (4.7-8.0)
Liver and Intrahepatic Bile Ducts Ca.	5.8 (5.4-6.3)	8.2 (7.0-9.5)	8.2 (5.1-11.4)	¥	3.5 (1.7-5.3)	7.4 (4.6-10.3)	5.3 (3.0-7.6)	10.4 (4.9-15.8)	¥	¥	¥	¥	¥	0	¥	¥	¥	6.0 (4.9-7.1)
Leukemias	6.3 (5.8-6.8)	6.5 (5.3-7.6)	8.9 (5.6-12.1)	¥	5.6 (3.0-8.2)	7.5 (4.4-10.6)	6.1 (3.5-8.6)	¥	¥	¥	¥	¥	¥	¥	¥	0	0	6.5 (5.2-7.7)
Non-Hodgkin Lymphomas	5.0 (4.6-5.5)	6.4 (5.3-7.6)	7.7 (4.7-10.7)	¥	5.5 (3.0-8.0)	6.0 (3.2-8.8)	6.1 (3.6-8.6)	¥	¥	¥	¥	¥	0	¥	¥	¥	0	5.8 (4.6-7.0)
Esophagus Ca.	4.2 (3.8-4.7)	6.1 (5.0-7.2)	8.3 (5.3-11.4)	7.5 (3.6-11.5)	7.1 (4.2-10.0)	4.2 (2.0-6.4)	5.7 (3.3-8.2)	¥	¥	¥	¥	¥	¥	¥	0	0	0	5.6 (4.5-6.7)
Urinary Bladder Ca.	5.1 (4.6-5.6)	5.3 (4.2-6.3)	8.0 (4.8-11.1)	¥	3.7 (1.6-5.8)	7.8 (4.7-11.0)	7.0 (4.2-9.7)	¥	¥	¥	¥	¥	0	¥	0	0	0	5.3 (4.2-6.5)
Brain and Other Nervous System Neoplasms	3.8 (3.4-4.1)	4.7 (3.8-5.7)	7.8 (4.7-10.8)	¥	4.4 (2.2-6.5)	6.0 (3.3-8.7)	5.1 (2.5-7.7)	¥	¥	0	0	¥	0	0	¥	0	0	4.3 (3.3-5.3)
Kidney and Renal Pelvis Ca.	3.4 (3.0-3.8)	4.7 (3.8-5.7)	5.0 (2.6-7.4)	¥	3.7 (1.6-5.8)	4.0 (1.8-6.1)	5.2 (2.7-7.6)	¥	¥	¥	¥	¥	¥	¥	0	¥	¥	4.2 (3.2-5.2)
Corpus and Uterus, NOS Ca. (Female Only)	3.1 (2.6-3.5)	4.3 (3.1-5.5)	¥	¥	¥	¥	¥	¥	¥	0	0	0	0	0	0	0	0	2.5 (1.4-3.5)
Melanoma of the Skin	2.7 (2.3-3.0)	3.9 (3.1-4.8)	4.4 (2.1-6.7)	¥	5.5 (3.0-8.1)	4.9 (2.3-7.5)	¥	¥	¥	¥	0	¥	¥	¥	0	0	0	3.6 (2.7-4.5)
Stomach Ca.	3.2 (2.8-3.5)	2.7 (1.9-3.4)	¥	¥	¥	¥	¥	¥	0	¥	0	¥	0	0	0	0	0	2.1 (1.4-2.9)
Myeloma	2.6 (2.2-2.9)	3.6 (2.7-4.5)	¥	¥	¥	¥	¥	¥	0	0	0	¥	0	¥	0	0	0	2.3 (1.5-3.0)
Lip, Oral Cavity and Pharynx Ca.	2.0 (1.7-2.3)	3.2 (2.4-4.0)	4.7 (2.7-7.2)	¥	¥	4.1 (2.0-6.3)	¥	¥	¥	¥	0	¥	¥	¥	0	0	0	2.7 (1.9-3.5)
Cervix Uteri Ca. (Female Only)	2.1 (1.7-2.6)	2.4 (1.5-3.4)	¥	¥	¥	¥	¥	¥	¥	0	¥	0	0	¥	0	0	0	2.2 (1.2-3.2)
Larynx Ca.	1.1 (0.9-1.3)	1.0 (0.6-1.4)	¥	¥	¥	¥	¥	¥	¥	0	0	¥	0	0	0	0	0	1.0 (0.5-1.5)
Soft Tissue including Heart Ca.	0.8 (0.6-1.0)	1.1 (0.6-1.5)	¥	¥	¥	¥	¥	¥	0	¥	¥	0	0	0	0	0	0	0.7 (0.3-1.2)
Non-Epithelial Skin Ca.	0.8 (0.6-1.0)	1.2 (0.8-1.7)	¥	¥	¥	¥	¥	¥	0	0	0	¥	0	0	¥	0	0	1.0 (0.5-1.5)
Mesothelioma	0.7 (0.5-0.9)	0.8 (0.4-1.2)	¥	¥	0	¥	¥	¥	¥	0	¥	0	0	0	0	0	0	1.0 (0.5-1.6)
Endocrine System Ca.	0.7 (0.5-0.9)	0.7 (0.3-1.0)	¥	0	¥	¥	¥	0	0	0	0	0	0	0	0	0	0	¥
Bones and Joints Ca.	0.3 (0.2-0.5)	¥	¥	¥	0	¥	¥	¥	0	0	0	0	0	0	0	0	0	¥

Leading Causes of Cancer Mortality (All Ages, All Races) by County – Age-Adjusted Rates*, Nevada, 2008-2012 (Counties ordered by population size) (CONTINUED)																			
Hodgkin Lymphoma	0.4 (0.2-0.5)	¥	¥	0	¥	¥	¥	0	0	0	0	0	0	0	0	¥	0	0	¥
Eye and Orbit Ca.	¥	¥	¥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kaposi Sarcoma	¥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Malignant Cancer	13.3 (12.5-14.0)	16.8 (15.0-18.6)	19.0 (14.3-23.8)	16.3 (10.6-21.9)	10.5 (7.1-14.0)	15.7 (11.4-20.1)	18.0 (13.6-22.4)	24.1 (15.6-32.6)	18.8 (9.6-28.0)	22.4 (10.7-34.2)	¥	30.6 (13.3-47.9)	¥	¥	¥	¥	¥	¥	16.5 (14.6-18.5)

* Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

CANCER INCIDENCE

INVASIVE CANCER INCIDENCE TREND TOTAL POPULATION

Figure 14: All Cancers Incidence Trend, Age-Adjusted Rates*, Nevada vs. United States, 1995-2012.

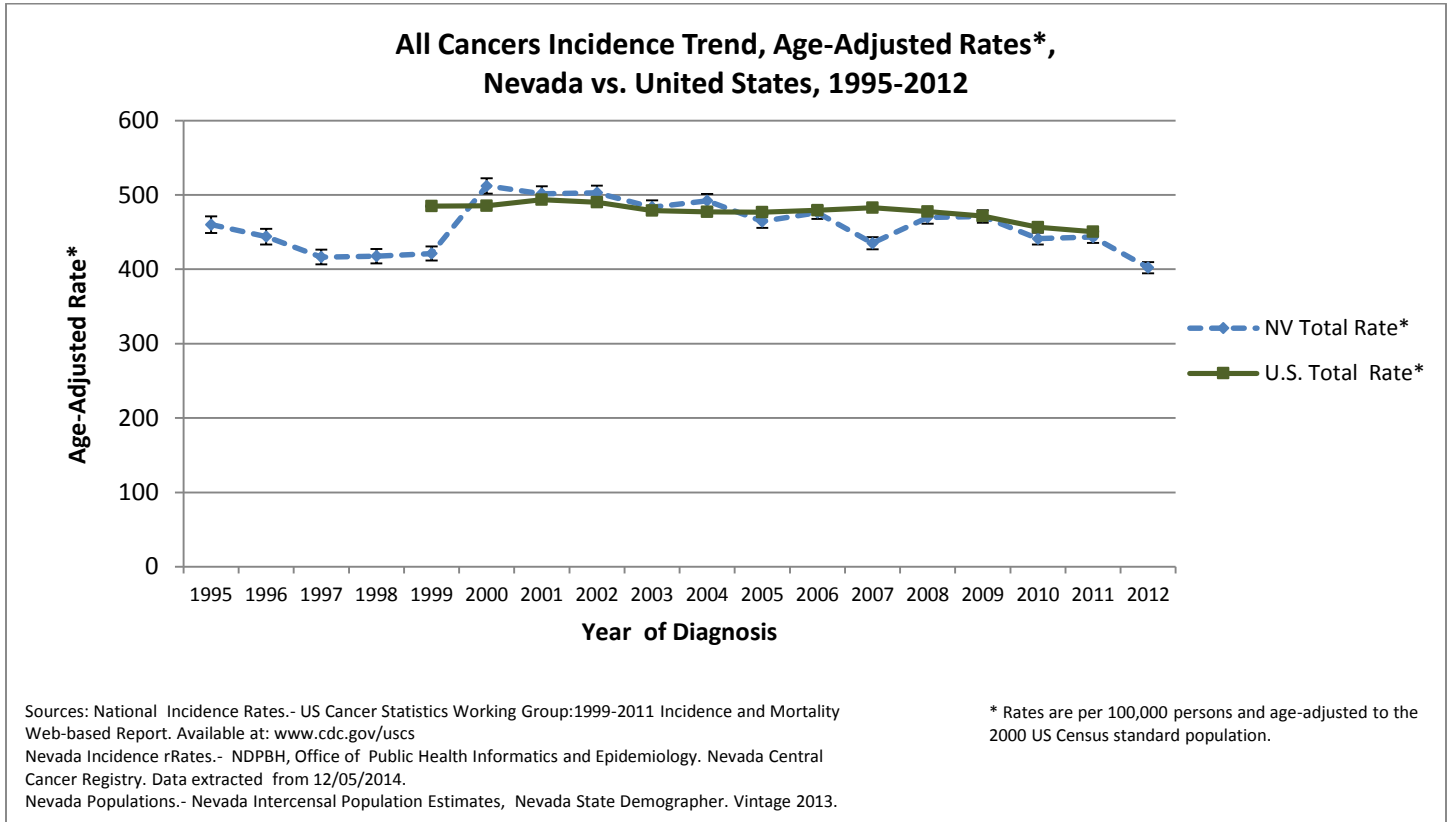


Table 19: All Cancers Incidence Age-Adjusted Rates* by year, Nevada and United States, 1995-2012.

	1995	1996	1997	1998	1999	2000	2001	2002	2003
Nevada	460.1 (449.0-471.2)	444.0 (433.4-454.6)	416.5 (406.5-426.6)	417.8 (408.1-427.5)	421.2 (411.7-430.7)	512.1 (501.8-522.3)	501.7 (491.8-511.7)	503.0 (493.3-512.7)	483.5 (474.1-492.8)
United States					485.1 (484.3-486.0)	485.5 (484.6-486.3)	493.4 (492.6-494.3)	490.2 (489.4-491.1)	479.0 (478.2-479.8)

	2004	2005	2006	2007	2008	2009	2010	2011	2012
Nevada	492.1 (482.9-501.3)	464.5 (455.7-473.2)	476.3 (467.6-485)	435.2 (427-443.3)	469.8 (461.5-478.1)	471.1 (462.8-479.3)	441.2 (433.3-449.1)	443.3 (435.5-451.2)	402.2 (394.8-409.6)
United States	477.2 (476.4-478.0)	476.9 (476.1-477.7)	479.3 (478.5-480.1)	482.7 (481.9-483.4)	477.8 (477.0-478.5)	471.5 (470.7-472.2)	456.7 (456.0-457.1)	450.6 (449.9-451.3)	

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

CANCER INCIDENCE TOP FIVE CAUSES, TOTAL POPULATION

Table 20: Top Five Cancer Causes of Incidence by year (annual and five year period), Age-Adjusted Rates*, Nevada, 2008-2012.

Nevada Top Five Type of Cancer Incidence (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2008-2012												
TYPE OF CANCER	2008		2009		2010		2011		2012		2008-2012	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Prostate (Male Only)	1,781	141.1	1,978	152.3	1,696	127.8	1,721	126.6	1,276	90.7	8,452	127.1
Breast (Female Only)	1,553	114.4	1,642	117.1	1,597	112.3	1,650	112.6	1,655	111.5	8,097	113.6
Lung and Bronchus	1,783	70.0	1,711	64.7	1,645	61.7	1,742	63.8	1,678	60.1	8,559	64.0
Colorectal	1,123	44.2	1,138	43.7	1,123	41.7	1,152	42.4	1,083	39.1	5,619	42.2
Urinary Bladder	613	24.2	626	24.6	572	22.2	571	21.4	580	21.2	2,962	22.7

Order: By 2008-2012 Overall Age-Adjusted Rates

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

Table 21: Cancer Causes of Incidence by year (annual and five year period), Age-Adjusted Rates*, United States, 2007-2011.

United States Type of Cancer Incidence (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2007-2011												
TYPE OF CANCER	2007		2008		2009		2010		2011		2007-2011	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Prostate (Male Only)		163.2		150.1		141.5		131.1		128.3		142.5
Breast (Female Only)		122.8		123.8		124.7		120.3		122.0		122.8
Lung and Bronchus		67.8		67.1		65.7		63.1		61.0		64.9
Colorectal		46.9		45.6		43.4		41.1		39.9		43.3
Urinary Bladder		21.5		21.3		21.1		20.6		20.2		20.9

Order: By 2008-2012 Overall Age-Adjusted Rates

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

Notice: Most up-to-date data available for United States Cancer mortality is 2007-2011 and must be carefully compared.

CANCER INCIDENCE TREND BY GENDER

Figure 15: All Cancers Incidence Trend by Gender, Nevada vs. United States, 1995-2012.

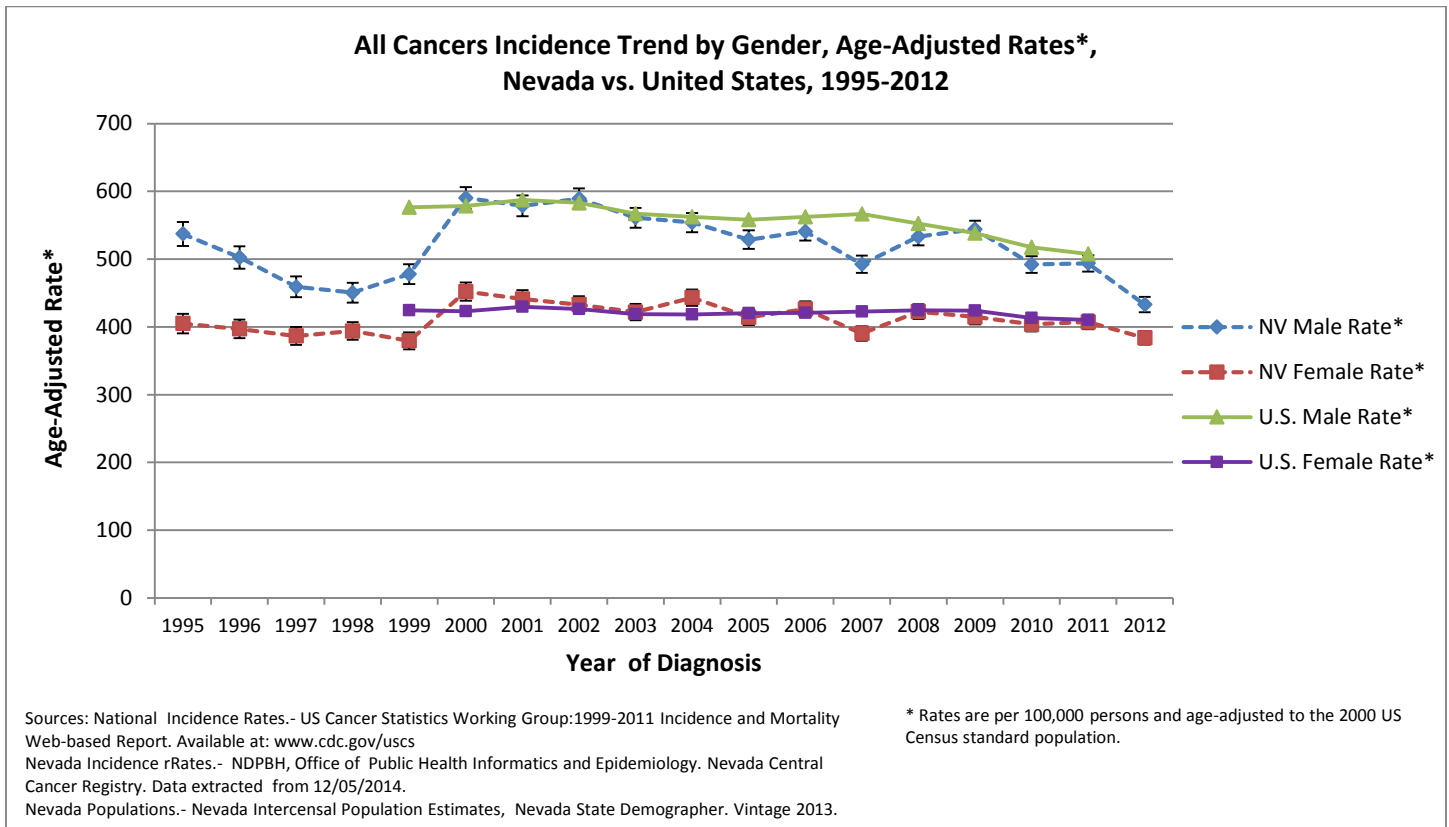


Table 22: All Cancers Incidence Age-Adjusted Rates* by year, Nevada and United States, 1995-2012.

	1995	1996	1997	1998	1999	2000	2001	2002	2003
Nevada Male	537.2 (519.6-554.8)	502.5 (486.1-518.9)	459.1 (443.8-474.5)	450.6 (436.0-465.3)	477.9 (463.1-492.7)	590.3 (574.3-606.4)	578.7 (563.2-594.2)	589.1 (573.8-604.4)	561.2 (546.5-575.8)
Nevada Female	404.9 (390.5-419.3)	397.0 (383.2-410.9)	386.6 (373.3-400.0)	394.0 (380.9-407.1)	379.5 (366.9-392.0)	452.0 (438.7-465.4)	441.2 (428.3-454.1)	432.8 (420.3-445.3)	421.8 (409.7-433.8)
United States Male					576.6 (575.2-578.1)	578.2 (576.8-579.6)	587.2 (585.8-588.7)	583.3 (581.9-584.7)	567.1 (565.8-568.4)
United States Female					424.4 (423.4-425.5)	423.2 (422.1-424.2)	429.7 (428.7-430.8)	426.3 (425.2-427.3)	418.6 (417.6-419.6)

	2004	2005	2006	2007	2008	2009	2010	2011	2012
Nevada Male	553.9 (539.6-568.1)	528.8 (515.2-542.4)	540.8 (527.3-554.3)	492.4 (479.8-505.0)	533.3 (520.4-546.2)	544.0 (531.1-556.9)	492.1 (479.9-504.2)	493.8 (481.7-505.9)	432.9 (421.7-444.1)
Nevada Female	443.3 (431.2-455.4)	414.1 (402.6-425.5)	426.2 (414.8-437.6)	390.3 (379.6-400.9)	422.5 (411.5-433.5)	414.6 (403.9-425.3)	403.9 (393.4-414.4)	407.2 (396.8-417.6)	383.7 (373.7-393.6)
United States Male	562.2 (560.9-563.5)	558.2 (557.0-559.5)	562.3 (561.0-563.6)	566.7 (565.4-567.9)	552.6 (551.3-553.8)	538.2 (537.0-539.4)	517.7 (516.6-518.9)	507.5 (506.3-508.6)	
United States Female	418.4 (417.4-419.4)	420.2 (419.2-421.2)	420.6 (419.6-421.6)	422.4 (421.4-423.4)	424.4 (423.4-425.4)	424.0 (423.1-425.0)	413.3 (412.4-414.3)	410.3 (409.3-411.2)	

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

ALL CANCERS INCIDENCE RATES BY GENDER, 2008-2012

Figure 16: All Cancers Incidence (Cumulative Annual 5 years period) Age-Adjusted Rates* by Gender, Nevada vs. United States.

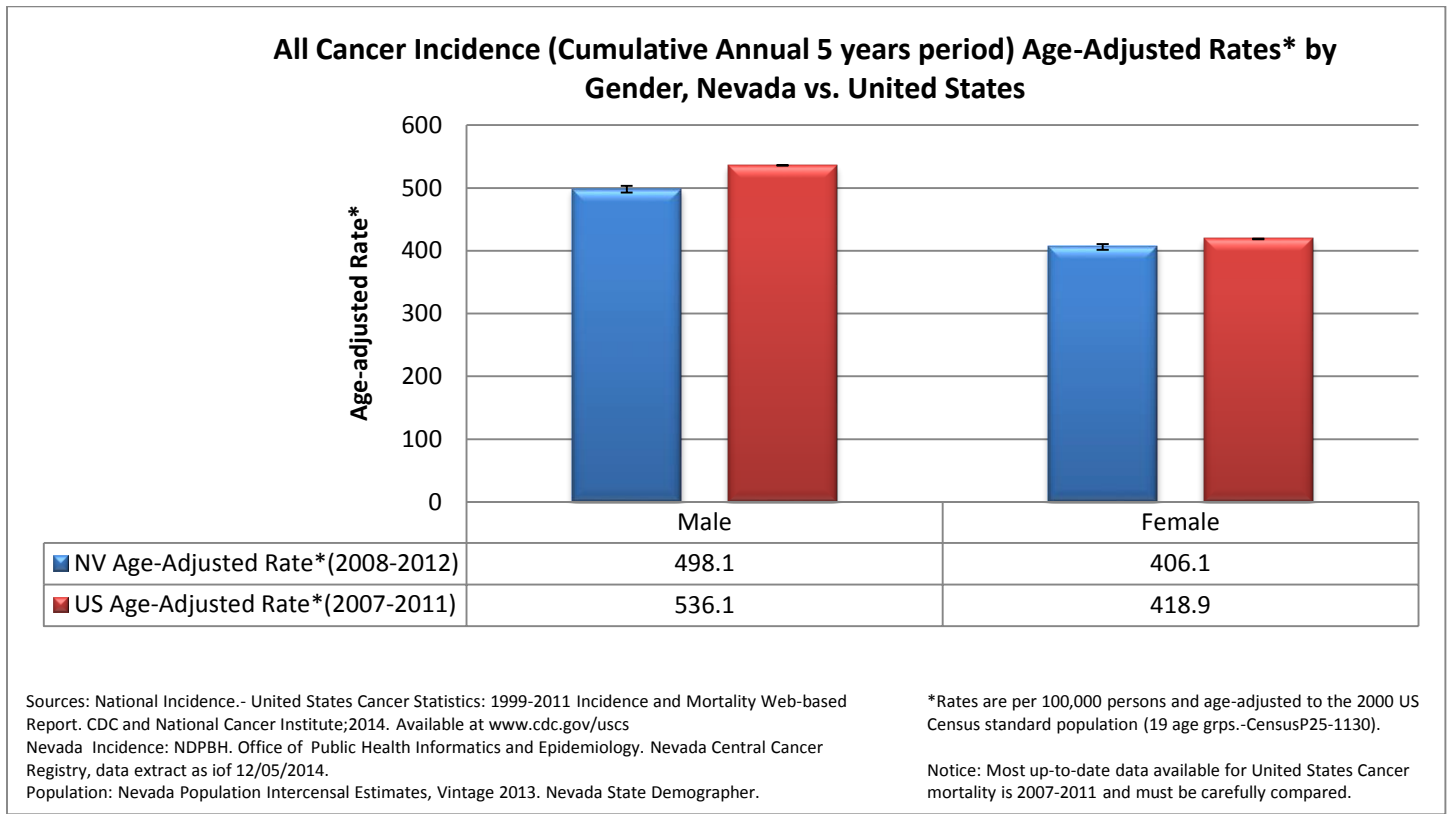


Table 23: All Cancers Incidence by Region and Gender. Cumulative Annual Age-Adjusted Rates* Nevada Geo-demographical Regions.

All Cancer Incidence (All Ages, All Races) by Gender - Age-Adjusted Rates*, Nevada, 2008-2012 (Regions ordered by population size)				
Gender	Clark	Washoe	Carson City	Rural
Male	495.1 (488.5-501.6)	512.7 (498.4-527)	597.9 (557.4-638.3)	474.8 (460.1-489.6)
Female	397.0 (391.4-402.5)	447.3 (434.6-459.9)	476.3 (443.7-508.8)	387.7 (374.5-401.0)
All Genders	437.7 (433.5-441.9)	473.6 (464.2-483.0)	523.9 (498.7-549.1)	428.2 (418.3-438.0)

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

TOP FIVE CANCER INCIDENCE CAUSES BY GENDER, 2008-2012

Table 24: Top Five Causes of Cancer Incidence, Age-Adjusted Rates* by Gender and year (annual and five year period), Nevada and United States.

Nevada Top Five Male Type of Cancer Incidence (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2008-2012												
TYPE OF CANCER	2008		2009		2010		2011		2012		2008-2012	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Prostate (Male Only)	1,781	141.1	1,978	152.3	1,696	127.8	1,721	126.6	1,276	90.7	8,452	127.1
Lung and Bronchus	928	79.7	850	69.7	863	70.0	887	70.5	870	68.7	4,398	71.7
Colorectal	615	51.1	682	56.1	608	47.9	613	47.9	603	46.3	3,121	49.8
Urinary Bladder	478	41.0	468	40.2	434	37.6	445	36.9	435	35.4	2,260	38.2
Non-Hodgkin Lymphoma	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	1,249	19.7

United States Male Type of Cancer Incidence (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2007-2011**												
TYPE OF CANCER	2007		2008		2009		2010		2011		2007-2011	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Prostate (Male Only)		163.2		150.1		141.5		131.1		128.3		142.5
Lung and Bronchus		83.3		81.7		79.6		75.9		73.0		78.6
Colorectal		54.4		52.9		50.0		47.3		46.1		50.0
Urinary Bladder		37.7		37.5		37.1		36.2		35.1		36.7
Melanoma of Skin		24.6		25.3		25.4		24.8		25.3		25.1

Nevada Top Five Female Type of Cancer Incidence (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2008-2012												
TYPE OF CANCER	2008		2009		2010		2011		2012		2008-2012	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Breast (Female Only)	1,553	114.4	1,642	117.1	1,597	112.3	1,650	112.6	1,655	111.5	8,097	113.6
Lung and Bronchus	854	62.7	861	60.9	782	55.0	855	58.6	808	53.8	4,160	58.1
Colorectal	506	38.1	456	33.2	515	36.3	539	37.5	480	32.8	2,496	35.6
Thyroid Gland	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	1,678	24.7
Corpus Uteri and Uterus NOS	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	1,410	19.1

United States Female Type of Cancer Incidence (All Ages, All Races) by Year - Counts/Age-Adjusted Rates*, 2007-2011**												
TYPE OF CANCER	2007		2008		2009		2010		2011		2007-2011	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Breast (Female Only)		122.8		123.8		124.7		120.3		122.0		122.8
Lung and Bronchus		54.6		56.2		55.4		53.5		52.0		54.6
Colorectal		37.8		39.7		37.9		36.1		34.9		37.8
Corpus Uteri and Uterus NOS		25.0		24.7		25.3		25.3		25.4		25.0
Thyroid Gland		19.3		18.9		19.9		20.1		20.5		19.3

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

**Most up-to-date data available for United States Cancer Mortality is 2007-2011 and must be carefully compared.

‡ Values were not calculated for specified types of cancer.

Table 25: 25 Leading Cancer Incidence Causes by Gender, Age-Adjusted Rates*, Nevada, 2008-2012.

25 Leading Causes of Cancer Incidence by Gender - Counts/Age-Adjusted Rates*, 2008-2012					
TYPE OF CANCER	MALE		TYPE OF CANCER	FEMALE	
	Counts	Age-Adj. Rate*		Counts	Age-Adj. Rate*
Prostate (Male Only)	8,452	127.1	Breast (Female Only)	8,097	113.6
Lung and Bronchus	4,398	71.7	Lung and Bronchus	4,160	58.1
Colorectal	3,121	49.8	Colorectal	2,496	35.6
Urinary Bladder	2,260	38.2	Thyroid Gland	1,678	24.7
Non-Hodgkin Lymphoma	1,249	19.7	Corpus Uteri and Uterus NOS (Female Only)	1,410	19.1
Kidney and Renal Pelvis	1,206	18.2	Non-Hodgkin Lymphoma	1,002	14.2
Melanoma of the Skin	1,122	17.8	Brain and Other Central Nervous System	971	13.9
Leukemia	1,082	17.7	Melanoma of the Skin	813	11.7
Lip, Oral Cavity and Pharynx	1,081	15.8	Ovary (Female Only)	758	10.6
Pancreas	841	13.5	Urinary Bladder	701	10.0
Brain and Other Central Nervous System	792	12.2	Kidney and Renal Pelvis	712	10.0
Esophagus	611	9.5	Leukemia	696	10.0
Liver and Intrahepatic Bile Ducts	623	9.1	Pancreas	716	10.0
Stomach	474	7.6	Cervix Uteri (Female Only)	517	7.6
Thyroid Gland	489	7.1	Lip, Oral Cavity and Pharynx	393	5.4
Myeloma	347	5.4	Stomach	290	4.2
Larynx	327	4.8	Liver and Intrahepatic Bile Ducts	259	3.6
Testis (Male Only)	315	4.5	Myeloma	253	3.6
Connective, Subcutaneous, and Other Soft Tissues	230	3.6	Connective, Subcutaneous, and Other Soft Tissues	172	2.5
Hodgkin Lymphoma	164	2.4	Esophagus	140	1.9
Other Non-Epithelial Skin	113	2.0	Hodgkin Lymphoma	128	1.9
			Larynx	76	1.1
			Other Non-Epithelial Skin	74	1.1
All Other Sites	2,381	38.9	All Other Sites	2,214	31.6

* Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

‡ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

CANCER INCIDENCE TREND BY RACE/ETHNICITY

Figure 17: All Cancers Incidence Trend by Race/Ethnicity, Confidence Intervals, Age-Adjusted Rates*, Nevada, 1995-2012.

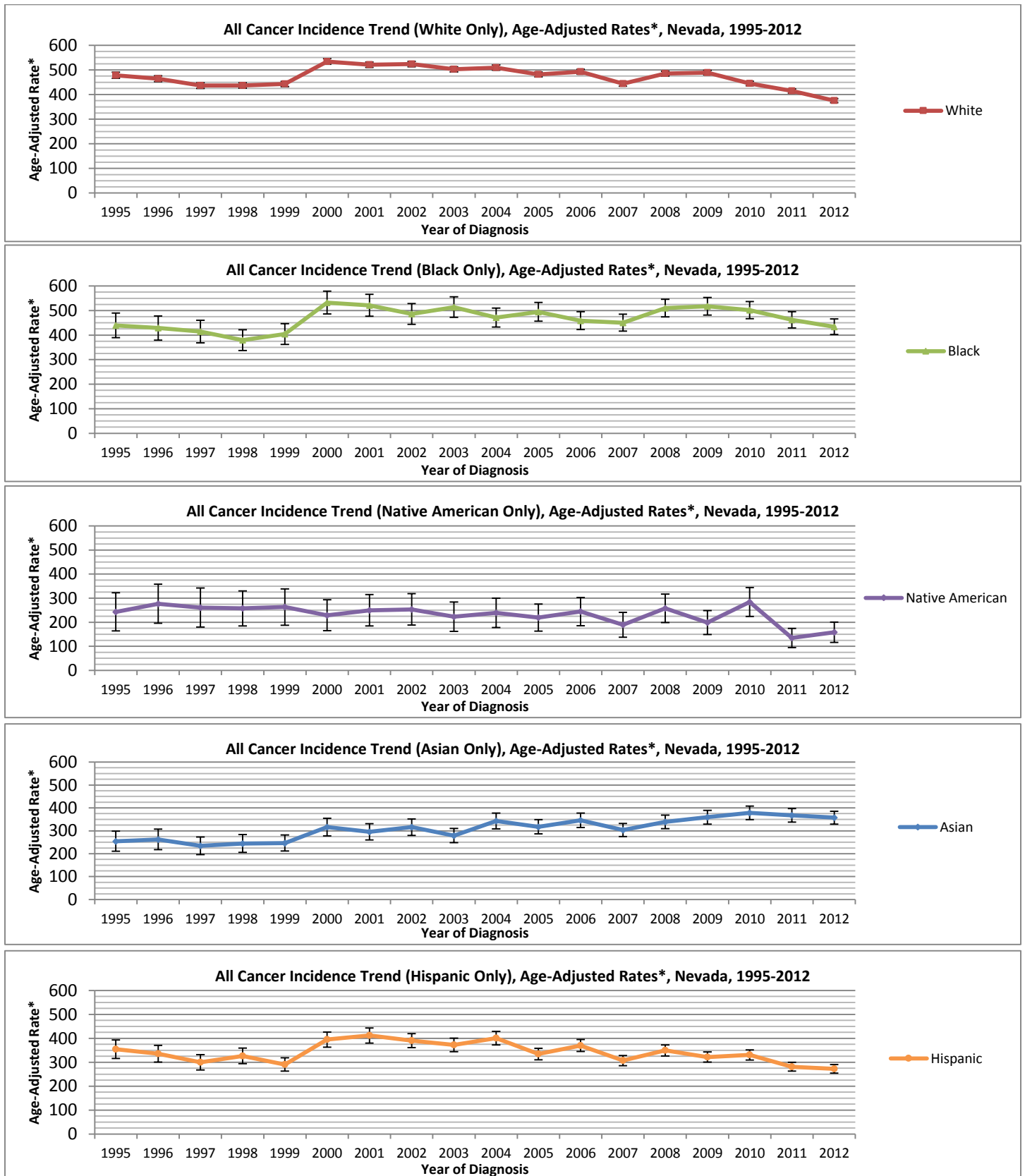


Figure 18: All Cancers Incidence Trend by Race/Ethnicity, Age-Adjusted Rates*, United States, 1999-2011.

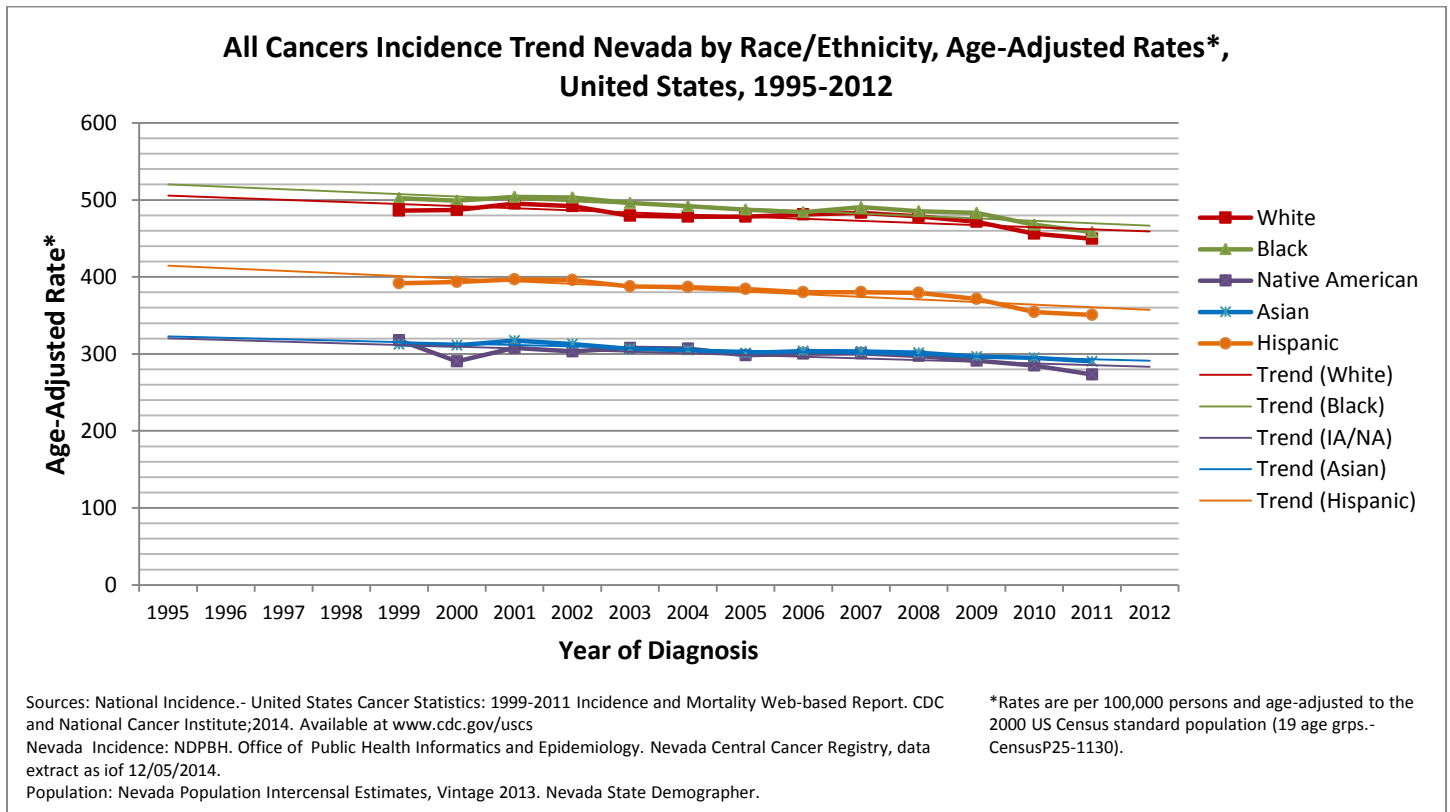


Table 26: All Cancers Incidence Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada, 1995-2012

Nevada	1995	1996	1997	1998	1999	2000	2001	2002	2003
White	478.4 (466.1-490.7)	464.0 (452.2-475.8)	436.4 (425.2-447.7)	436.8 (425.8-447.7)	442.8 (432.0-453.6)	534.1 (522.5-545.7)	521.3 (510.0-532.5)	523.7 (512.7-534.8)	502.6 (491.9-513.2)
Black	439.4 (389.1-489.6)	428.9 (379.6-478.2)	414.4 (368.3-460.5)	379.1 (336.8-421.5)	404.0 (361.8-446.2)	532.5 (486.3-578.8)	521.4 (476.7-566.1)	486.2 (444.2-528.2)	514.1 (472.4-555.8)
Native American	243.0 (163.6-322.4)	276.9 (196.0-357.8)	261.0 (180.1-341.9)	257.4 (184.6-330.3)	263.1 (187.9-338.3)	229.1 (164.9-293.2)	249.7 (184.3-315.1)	253.5 (188.3-318.8)	223.2 (162.5-283.8)
Asian	254.5 (210.9-298.1)	262.5 (217.6-307.5)	234.6 (195.7-273.4)	244.8 (205.6-284.0)	246.6 (211.7-281.4)	316.2 (277.5-354.9)	295.4 (260.1-330.7)	315.9 (280.2-351.6)	279.1 (248.0-310.3)
Hispanic	354.6 (316.3-393.0)	335.7 (300.3-371.0)	299.7 (267.5-331.9)	326.5 (293.8-359.1)	290.6 (262.7-318.4)	394.7 (362.7-426.7)	411.9 (380.0-443.7)	390.4 (360.9-419.9)	372.3 (343.8-400.8)

Nevada	2004	2005	2006	2007	2008	2009	2010	2011	2012
White	509.3 (498.8-519.9)	481.4 (471.3-491.4)	492.4 (482.4-502.4)	443.7 (434.4-453)	485.0 (475.3-494.6)	489.0 (479.4-498.6)	444.9 (435.8-454.0)	414.4 (405.6-423.1)	375.1 (366.9-383.4)
Black	471.7 (433.1-510.4)	494.8 (456.3-533.4)	458.8 (422.7-495.0)	450.6 (415.9-485.3)	510.1 (474.0-546.3)	517.1 (481.3-552.9)	501.4 (466.5-536.4)	462.2 (428.9-495.4)	433.8 (402.1-465.5)
Native American	238.8 (177.8-299.7)	219.3 (163.4-275.3)	244.3 (185.4-303.3)	189.1 (137.7-240.5)	258.2 (198.9-317.4)	198.8 (149.3-248.3)	283.9 (223.9-343.9)	134.5 (94.3-174.7)	158.4 (116.6-200.3)
Asian	342.7 (308.1-377.2)	317.7 (286.5-348.9)	345.7 (314.3-377.1)	303.3 (274.9-331.7)	339.3 (309.6-369.0)	359.3 (329.5-389.1)	378.3 (348.4-408.2)	367.3 (337.9-396.8)	357.5 (329.4-385.6)
Hispanic	400.7 (372.7-428.7)	334.5 (310.4-358.6)	370.1 (345.2-395.0)	307.0 (285.7-328.2)	349.5 (326.4-372.6)	321.7 (300.3-343.1)	330.8 (309.6-352.0)	281.4 (262.7-300.0)	272.5 (254.3-290.8)

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

Table 27: All Cancers Incidence Annual Age-Adjusted Rates* by Race/Ethnicity, United States, 1999-2011.

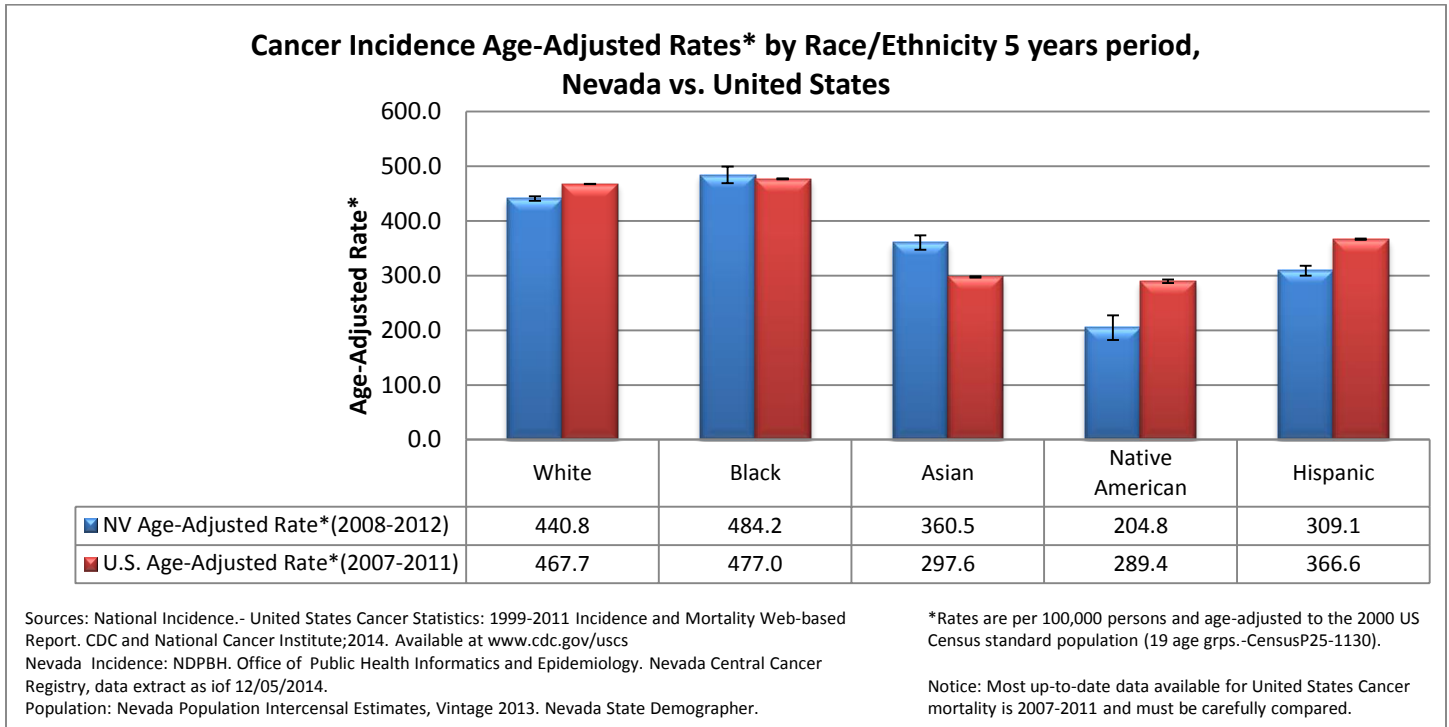
United States	1995	1996	1997	1998	1999	2000	2001	2002	2003
White					486.3 (485.3-487.2)	487.1 (486.2-488.0)	495.4 (494.5-496.3)	491.9 (491.0-492.8)	479.5 (478.7-480.4)
Black					502.3 (499.3-505.3)	498.8 (495.9-501.8)	504.1 (501.1-507.0)	503.0 (500.1-505.9)	496.3 (493.7-499.0)
Native American					317.7 (307.8-327.8)	290.3 (281.4-299.4)	307.9 (298.9-317.0)	303.1 (294.4-311.9)	307.7 (299.3-316.4)
Asian					312.4 (308.2-316.6)	311.1 (307.1-315.2)	317.4 (313.5-321.4)	312.9 (309.1-316.7)	306.6 (303.0-310.2)
Hispanic					391.9 (388.7-395.2)	393.4 (390.3-396.6)	396.7 (393.7-399.8)	395.9 (392.9-398.9)	387.8 (384.9-390.6)

United States	2004	2005	2006	2007	2008	2009	2010	2011	2012
White	478.2 (477.4-479.1)	478.4 (477.6-479.3)	481.3 (480.5-482.1)	483.2 (482.4-484.1)	478.8 (477.9-479.6)	471.5 (470.7-472.4)	456.3 (455.5-457.1)	449.7 (448.9-450.2)	
Black	491.9 (489.3-494.5)	487.3 (484.7-489.8)	484.2 (481.7-486.7)	490.7 (488.2-493.2)	485.2 (482.8-487.7)	483.3 (480.9-485.7)	468.0 (465.6-470.3)	458.3 (456.0-460.6)	
Native American	307.0 (298.8-315.4)	298.2 (290.3-306.2)	300.2 (295.9-311.8)	300.7 (293.1-308.4)	297.6 (290.3-305.1)	291.1 (284.1-298.2)	284.8 (278.0-291.7)	273.4 (266.8-280.0)	
Asian	304.8 (301.4-308.3)	301.2 (297.9-304.6)	303.8 (296.9-303.4)	303.4 (300.2-306.6)	301.5 (298.4-304.6)	296.5 (293.5-299.5)	294.9 (292.1-297.9)	290.4 (287.6-293.3)	
Hispanic	386.7 (383.9-389.5)	384.1 (381.4-386.8)	380.2 (377.6-382.8)	380.0 (377.4-382.5)	379.2 (376.7-381.7)	371.3 (368.9-373.7)	354.3 (352.0-356.5)	350.6 (348.4-352.9)	

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

CANCER INCIDENCE RATES BY RACE/ETHNICITY, 2008-2012

Figure 19: All Cancers Incidence (Cumulative Annual 5 years period) Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States.



ALL CANCERS INCIDENCE BY REGION, BY RACE/ETHNICITY IN NEVADA, 2008-2012

Figure 20: All Cancers Incidence by Region and by Race/Ethnicity, Age-Adjusted Rates*, Nevada Geo-demographical Regions, 2008-2012.

Cancer Incidence (All Ages) by Races - Age-Adjusted Rates*, Nevada, 2008-2012 (Regions ordered by population size)				
Race/Ethnicity	Clark	Washoe	Carson City	Rural Counties
White	423.2 (418.3-428)	497.9 (487.2-508.5)	544.4 (517.1-571.6)	435.1 (424.6-445.6)
Black	485.0 (469.1-500.9)	467.5 (396.6-538.4)	818.9 (373.8-1,264.1)	504.4 (377.8-631.0)
Native American	121.6 (95.7-147.4)	258.9 (204.5-313.3)	407.8 (233.4-582.2)	263.3 (217.3-309.3)
Asian	377.2 (362.5-391.9)	293.8 (261.2-326.5)	299.2 (142.4-455.9)	217.2 (157.0-277.3)
Hispanic	322.2 (311.6-332.7)	267.2 (243.8-290.6)	248.3 (186.0-310.6)	256.6 (225.1-288.1)
All Races/Ethnicities	437.7 (433.5-441.9)	473.6 (464.2-483.0)	523.9 (498.7-549.1)	428.2 (418.3-438.0)

‡ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

* Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

LEADING CAUSES OF CANCER INCIDENCE BY RACE/ETHNICITY, AGE-ADJUSTED RATES* IN NEVADA, 2008-2012

Table 28: 25 Leading Causes of Cancer Incidence by Race/Ethnicity, Age-Adjusted Rates*, 2008-2012.

25 Leading Causes of Cancer Incidence by Race & Ethnicity - Counts/Age-Adjusted Rates*, Nevada, 2008-2012														
TYPE OF CANCER	White		TYPE OF CANCER	Black		TYPE OF CANCER	IA/AI		TYPE OF CANCER	Asian		TYPE OF CANCER	Hispanic	
	Num	AAR*		Num	AAR*		Num	AAR*		Num	AAR*		Num	AAR*
Breast (Female Only)	6,136	116.7	Prostate (Male Only)	550	148.8	Breast (Female Only)	42	48.9	Breast (Female Only)	496	98.1	Prostate (Male Only)	459	84.7
Prostate (Male Only)	5,525	104.3	Breast (Female Only)	565	131.7	Prostate (Male Only)	30	45.8	Prostate (Male Only)	206	65.8	Breast (Female Only)	627	71.1
Lung and Bronchus	7,147	67.3	Lung and Bronchus	532	70.4	Lung and Bronchus	46	32.2	Colorectal	354	45.4	Lung and Bronchus	350	35.3
Colorectal	4,211	40.9	Colorectal	457	58.4	Colorectal	41	28.0	Lung and Bronchus	343	44.5	Colorectal	402	33.2
Urinary Bladder	2,524	24.3	Corpus Uteri and Uterus NOS (Female Only)	85	19.4	Pancreas	17	10.4	Thyroid Gland	230	25.3	Urinary Bladder	112	11.5
Corpus Uteri and Uterus NOS (Female Only)	1,038	18.9	Brain and Other Central Nervous System	134	16.7	Kidney and Renal Pelvis	15	9.7	Corpus Uteri and Uterus NOS (Female Only)	103	19.4	Corpus Uteri and Uterus NOS (Female Only)	134	15.7
Melanoma of the Skin	1,772	18.0	Pancreas	116	15.8	Thyroid Gland	14	8.2	Liver and Intrahepatic Bile Ducts	111	14.0	Non-Hodgkin Lymphoma	190	14.0
Non-Hodgkin Lymphoma	1,646	16.3	Kidney and Renal Pelvis	121	14.7	Corpus Uteri and Uterus NOS (Female Only)	10	¥	Brain and Other Central Nervous System	104	13.1	Thyroid Gland	283	12.1
Thyroid Gland	1,429	15.8	Non-Hodgkin Lymphoma	117	14.6	Liver and Intrahepatic Bile Ducts	10	¥	Non-Hodgkin Lymphoma	98	13.0	Melanoma of the Skin	33	2.7
Kidney and Renal Pelvis	1,485	14.4	Urinary Bladder	102	14.3	Non-Hodgkin Lymphoma	9	¥	Stomach	84	11.3	Kidney and Renal Pelvis	198	11.8
Brain and Other Central Nervous System	1,298	13.3	Thyroid Gland	103	12.1	Lip, Oral Cavity and Pharynx	9	¥	Ovary (Female Only)	55	10.5	Leukemia	193	9.7
Leukemia	1,214	12.5	Leukemia	83	10.7	Urinary Bladder	8	¥	Pancreas	77	10.3	Brain and Other Central Nervous System	182	10.5
Pancreas	1,225	11.6	Stomach	74	10.1	Brain and Other Central Nervous System	8	¥	Leukemia	76	9.5	Pancreas	108	9.4
Lip, Oral Cavity and Pharynx	1,181	11.1	Cervix Uteri (Female Only)	43	9.8	Cervix Uteri (Female Only)	8	¥	Kidney and Renal Pelvis	76	9.3	Ovary (Female Only)	82	10.7
Ovary (Female Only)	568	10.7	Liver and Intrahepatic Bile Ducts	81	9.7	Melanoma of the Skin	¥	¥	Urinary Bladder	56	8.6	Lip, Oral Cavity and Pharynx	71	4.8
Cervix Uteri (Female Only)	333	7.5	Myeloma	62	8.3	Leukemia	¥	¥	Lip, Oral Cavity and Pharynx	66	8.0	Cervix Uteri (Female Only)	87	7.9
Esophagus	628	5.9	Ovary (Female Only)	33	8.0	Ovary (Female Only)	¥	¥	Cervix Uteri (Female Only)	36	7.0	Liver and Intrahepatic Bile Ducts	104	7.8
Testis (Male Only)	214	5.5	Lip, Oral Cavity and Pharynx	68	8.0	Stomach	¥	¥	Esophagus	24	3.1	Stomach	119	10.2
Liver and Intrahepatic Bile Ducts	563	5.2	Esophagus	45	6.1	Esophagus	¥	¥	Connective, Subcutaneous, and Other Soft Tissues	25	2.9	Esophagus	42	3.0
Stomach	463	4.5	Larynx	30	3.7	Myeloma	¥	¥	Myeloma	18	2.4	Myeloma	56	4.5
Myeloma	419	4.0	Connective, Subcutaneous, and Other Soft Tissues	23	2.7	Testis (Male Only)	¥	¥	Hodgkin Lymphoma	13	1.5	Testis (Male Only)	69	3.4
Connective, Subcutaneous, Other Soft Tissues	300	3.1	Hodgkin Lymphoma	20	2.2	Larynx	¥	¥	Melanoma of the Skin	10	¥	Larynx	21	1.7
Larynx	328	3.0	Melanoma of the Skin	6	¥	Connective, Subcutaneous, and Other Soft Tissues	¥	¥	Larynx	8	¥	Connective, Subcutaneous, and Other Soft Tissues	36	1.8
Hodgkin Lymphoma	209	2.5	Testis (Male Only)	¥	¥	Hodgkin Lymphoma	¥	¥	Other Non-Epithelial Skin	7	¥	Hodgkin Lymphoma	39	1.5
Other Non-Epithelial Skin	151	1.6	Other Non-Epithelial Skin	¥	¥	Other Non-Epithelial Skin	¥	¥	Testis (Male Only)	¥	¥	Other Non-Epithelial Skin	11	¥
All Other Sites	3,415	34.0	All Other Sites	349	45.4	All Other Sites	25	13.7	All Other Sites	209	29.6	All Other Sites	397	28.4

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

ALL CANCER INCIDENCE TREND BY AGE GROUPS, 1995-2012

Figure 21: All Cancers Incidence Trend by Age Groups, Age-Adjusted Rates*, Nevada, 1995-2012.

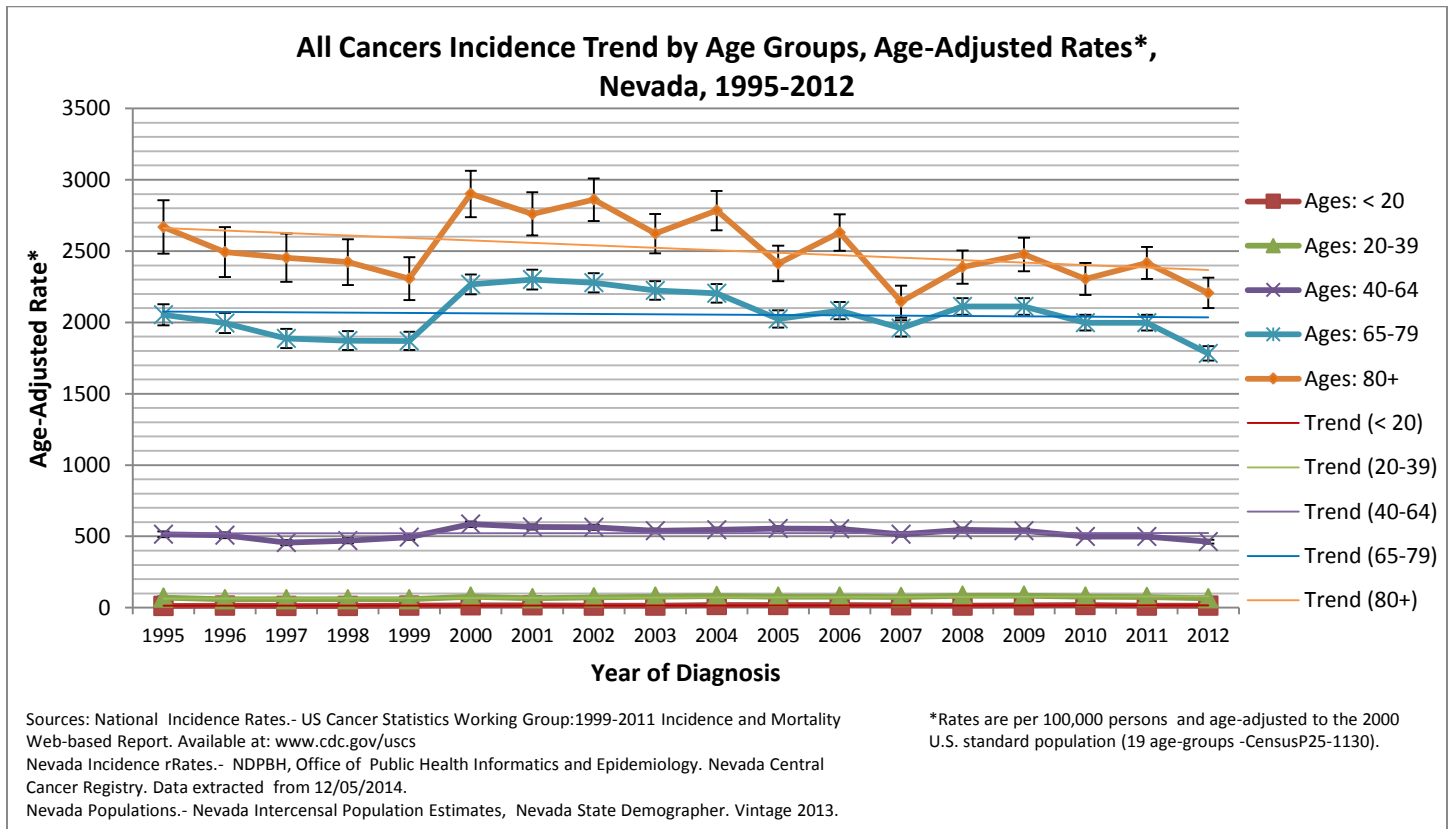


Table 29: All Cancers Incidence Annual Age-Adjusted Rates* by Age Groups, Nevada, 1995-2012.

Nevada	1995	1996	1997	1998	1999	2000	2001	2002	2003
Ages: <20	12.2 (9.03-15.4)	14.1 (10.8-17.5)	12.8 (9.7-15.9)	12.2 (9.2-15.1)	13.8 (10.7-16.9)	16.4 (13.1-19.7)	17.0 (13.6-20.3)	14.9 (11.8-18.0)	13.4 (10.5-16.2)
Ages: 20-39	70.9 (63.5-78.2)	59.4 (52.8-66.0)	58.5 (52.2-65.0)	58.6 (52.3-64.9)	58.4 (52.1-64.6)	77.8 (70.7-84.8)	66.7 (60.2-73.2)	72.0 (65.3-78.6)	76.2 (69.4-83.0)
Ages: 40-64	515.2 (494.8-535.6)	507.9 (488.3-527.5)	457.0 (438.9-475.0)	469.4 (451.7-487.1)	493.0 (475.4-510.6)	585.1 (566.4-603.8)	565.7 (547.7-583.6)	563.1 (545.6-580.6)	538.7 (522.0-555.4)
Ages: 65-79	2,052.3 (1,978.3-2,126.3)	1,995.6 (1,924.5-2,066.2)	1,887.6 (1,819.9-1,955.3)	1,872.7 (1,806.9-1,938.4)	1,870.2 (1,805.7-1,934.8)	2,265.9 (2,196.2-2,335.5)	2,300.5 (2,231.5-2,369.5)	2,277.1 (2,209.4-2,344.8)	2,223.8 (2,157.8-2,289.7)
Ages: 80+	2,668.4 (2,481.0-2,855.8)	2,492.8 (2,317.5-2,668.1)	2,453.4 (2,284.4-2,622.3)	2,423.1 (2,262.9-2,583.4)	2,306.1 (2,155.9-2,456.4)	2,901.2 (2,738.3-3,064.0)	2,760.8 (2,608.8-2,912.7)	2,860.3 (2,710.9-3,009.8)	2,622.7 (2,484.4-2,761.0)

Nevada	2004	2005	2006	2007	2008	2009	2010	2011	2012
Ages: <20	19.2 (15.8-22.5)	18.3 (15.1-21.5)	18.5 (15.4-21.7)	15.4 (12.6-18.2)	14.4 (11.7-17.1)	16.5 (13.6-19.4)	18.5 (15.5-21.6)	15.0 (12.2-17.8)	14.3 (11.6-17.0)
Ages: 20-39	80.6 (73.7-87.5)	76.9 (70.2-83.5)	75.7 (69.2-82.2)	73.8 (67.5-80.2)	84.1 (77.3-90.8)	83.2 (76.6-89.8)	76.0 (69.7-82.3)	73.8 (67.6-80.1)	64.9 (59.1-70.8)
Ages: 40-64	546.1 (529.7-562.5)	555.1 (538.9-571.3)	553.2 (537.3-569.0)	513.7 (498.7-528.7)	545.8 (530.6-561.0)	538.8 (523.9-553.7)	498.9 (484.6-513.1)	499.0 (484.9-513.1)	461.7 (448.2-475.2)
Ages: 65-79	2,203.6 (2,139.1-2,268.0)	2,023.9 (1,963.2-2,084.6)	2,081.9 (2,021.5-2,142.3)	1,958.4 (1,900.9-2,016.0)	2,111.2 (2,052.5-2,169.9)	2,111.6 (2,053.8-2,169.4)	1,998.0 (1,942.3-2,053.6)	1,998.0 (1,943.0-2,053.1)	1,782.4 (1,731.5-1,833.3)
Ages: 80+	2,783.7 (2,645.8-2,921.6)	2,412.6 (2,288.3-2,537.0)	2,630.0 (2,503.1-2,757.0)	2,145.0 (2,032.5-2,257.5)	2,386.8 (2,270.1-2,503.5)	2,476.6 (2,359.4-2,593.8)	2,304.9 (2,193.2-2,416.6)	2,416.9 (2,304.1-2,529.8)	2,206.3 (2,099.5-2,313.0)

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

ALL CANCER INCIDENCE BY AGE GROUPS, 2008-2012

Figure 22: All Cancers Incidence by Age Groups, Cumulative Annual Age-Adjusted Rates*, Nevada, 2008-2012.

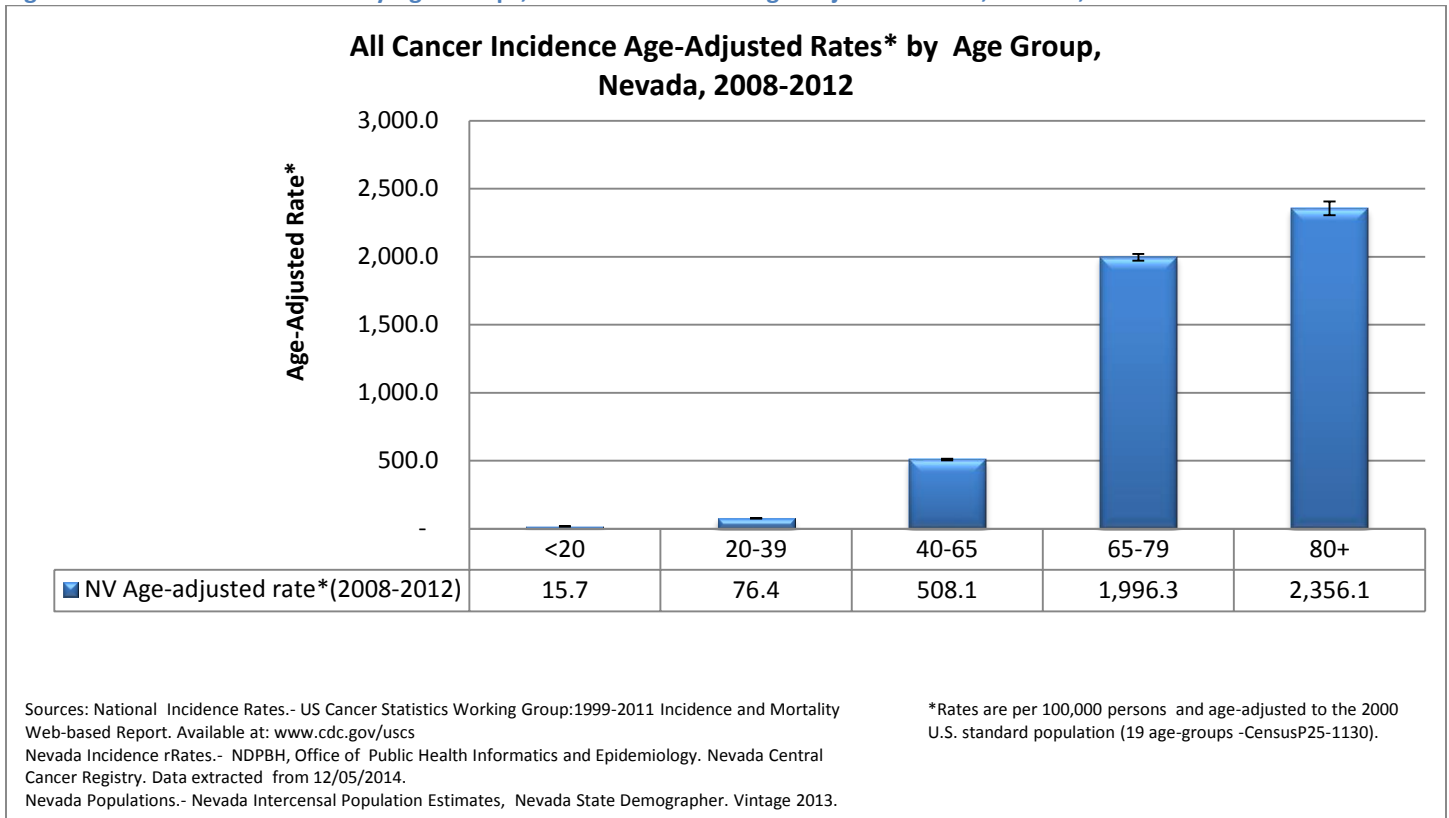


Table 30: All Cancers Incidence by Region and by Age Groups, Age-Adjusted Rates*, Nevada Geo-demographical Regions, 2008-2012.

Cancer Incidence (All Races) by Age Groups - Age-Adjusted Rates*, Nevada, 2008-2012 (Regions ordered by population size)				
Age Groups	Clark	Washoe	Carson City	Rural Counties
< 20	15.5 (14.1-17.0)	17.5 (14.0-20.9)	¥	15.2 (11.1-19.3)
20 – 39	77.5 (74.2-80.8)	70.9 (63.9-77.8)	93.3 (69.1-117.5)	69.9 (60.6-79.1)
40 – 64	502.2 (494.5-509.8)	536.3 (519.8-552.7)	546.0 (501.3-590.8)	490.6 (472.2-509.0)
65 – 79	1,945.6 (1,916.3-1,974.8)	2,138.5 (2,070.4-2,206.6)	2,584.4 (2,395.9-2,772.9)	1,979.4 (1,912.0-2,046.9)
80 +	2,331.2 (2,270.8-2,391.6)	2,597.9 (2,459.8-2,735.9)	2,637.5 (2,340.0-2,935.0)	2,123.3 (1,990.1-2,256.5)
All Ages	437.7 (433.5-441.9)	473.6 (464.2-483.0)	523.9 (498.7-549.1)	428.2 (418.3-438.0)

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

Table 31: Leading Cancer Incidence Causes by Group of Age, Nevada, 2008-2012.

25 Leading Causes of Cancer Incidence by Age Groups – Counts/Age-Adjusted Rates*, Nevada, 2008-2012										
TYPE OF CANCER	< 20		20 -39		40 - 64		65 – 79		80 +	
	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate	Counts	Age-Adj. Rate
Prostate (Male Only)	¥	¥	¥	¥	3,219	129.5	4,421	733.7	806	581.0
Breast (Female Only)	¥	¥	424	25.3	4,127	182.1	2,722	411.4	823	383.1
Lung and Bronchus	¥	¥	44	1.2	2,458	49.6	4,533	368.8	1,522	426.1
Colorectal	¥	¥	150	4.3	2,101	44.4	2,362	193.2	1,004	284.2
Urinary Bladder	¥	¥	21	0.6	796	16.3	1,467	120.6	676	190.5
Corpus Uteri and Uterus NOS (Female Only)	0	0	63	3.8	812	34.5	443	65.4	92	42.8
Non-Hodgkin Lymphoma	43	1.2	129	3.5	866	18.5	857	69.5	356	100.3
Thyroid Gland	37	1.0	514	14.0	1,158	26.8	405	31.0	53	14.7
Melanoma of the Skin	8	¥	180	4.9	835	18.1	632	51.1	280	78.8
Kidney and Renal Pelvis	21	0.5	75	2.1	896	19.4	717	57.3	209	58.4
Leukemia	174	4.5	107	2.8	495	10.6	663	54.0	340	96.4
Brain and Other Central Nervous System	95	2.5	178	4.8	760	16.7	524	41.8	207	58.5
Pancreas	¥	¥	17	0.5	540	11.1	714	57.8	285	80.5
Ovary (Female Only)	8	¥	40	2.2	364	15.8	262	40.3	84	39.1
Lip, Oral Cavity and Pharynx	¥	¥	41	1.2	744	15.7	569	44.9	118	33.0
Cervix Uteri (Female Only)	0	0	132	7.6	300	14.1	71	10.4	14	6.5
Liver and Intrahepatic Bile Ducts	9	¥	16	0.4	440	9.1	320	25.7	97	27.3
Stomach	¥	¥	24	0.7	266	5.7	336	27.3	137	38.7
Esophagus	0	0	7	¥	314	6.5	319	25.9	111	31.2
Myeloma	0	0	¥	¥	231	4.9	263	21.3	102	29.0
Testis (Male Only)	20	1.1	194	9.8	93	4.5	8	¥	0	0
Larynx	¥	¥	¥	¥	180	3.7	180	14.2	38	10.6
Connective, Subcutaneous, and Other Soft Tissues	30	0.8	48	1.3	161	3.5	117	9.4	47	13.3
Hodgkin Lymphoma	30	0.8	115	3.0	97	2.2	41	3.4	9	¥
Other Non-Epithelial Skin	¥	¥	16	0.4	58	1.3	64	5.3	46	13.1
All Other Sites	100	2.6	225	6.0	1,610	34.4	1,767	144.8	893	253.2

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

ALL CANCER INCIDENCE BY CAUSE, 2008-2012

Table 32: 25 Leading Cancer Incidence Causes by Ages, Age-Adjusted Rates*, Nevada, 2008-2012.

25 Leading Causes of Cancer Incidence (All Ages, All Races) by Ages - Specific Crude Rates, 2008-2012																						
TYPE OF CANCER	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Age Adj Rate*	Age Adj Rate L-Cls	Age Adj Rate U-Cls
Prostate (Male Only)	¥	0	0	0	0	0	0	0	¥	7.7	32.4	110.4	237.8	463.7	751.5	766.6	672.3	566.2	597.9	127.1	124.4	129.8
Breast (Female Only)	0	0	0	0	¥	¥	7.8	27.1	58.4	103.9	155.5	184.0	249.1	321.8	406	426.7	420.2	428.1	344.3	113.6	111.1	116.1
Lung and Bronchus	0	¥	0	0	¥	¥	0.6	1.5	2.5	5.9	17.3	45.2	83.9	166.2	292.8	371.7	461.9	489.0	353.7	64.0	62.6	64.9
Colorectal	0	0	0	¥	¥	0.6	1.7	4.3	9.4	13.9	27.1	49.7	68.4	102.6	143.3	201.6	246.6	268.9	301.7	42.2	41.1	43.3
Urinary Bladder	0	0	0	0	¥	¥	¥	0.6	0.9	2.9	7.6	14.5	25.6	51.7	89.3	114.7	167.2	195.4	184.9	22.7	21.9	23.5
Corpus Uteri and Uterus NOS (Female Only)	0	0	0	0	0	¥	¥	3.3	9.6	12.6	21.9	37.2	55.8	73.6	78.9	61.0	53.4	43.9	41.6	19.1	18.1	20.1
Non-Hodgkin Lymphoma	¥	¥	0.9	1.2	1.9	1.4	2.7	3.7	5.8	7.8	13.5	18.0	26.8	41.1	59.0	65.0	88.1	102.7	97.6	16.8	16.1	17.5
Thyroid Gland	0	0	¥	¥	3.5	5.0	11.5	15.6	22.1	23.2	29.3	27.9	27.7	26.8	38.8	32.2	19.9	19.6	9.0	15.8	15.1	16.4
Melanoma of the Skin	¥	¥	0	0	¥	1.5	4.7	5.2	7.6	9.3	13.0	18.8	26.8	34.3	45.0	47.0	63.5	83.6	73.2	14.3	13.7	15.0
Kidney and Renal Pelvis	¥	2.0	¥	0	¥	¥	0.8	2.1	4.9	8.3	15.6	19.5	28.9	37.5	52.5	59.8	60.5	69.0	46.2	13.9	13.3	14.5
Leukemia	3.1	9.3	3.1	3.4	3.8	2.3	2.5	3.2	3.2	5.3	5.6	9.8	16.4	24.5	42.6	53.5	69.1	87.6	106.6	13.6	13.3	14.5
Brain and Other Central Nervous System	3.1	2.0	2.3	3.0	2.6	3.1	3.5	4.9	7.3	9.7	13.9	16.7	22.7	29.1	40.2	41.0	44.5	56.4	61.0	13.0	12.9	14.2
Pancreas	0	0	0	0	¥	¥	¥	¥	1.0	3.3	4.4	10.1	17.6	33.7	49.0	56.2	70.8	79.1	82.2	11.6	12.4	13.6
Ovary (Female Only)	0	0	0	¥	¥	2.2	1.9	1.5	3.4	6.4	13.4	17.9	19.5	32.0	32.1	45.8	44.1	40.4	37.6	10.6	9.9	11.4
Lip, Oral Cavity and Pharynx	0	0	0	¥	¥	¥	¥	1.0	2.6	4.9	8.5	17.5	26.8	35.0	44.6	49.4	39.9	38.3	27.0	10.4	9.9	10.9
Cervix Uteri (Female Only)	0	0	0	0	0	¥	5.4	9.5	13.2	14.8	11.3	15.7	15.3	13.8	13.4	9.2	8.7	7.9	¥	7.6	7.0	8.3
Liver and Intrahepatic Bile Ducts	¥	¥	0	0	¥	¥	¥	¥	0.8	1.5	3.9	9.7	18.9	21.5	22.6	27.1	27.9	28.2	26.3	6.3	5.8	6.7
Stomach	0	0	0	0	¥	¥	¥	¥	1.3	3.4	3.3	4.3	9.3	12.7	20.4	31.2	31.6	38.3	39.2	5.8	5.4	6.2
Esophagus	0	0	0	0	0	0	0	¥	¥	1.1	2.9	6.7	10.7	18.6	21.5	24.0	33.9	33.2	28.9	5.5	5.1	5.9
Myeloma	0	0	0	0	0	0	0	¥	¥	1.9	2.4	5.1	7.9	11.5	17.8	20.4	26.9	25.7	32.7	4.5	4.1	4.8
Testis (Male Only)	0	¥	0	0	4.0	7.5	10.8	12.4	8.7	6.6	4.5	4.6	3.2	¥	¥	¥	0	0	0	4.5	4.0	5.1
Larynx	0	0	0	0	¥	¥	¥	¥	0	¥	1.9	4.4	6.1	9.9	14.9	14.2	13.3	13.1	7.7	2.8	2.6	3.1
Connective, Subcutaneous, and Other Soft Tissues	¥	¥	¥	0.9	1.5	1.2	1.1	1.2	1.5	1.9	3.8	2.7	4.8	6.3	8.4	9.1	11.0	12.6	14.1	3.0	2.7	3.3
Hodgkin Lymphoma	0	¥	¥	1.4	1.2	3	3.2	3.2	2.7	1.9	2.3	2.0	1.7	3.6	2.2	3.6	4.7	3.5	¥	2.2	1.9	2.4
Other Non-Epithelial Skin	0	0	¥	0	¥	¥	¥	¥	¥	0.9	¥	1.9	1.2	3.0	3.5	5.5	7.3	10.6	16.0	1.5	1.2	1.7
All Other Sites	6.7	3.7	0.6	2.7	3.1	4.2	5.8	5.2	8.5	14	23.9	34.8	49.8	77.1	110.6	137.5	196.7	230.6	279.3	34.8	33.8	35.8

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

CANCER INCIDENCE SNAPSHOT

Figure 23: Top Five Cancer Incidence Causes Annual Age-Adjusted Rates* by Gender, Nevada vs. United States.

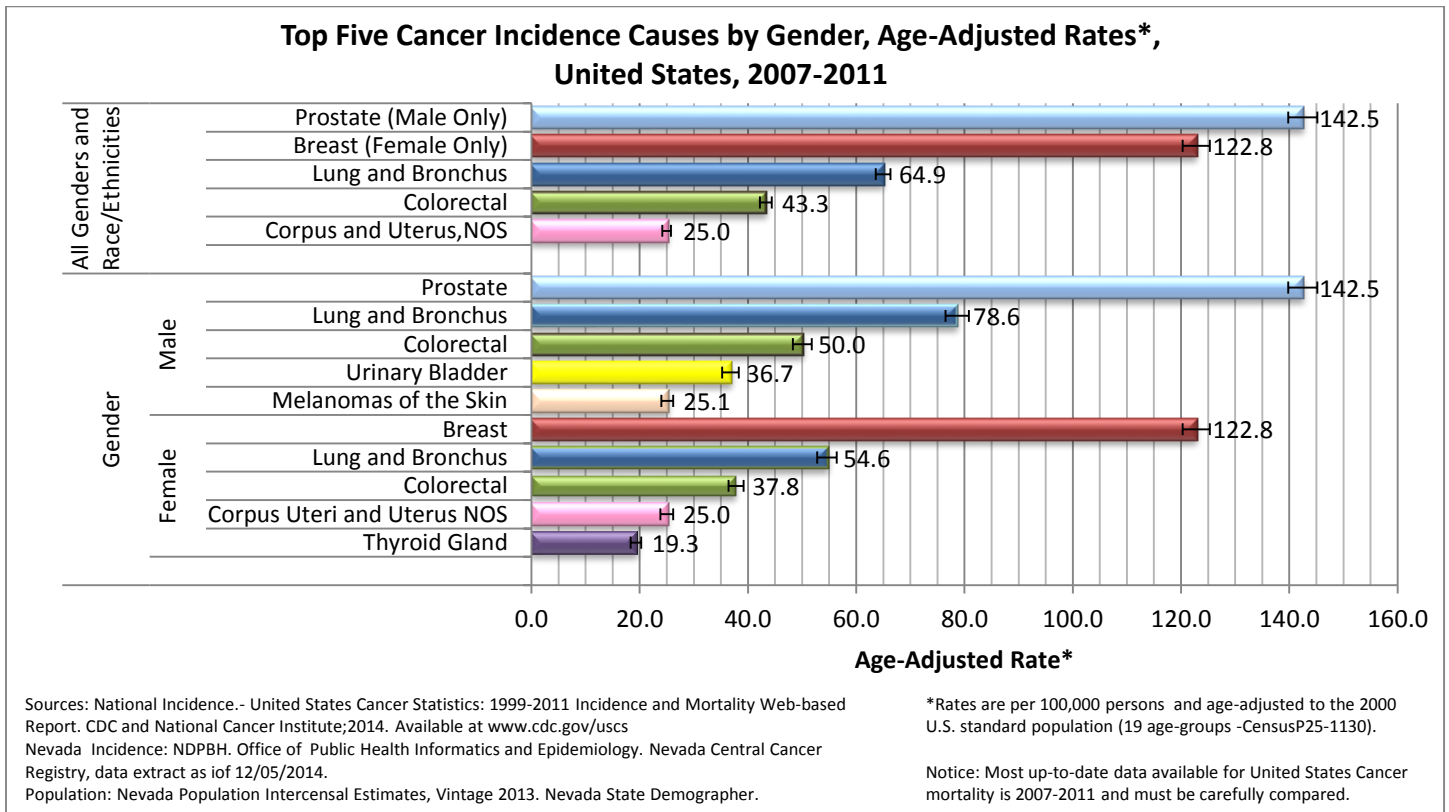
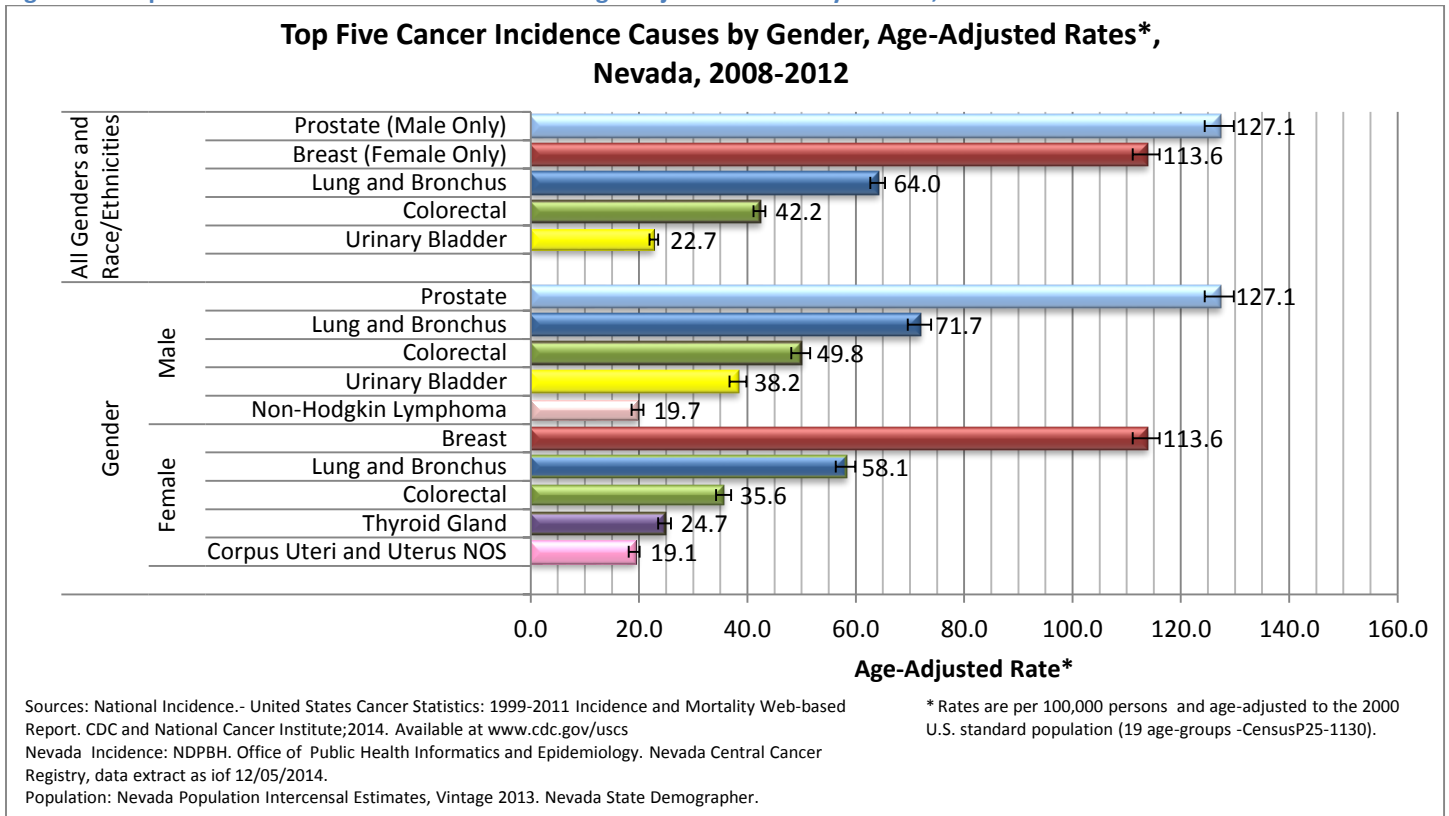
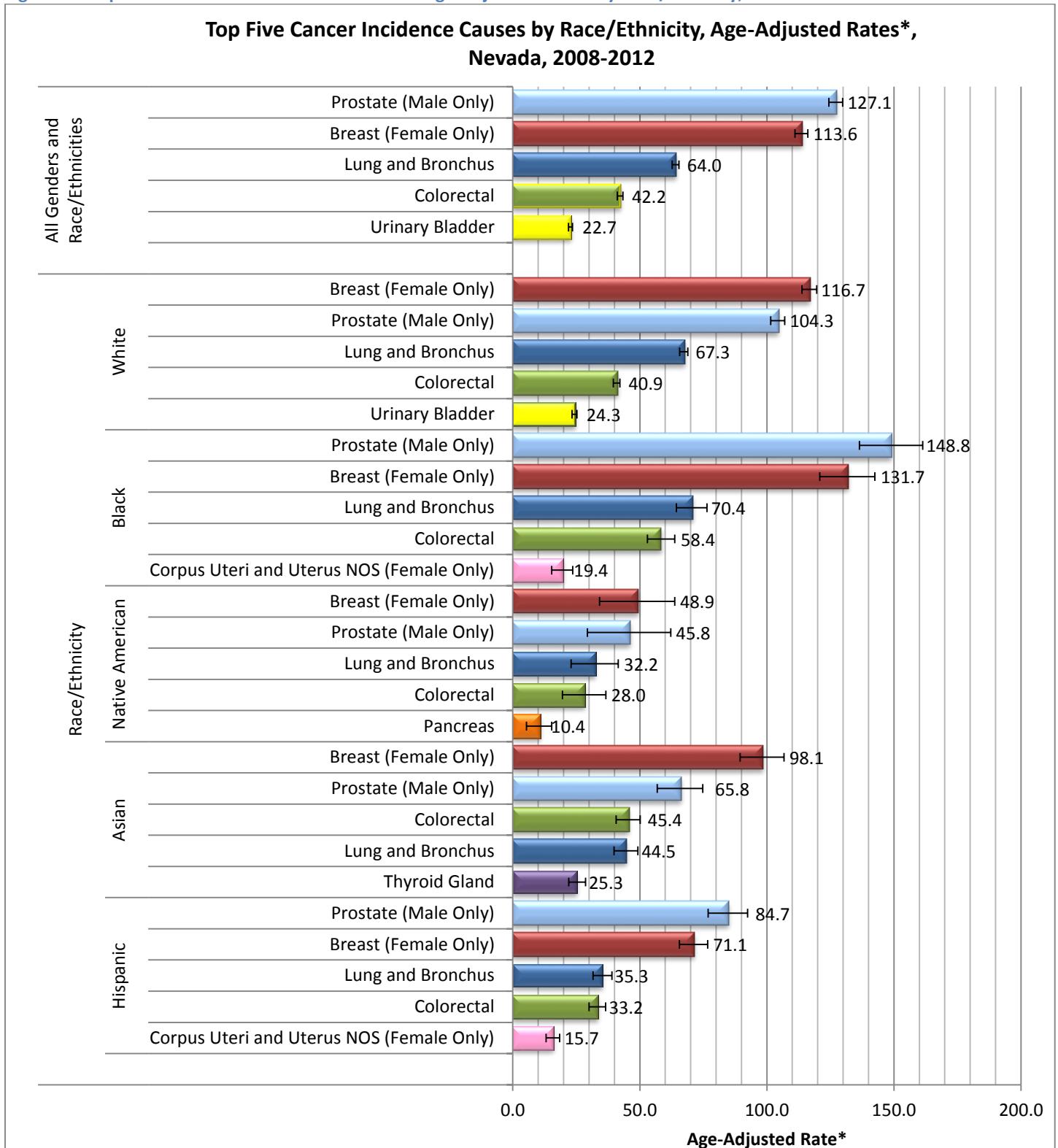


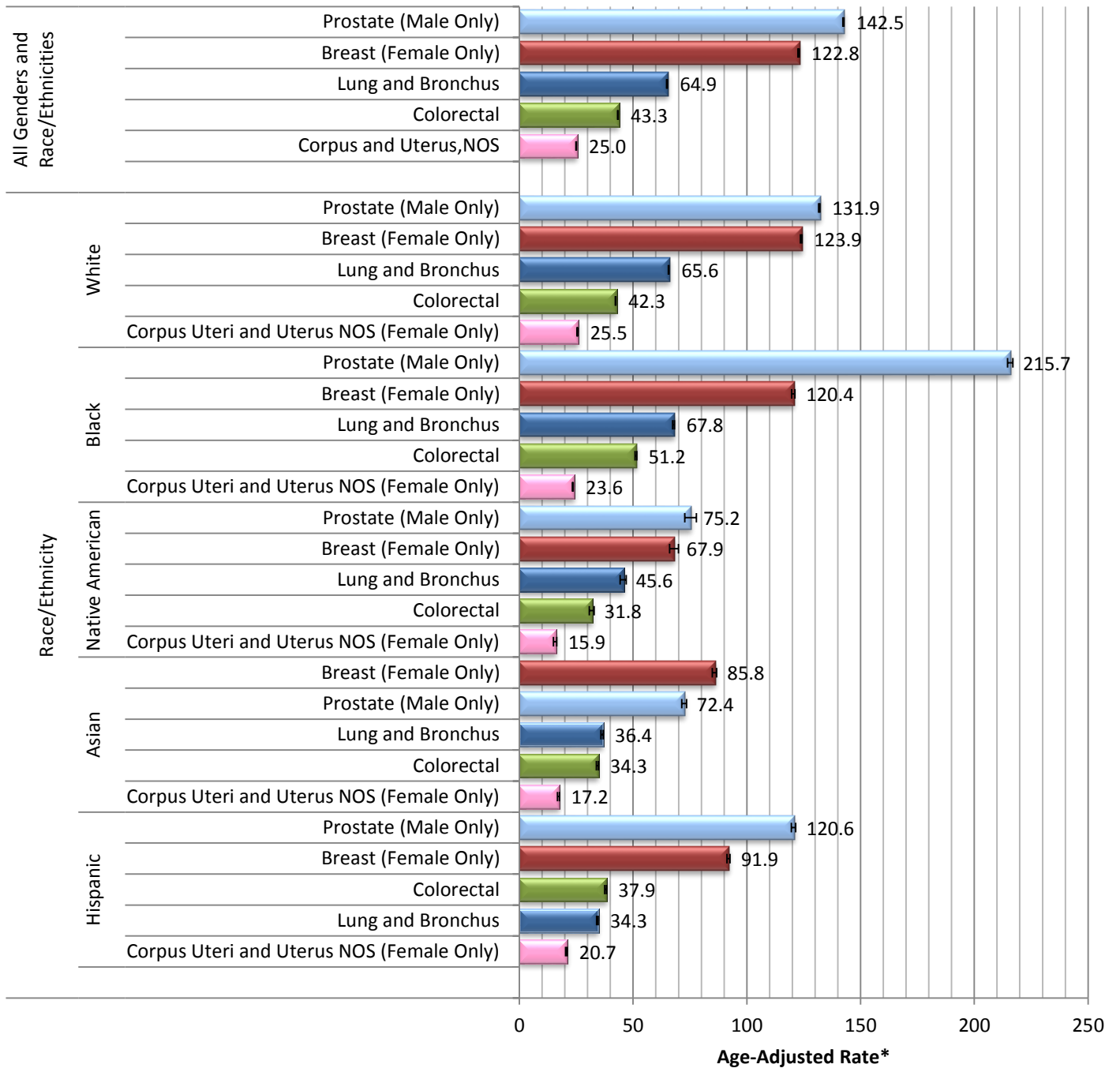
Figure 24: Top Five Cancer Incidence Causes Annual Age-Adjusted Rates* by Race/Ethnicity, Nevada vs. United States



Sources: National Incidence.- United States Cancer Statistics: 1999-2011 Incidence and Mortality Web-based Report. CDC and National Cancer Institute;2014. Available at www.cdc.gov/uscs
 Nevada Incidence: NDPBH. Office of Public Health Informatics and Epidemiology. Nevada Central Cancer Registry, data extract as of 12/05/2014.
 Population: Nevada Population Intercensal Estimates, Vintage 2013. Nevada State Demographer.

* Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

**Top Five Cancer Incidence Causes by Race/Ethnicity, Age-Adjusted Rates*,
United States, 2007-2011**

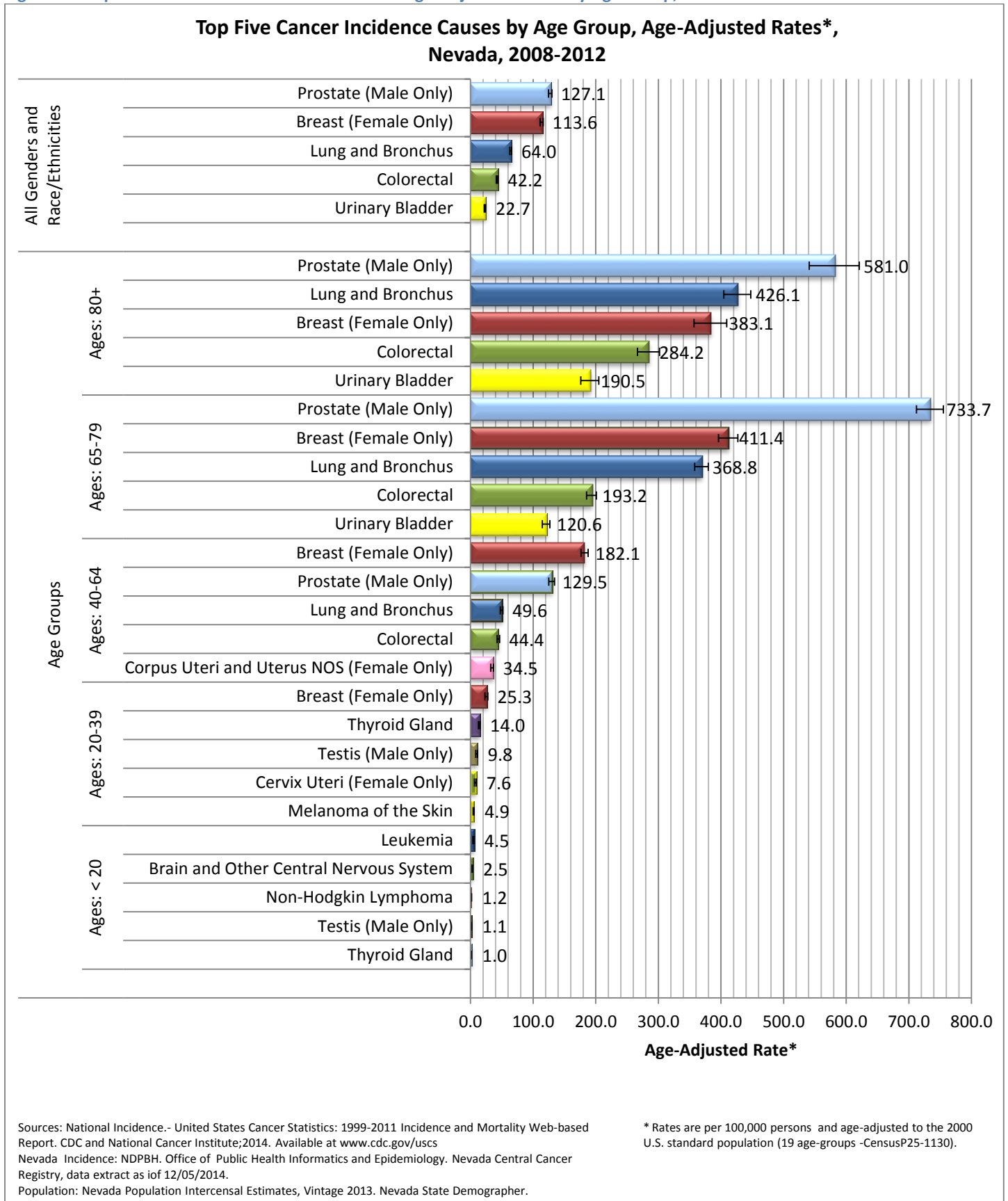


Sources: National Incidence.- United States Cancer Statistics: 1999-2011 Incidence and Mortality Web-based Report. CDC and National Cancer Institute;2014. Available at www.cdc.gov/uscs
 Nevada Incidence: NDPBH. Office of Public Health Informatics and Epidemiology. Nevada Central Cancer Registry, data extract as of 12/05/2014.
 Population: Nevada Population Intercensal Estimates, Vintage 2013. Nevada State Demographer.

*Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

Notice: Most up-to-date data available for United States Cancer mortality is 2007-2011 and must be carefully compared.

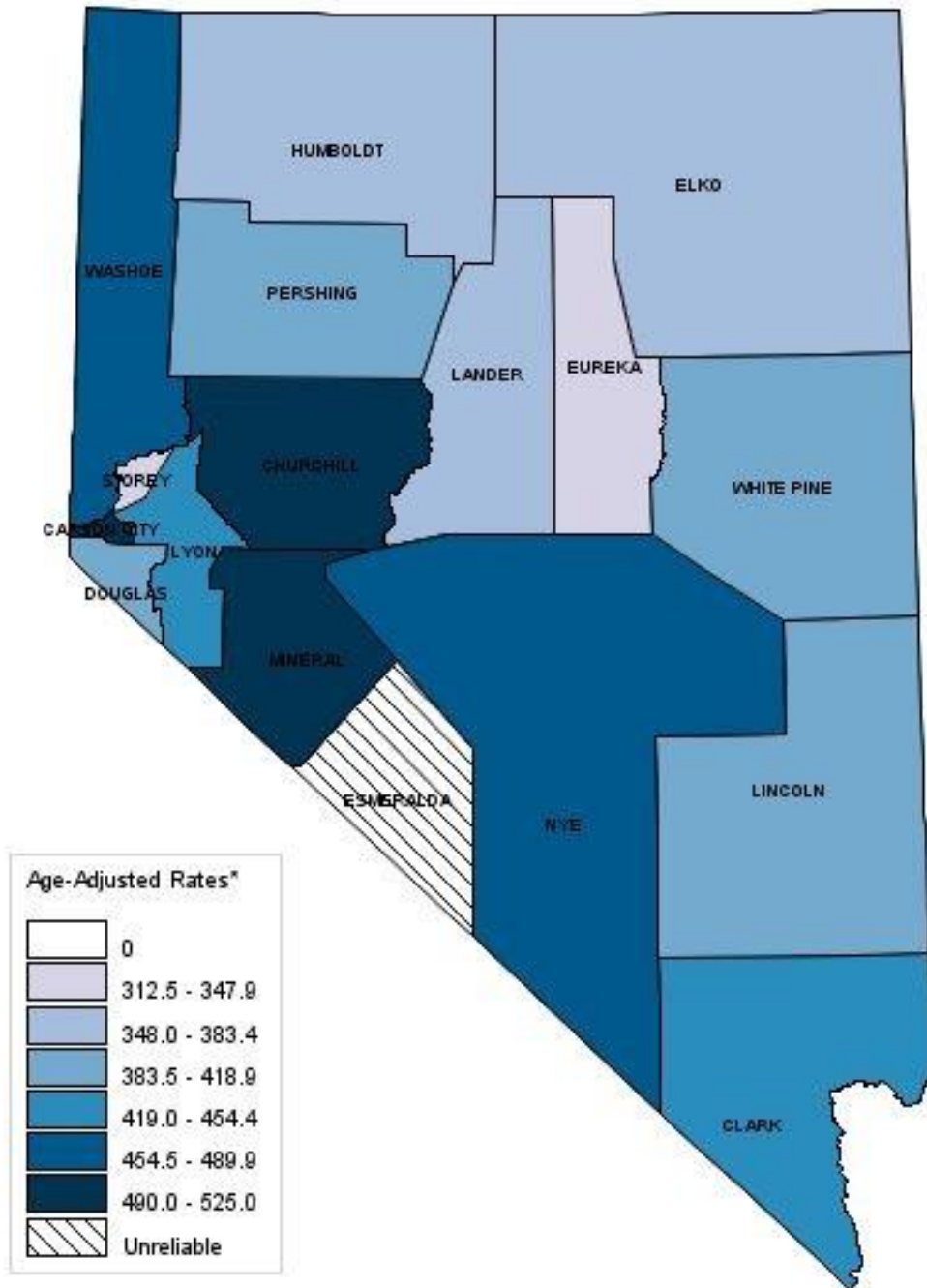
Figure 25: Top Five Cancer Incidence Causes Annual Age-Adjusted Rates* by Age Group, Nevada



ALL CANCER INCIDENCE BY GEOGRAPHICAL DISTRIBUTION

Figure 26: All Cancers Incidence Cumulative Annual Age-Adjusted Rates* by Region, Nevada, 2008-2012.

Nevada Overall Cancer Incidence, 2008-2012 (All Ages, All Races) by County



*Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population (19 age grps.-CensusP25-1130).

Figure 27: All Cancers Incidence by County, Age-Adjusted Rates*, Nevada, 2008-2012.

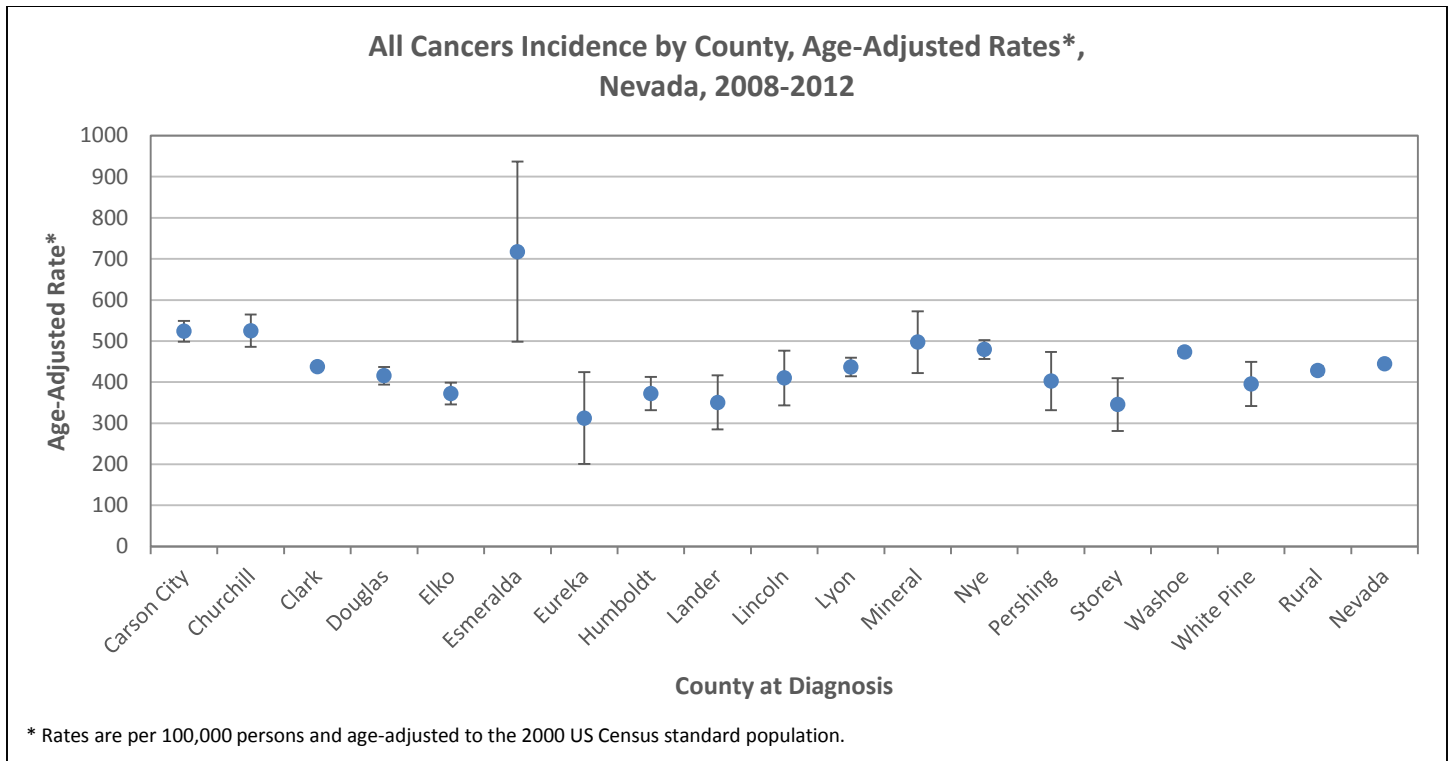


Table 33: All Cancers Incidence Cumulative Annual Age-Adjusted Rates* by County, Nevada, 2008-2012.

All Cancer Incidence (All Ages, All Races) by County - Counts/Age-Adjusted Rates*, Nevada, 2008-2012		
County	Counts	Age Adj. Rate*
Carson City	1,661	523.9 (498.7-549.1)
Churchill	690	525.0 (485.8-564.2)
Clark	41,733	437.7 (433.5-441.9)
Douglas	1,434	415.6 (394.1-437.1)
Elko	765	372.3 (346.0-398.7)
Esmeralda	41	717.6 (498.0-937.3)
Eureka	30	312.5 (200.7-424.3)
Humboldt	320	372.1 (331.3-412.9)
Lander	109	350.5 (284.7-416.2)
Lincoln	146	410.1 (343.6-476.7)
Lyon	1,439	436.9 (414.3-459.5)
Mineral	167	497.3 (421.9-572.7)
Nye	1,696	479.4 (456.6-502.2)
Pershing	124	402.4 (331.6-473.3)
Storey	111	345.5 (281.2-409.8)
Washoe	9,727	473.6 (464.2-483.0)
White Pine	209	395.6 (342.0-449.3)
Rural Counties	7,281	428.2 (418.3-438.0)

‡ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

* Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

Table 34: 25 Leading Cancer Incidence Causes by County, Age-Adjusted Rates*, Nevada, 2008-2012.

Nevada 25 Leading Causes of Cancer Incidence (All Ages, All Races) by County – Age-Adjusted Rates*, 2008-2012 (Counties ordered by population size)																			
TYPE OF CANCER	> 50,000 pop.		< 50,000 and > 25,000 pop.				< 25,000 and > 5,000 pop.						< 5,000 pop.					Rural	
	Clark	Washoe	Carson City	Elko	Douglas	Lyon	Nye	Churchill	Humboldt	White Pine	Lander	Mineral	Pershing	Lincoln	Storey	Eureka	Esmeralda		
Prostate (Male Only)	126.5 (123.2-129.7)	141.7 (134.4-149.1)	142.5 (123.1-161.9)	78.7 (62.2-95.3)	129.5 (113.0-146.0)	92.7 (78.4-107.1)	126.2 (110.4-142.1)	125.3 (98.4-152.3)	87.8 (62.1-113.4)	147.7 (100.7-194.7)	¥	111.8 (62.8-160.9)	82.4 (37.6-127.2)	161.1 (104.4-217.8)	68.8 (32.8-104.9)	¥	¥	109.6 (102.7-116.4)	
Breast (Female Only)	109.0 (106.1-111.9)	135.8 (128.9-142.7)	138.3 (120.7-155.9)	106.7 (87.0-126.4)	109.3 (93.9-124.7)	111.2 (95.4-127.1)	102.0 (86.9-117.1)	98.1 (75.5-120.8)	122.2 (87.6-156.8)	96.3 (57.8-134.8)	118.5 (60.4-176.6)	114.2 (62.9-165.6)	132.7 (74.5-190.9)	¥	103.2 (52.6-153.8)	¥	¥	105.6 (98.7-112.5)	
Lung and Bronchus	62.5 (60.9-64.1)	65.0 (61.5-68.6)	83.1 (73.2-93.1)	53.5 (43.1-64.0)	53.9 (46.3-61.6)	78.7 (69.2-88.1)	85.2 (75.9-94.5)	82.7 (66.9-98.5)	43.9 (30.1-57.7)	52.1 (32.8-71.4)	45.6 (19.8-71.4)	73.0 (44.4-101.6)	69.1 (39.6-98.7)	56.0 (32.6-79.4)	56.6 (31.2-82.1)	¥	¥	66.7 (62.9-70.5)	
Colorectal	41.8 (40.4-43.1)	42.2 (39.3-45.0)	49.8 (42.0-57.5)	36.9 (28.3-45.5)	40.5 (33.7-47.2)	43.3 (36.2-50.4)	43.2 (36.5-50.0)	54.2 (41.5-66.9)	42.6 (28.9-56.3)	38.7 (22.1-55.2)	49.2 (25.8-72.6)	56.9 (30.6-83.1)	¥	¥	¥	¥	¥	42.5 (39.4-45.6)	
Urinary Bladder	22.4 (21.4-23.4)	22.8 (20.7-24.9)	29.6 (23.5-35.6)	18.0 (12.0-24.0)	23.6 (18.5-28.7)	22.8 (17.6-28.0)	30.2 (24.6-35.7)	25.9 (16.8-35.0)	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	22.6 (20.3-24.9)
Corpus Uteri and Uterus NOS (Female Only)	18.9 (17.7-20.1)	20.8 (18.1-23.4)	20.3 (13.5-27.1)	15.7 (8.5-23.0)	20.4 (14.1-26.6)	16.1 (10.1-22.0)	16.7 (10.4-23.0)	17.5 (7.6-27.3)	¥	¥	¥	¥	¥	¥	¥	0	0	0	17.4 (14.7-20.1)
Non-Hodgkin Lymphoma	16.5 (15.7-17.3)	18.2 (16.3-20.0)	20.4 (15.4-25.3)	15.0 (9.4-20.5)	18.5 (13.9-23.0)	13.2 (9.2-17.1)	13.8 (10.0-17.6)	23.1 (14.9-31.4)	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	15.2 (13.3-17.1)
Thyroid Gland	16.4 (15.6-17.2)	13.6 (12.1-15.2)	17.1 (12.2-22.0)	8.4 (4.7-12.1)	14.2 (9.5-18.9)	15.6 (11.2-20.1)	17.0 (11.9-22.0)	17.9 (10.7-25.0)	18.3 (8.3-28.2)	¥	¥	¥	35.5 (15.4-55.5)	¥	¥	0	0	0	14.5 (12.6-16.5)
Melanoma of the Skin	13.4 (12.7-14.1)	18.3 (16.5-20.1)	14.4 (10.7-19.3)	17.7 (9.5-19.2)	16.7 (12.3-21.0)	7.8 (4.8-10.8)	13.0 (9.1-16.9)	11.3 (11.3-25.9)	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	13.8 (12-15.6)
Kidney and Renal Pelvis	13.4 (12.7-14.1)	14.7 (13.0-16.3)	21.3 (16.2-26.4)	11.7 (7.1-16.2)	12.4 (8.7-16.1)	16.7 (12.1-21.2)	16.0 (11.6-20.5)	26.2 (17.4-35.1)	15.1 (6.9-23.3)	¥	¥	¥	¥	¥	¥	¥	¥	¥	14.7 (12.8-16.5)
Leukemia	14.4 (13.6-15.2)	11.5 (10.0-13.0)	10.1 (6.7-13.5)	9.1 (5.1-13.0)	11.2 (7.4-15.0)	11.4 (7.5-15.2)	11.3 (7.8-14.9)	13.6 (7.1-20.0)	¥	¥	¥	¥	¥	¥	¥	0	0	0	11.3 (9.6-13)
Brain and Other Central Nervous System	12.4 (11.7-13.2)	14.8 (13.2-16.5)	17.1 (12.4-21.7)	11.4 (6.7-16.1)	12.7 (8.9-16.6)	17.2 (12.5-21.8)	14.5 (10.2-18.8)	16.7 (9.7-23.7)	¥	¥	0	¥	¥	¥	¥	0	0	0	12.9 (11.2-14.6)
Pancreas	11.2 (10.6-11.9)	13.1 (11.5-14.7)	13.2 (9.2-17.1)	11.0 (6.5-15.5)	11.8 (8.2-15.4)	10.7 (7.2-14.3)	11.2 (7.8-14.5)	12.9 (6.8-19.1)	¥	¥	¥	¥	¥	¥	¥	0	¥	¥	11.2 (9.7-12.8)
Ovary (Female Only)	10.7 (9.8-11.6)	10.1 (8.3-12.0)	11.6 (6.6-16.5)	¥	10.4 (5.6-15.3)	10.9 (6.0-15.8)	14.8 (8.8-20.7)	¥	0	¥	¥	¥	¥	¥	¥	0	0	0	10.4 (8.3-12.6)
Lip, Oral Cavity and Pharynx	9.8 (9.2-10.4)	12.1 (10.6-13.6)	10.0 (6.5-13.4)	11.4 (6.8-15.9)	9.8 (6.6-13.0)	14.5 (10.5-18.5)	15.3 (11.2-19.5)	14.6 (8.3-20.8)	¥	¥	¥	¥	¥	¥	¥	0	0	0	12.1 (10.4-13.7)
Cervix Uteri (Female Only)	7.7 (6.9-8.5)	7.8 (6.1-9.5)	¥	¥	¥	7.9 (3.6-12.2)	¥	¥	¥	¥	¥	¥	0	¥	¥	0	0	0	7.1 (5.2-9.1)
Liver and Intrahepatic Bile Ducts	6.1 (5.6-6.6)	7.2 (6.1-8.4)	6.3 (3.6-9.1)	6.6 (2.9-10.3)	3.8 (1.9-5.7)	5.5 (3.1-7.9)	5.0 (2.7-7.2)	10.7 (5.3-16.2)	¥	¥	¥	¥	¥	0	¥	¥	¥	¥	5.6 (4.5-6.7)
Stomach	6.2 (5.6-6.7)	5.6 (4.5-6.6)	¥	¥	3.7 (1.6-5.9)	4.3 (2.0-6.7)	4.6 (2.5-6.8)	¥	¥	¥	¥	¥	¥	¥	0	0	0	0	4.4 (3.4-5.4)
Esophagus	4.9 (4.5-5.4)	6.2 (5.1-7.2)	10.5 (6.9-14.0)	7.0 (3.3-10.6)	7.7 (4.8-10.7)	5.3 (2.9-7.8)	6.7 (4.1-9.3)	¥	¥	¥	¥	¥	¥	¥	0	0	0	0	6.6 (5.4-7.8)
Myeloma	4.3 (3.9-4.7)	5.6 (4.6-6.7)	¥	¥	5.9 (3.3-8.5)	4.0 (1.9-6.1)	5.7 (3.2-8.2)	¥	¥	¥	0	¥	0	¥	0	¥	0	0	4.3 (3.3-5.3)
Testis (Male Only)	4.5 (3.9-5.1)	4.7 (3.4-6.0)	¥	¥	¥	¥	¥	0	¥	¥	0	0	0	0	0	0	0	0	3.7 (2.2-5.2)
Larynx	2.9 (2.5-3.2)	2.2 (1.6-2.8)	4.3 (2.1-6.6)	¥	¥	4.0 (1.9-6.1)	¥	¥	¥	¥	¥	¥	0	¥	¥	0	0	0	3.3 (2.5-4.1)
Connective, Subcutaneous, and Other Soft Tissues	3.2 (2.8-3.5)	2.5 (1.8-3.1)	¥	¥	¥	¥	¥	¥	¥	¥	¥	0	¥	0	0	0	0	0	2.5 (1.7-3.3)
Hodgkin Lymphoma	2.3 (2.0-2.6)	1.7 (1.1-2.2)	¥	¥	¥	¥	¥	¥	¥	0	¥	0	0	0	¥	0	0	0	1.7 (1.1-2.4)
Other Non-Epithelial Skin	1.6 (1.3-1.8)	1.2 (0.7-1.7)	0	¥	¥	¥	¥	¥	0	0	0	¥	0	¥	¥	0	0	0	1.3 (0.8-1.9)
All Other Sites	34.7 (33.5-35.9)	35.7 (33.1-38.3)	40.4 (33.4-47.5)	33.3 (25.3-41.3)	22.8 (17.6-28.0)	31.0 (24.8-37.1)	41.2 (34.4-48.1)	46.9 (34.9-58.8)	41.4 (27.3-55.6)	25.8 (12.3-39.2)	¥	¥	¥	48.0 (25.2-70.9)	37.2 (16.1-58.2)	¥	¥	¥	33.4 (30.6-36.2)

* Rates are per 100,000 persons and age-adjusted to the 2000 US Census standard population.

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

CANCER BURDEN

EARLY DEATHS BY TYPE OF CANCER

Years of Potential Life Lost (YPLL)

YPLL is a summary measure of premature mortality (early death). It represents the total number of years not lived by people who die before reaching a given age. Deaths among younger persons contribute more to the YPLL measure than deaths among older persons. YPLL is based on the number of deaths at each age up to some limit. For example, in the United States, the age limit is often placed at 75. People who die before age 75 are defined as having lost some potential years of life. YPLL has declined in the United States over the past decades.

Table 36: Person-years of life lost due to Cancer, Nevada, 2008-2012.

Person-years of Life Lost in Nevada, due to Cancer, All Races, All Genders, 2008-2012	
TYPE OF CANCER	Person-years of life lost
All Causes of Cancer	168,800
Lung and Bronchus Ca.	40,438
Breast (Female Only)	16,978
Colorectal Ca.	16,212
Pancreas Ca.	10,193
Liver and Intrahepatic Bile Ducts Ca.	7,703
Leukemias	7,687
Brain and Other Nervous System Neoplasms	7,384
Esophagus Ca.	5,255
Non-Hodgkin Lymphomas	5,118
Ovary (Female Only)	4,380
Kidney and Renal Pelvis Ca.	4,275
Melanoma of the Skin	3,810
Prostate (Male Only)	3,242
Stomach Ca.	3,015
Lip, Oral Cavity and Pharynx Ca.	3,010
Cervix Uteri	2,820
Urinary Bladder Ca.	2,448
Soft Tissue including Heart Ca.	2,085
Corpus Uteri and Uterus NOS	1,865
Myeloma	1,735
Endocrine System Ca.	1,125
Larynx Ca.	1,114
Bones and Joints Ca.	950
Non-Epithelial Skin Ca.	918
Hodgkin Lymphoma	753
Mesothelioma	**
Eye and Orbit Ca.	**
Kaposi Sarcoma	**
Miscellaneous Malignant Cancer	**

**Values were not calculated for specified types of cancer

Table 35: Leading Cancer Mortality Causes, Age-Adjusted Rates*, Nevada, 2008-2012

Leading Causes of Cancer Mortality -Age-Adjusted Rates*, Nevada, 2008-2012	
TYPE OF CANCER	Age-Adjusted Rate
Lung and Bronchus Ca.	49.2
Breast (Female Only)	22.9
Prostate (Male Only)	22.0
Colorectal Ca.	10.7
Pancreas Ca.	9.2
Ovary Ca. (Female Only)	6.9
Liver and Intrahepatic Bile Ducts Ca.	6.4
Leukemias	5.4
Esophagus Ca.	5.2
Non-Hodgkin Lymphomas	4.8
Urinary Bladder Ca.	4.1
Brain and Other Nervous System Neoplasms	3.8
Kidney and Renal Pelvis Ca.	3.7
Corpus and Uterus, NOS Ca. (Female Only)	3.2
Melanoma of the Skin	2.9
Stomach Ca.	2.6
Myeloma	2.3
Lip, Oral Cavity and Pharynx Ca.	1.7
Cervix Uteri Ca. (Female Only)	2.2
Larynx Ca.	1.1
Soft Tissue including Heart Ca.	0.9
Non-Epithelial Skin Ca.	0.9
Mesothelioma	0.7
Endocrine System Ca.	0.7
Bones and Joints Ca.	0.4
Hodgkin Lymphoma	0.4
Eye and Orbit Ca.	¥
Kaposi Sarcoma	0
Miscellaneous Malignant Cancer	14.4

* Rates are per 100,000 persons and age-adjusted to the 2000 U.S. standard population (19 age-groups -CensusP25-1130).

¥ Counts more than zero or less than or equal to 5 or Rates with Relative Standard Error (RSE) >30% are suppressed due to reliability and/or confidentiality issues.

NUMBER OF CANCER DEATHS

Annual Average of Deaths Due to Cancer, Nevada, 2008-2012: **4,449.6**

Table 37: 25 Leading Cancer Mortality Causes by Ages, Counts, Nevada, 2008-2012

25 Leading Causes of Cancer Mortality (All Ages, All Races) by Ages – Counts, Nevada, 2008-2012																					
TYPE OF CANCER	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unk	Total
Lung and Bronchus Ca.	0	0	0	0	¥	0	¥	6	9	33	112	278	469	799	1,092	1,137	1,075	827	610	0	6,451
Colorectal Ca.	0	0	0	¥	0	0	¥	10	18	34	71	139	175	242	266	294	330	295	313	0	2,189
Breast (Female Only)	0	0	0	0	0	0	¥	8	29	50	108	140	144	230	223	157	162	163	206	0	1,625
Pancreas Ca.	0	0	0	0	0	0	0	¥	¥	17	34	75	117	192	232	221	198	163	152	0	1,408
Prostate (Male Only)	0	0	0	0	0	0	0	0	0	0	¥	15	36	64	123	166	174	211	300	0	1,094
Liver and Intrahepatic Bile Ducts Ca.	0	0	0	0	0	0	¥	0	6	11	26	67	114	129	121	115	111	85	64	0	851
Leukemias	¥	¥	¥	8	8	12	8	6	9	17	20	30	42	64	97	122	106	127	119	0	806
Non-Hodgkin Lymphomas	0	0	¥	0	¥	¥	¥	7	12	9	18	34	43	59	87	92	100	106	106	0	681
Esophagus Ca.	0	0	0	0	0	0	0	¥	¥	¥	20	43	64	111	92	115	89	62	47	0	650
Urinary Bladder Ca.	0	0	0	0	0	0	0	0	0	¥	8	17	30	43	62	88	131	112	138	0	632
Brain and Other Nervous System Neoplasms	0	¥	6	6	¥	¥	7	¥	12	15	25	44	62	77	80	58	56	51	39	0	554
Kidney and Renal Pelvis Ca.	¥	0	0	0	0	0	0	¥	¥	10	19	34	58	62	65	62	58	66	56	0	495
Ovary Ca. (Female Only)	0	0	0	0	0	¥	¥	¥	¥	11	17	39	44	67	72	68	60	56	48	0	490
Melanoma of the Skin	0	0	0	0	0	¥	¥	¥	¥	17	22	16	40	56	37	44	52	51	45	0	392
Stomach Ca.	0	0	0	0	0	¥	0	¥	8	9	12	21	26	32	48	56	57	50	47	0	372
Myeloma	0	0	0	0	0	0	0	0	¥	8	7	9	19	22	42	48	72	36	62	0	326
Lip, Oral Cavity and Pharynx Ca.	0	0	0	0	0	0	¥	0	¥	9	10	22	48	44	43	30	47	36	22	0	315
Corpus and Uterus, NOS Ca. (Female Only)	0	0	0	0	0	0	0	¥	0	¥	¥	18	17	43	37	28	26	29	23	0	230
Cervix Uteri Ca. (Female Only)	0	0	0	0	0	¥	¥	8	8	13	15	22	21	18	12	8	12	¥	7	0	152
Larynx Ca.	0	0	0	0	0	0	0	0	0	¥	¥	7	21	23	24	29	20	12	10	0	148
Soft Tissue including Heart Ca.	0	¥	0	0	¥	¥	¥	¥	6	¥	9	10	13	17	13	11	12	¥	¥	0	117
Non-Epithelial Skin Ca.	0	0	0	0	0	0	¥	0	¥	¥	¥	10	9	9	12	14	14	15	23	0	115
Mesothelioma	0	0	0	0	0	0	¥	0	0	¥	¥	¥	¥	8	17	17	16	9	14	0	93
Endocrine System Ca.	0	¥	0	0	0	¥	0	¥	¥	¥	¥	¥	8	8	12	16	6	10	10	0	90
Bones and Joints Ca.	0	0	0	0	¥	¥	¥	0	¥	¥	¥	¥	6	¥	6	¥	¥	¥	6	0	51
Hodgkin Lymphoma	0	0	0	0	0	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥	6	¥	0	47
Eye and Orbit Ca.	0	¥	0	0	0	¥	0	0	0	0	¥	¥	¥	0	¥	¥	0	¥	0	0	11
Kaposi Sarcoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	¥	0	1
Miscellaneous Malignant Cancer	0	0	4	0	3	4	¥	9	13	27	43	83	138	212	274	272	270	232	262	0	1,851
Total Cancers	¥	12	16	15	27	40	48	81	155	317	624	1,190	1,776	2,640	3,198	3,282	3,260	2,824	2,740	0	22,248

¥ Counts more than zero or less than or equal to 5 are suppressed due to reliability and/or confidentiality issues.

NUMBER OF NEW CASES OF CANCER

Annual Average of New Cases of Cancer, Nevada, 2008-2012: **12,101.2**

Table 38: 25 Leading Cancer Incidence Causes by Ages, Counts, Nevada, 2008-2012

25 Leading Causes of Cancer Incidence (All Ages, All Races) by Ages – Counts, Nevada, 2008-2012																					
Cancer Type	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unk	Total
Lung and Bronchus	0	¥	0	0	¥	¥	6	14	23	55	165	409	676	1,153	1,594	1,549	1,390	971	551	0	8,559
Prostate (Male Only)	¥	0	0	0	0	0	0	0	¥	37	160	505	952	1,565	1,959	1,522	940	479	327	0	8,452
Breast (Female Only)	0	0	0	0	¥	¥	36	125	260	467	713	816	1,002	1,129	1,137	918	667	480	343	1	8,097
Colorectal	0	0	0	¥	¥	6	16	41	87	130	259	449	551	712	780	840	742	534	470	1	5,619
Urinary Bladder	0	0	0	0	¥	¥	¥	6	8	27	73	131	206	359	486	478	503	388	288	0	2,962
Non-Hodgkin Lymphoma	¥	¥	9	11	17	13	26	36	54	73	129	163	216	285	321	271	265	204	152	0	2,251
Thyroid Gland	0	0	¥	¥	32	47	111	150	206	217	280	252	223	186	211	134	60	39	14	0	2,167
Melanoma of the Skin	¥	¥	0	0	¥	14	45	50	71	87	124	170	216	238	245	196	191	166	114	0	1,935
Kidney and Renal Pelvis	¥	16	¥	0	¥	¥	8	20	46	78	149	176	233	260	286	249	182	137	72	0	1,918
Leukemia	6	73	29	31	35	22	24	31	30	50	54	89	132	170	232	223	208	174	166	0	1,779
Brain and Other Central Nervous System	6	16	22	27	24	29	34	47	68	91	133	151	183	202	219	171	134	112	95	0	1,764
Pancreas	0	0	0	0	¥	¥	¥	¥	9	31	42	91	142	234	267	234	213	157	128	0	1,557
Lip, Oral Cavity and Pharynx	0	0	0	¥	¥	¥	¥	10	24	46	81	158	216	243	243	206	120	76	42	0	1,475
Corpus Uteri and Uterus NOS (Female Only)	0	0	0	0	0	¥	¥	15	43	57	101	166	226	262	224	133	86	50	42	0	1,410
Liver and Intrahepatic Bile Ducts	¥	¥	0	0	¥	¥	¥	¥	7	14	37	88	152	149	123	113	84	56	41	0	882
Stomach	0	0	0	0	¥	¥	¥	¥	12	32	32	39	75	88	111	130	95	76	61	0	764
Ovary (Female Only)	0	0	0	¥	¥	10	9	7	14	29	62	80	79	114	91	100	71	46	38	0	758
Esophagus	0	0	0	0	0	0	0	¥	¥	10	28	61	86	129	117	100	102	66	45	0	751
Myeloma	0	0	0	0	0	0	0	¥	¥	18	23	46	64	80	97	85	81	51	51	0	600
Cervix Uteri (Female Only)	0	0	0	0	0	¥	25	44	59	67	52	70	62	49	38	19	14	9	¥	0	517
Larynx	0	0	0	0	¥	¥	¥	¥	0	¥	18	40	49	69	81	59	40	26	12	0	403
Connective, Subcutaneous, and Other Soft Tissues	¥	¥	¥	8	14	11	11	12	14	18	36	24	39	44	46	38	33	25	22	0	403
Testis (Male Only)	0	¥	0	0	19	37	54	61	42	32	22	21	13	¥	¥	¥	0	0	0	0	315
Hodgkin Lymphoma	0	¥	¥	13	11	28	31	31	25	18	22	18	14	25	12	15	14	7	¥	0	292
Other Non-Epithelial Skin	0	0	¥	0	¥	¥	¥	¥	¥	8	¥	17	10	21	19	23	22	21	25	0	187
All Other Sites	13	29	6	24	28	40	56	50	79	131	228	315	401	535	602	573	592	458	435	0	4,595
All Cancer	39	150	76	122	205	279	522	775	1,200	1,830	3,030	4,551	6,225	8,324	9,561	8,396	6,859	4,816	3,546	2	60,506

¥ Counts more than zero or less than or equal to 5 are suppressed due to reliability and/or confidentiality issues.

HOSPITALIZATIONS DUE TO CANCER

Table 39: Percentage of Hospitalization due to Cancer, Nevada, 2008-2012

Percentage of Hospitalization due to Cancer, Nevada, 2008-2012		
All Hospitalization	All Hospitalization for Cancer	%
1,419,894	49,352	3.48%

Table 40: Average Charges for Hospitalization due to All Hospitalizations and Cancer, Nevada, 2008-2012

Average Charges for Hospitalization due to All Hospitalizations and Cancer, Nevada, 2008-2012		
	All Hospitalization	All Hospitalization for Cancer
Hospitalization Charges	\$65,162,817,860	\$3,505,129,227
Average Charges	\$45,896	\$71,023

Table 41: Hospitalization Charges for All Cancers (Primary Diagnosis) by Age Group, Nevada, 2008-2012

Hospitalization Charges for All Cancers (Primary Diagnosis) by Age-Groups, Nevada, 2008-2012			
Age Group	Cancer Hospitalizations	Percent	Average Charges
< 20	939	1.90%	95,626.65
20 - 39	4,226	8.56%	59,381.62
40 - 64	23,445	47.51%	67,060.92
65 -79	15,682	31.78%	78,682.35
80 +	5,060	10.25%	70,800.25
Total	49,352	100.00%	71,023.04

Table 42: Mean Charges for All Cancers (Primary Diagnosis) by Payer, Nevada, 2008-2012

Mean Charges for All Cancers (Primary Diagnosis) (Ages: <20) by Payer, Nevada, 2008-2012		
Payer	Num. of Cases	Average Charges
Self-Pay	53	\$109,851
Medicaid	298	\$109,087
Negotiated Discounts e.g. PPO	213	\$103,099
CHAMPUS OR CHAMPVA	21	\$98,759
HMO	304	\$81,729
County Indigent Referral	16	\$71,740
Miscellaneous	6	\$63,419
Charity	~	\$57,024
Commercial Insurer	25	\$35,365

Mean Charges for All Cancers (Primary Diagnosis) (Ages: 40-64) by Payer, Nevada, 2008-2012		
Payer	Num. of Cases	Average Charges
Medicaid	2,120	\$91,072
Miscellaneous	233	\$81,939
Self-Pay	1,473	\$80,652
Medicare	1,749	\$78,655
CHAMPUS OR CHAMPVA	450	\$74,308
County Indigent Referral	1,035	\$72,236
HMO	9,791	\$62,844
Commercial Insurer	678	\$59,215
Negotiated Discounts e.g. PPO	5,806	\$57,646
Charity	69	\$51,406
All Workers Compensation e.g. (SIIS)	21	\$48,810
Section 1011 Undocumented Aliens	16	\$43,258
Unknown	~	\$24,999

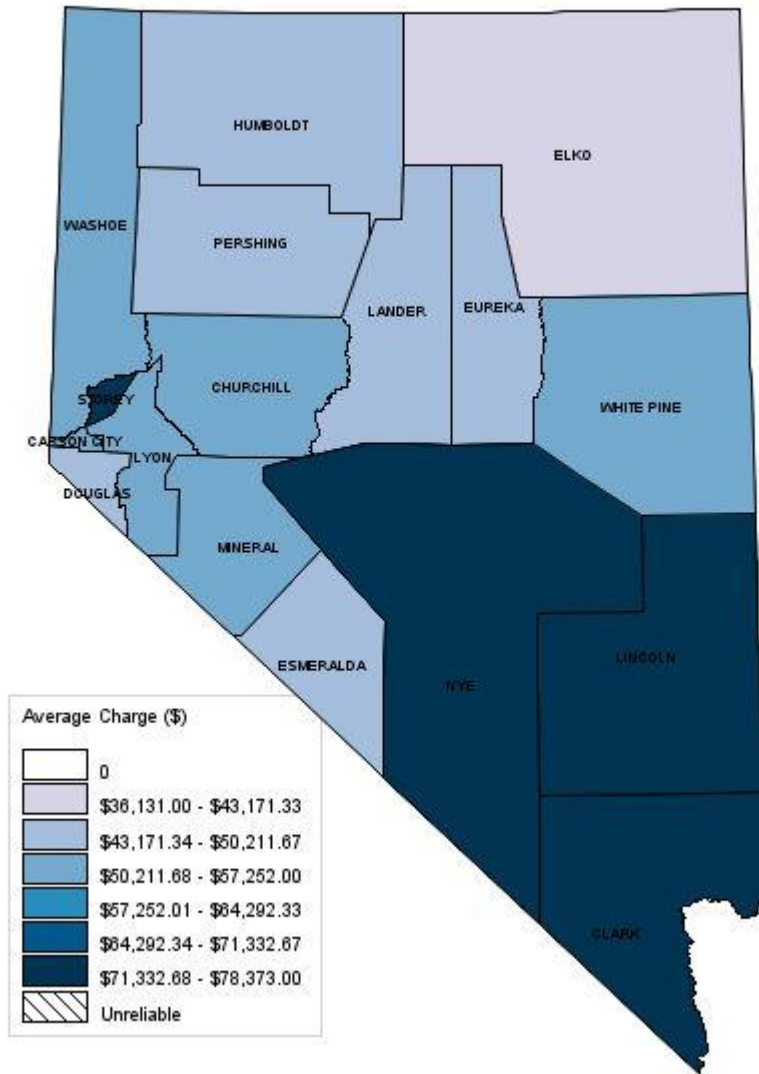
Mean Charges for All Cancers (Primary Diagnosis) (Ages: 80+) by Payer, Nevada, 2008-2012		
Payer	Num. of Cases	Average Charges
County Indigent Referral	~	\$122,146
CHAMPUS OR CHAMPVA	8	\$100,370
Medicaid	29	\$79,909
HMO	115	\$76,652
Commercial Insurer	145	\$71,849
Medicare	4,531	\$70,982
Negotiated Discounts e.g. PPO	138	\$67,030
Self-Pay	30	\$65,922
Miscellaneous	52	\$50,587
Unknown	~	\$24,678
Charity	9	\$16,626

Mean Charges for All Cancers (Primary Diagnosis) (Ages: 20-39) by Payer, Nevada, 2008-2012		
Payer	Num. of Cases	Average Charges
Medicaid	577	\$87,004
Self-Pay	281	\$79,872
County Indigent Referral	179	\$75,264
Medicare	97	\$55,713
Commercial Insurer	63	\$55,399
All Workers Compensation e.g. (SIIS)	~	\$54,154
Section 1011 Undocumented Aliens	9	\$52,385
Unknown	~	\$52,127
Negotiated Discounts e.g. PPO	883	\$52,104
HMO	2,049	\$51,563
CHAMPUS OR CHAMPVA	54	\$50,738
Miscellaneous	19	\$32,815
Charity	13	\$25,675

Mean Charges for All Cancers (Primary Diagnosis) (Ages: 65-79) by Payer, Nevada, 2008-2012		
Payer	Num. of Cases	Average Charges
Self-Pay	109	\$100,660
Medicaid	180	\$95,196
Miscellaneous	186	\$94,916
CHAMPUS OR CHAMPVA	40	\$93,971
HMO	1,309	\$79,311
All Workers Compensation e.g. (SIIS)	10	\$78,359
Medicare	12,386	\$78,309
County Indigent Referral	62	\$78,242
Commercial Insurer	459	\$77,159
Negotiated Discounts e.g. PPO	914	\$74,962
Charity	15	\$46,615
Unknown	11	\$30,661
Nevada Blue Cross/Blue Shield	~	\$19,038

Figure 28: Average Hospitalization Charges for All Cancers (Primary Diagnosis) by County, Nevada, 2008-2012

**Average Hospitalization Charges for All Cancers (Primary Diagnosis)
(All Ages, All Races) by County, Nevada Residents, 2008-2012 (HIB)**



INVASIVE CANCER BY STAGE AT DIAGNOSIS

Table 43: 25 Leading Cancer Incidence Causes by Stage at Diagnosis, Counts, Nevada, 2008-2012

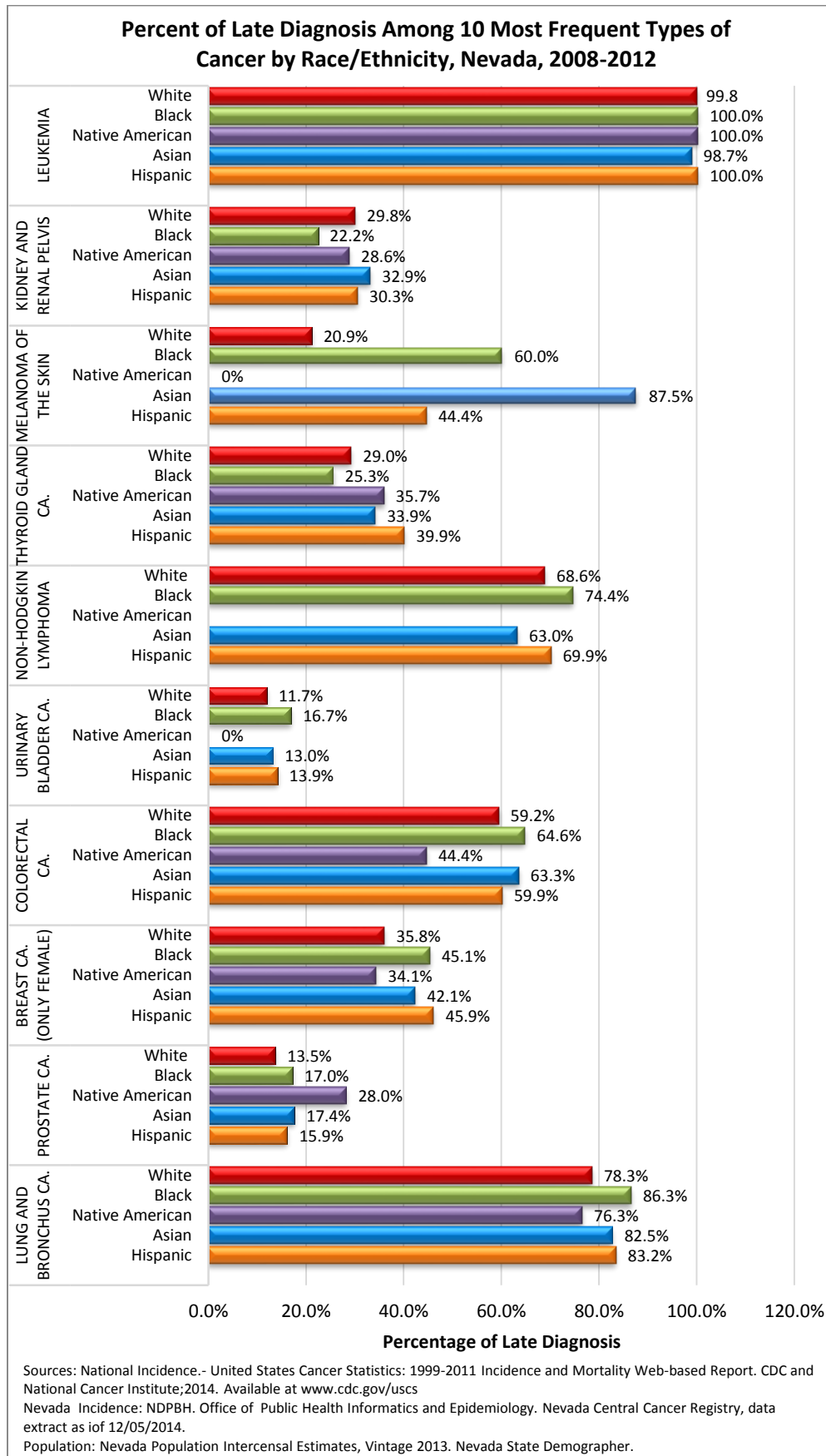
Nevada 25 Leading Causes of Cancer Incidence by Stage at Diagnosis 2008-2012							
	EarlyDx	%	LateDx	%	Unstaged	(%)	Total
Lung and Bronchus	1,383	20.8	5,262	79.2	1,914	22.4	8,559
Prostate	6,343	88.1	856	11.9	1,256	14.9	8,455
Breast	4,776	62.5	2,861	37.5	549	6.7	8,186
Colorectal	1,911	40.4	2,822	59.6	887	15.8	5,620
Urinary Bladder	2,435	88.5	315	11.5	212	7.2	2,962
Non-Hodgkin Lymphoma	512	31.3	1,125	68.7	614	27.3	2,251
Thyroid Gland	1,379	69.0	620	31.0	168	7.8	2,167
Melanoma of the Skin	1,253	78.9	336	21.1	346	17.9	1,935
Kidney and Renal Pelvis	1,244	70.4	523	29.6	151	7.9	1,918
Leukemia	4	0.2	1,774	99.8	1	0.1	1,779
Brain and Other Central Nervous System	554	86.8	84	13.2	1,126	63.8	1,764
Pancreas	131	11.2	1,041	88.8	385	24.7	1,557
Lip, Oral Cavity and Pharynx	419	34.9	780	65.1	276	18.7	1,475
Corpus Uteri and Uterus NOS	911	69.7	396	30.3	103	7.3	1,410
Liver and Intrahepatic Bile Ducts	251	49.0	261	51.0	370	42.0	882
Stomach	150	28.2	382	71.8	232	30.4	764
Ovary	114	17.1	554	82.9	91	12.0	759
Esophagus	93	18.9	398	81.1	260	34.6	751
Myeloma	43	7.2	556	92.8	1	0.2	600
Cervix Uteri	193	41.6	271	58.4	54	10.4	518
Larynx	158	49.4	162	50.6	83	20.6	403
Connective, Subcutaneous, and Other Soft Tissues	241	70.1	103	29.9	59	14.6	403
Testis	216	70.8	89	29.2	11	3.5	316
Hodgkin Lymphoma	51	22.7	174	77.3	67	22.9	292
Other Non-Epithelial Skin	94	79.0	25	21.0	68	36.4	187
All Other Sites	596	28.4	1,500	71.6	2,499	54.4	4,595
Total	25,455	52.2	23,270	47.8	11,783	19.5	60,508

Clinical expression (e.g. signs and symptoms) develop in later stages of cancer, at times near death. Advances in medical science have produced scientific evidence of clinical preventive services, including: knowledge of risk factors associated with specific types of cancer, early diagnosis methodologies, and population-based screening for frequently occurring cancers. Screening tests individuals who may be at risk and do not display symptoms by looking for primary or precancerous lesions. Progress against cancer can be measured by lower cancer mortality rates, having longer survival, and by detecting cancer earlier at more treatable stages of disease. Although surveillance of late-stage incidence and survival by type of cancer can be an effective tool to measure trends, it is dependent on the quality of clinical information submitted by reporters in medical facilities.

Early Diagnosis: Cancer In situ and Localized.

Late Diagnosis: a) Cancer Regional by direct extension, extension to Regional lymph nodes, or both.
b) Distant metastases/systemic disease.

Figure 29: Percent of Late Diagnosis Among 10 Most Frequent Types of Cancer by Race/Ethnicity, Nevada, 2008-2012



SCREENING-DETECTED CANCERS BY STAGE AT DIAGNOSIS INCIDENCE AND CANCER SCREENING PREVALENCE-BRFSS

CANCERS DIAGNOSED AT LATE STAGES DESPITE AVAILABLE SCREENING TESTS

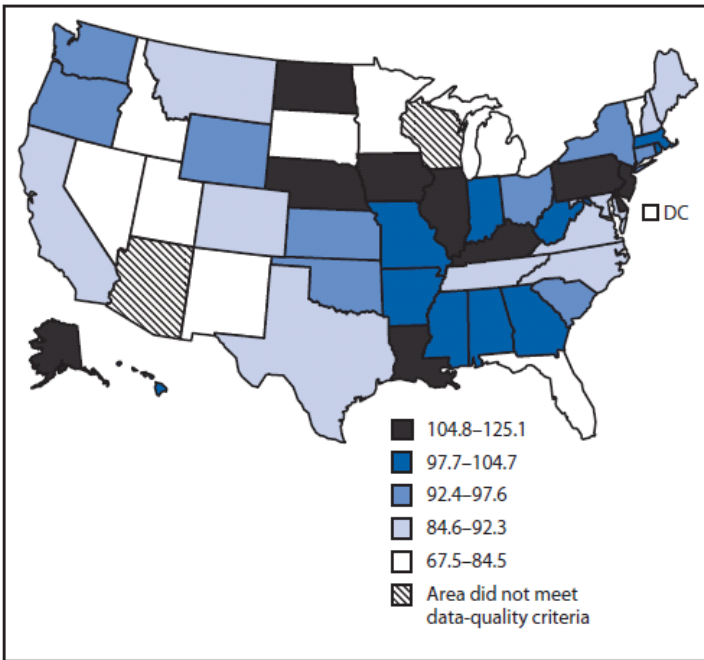
Researchers examined stage-specific cancer incidence rates and screening prevalence for breast, cervical, and colorectal cancer by demographic characteristics in states. National data on new cancer cases were obtained from cancer registries affiliated with CDC's National Program of Cancer Registries and the National Cancer Institute's Surveillance, Epidemiology and End Results program. State-level cancer screening data were obtained from CDC's Behavioral Risk Factor Surveillance System.⁷

CONCLUSION:

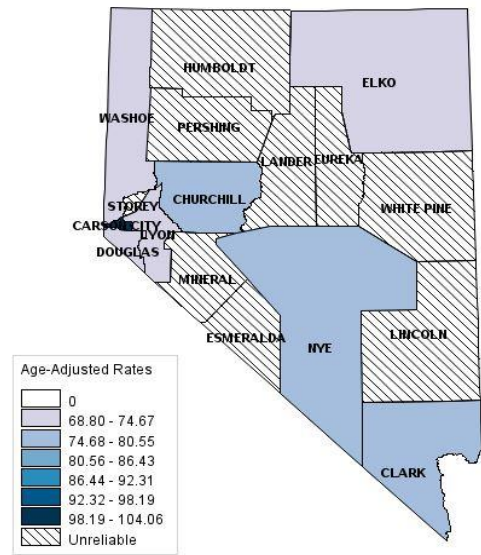
Almost half of the colorectal and cervical cancer cases and a third of the breast cancer cases in the United States are diagnosed at late stages, when treatment is more difficult. In this first report to highlight the nationwide incidence of late-stage cancer diagnosis and cancer screening prevalence, the incidence rates of late-stage cancers differed by age, race/ethnicity, and state.

Figure 30: Rate* of Late-stage Colorectal Cancer among men or women aged ≥50 years, Age-Adjusted Rates*, United States 2004-2006, and Nevada 2008-2012.

Rate* of Late-stage colorectal cancer among men aged ≥50 years, United States 2004-2006.

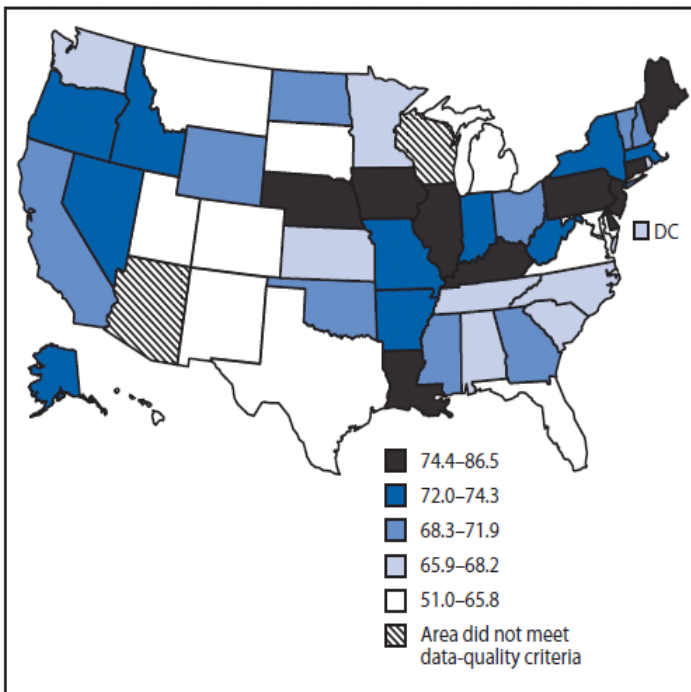


Nevada Colorectal (Male Only) Cancer Late Diagnosis Incidence (>=50 years old, All Races) by County, Age-Adjusted Rates*, 2008-2012

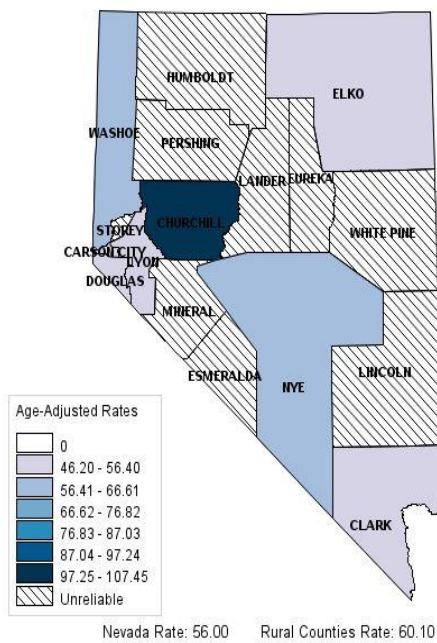


*Rates are per 100,000 persons greater than or equal to 50 years of age and age-adjusted to the 2000 US Census standard population

Rate* of late-stage colorectal cancer among women aged ≥50 years --- United States, † 2004—2006



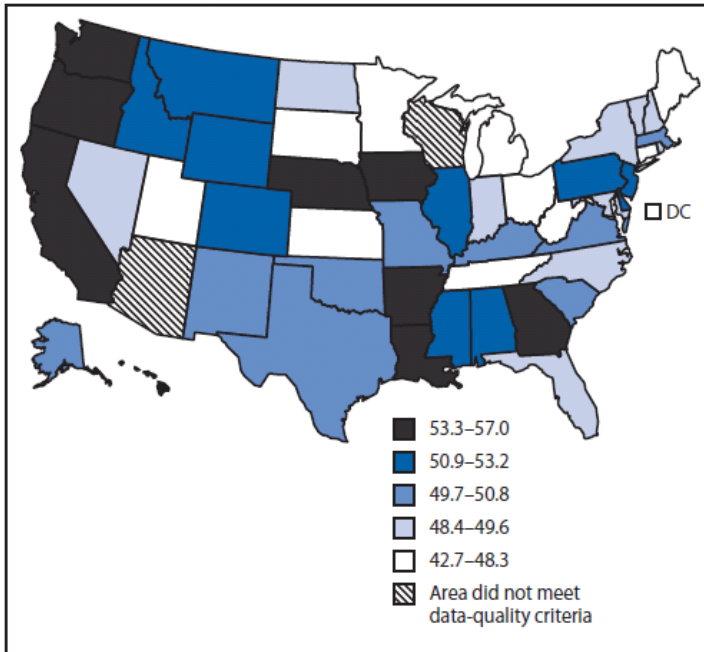
Nevada Colorectal (Female Only) Cancer Late Diagnosis Incidence (>=50 years old, All Races) by County, Age-Adjusted Rates*, 2008-2012



*Rates are per 100,000 persons greater than or equal to 50 years of age and age-adjusted to the 2000 US Census standard population

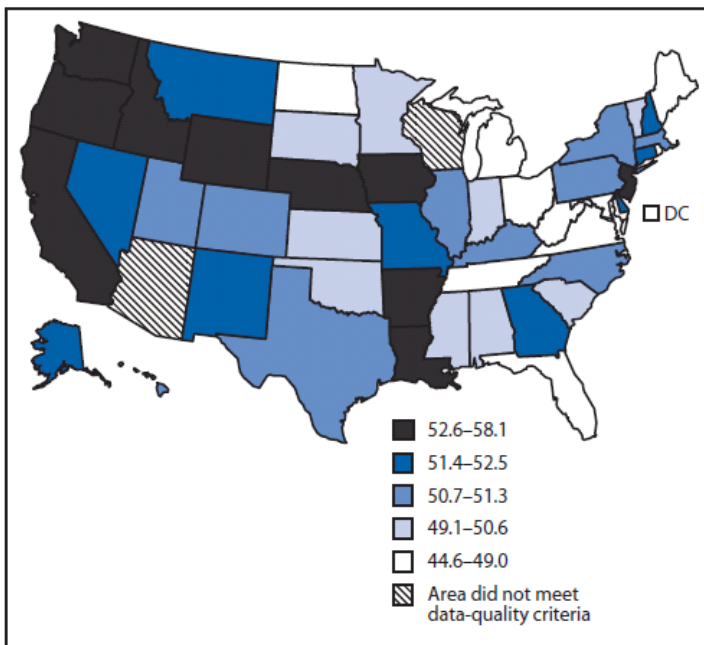
Figure 31: Percentage of Colorectal Cancers Diagnosed at Late stage among men or women aged ≥50 years, United States 2004-2006, and Nevada 2008-2012.

Percentage of colorectal cancers diagnosed at late stage among men aged ≥50 years --- United States,* 2004--2006



PERCENTAGE OF COLORECTAL CANCERS DIAGNOSED AT LATE STAGE AMONG MEN ≥ 50 YEARS IN NEVADA 2008-2012: 58.04% (16% Unstaged)

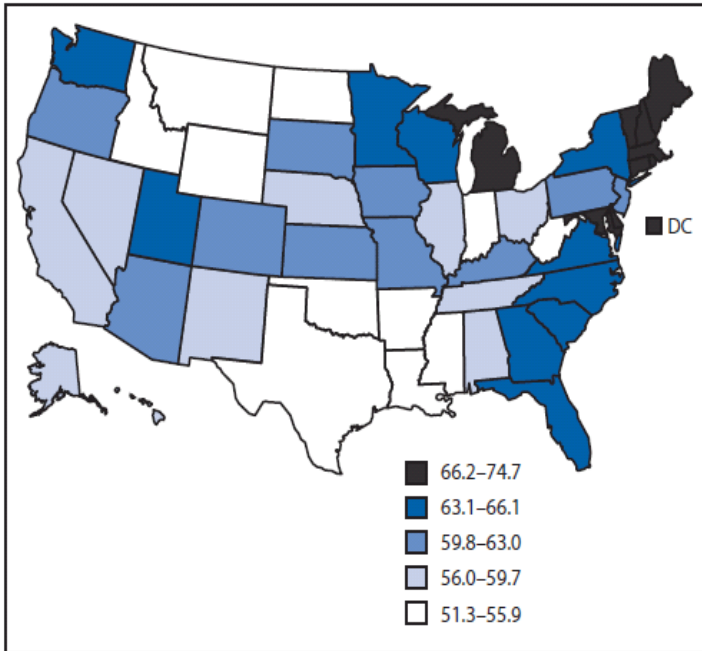
Percentage of colorectal cancers diagnosed at late stage among women aged ≥50 years --- United States,* 2004--2006



PERCENTAGE OF COLORECTAL CANCERS DIAGNOSED AT LATE STAGE AMONG WOMEN ≥50 YEARS IN NEVADA 2008-2012: 58.7% (15.7% Unstaged)

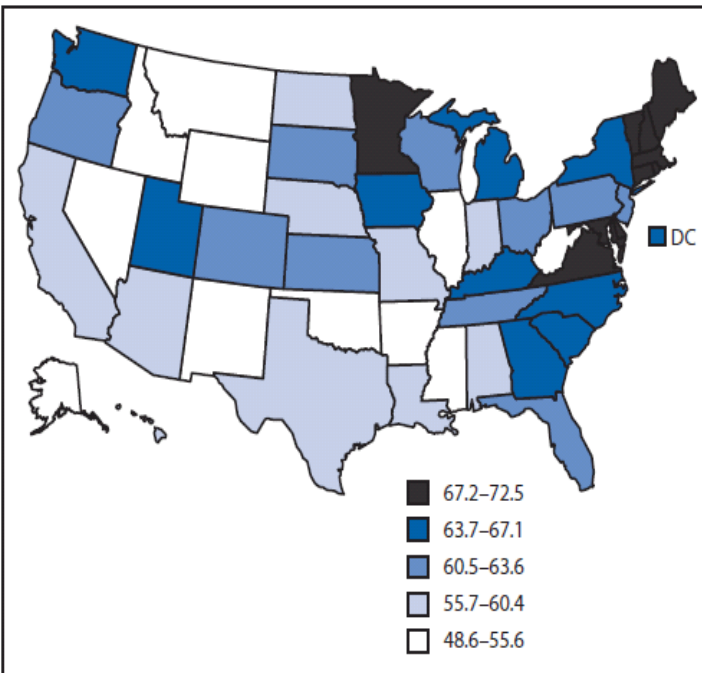
Figure 32: Percentage of men or women aged 50-75 years who had recommended Colorectal Cancer Screening. BRFSS United States 2008, and BRFSS Nevada 2012.* Determined by having met the U.S. Preventive Services Task Force recommendation of having a fecal occult blood test in the past year, a flexible sigmoidoscopy in the past 5 years, or a colonoscopy in the preceding 10 years.

Percentage of men aged 50--75 years who had recommended colorectal cancer screening* --- Behavioral Risk Factor Surveillance System, United States, 2008



PERCENTAGE OF MEN AGED 50-75 YEARS WHO HAD RECOMMENDED COLORECTAL CANCER SCREENING BRFSS NEVADA 2012: 90.7%*

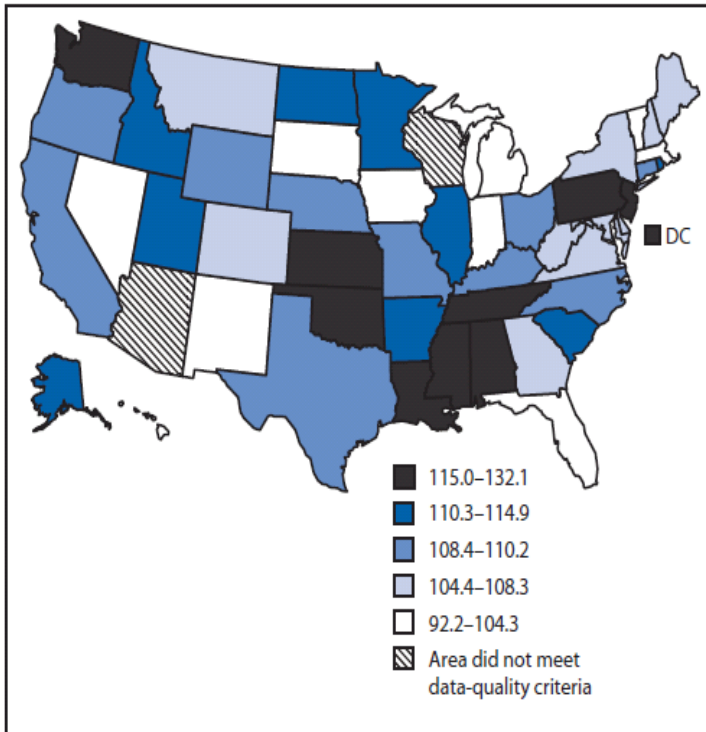
Percentage of women aged 50--75 years who had recommended colorectal cancer screening* --- Behavioral Risk Factor Surveillance System, United States, 2008



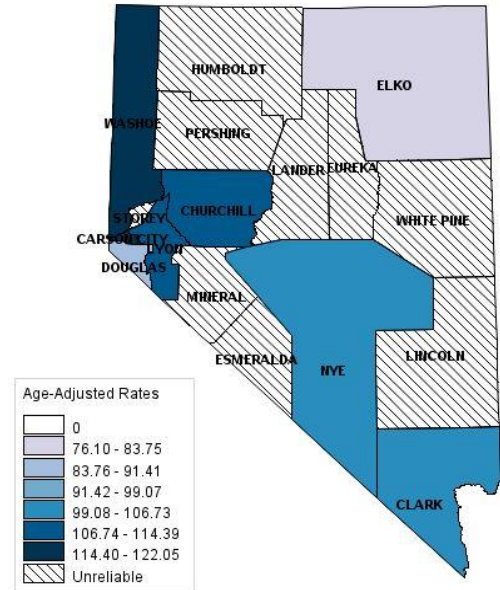
PERCENTAGE OF WOMEN AGED 50-75 YEARS WHO HAD RECOMMENDED COLORECTAL CANCER SCREENING BRFSS NEVADA 2012: 89.6%*

Figure 33: Rate* of Late-stage Invasive Breast Cancer (Female Only), Among Women aged ≥50 years, United States 2004-2006, and Nevada 2008-2012.

Rate* of late-stage invasive female breast cancer among women aged ≥50 years --- United States, † 2004--2006

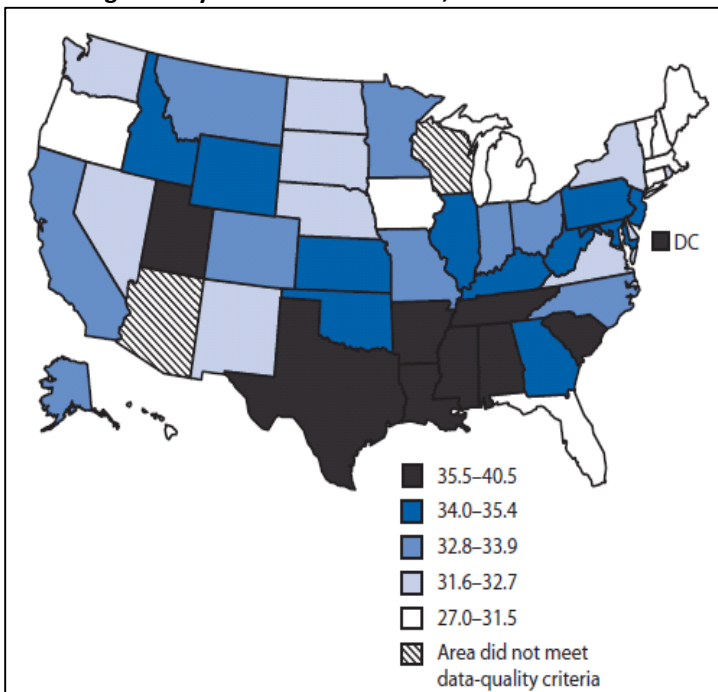


Nevada Breast (Female Only) Cancer Late Diagnosis Incidence (>=50 years old, All Races) by County, Age-Adjusted Rates*, 2008-2012



*Rates are per 100,000 persons greater than or equal to 50 years of age and age-adjusted to the 2000 US Census standard population

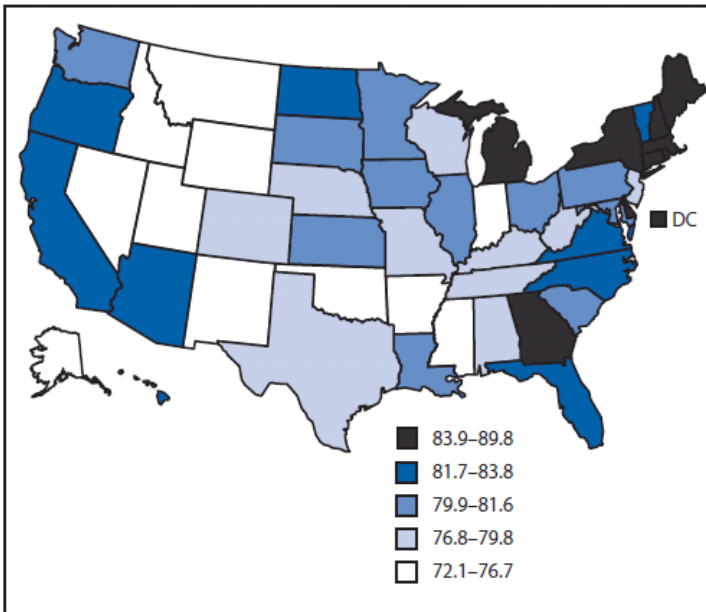
Percentage of breast cancers diagnosed at late stage among women aged ≥50 years --- United States,* 2004—2006



PERCENTAGE OF BREAST CANCERS DIAGNOSED AT LATE STAGE AMONG WOMEN AGED ≥50 YEARS, NEVADA 2008-2012: 35.8% (7.1% Unstaged)

Figure 34: Percentage of Women aged 50-74 years who had recommended Breast Cancer Screening, BRFSS United States 2008, and Nevada 2012. *Determined by having met the U.S. Preventive Services Task Force recommendation of having had a mammogram in the preceding 2 years.

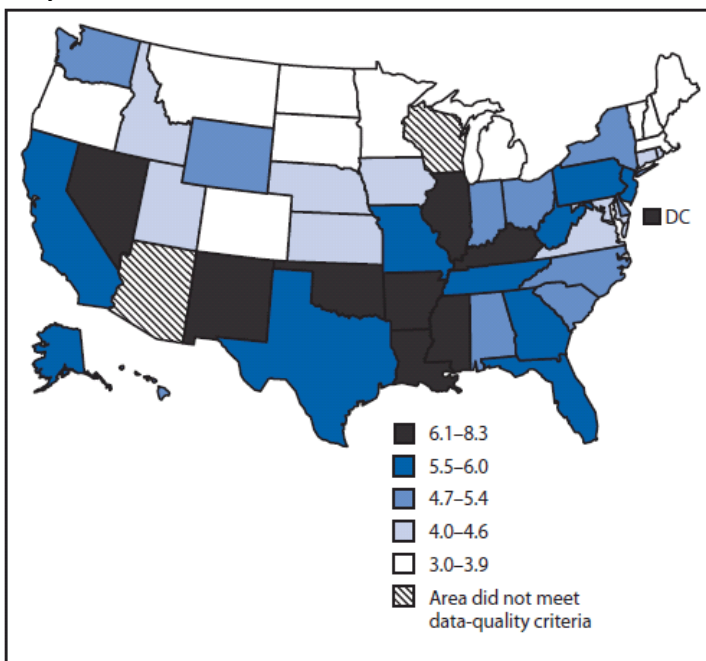
Percentage of women aged 50--74 years who had recommended breast cancer screening* --- Behavioral Risk Factor Surveillance System, United States, 2008



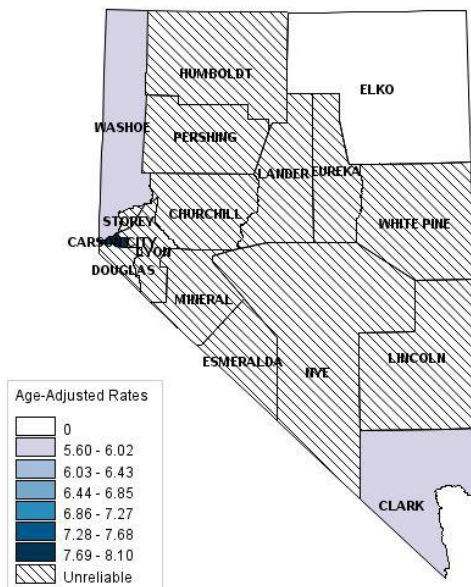
PERCENTAGE OF WOMEN AGED 50-74 WHO HAD RECOMMENDED BREAST CANCER SCREENING* NEVADA 2012: 89.6%

Figure 35: Rate* of Late-stage Invasive Cervical Cancer among women aged ≥ 20 years, United States 2004-2006, and Nevada 2008-2012

Rate* of late-stage invasive cervical cancer among women aged ≥20 years --- United States, † 2004—2006



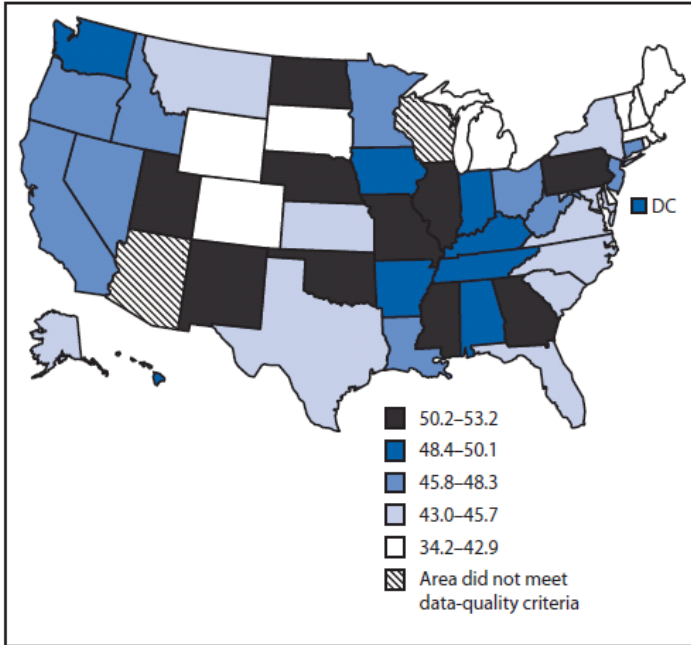
Nevada Cervix (Female Only) Cancer Late Diagnosis Incidence (>=20 years old, All Races) by County, Age-Adjusted Rates*, 2008-2012



Nevada Rate: 5.50 Rural Counties Rate: 4.10

*Rates are per 100,000 persons greater than or equal to 50 years of age and age-adjusted to the 2000 US Census standard population

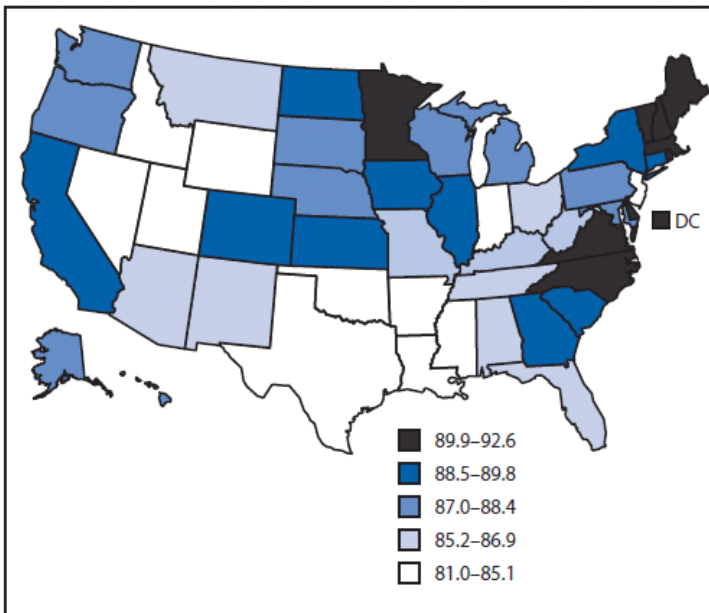
Percentage of cervical cancers diagnosed at late stage among women aged ≥20 years --- United States,* 2004--2006



PERCENTAGE OF CERVICAL CANCERS DIAGNOSED AT LATE STAGE AMONG WOMEN AGED ≥20 YEARS, NEVADA, 2008-2012: 58.3% (10.5% Unstaged)

Figure 36: Percentage of WOMEN Aged 21-64 years who had recommended Cervical Cancer Screening, BRFSS United States 2008, and Nevada 2012.* Determined by having met the U.S. Preventive Services Task Force recommendation of having had a Pap test in the preceding 3 years.

Percentage of women aged 21--64 years who had recommended cervical cancer screening* --- Behavioral Risk Factor Surveillance System, United States, 2008



PERCENTAGE OF WOMEN AGED 21-64 YEARS WHO HAD RECOMMENDED CERVICAL CANCER SCREENING* BRFSS NEVADA 2012: 76.9%

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