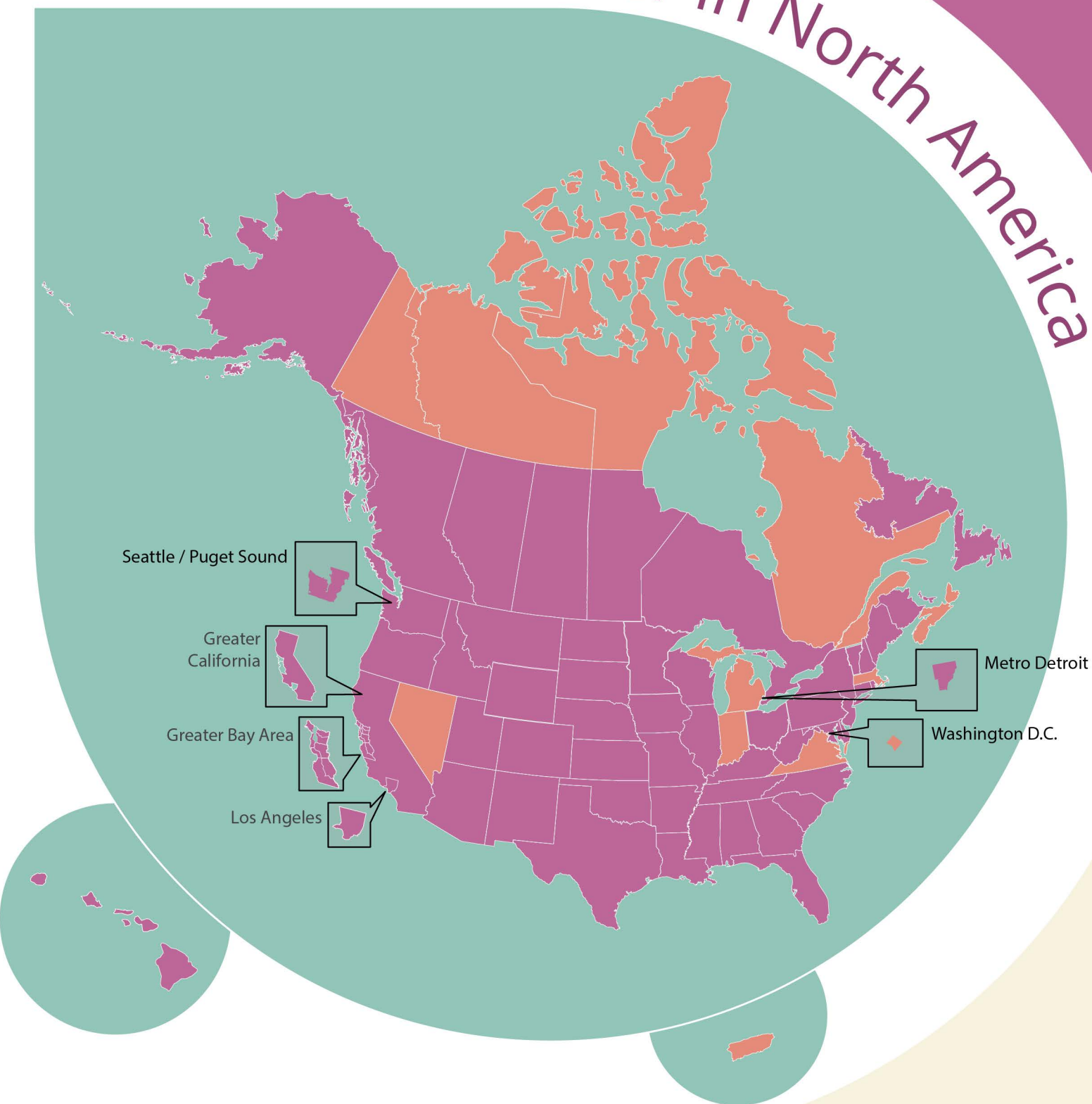


2014 - 2018: Cancer in North America



- PARTICIPATING REGISTRIES
- NOT PARTICIPATING

EXECUTIVE SUMMARY: Cancer in North America: 2014-2018

Members of the North American Association of Central Cancer Registries, Inc. (NAACCR) participate voluntarily in an annual call for data to develop a multi-registry, aggregated data resource for cancer surveillance and research. In this call for data, member registries data submissions are combined and used to create the CiNA Monograph and other CiNA products for data analyses and cancer incidence information (e.g., CiNA Explorer on-line query system, NACCCR Maps on-line query system, CiNA Public Use Dataset, and CiNA Deluxe Research Files). These preeminent cancer data resources are unparalleled in geographic scope, timeliness of statistics, and assurance of standardization of information and data quality. Standard data quality metrics are reported for all contributors.

In May of 2021, NAACCR released a five volume monograph, Cancer in North America (CiNA): 2014-2018. This release is the 31st publication of the series and the 29th release that includes statistics for both Canada and the United States (U.S.). This year's publication updates the five volume monograph, and presents cancer incidence data for all 50 U.S. states, the District of Columbia, Puerto Rico, and for 11 Canadian provinces and territories. We also report data by 5 regions: California (excluding the Greater Bay area and Los Angeles), and 4 SEER urban registries (Detroit, Los Angeles, San Francisco/Oakland, and Seattle). CiNA includes registry-specific data on stage at diagnosis, survival and delay adjusted estimates of counts and age-adjusted rates for selected cancers. These delay-adjustment figures provide a projection of the likely volume of tardy reports of cancer for the time period and is recommended for use in assessing current cancer incidence trends.

The CiNA Monograph encompasses five separate volumes:

Volume One: Combined Incidence for the United States, Canada, and North America

Includes aggregated cancer incidence data by cancer site, sex, race, ethnicity, and stage, including pediatric cancer and cancer by stage at diagnosis from high quality registries in the U.S. and Canada.

Volume Two: Registry-Specific Cancer Incidence in the United States and Canada

Includes registry-specific cancer incidence rates by cancer site, sex, race, ethnicity and stage for all NAACCR member registries submitting data for inclusion in the monograph. To help interpret the statistics, data tables for each registry include demographic and data quality information and registry descriptions.

Volume Three: Registry-Specific Cancer Mortality in the United States and Canada

Includes registry-specific cancer death rates by cancer site, sex, race, and ethnicity.

Volume Four: Cancer Survival in the United States and Canada

Includes cancer survival data for the U.S. and Canada from 58 registries on more than 12.8 million cases diagnosed among North Americans between 2011 and 2017.

Volume Five: Cancer Prevalence in the United States and Canada

Includes cancer prevalence estimates for the U.S. and Canada from 58 registries on more than 18 million cases diagnosed among North Americans between 2008 and 2017.

All CiNA volumes are available free of charge from the NAACCR website, along with accompanying technical data, including population data and supporting appendices.

This publication is made possible by the continuing efforts of the NAACCR member registries. High quality, standardized cancer incidence data aggregated across the states, provinces, territories, and regions in North America is made possible by the dedication of our members to cancer surveillance. The Editors would like to acknowledge the work and support of the National Cancer Institute, the National Center for Health Statistics, and Statistics Canada for their assistance in developing this publication.

We hope that Cancer in North America: 2014-2018, with the companion CiNA products and resources, facilitate studies of cancer burden, so that we are better able to identify, and understand, appropriate and important measures to control the myriad diseases known collectively as cancer.

The Editors May 2021

CANCER IN NORTH AMERICA: 2014-2018

VOLUME FOUR: CANCER SURVIVAL IN THE UNITED STATES AND CANADA 2011-2017

**A Publication of the North American Association of Central Cancer Registries, Inc.
(NAACCR)**

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May 2021

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CINA SURVIVAL PARTICIPANTS 2011-2017



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Section I

Introduction and Technical Notes



Cancer in North America: 2014-2018, Volume Four: Cancer Survival in the United States and Canada

Introduction and Technical Notes

INTRODUCTION

The North American Association of Central Cancer Registries, Inc. (NAACCR) is a professional organization that develops and promotes uniform data standards for cancer registration; provides education and training; certifies population-based registries; aggregates and publishes data from central cancer registries; and promotes the use of cancer surveillance data and systems for cancer control and epidemiologic research, public health programs, and patient care to reduce the burden of cancer in North America. NAACCR annually produces this statistical monograph on cancer in North America to provide cancer incidence, mortality, and other burden statistics for the United States (U.S.), Canada, and North America.

Annual cancer statistics for the U.S., for Canada, and for North America are presented in each of the five Cancer in North America (CiNA) Volumes. This year marks the 31st annual release of the series of Cancer in North America (CiNA) monographs; and the 29th year CiNA has included data from both the U.S. and Canada. The *2021 CiNA Survival Monograph* includes data from 8 of 13 Canadian provinces/territories, 45 U.S. states, and 5 regional SEER registries. The data in *CiNA Survival* reflect about 90% population coverage for the U.S. and 71% for Canada.

NAACCR issues an annual call for data to member registries to create the CiNA monograph and other useful CiNA products for data analyses and cancer incidence information (e.g., CiNA Explorer on-line query system, NAACCR Maps on-line query system, CiNA Public Use Dataset, and CiNA Deluxe Research Files). For more information on these products and the process for gaining access to them, please visit www.naacccr.org and select *Cancer in North America CiNA Data Products* under the *Research & Analytic Tools* tab.

This monograph is a testament to the continuing commitment by population-based cancer registries throughout the U.S. and Canada to collect the timely, complete, and accurate data that make this publication possible. An Editorial Board of member volunteers, with support from NAACCR staff and staff from Information Management Services, takes on the responsibility to oversee the call for data, evaluate all submissions, and make all editorial decisions in the production of the monograph. The objective of this work is to provide timely and useful information on the cancer burden in all geographic areas and race/ethnic groups in the U.S. and Canada.

CONTENTS OF THE CiNA MONOGRAPH:

The CiNA Monograph encompasses five separate volumes:

Volume One: Combined Incidence for the United States, Canada, and North America

Includes aggregated cancer incidence data by site, sex, race, ethnicity, and stage, including pediatric cancer and cancer by stage at diagnosis from high quality registries in the U.S. and Canada.

Volume Two: Registry-Specific Cancer Incidence in the United States and Canada

Includes registry-specific cancer incidence counts and rates by cancer site, sex, race, ethnicity and stage for all NAACCR member registries submitting data for inclusion in the monograph. To help interpret the statistics, data tables for each registry include demographic and data quality information and registry descriptions.

Volume Three: Registry-Specific Cancer Mortality in the United States and Canada

Includes registry-specific cancer death counts and rates by cancer site, sex, race, and ethnicity.

Volume Four: Cancer Survival in the United States and Canada

Includes cancer survival data for the U.S. and Canada from 58 registries on more than 12.8 million cases diagnosed among North Americans between 2011 and 2017.

Volume Five: Cancer Prevalence in the United States and Canada

Includes cancer prevalence estimates for the U.S. and Canada from 58 registries on more than 18 million cases diagnosed among North Americans between 2008 and 2017.

In the U.S., survival statistics are calculated for the following race populations: all races combined, white, and black. Race information is not collected in Canada, and thus is not presented.

Recent volumes of the CiNA publication, including sections containing rates standardized to the World Standard and the population counts used in the calculation of cancer rates are available for download on the NAACCR website, <https://www.naaccr.org/cancer-in-north-america-cina-volumes/>.

CiNA Volume Four: Cancer Survival in the United States and Canada

The North American Association of Central Cancer Registries (NAACCR) has been producing Cancer in North America (CiNA) incidence and mortality publications for 31 years. Along with incidence and mortality data, information on population-based cancer survival is necessary to understand the burden of cancer. NAACCR has produced the CiNA Survival Volume since March 2016 to provide cancer survival estimates on a wider population than was previously available.

The survival data presented in *CiNA Survival* includes data from 58 registries (which represent 8 Canadian provinces/territories, 45 U.S. states, and 5 regional SEER registries) on more than 12.8 million cases diagnosed among North Americans between 2011 and 2017 and represents 90% population coverage in the U.S. and 71% in Canada. *CiNA Survival* is comprised of three sections:

Section 1: Introduction and Technical Notes

Section 2: Five Year Age-Standardized Relative Survival Ratios for Cancer Diagnosed 2011-2017, United States, Canada and North America

Includes counts, relative survival ratios, and 95% confidence intervals for the U.S., Canada, and North America combined. These statistics are presented for all sites combined and for select cancer sites. The tables for each cancer site present statistics by stage, and specific age groups for each region. In the U.S. combined, survival statistics by white and black race are also presented.

Section 3: Five Year Age-Standardized Relative Survival Ratios for Cancers diagnosed 2011-2017, by Registry and Race

Includes counts, relative survival ratios, and 95% confidence intervals by registry and sex for select cancer sites. Survival statistics are available for the U.S. and Canadian registries for all races combined and for the U.S. registries by white and black race.

Special thanks go to Steve Scoppa and Rick Firth, Information Management Services, Inc., who prepared the analytic dataset used for this report; Chris Johnson, Cancer Data Registry of Idaho, and Reda Wilson, U.S. Centers for Disease Control and Prevention, who reviewed preliminary results; and all of the registry staff who contributed data.

TECHNICAL NOTES

For coding and other general technical information, please see the technical section of *CiNA: 2014–2018, Volume One: Combined Cancer Incidence for the United States, Canada and North America*.¹

Registry Inclusion. For registries to be included in *CiNA Survival* volume, they needed to: (1) provide consent, (2) meet CiNA incidence criteria for all relevant years, and (3) either meet the SEER standards for follow-up² or

ascertain deaths through the study cutoff date (December 31, 2017). For the November 2020 Call for Data, the publication of survival estimates in *CiNA* was included as a Primary Use of Data.

To meet the SEER standard for follow-up, a minimum of 90% of patients needed to have follow-up dates on or after January 1, 2018 or be deceased. These follow-up dates could have been the result of either passive or active patient follow-up mechanisms.³ We used the November 2020 Call for Data file to measure the follow-up rate and the NAACCR Call for Data Follow-Up Activities Form that is part of the annual call for data to learn what registries performed to ascertain deaths. For U.S. registries that did not meet the SEER standard for follow-up, it was necessary to conduct state death linkages and linkage with the National Death Index. For Canadian registries, it was necessary to conduct death linkages within the province or territory. National death clearance in Canada is on hold pending legal agreements among the provinces and Statistics Canada, which impacts follow-up for 2009 and later. However, because the number of deaths that occur out of province is a small proportion of total deaths, we believe that Canadian survival data are negligibly influenced by the lack of national death linkage.

The *CiNA Survival* publication includes diagnosis years 2011-2017 with follow-up through the end of 2017. Using information from the NAACCR Call for Data Follow-Up Activities Form, follow-up through 2017 was deemed to be the best balance between including the most current data and including the most registries. In terms of national coverage, *CiNA Survival* includes data from 8 of 13 Canadian provinces/territories and 45 of 52 US jurisdictions. National population coverage by *CiNA Survival* is about 90% for the U.S. and 71% for Canada.

The NAACCR U.S. combined and NAACCR Canadian combined statistics may not be representative of the total national populations. NAACCR North American survival statistics are a combination of U.S. and Canadian data. Data from 58 state, sub-state, and provincial or territorial registries are included in the registry-specific tables and statistics. To avoid double counting, data from sub-state registries in California and Washington were not included in the NAACCR U.S. combined or NAACCR North American statistics. Data from Detroit were included because the state of Michigan was not.

Statistical Methods. Relative survival is a measure of excess mortality experienced by cancer patients. It is calculated by dividing the observed survival from all causes of death for the patient cohort by the expected survival in a comparable group not diagnosed with cancer as estimated by life tables. Relative survival is based on the assumption of independent competing causes of death. It is a theoretical population-based measure representing cancer survival in the absence of other causes of death. Relative survival is useful as a policy statistic for comparing over time or between different geographic areas.

For *CiNA Survival*, we included cases categorized as “Malignant,” “Only malignant in ICD-O-3,” and “Only malignant 2010” per SEER behavior recode for analysis³ with age at diagnosis 15-99 during 2011-2017 with follow-up/death ascertainment through the study cutoff date of December 31, 2017.^a Cases reported solely via death certificates or autopsy were excluded. For registries conducting active follow-up, alive cases with no survival time were excluded from analysis. Using SEER 2007 Multiple Primary and Histology Coding Rules,⁴ we allowed for multiple primary cancers to be included for each patient, but only one record per patient was included in each survival estimate. For example, if a person was diagnosed with three primary tumors during 2011-2017, in the order of breast → colon → breast, then the first breast cancer case was used for breast cancer survival, the colon case was used for colon cancer survival, and the first breast cancer case was used for “all sites.” If a person had more than one tumor in a primary site category, but different stage, the first in each stage group was used in the stage-specific survival calculations. Likewise, if a person had more than one tumor in a

^a For the SEER Behavior Recode for Analysis, the term “malignant” means the case had a behavior code of 3 (malignant) in both ICD-O-2 and ICD-O-3. *In situ* urinary bladder cases are included with malignant cases for cancer incidence reporting and are treated thusly in this report.

primary site category, but different age groups at diagnosis, the first in each age group was used in the age-specific survival calculations. Thus, the sum of the cases in the age-specific analyses exceeds the “all ages” count, and the sum of the cases in the stage-specific analyses exceeds the “all stages” count.

SEER*Stat (version 8.3.9) was used to perform the survival calculations.⁶ Staff at Information Management Services, Inc. (Calverton, MD) prepared a SEER*Stat database for the purpose of calculating *CiNA Survival* statistics.⁷ The survival duration in months was calculated based on complete dates. For registries meeting SEER follow-up standards (SEER-18 registries plus Idaho, Montana, and New York), the survival duration for alive patients was calculated through the date of last contact (or study cutoff, if earlier). For the remaining registries, survival duration for alive patients was calculated through December 31, 2017, with all patients not known to be dead presumed to be alive on this date.

Survival calculations were performed using the actuarial method on monthly intervals, and 60-month age-standardized relative survival ratios (RSR) are reported in the results. We calculated relative survival using the Ederer II method to compute expected survival.⁷ The Ederer II method calculates the expected survival rates for patients under observation at each point of follow-up so the matched individuals are considered to be at risk until the corresponding cancer patient dies or is censored. Expected survival was estimated from life tables matched to the cancer patients by age, sex, year, and geographic area, and for the United States, also by race/ethnicity and socioeconomic status (SES).⁸ For Canada, official Statistics Canada life tables were used for all provinces and territories except Prince Edward Island. As complete life tables were not available for Prince Edward Island or the territories, expected survival for these jurisdictions were derived, up to age 99, from abridged life tables for Canada and the affected jurisdictions⁹ and from complete Canadian life tables¹⁰ using a method suggested by Dickman et al.¹¹ U.S. life tables included SES, while the Canadian life tables did not. It is not known what impact the different approaches to life table construction has on comparisons between U.S. and Canadian relative survival estimates. Cases were censored at an achieved age of 100 years.

Because the excess mortality due to cancer is often age dependent, relative survival estimates were age standardized using the International Cancer Survival Standards (ICSS) and age groups 15-44, 45-54, 55-64, 65-74, and 75+ (see Table 1, Weights used in SEER*Stat using the Five Default Age Groups).¹² There are three ICSS age standards, depending on cancer site: (1) standard 1 for sites that have increasing incidence with age, (2) standard 2 for sites that have relatively consistent incidence by age, and (3) standard 3 for sites with higher incidence among younger adults. We used ICSS age standard 1 for “All Sites” combined, breast, colon & rectum, corpus & uterus, esophagus, kidney & renal pelvis, larynx, leukemia, liver & intrahepatic bile duct, lung & bronchus, mesothelioma, myeloma, non-Hodgkin lymphoma, oral cavity & pharynx, ovary, pancreas, stomach, and urinary bladder. For prostate cancer, relative survival estimates were age standardized using the ICSS age standard 1 and age groups 15-54, 55-64, 65-74, 75-84, and 85+ with weights: 19, 23, 29, 23, and 6, respectively. We used ICSS age standard 2 for brain and other nervous system, cervix uteri, melanoma of the skin, and thyroid; and ICSS age standard 3 for Hodgkin lymphoma and testis.

Survival statistics were not calculated if the number of cases was fewer than 10. If the number of cases was between 10 and 49, age standardization was not performed, and unstandardized RSRs were calculated (as footnoted in the tables). If the number of cases was 50 or more, age-standardized RSRs were calculated unless: (1) there were no cases in one or more of the age groups, or a constituent age-specific RSR could not be calculated; (2) the width of the confidence interval for the age-standardized estimate was > 40 percentage points; or (3) the standard error of the age-standardized estimate was $\geq 10\%$. In those instances, unstandardized RSRs were used instead. Estimates of unstandardized RSRs were suppressed if the width of the confidence interval for the RSR was > 40 percentage points or the standard error for an RSR was $\geq 10\%$. If the last patient involved in a survival calculation is censored alive prior to 60 months, the RSR at 60 months is not defined.

Table 1. ICSS Weights used in SEER*Stat using the Five Default Age Groups

Age Standard for Survival (15-44, 45-54, 55-64, 65-74, 75+)	Population Weights		
	ICSS 1	ICSS 2	ICSS 3
15-44 years	7	28	60
45-54 years	12	17	10
55-64 years	23	21	10
65-74 years	29	20	10
75+ years	29	14	10

RSRs are displayed as percentages in this document. RSRs can be more than 100% when the observed survival is higher than the expected survival (e.g., for localized stage prostate cancer). In these situations, RSRs were capped at 100%. If the RSR is greater than or equal to 100%, no confidence intervals are shown. If the RSR is less than 100%, but rounds to 100.0% in the tables (one decimal point), confidence intervals are shown. Cumulative relative survival can exceed the survival in the previous time interval when the observed survival decreases more slowly than the expected survival. In these situations, RSRs and standard errors were imputed using the values from the previous time interval. For 0% RSR, the standard error is not defined and the confidence interval is not calculable.

Two sets of statistics for all sites combined are presented. The first is labeled “All Sites” and shows the age-standardized RSRs for all sites combined using the ICSS age standard 1. The “All Sites” survival statistics reflect the primary site distribution in each jurisdiction, so the RSR for Idaho, for example, may not be comparable to the RSR for Kentucky because Kentucky has higher rates of highly fatal, smoking-related cancers. The second is labeled “All Sites (CSI)” and shows a composite survival index. The index is the weighted sum of the site-specific RSRs, with the weights derived from the proportionate distribution of NAACCR North American incidence counts for diagnosis years 2006-2008 as reported for the November 2014 Call for Data. This range of years was selected because the incidence data were mature enough for reporting delay to be trivial. Case counts used to derive the weights were limited to ages 15 and older, malignant behavior (plus urinary bladder *in situ*), and the SEER area-based registries were excluded to avoid double counting for their respective states. The “All Sites (CSI)” statistics are comparable between jurisdictions because they are standardized by age, sex, and primary site distribution (but not race). This type of index has been suggested for use as an indicator for cancer control.¹³⁻¹⁵ For calculating the index, if a site-specific age-standardized RSR was not available for a jurisdiction, such as for rare cancers in smaller populations, the estimate was replaced with that of the country (U.S. or Canada) that contains the jurisdiction. This replacement was conducted by race for the U.S. (total, white, and Black tables). Confidence intervals for the index were calculated using the normal approximation on the log scale, as suggested in the Corazziari *et al.* paper.¹⁶ There are more cases included in the “All Sites (CSI)” category than for “All Sites” because only one case per person is included in “All Sites,” but a person could contribute one case each to many of the individual site categories in “All Sites (CSI)”. The confidence intervals for “All Sites (CSI)” estimates can be narrower than for “All Sites” because of the national replacement data and the larger numbers of cases. If more than 30% of the site-specific age-standardized RSR estimates were not available for a jurisdiction, and were replaced with that of the country, the “All Sites (CSI)” estimate was suppressed.

For tables presenting RSRs by stage, SEER Summary Stage 2000 was used for diagnosis years 2015-2017 and Derived Summary Stage for 2011-2014.^{17,18} The race category “white” includes both white non-Hispanics and white Hispanics. Pinheiro *et al.* have shown that in SEER data, Hispanics and Asians are more likely to have incomplete follow-up than non-Hispanic whites or Blacks, and those with worse prognoses are more likely to have incomplete follow-up than those with better prognoses.¹⁹ In addition, death ascertainment among Hispanics may be biased for all causes of death, not just cancer-related causes, so life tables for Hispanics may also be problematic. Survival statistics are not presented by ethnicity for these reasons.

Variation in survival by registry catchment area can be due to several factors, including but not limited to: (1) differences in demographic characteristics related to race, ethnicity, and SES; (2) cancer screening rates; (3) access to and quality of care; and (4) cancer registration practices that impact case ascertainment, date of diagnosis and follow-up. In registries for which survival time was calculated using the “presumed alive” method, survival may be positively biased.²⁰ The life tables currently available for calculating expected survival may not completely reflect all factors contributing to variation in all-cause mortality, such as smoking. Interpretation of the results should include these considerations.

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Section II

Five Year Age-Standardized Relative Survival Ratios for Cancers Diagnosed 2011-2017, United States, Canada and North America



Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for All Sites (invasive)

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	9,597,381	64.8	64.7 - 64.8	4,835,297	63.5	63.4 - 63.6	4,762,084	65.8	65.7 - 65.9
Total (CSI ²)	10,057,199	65.4	65.3 - 65.4	5,106,070	64.4	64.4 - 64.5	4,951,129	66.4	66.3 - 66.4
Race									
White	8,016,343	65.2	65.2 - 65.3	4,048,464	63.6	63.5 - 63.6	3,967,879	66.7	66.6 - 66.7
White (CSI ²)	8,415,312	65.8	65.7 - 65.8	4,284,837	64.6	64.6 - 64.7	4,130,475	67.0	67.0 - 67.1
Black	1,065,678	59.0	58.8 - 59.1	536,717	59.9	59.7 - 60.1	528,961	57.6	57.4 - 57.8
Black (CSI ²)	1,111,731	59.0	58.8 - 59.2	563,379	58.8	58.5 - 59.1	548,352	59.2	59.0 - 59.4
Stage									
Localized (incl. <i>in situ</i> bladder)	4,595,786	88.1	88.1 - 88.2	2,305,350	87.4	87.3 - 87.5	2,290,436	88.7	88.6 - 88.8
Regional	2,101,649	60.6	60.5 - 60.7	965,374	56.5	56.4 - 56.7	1,136,275	64.0	63.8 - 64.1
Distant	2,530,051	29.9	29.9 - 30.0	1,357,111	29.4	29.3 - 29.5	1,172,940	30.6	30.5 - 30.7
Unstaged	721,843	46.2	46.0 - 46.3	402,941	48.8	48.6 - 49.1	318,902	42.5	42.3 - 42.7
Age Group*									
15-44	760,617	83.8	83.7 - 83.9	276,726	79.4	79.3 - 79.6	483,891	86.3	86.2 - 86.4
45-54	1,240,531	74.9	74.8 - 75.0	529,293	69.3	69.2 - 69.5	711,238	79.0	78.9 - 79.1
55-64	2,409,381	69.3	69.2 - 69.3	1,281,106	67.3	67.2 - 67.4	1,128,275	71.5	71.4 - 71.6
65-74	2,753,510	65.9	65.8 - 65.9	1,527,568	66.3	66.2 - 66.4	1,225,942	65.3	65.2 - 65.5
75+	2,504,587	51.4	51.3 - 51.5	1,261,305	51.4	51.3 - 51.6	1,243,282	51.3	51.2 - 51.5

NAACCR Canadian Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	
Total	918,863	64.9	64.7 - 65.0	464,192	63.7	63.5 - 63.9	454,671	65.8	65.6 - 66.0	
Total (CSI ²)	969,266	64.9	64.8 - 65.0	493,560	63.8	63.6 - 64.0	475,706	66.0	65.9 - 66.2	
Stage										
Localized (incl. <i>in situ</i> bladder)	271,504	91.7	91.5 - 91.9	130,120	91.6	91.2 - 91.9	141,384	91.7	91.4 - 92.0	
Regional	150,339	67.7	67.4 - 68.1	64,219	65.6	65.1 - 66.2	86,120	69.1	68.6 - 69.6	
Distant	226,689	37.2	36.9 - 37.5	129,196	39.9	39.5 - 40.4	97,493	33.6	33.2 - 34.1	
Unstaged	313,198	55.5	55.2 - 55.7	164,447	53.3	53.0 - 53.7	148,751	57.8	57.5 - 58.2	
Age Group*										
15-44	68,194	85.9	85.6 - 86.2	24,836	83.1	82.5 - 83.7	43,358	87.5	87.1 - 87.9	
45-54	110,904	77.8	77.5 - 78.1	44,697	72.7	72.2 - 73.2	66,207	81.3	80.9 - 81.6	
55-64	215,615	70.9	70.7 - 71.2	111,843	68.9	68.5 - 69.2	103,772	73.1	72.8 - 73.5	
65-74	259,181	65.2	65.0 - 65.5	144,336	65.4	65.1 - 65.8	114,845	65.0	64.6 - 65.4	
75+	272,784	49.2	48.9 - 49.6	142,846	49.3	48.9 - 49.8	129,938	49.1	48.7 - 49.6	

NAACCR North America Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	
Total	10,516,244	64.8	64.7 - 64.8	5,299,489	63.5	63.4 - 63.6	5,216,755	65.8	65.7 - 65.9	
Total (CSI ²)	11,026,465	65.3	65.3 - 65.4	5,599,630	64.4	64.3 - 64.5	5,426,835	66.4	66.3 - 66.4	
Stage										
Localized (incl. <i>in situ</i> bladder)	4,867,290	88.4	88.3 - 88.4	2,435,470	87.6	87.6 - 87.7	2,431,820	88.9	88.8 - 89.0	
Regional	2,251,988	61.1	61.0 - 61.2	1,029,593	57.1	57.0 - 57.3	1,222,395	64.4	64.2 - 64.5	
Distant	2,756,740	30.5	30.4 - 30.6	1,486,307	30.2	30.1 - 30.3	1,270,433	30.8	30.7 - 30.9	
Unstaged	1,035,041	49.1	49.0 - 49.2	567,388	50.3	50.2 - 50.5	467,653	47.4	47.2 - 47.6	
Age Group*										
15-44	828,811	84.0	83.9 - 84.1	301,562	79.8	79.6 - 79.9	527,249	86.4	86.3 - 86.5	
45-54	1,351,435	75.1	75.0 - 75.2	573,990	69.6	69.4 - 69.7	777,445	79.2	79.1 - 79.3	
55-64	2,624,996	69.4	69.3 - 69.5	1,392,949	67.4	67.3 - 67.5	1,232,047	71.6	71.5 - 71.7	
65-74	3,012,691	65.8	65.7 - 65.9	1,671,904	66.2	66.1 - 66.3	1,340,787	65.3	65.2 - 65.4	
75+	2,777,371	51.2	51.1 - 51.3	1,404,151	51.2	51.1 - 51.4	1,373,220	51.1	51.0 - 51.3	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

² See Technical Notes for the difference between age-standardized RSR and Standardized using a composite survival index (CSI).

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Oral Cavity & Pharynx

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	267,244	61.7	61.3 - 62.0	191,020	60.6	60.2 - 61.1	76,224	63.9	63.4 - 64.5			
Race												
White	230,493	62.9	62.6 - 63.2	166,021	62.0	61.6 - 62.5	64,472	64.8	64.2 - 65.4			
Black	22,921	45.7	44.5 - 46.9	15,808	43.2	41.7 - 44.7	7,113	51.8	49.7 - 53.7			
Stage												
Localized	82,515	78.2	77.7 - 78.8	50,115	76.9	76.1 - 77.6	32,400	80.5	79.7 - 81.3			
Regional	130,359	59.4	58.9 - 59.9	100,599	60.2	59.6 - 60.8	29,760	56.6	55.8 - 57.5			
Distant	41,554	35.1	34.5 - 35.8	31,567	34.8	34.0 - 35.6	9,987	35.6	34.3 - 36.8			
Unstaged	17,140	52.5	51.3 - 53.6	11,744	51.4	49.9 - 52.9	5,396	55.1	53.2 - 57.0			
Age Group*												
15-44	16,814	79.8	79.0 - 80.6	10,409	76.6	75.6 - 77.6	6,405	85.1	84.0 - 86.2			
45-54	46,178	70.4	69.8 - 70.9	34,565	69.8	69.1 - 70.4	11,613	72.2	71.1 - 73.2			
55-64	84,900	65.6	65.2 - 66.1	64,982	65.0	64.4 - 65.5	19,918	67.8	66.9 - 68.7			
65-74	68,875	61.4	60.8 - 62.0	50,206	60.3	59.6 - 61.0	18,669	64.3	63.3 - 65.4			
75+	51,381	50.8	49.9 - 51.6	31,461	50.0	48.8 - 51.1	19,920	51.9	50.6 - 53.2			

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	23,729	60.9	59.9 - 61.9	16,494	59.8	58.5 - 61.0	7,235	63.1	61.4 - 64.7			
Stage												
Localized	1,852	82.3	78.5 - 85.5	1,179	81.9	76.9 - 85.9	673	82.8	76.6 - 87.5			
Regional	2,311	59.5	56.0 - 62.8	1,699	58.4	53.8 - 62.8	612	60.0	54.4 - 65.2			
Distant	1,444	34.9	31.5 - 38.3	1,077	34.1	30.3 - 37.9	367	34.9	27.6 - 42.4			
Unstaged	18,189	60.5	59.4 - 61.6	12,584	59.3	57.9 - 60.7	5,605	62.5	60.6 - 64.2			
Age Group*												
15-44	1,559	83.8	81.4 - 85.9	939	80.6	77.4 - 83.4	620	88.5	84.8 - 91.4			
45-54	3,932	75.5	73.7 - 77.1	2,879	74.5	72.4 - 76.5	1,053	78.0	74.8 - 80.9			
55-64	7,078	67.6	66.0 - 69.0	5,340	66.5	64.8 - 68.2	1,738	70.7	67.6 - 73.6			
65-74	6,026	58.6	56.7 - 60.4	4,299	58.1	55.9 - 60.3	1,727	59.8	56.4 - 62.9			
75+	5,231	46.3	43.8 - 48.7	3,104	44.9	41.6 - 48.2	2,127	48.1	44.4 - 51.6			

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	290,973	61.6	61.3 - 61.9	207,514	60.6	60.2 - 60.9	83,459	63.8	63.3 - 64.4			
Stage												
Localized	84,367	78.3	77.8 - 78.9	51,294	77.0	76.2 - 77.7	33,073	80.6	79.7 - 81.4			
Regional	132,670	59.4	58.9 - 59.9	102,298	60.2	59.5 - 60.8	30,372	56.7	55.9 - 57.6			
Distant	42,998	35.1	34.5 - 35.8	32,644	34.8	34.0 - 35.6	10,354	35.6	34.4 - 36.8			
Unstaged	35,329	56.7	55.9 - 57.5	24,328	55.6	54.6 - 56.6	11,001	59.0	57.7 - 60.3			
Age Group*												
15-44	18,373	80.2	79.4 - 80.9	11,348	77.0	76.0 - 77.9	7,025	85.4	84.4 - 86.5			
45-54	50,110	70.8	70.2 - 71.3	37,444	70.1	69.5 - 70.7	12,666	72.6	71.6 - 73.6			
55-64	91,978	65.8	65.3 - 66.2	70,322	65.1	64.6 - 65.6	21,656	68.1	67.2 - 68.9			
65-74	74,901	61.2	60.6 - 61.7	54,505	60.1	59.5 - 60.8	20,396	63.9	63.0 - 64.9			
75+	56,612	50.3	49.5 - 51.1	34,565	49.5	48.4 - 50.6	22,047	51.5	50.3 - 52.7			

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Esophagus**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	103,994	20.4	20.0 - 20.7		82,135	19.6	19.2 - 20.0		21,859	23.5	22.7 - 24.3	
Race												
White	90,670	20.8	20.4 - 21.2		72,706	20.1	19.7 - 20.6		17,964	23.8	22.9 - 24.8	
Black	9,762	14.2	13.1 - 15.2		6,730	12.1	10.9 - 13.3		3,032	18.6	16.6 - 20.7	
Stage												
Localized	19,627	46.9	45.8 - 48.0		15,001	47.9	46.6 - 49.2		4,626	43.6	41.4 - 45.8	
Regional	35,533	25.1	24.3 - 25.8		27,940	24.0	23.2 - 24.8		7,593	28.8	27.3 - 30.3	
Distant	36,752	5.0	4.7 - 5.4		30,430	4.6	4.2 - 4.9		6,322	7.3	6.4 - 8.2	
Unstaged	12,376	16.1	15.1 - 17.2		8,979	15.1	13.9 - 16.3		3,397	19.1	17.1 - 21.3	
Age Group*												
15-44	2,289	25.9	23.6 - 28.2		1,821	23.2	20.8 - 25.8		468	36.3	31.2 - 41.5	
45-54	10,590	22.0	21.0 - 23.0		8,591	20.6	19.5 - 21.7		1,999	28.1	25.6 - 30.6	
55-64	28,640	21.3	20.6 - 21.9		23,570	20.6	19.9 - 21.3		5,070	24.4	22.8 - 26.1	
65-74	32,996	23.0	22.3 - 23.6		26,797	22.4	21.7 - 23.1		6,199	25.4	23.9 - 26.9	
75+	29,541	15.0	14.3 - 15.7		21,402	14.6	13.8 - 15.5		8,139	15.9	14.6 - 17.2	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	10,223	17.8	16.7 - 18.9		7,773	17.4	16.2 - 18.7		2,450	19.6	17.3 - 22.0	
Stage												
Localized	342	43.0	36.1 - 49.7		260	44.7	36.8 - 52.2		82	39.6	28.8 - 50.2	
Regional	667	23.7	19.1 - 28.5		512	21.8	16.8 - 27.3 *		155	27.6	19.5 - 36.2	
Distant	1,211	5.5	4.0 - 7.4		998	5.2	3.6 - 7.2 *		213	7.2	3.5 - 12.6 *	
Unstaged	8,006	18.0	16.7 - 19.3		6,004	17.7	16.3 - 19.1		2,002	19.5	16.8 - 22.3	
Age Group*												
15-44	185	28.6	21.1 - 36.6		150	28.7	20.4 - 37.5		35	30.3	14.7 - 47.6	
45-54	927	21.1	17.9 - 24.6		751	20.0	16.5 - 23.8		176	26.2	18.4 - 34.7	
55-64	2,728	20.1	18.2 - 22.0		2,192	19.3	17.2 - 21.5		536	23.0	18.7 - 27.6	
65-74	3,093	18.5	16.6 - 20.4		2,428	18.0	16.0 - 20.2		665	19.9	16.0 - 24.0	
75+	3,298	11.4	9.7 - 13.2		2,260	11.4	9.4 - 13.6		1,038	11.2	8.5 - 14.3	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	114,217	20.1	19.8 - 20.5		89,908	19.4	19.0 - 19.8		24,309	23.1	22.3 - 23.9	
Stage												
Localized	19,969	46.9	45.8 - 48.0		15,261	47.9	46.6 - 49.2		4,708	43.4	41.2 - 45.6	
Regional	36,200	25.0	24.3 - 25.8		28,452	24.0	23.2 - 24.8		7,748	28.8	27.3 - 30.3	
Distant	37,963	5.1	4.7 - 5.4		31,428	4.6	4.2 - 5.0		6,535	7.2	6.4 - 8.2	
Unstaged	20,382	16.9	16.1 - 17.7		14,983	16.1	15.2 - 17.1		5,399	19.5	17.9 - 21.2	
Age Group*												
15-44	2,474	26.1	23.9 - 28.3		1,971	23.6	21.2 - 26.0		503	35.9	30.9 - 40.8	
45-54	11,517	22.0	21.0 - 22.9		9,342	20.6	19.5 - 21.6		2,175	27.9	25.5 - 30.3	
55-64	31,368	21.2	20.6 - 21.8		25,762	20.5	19.8 - 21.2		5,606	24.3	22.8 - 25.8	
65-74	36,089	22.6	22.0 - 23.2		29,225	22.0	21.4 - 22.7		6,864	24.9	23.4 - 26.3	
75+	32,839	14.6	14.0 - 15.3		23,662	14.3	13.6 - 15.1		9,177	15.3	14.2 - 16.5	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Stomach**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	148,735	33.7	33.4 - 34.1	92,056	30.1	29.7 - 30.5	56,679	39.9	39.4 - 40.5
Race									
White	111,425	32.7	32.3 - 33.1	70,773	29.2	28.7 - 29.7	40,652	39.0	38.4 - 39.7
Black	23,424	34.9	34.0 - 35.8	13,318	29.5	28.4 - 30.7	10,106	42.2	40.8 - 43.6
Stage									
Localized	44,125	70.6	69.9 - 71.3	24,604	66.1	65.1 - 67.0	19,521	76.3	75.4 - 77.2
Regional	38,380	31.0	30.3 - 31.7	25,805	30.4	29.5 - 31.2	12,575	32.4	31.2 - 33.6
Distant	50,122	6.5	6.2 - 6.8	32,804	6.3	5.9 - 6.7	17,318	6.9	6.3 - 7.4
Unstaged	16,681	30.4	29.4 - 31.4	9,166	23.9	22.6 - 25.2	7,515	38.9	37.3 - 40.5
Age Group*									
15-44	8,683	40.5	39.2 - 41.8	4,525	34.9	33.1 - 36.7	4,158	46.5	44.6 - 48.3
45-54	17,160	38.0	37.1 - 38.9	10,384	33.0	31.9 - 34.2	6,776	46.0	44.5 - 47.5
55-64	33,229	36.5	35.8 - 37.2	21,938	32.0	31.1 - 32.8	11,291	45.6	44.4 - 46.8
65-74	41,201	35.8	35.2 - 36.5	27,094	31.9	31.1 - 32.7	14,107	43.2	42.1 - 44.3
75+	48,579	26.0	25.3 - 26.6	28,178	24.4	23.5 - 25.3	20,401	28.1	27.1 - 29.1

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	17,382	30.8	29.9 - 31.7	11,271	29.2	28.0 - 30.4	6,111	34.0	32.4 - 35.5
Stage									
Localized	824	65.2	60.2 - 69.8	518	65.3	58.9 - 71.1	306	65.5	57.6 - 72.3
Regional	1,036	30.1	26.4 - 33.9	723	29.0	24.8 - 33.4 *	313	29.6	22.5 - 37.0
Distant	1,765	4.6	3.3 - 6.1	1,190	5.1	3.5 - 7.2	575	3.0	1.5 - 5.5 *
Unstaged	13,768	32.3	31.3 - 33.4	8,845	30.3	29.0 - 31.7	4,923	36.0	34.2 - 37.7
Age Group*									
15-44	728	43.5	39.3 - 47.6	376	43.0	37.2 - 48.8	352	43.9	37.9 - 49.8
45-54	1,712	34.8	32.0 - 37.5	1,102	30.8	27.4 - 34.2	610	41.8	37.1 - 46.4
55-64	3,577	30.5	28.6 - 32.5	2,445	28.5	26.2 - 30.9	1,132	34.5	31.1 - 38.0
65-74	4,748	33.7	31.9 - 35.5	3,269	31.8	29.6 - 34.0	1,479	37.9	34.7 - 41.1
75+	6,629	23.4	21.8 - 25.1	4,089	23.1	20.9 - 25.2	2,540	24.0	21.5 - 26.5

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	166,117	33.4	33.1 - 33.7	103,327	30.0	29.6 - 30.4	62,790	39.4	38.8 - 39.9
Stage									
Localized	44,949	70.5	69.9 - 71.2	25,122	66.1	65.1 - 67.0	19,827	76.2	75.2 - 77.1
Regional	39,416	31.0	30.3 - 31.6	26,528	30.4	29.5 - 31.2	12,888	32.4	31.2 - 33.5
Distant	51,887	6.4	6.1 - 6.7	33,994	6.2	5.9 - 6.6	17,893	6.8	6.2 - 7.3
Unstaged	30,449	31.0	30.2 - 31.7	18,011	27.0	26.0 - 27.9	12,438	37.2	36.0 - 38.4
Age Group*									
15-44	9,411	40.8	39.6 - 42.0	4,901	35.7	33.9 - 37.4	4,510	46.3	44.5 - 48.0
45-54	18,872	37.7	36.9 - 38.6	11,486	32.8	31.7 - 33.9	7,386	45.6	44.2 - 47.1
55-64	36,806	35.9	35.3 - 36.6	24,383	31.6	30.8 - 32.4	12,423	44.5	43.4 - 45.7
65-74	45,949	35.6	35.0 - 36.2	30,363	31.9	31.2 - 32.7	15,586	42.7	41.7 - 43.8
75+	55,208	25.7	25.1 - 26.3	32,267	24.2	23.4 - 25.0	22,941	27.6	26.7 - 28.6

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Colon & Rectum**

NAACCR U.S. Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	854,762	63.4	63.2 - 63.6		448,225	62.2	61.9 - 62.4	406,537	64.8	64.6 - 65.1
Race										
White	699,043	64.0	63.8 - 64.2		368,755	62.8	62.5 - 63.1	330,288	65.4	65.2 - 65.7
Black	106,469	56.9	56.4 - 57.4		53,328	55.1	54.3 - 55.8	53,141	58.8	58.2 - 59.5
Stage										
Localized	318,924	87.5	87.2 - 87.7		166,427	86.2	85.9 - 86.6	152,497	88.8	88.5 - 89.1
Regional	311,086	70.4	70.1 - 70.7		163,384	69.3	68.8 - 69.7	147,702	71.7	71.3 - 72.1
Distant	184,574	14.6	14.3 - 14.8		98,510	13.3	13.0 - 13.7	86,064	16.1	15.7 - 16.4
Unstaged	53,296	47.4	46.8 - 48.0		27,407	46.2	45.4 - 47.1	25,889	49.1	48.2 - 50.0
Age Group*										
15-44	52,071	69.8	69.3 - 70.4		26,544	67.8	67.0 - 68.5	25,527	72.0	71.2 - 72.7
45-54	124,312	70.8	70.4 - 71.1		68,200	68.9	68.4 - 69.4	56,112	73.0	72.5 - 73.5
55-64	193,146	66.0	65.7 - 66.3		111,451	64.4	64.0 - 64.8	81,695	68.1	67.6 - 68.5
65-74	216,579	64.9	64.6 - 65.2		120,079	63.8	63.4 - 64.2	96,500	66.3	65.8 - 66.7
75+	269,964	55.3	54.9 - 55.6		122,731	54.7	54.2 - 55.3	147,233	55.7	55.2 - 56.1

NAACCR Canadian Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	109,877	67.6	67.1 - 68.0		60,660	67.1	66.5 - 67.7	49,217	68.1	67.5 - 68.7
Stage										
Localized	40,738	91.6	91.0 - 92.2		22,579	90.9	90.0 - 91.7	18,159	92.5	91.6 - 93.3
Regional	40,528	74.8	74.2 - 75.5		22,734	74.1	73.1 - 75.0	17,794	75.8	74.8 - 76.7
Distant	21,884	16.1	15.4 - 16.8		12,039	15.3	14.3 - 16.2	9,845	17.2	16.2 - 18.3
Unstaged	10,268	55.4	54.0 - 56.7		5,451	56.4	54.4 - 58.3	4,817	54.4	52.4 - 56.4
Age Group*										
15-44	4,872	75.6	74.0 - 77.2		2,422	73.7	71.3 - 75.9	2,450	77.6	75.3 - 79.7
45-54	11,331	73.4	72.3 - 74.5		6,264	72.7	71.2 - 74.2	5,067	74.2	72.6 - 75.7
55-64	23,096	71.0	70.2 - 71.8		13,813	70.1	69.0 - 71.1	9,283	72.5	71.3 - 73.7
65-74	30,434	69.6	68.8 - 70.3		18,206	69.5	68.5 - 70.5	12,228	69.7	68.5 - 70.8
75+	40,462	58.4	57.5 - 59.3		20,152	58.5	57.2 - 59.7	20,310	58.3	57.1 - 59.5

NAACCR North America Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	964,639	63.9	63.7 - 64.0		508,885	62.8	62.6 - 63.0	455,754	65.2	65.0 - 65.4
Stage										
Localized	359,662	88.0	87.7 - 88.2		189,006	86.8	86.5 - 87.1	170,656	89.2	88.9 - 89.5
Regional	351,614	70.9	70.7 - 71.2		186,118	69.9	69.5 - 70.3	165,496	72.1	71.8 - 72.5
Distant	206,458	14.7	14.5 - 15.0		110,549	13.5	13.2 - 13.8	95,909	16.2	15.8 - 16.5
Unstaged	63,564	48.7	48.1 - 49.3		32,858	47.9	47.1 - 48.7	30,706	50.0	49.2 - 50.8
Age Group*										
15-44	56,943	70.3	69.8 - 70.9		28,966	68.3	67.6 - 69.0	27,977	72.5	71.8 - 73.2
45-54	135,643	71.0	70.7 - 71.3		74,464	69.2	68.8 - 69.7	61,179	73.1	72.7 - 73.6
55-64	216,242	66.5	66.2 - 66.8		125,264	65.0	64.7 - 65.4	90,978	68.5	68.1 - 69.0
65-74	247,013	65.5	65.2 - 65.8		138,285	64.5	64.2 - 64.9	108,728	66.7	66.3 - 67.1
75+	310,426	55.7	55.3 - 56.0		142,883	55.3	54.7 - 55.8	167,543	56.0	55.6 - 56.4

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Liver & Intrahepatic Bile Duct**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	192,884	18.5	18.2 - 18.8	138,815	17.7	17.3 - 18.0	54,069	20.7	20.2 - 21.2
Race									
White	146,573	18.0	17.6 - 18.3	105,493	17.2	16.8 - 17.6	41,080	19.9	19.4 - 20.5
Black	28,054	17.2	16.3 - 18.0	20,534	15.7	14.7 - 16.8	7,520	20.5	19.1 - 22.0
Stage									
Localized	84,804	31.9	31.3 - 32.4	61,181	30.8	30.1 - 31.4	23,623	34.7	33.7 - 35.6
Regional	49,709	11.5	11.1 - 12.0	36,894	10.9	10.4 - 11.4	12,815	13.3	12.4 - 14.1
Distant	35,894	3.2	2.9 - 3.5	25,129	2.7	2.4 - 3.1	10,765	4.2	3.6 - 4.9
Unstaged	22,790	10.6	10.0 - 11.3	15,846	9.3	8.6 - 10.1	6,944	14.1	12.9 - 15.5
Age Group*									
15-44	4,997	32.7	31.0 - 34.3	3,115	29.7	27.7 - 31.8	1,882	37.4	34.6 - 40.3
45-54	22,220	21.0	20.3 - 21.7	17,130	19.5	18.8 - 20.3	5,090	26.0	24.5 - 27.5
55-64	71,736	21.7	21.3 - 22.1	56,506	20.8	20.4 - 21.3	15,230	25.1	24.2 - 26.0
65-74	53,808	19.3	18.7 - 19.8	38,318	18.6	18.0 - 19.2	15,490	20.8	19.8 - 21.8
75+	40,237	10.7	10.2 - 11.3	23,829	10.5	9.8 - 11.2	16,408	11.0	10.2 - 11.9

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	15,387	19.9	19.0 - 20.9	10,737	19.8	18.6 - 20.9	4,650	20.0	18.4 - 21.7
Stage									
Localized	1,282	37.1	32.9 - 41.2	888	38.0	32.8 - 43.2	394	33.0	26.3 - 39.8 *
Regional	1,213	9.6	7.2 - 12.3	874	8.2	5.8 - 11.1	339	11.8	7.4 - 17.3
Distant	768	3.8	2.3 - 6.0	484	3.6	1.7 - 6.5 *	284	2.9	1.2 - 5.9 *
Unstaged	12,155	20.2	19.2 - 21.3	8,515	20.0	18.8 - 21.4	3,640	20.4	18.5 - 22.3
Age Group*									
15-44	407	35.8	30.1 - 41.7	256	30.5	23.6 - 37.8	151	44.9	35.0 - 54.4
45-54	1,404	26.3	23.4 - 29.2	1,046	26.1	22.8 - 29.5	358	26.7	20.9 - 32.7
55-64	4,507	24.7	23.0 - 26.3	3,521	24.8	22.9 - 26.7	986	24.2	20.9 - 27.7
65-74	4,412	18.2	16.5 - 20.0	3,161	18.5	16.4 - 20.6	1,251	17.6	14.8 - 20.6
75+	4,701	11.4	9.9 - 12.9	2,787	11.9	9.9 - 14.0	1,914	10.4	8.3 - 12.8

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	208,271	18.6	18.3 - 18.9	149,552	17.8	17.5 - 18.1	58,719	20.7	20.2 - 21.2
Stage									
Localized	86,086	31.9	31.4 - 32.5	62,069	30.9	30.2 - 31.5	24,017	34.7	33.8 - 35.6
Regional	50,922	11.5	11.0 - 11.9	37,768	10.8	10.3 - 11.4	13,154	13.3	12.4 - 14.1
Distant	36,662	3.2	2.9 - 3.5	25,613	2.8	2.4 - 3.1	11,049	4.2	3.6 - 4.8
Unstaged	34,945	14.0	13.4 - 14.5	24,361	13.1	12.4 - 13.8	10,584	16.4	15.3 - 17.5
Age Group*									
15-44	5,404	32.9	31.3 - 34.5	3,371	29.8	27.9 - 31.8	2,033	38.0	35.3 - 40.8
45-54	23,624	21.3	20.6 - 22.0	18,176	19.9	19.2 - 20.6	5,448	26.0	24.6 - 27.5
55-64	76,243	21.9	21.5 - 22.3	60,027	21.1	20.6 - 21.5	16,216	25.0	24.1 - 25.9
65-74	58,220	19.2	18.7 - 19.7	41,479	18.6	18.0 - 19.2	16,741	20.5	19.6 - 21.5
75+	44,938	10.8	10.3 - 11.3	26,616	10.7	10.0 - 11.4	18,322	10.9	10.2 - 11.7

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Pancreas**

NAACCR U.S. Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	285,843	13.2	13.0 - 13.4		147,850	12.4	12.2 - 12.7	137,993	14.1	13.9 - 14.4
Race										
White	237,094	13.2	13.0 - 13.4		124,738	12.6	12.3 - 12.9	112,356	14.0	13.7 - 14.4
Black	35,744	11.8	11.3 - 12.3		16,640	9.9	9.2 - 10.6	19,104	13.6	12.9 - 14.3
Stage										
Localized	35,071	43.2	42.5 - 43.9		16,899	43.8	42.7 - 44.8	18,172	42.7	41.7 - 43.7
Regional	87,551	16.3	15.9 - 16.7		44,691	16.4	15.8 - 16.9	42,860	16.3	15.8 - 16.9
Distant	142,890	4.2	4.0 - 4.3		76,619	3.9	3.7 - 4.1	66,271	4.5	4.2 - 4.8
Unstaged	20,617	14.5	13.7 - 15.3		9,802	13.4	12.3 - 14.5	10,815	15.9	14.7 - 17.2
Age Group*										
15-44	7,320	42.3	40.9 - 43.8		3,713	34.6	32.7 - 36.6	3,607	50.3	48.2 - 52.3
45-54	24,775	19.4	18.7 - 20.0		14,073	17.3	16.5 - 18.2	10,702	22.0	21.0 - 23.1
55-64	65,242	13.3	13.0 - 13.7		37,182	12.5	12.1 - 13.0	28,060	14.4	13.9 - 15.0
65-74	86,645	10.7	10.4 - 11.0		47,089	10.7	10.2 - 11.1	39,556	10.8	10.3 - 11.2
75+	101,895	5.9	5.7 - 6.2		45,813	6.7	6.3 - 7.1	56,082	5.3	5.0 - 5.6

NAACCR Canadian Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	24,830	12.1	11.5 - 12.7		12,910	11.5	10.7 - 12.3	11,920	12.9	12.0 - 13.8
Stage										
Localized	625	50.3	45.0 - 55.4		287	52.7	44.4 - 60.3	338	47.6	40.9 - 54.0
Regional	1,746	16.6	14.0 - 19.3		870	17.4	13.9 - 21.2	876	11.6	8.9 - 14.8 *
Distant	3,465	4.2	3.3 - 5.4		1,849	4.3	3.0 - 5.8	1,616	4.2	2.8 - 5.9
Unstaged	19,002	12.0	11.3 - 12.7		9,908	11.2	10.3 - 12.2	9,094	13.1	12.0 - 14.1
Age Group*										
15-44	570	42.0	37.4 - 46.6		311	35.7	29.7 - 41.7	259	49.5	42.3 - 56.3
45-54	1,982	20.1	18.0 - 22.4		1,106	18.5	15.8 - 21.5	876	22.2	18.9 - 25.7
55-64	5,094	11.8	10.6 - 13.0		2,933	10.8	9.3 - 12.5	2,161	13.1	11.2 - 15.1
65-74	7,330	9.4	8.5 - 10.4		4,017	9.9	8.6 - 11.3	3,313	8.8	7.5 - 10.2
75+	9,860	4.5	3.9 - 5.2		4,546	4.8	3.9 - 5.9	5,314	4.1	3.4 - 5.0

NAACCR North America Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	310,673	13.1	12.9 - 13.3		160,760	12.4	12.1 - 12.6	149,913	14.0	13.8 - 14.3
Stage										
Localized	35,696	43.3	42.6 - 44.1		17,186	43.9	42.8 - 45.0	18,510	42.8	41.8 - 43.8
Regional	89,297	16.3	15.9 - 16.7		45,561	16.4	15.9 - 16.9	43,736	16.3	15.8 - 16.9
Distant	146,355	4.2	4.0 - 4.3		78,468	3.9	3.7 - 4.1	67,887	4.5	4.2 - 4.8
Unstaged	39,619	13.0	12.5 - 13.6		19,710	12.1	11.4 - 12.8	19,909	14.2	13.4 - 15.1
Age Group*										
15-44	7,890	42.3	41.0 - 43.7		4,024	34.7	32.9 - 36.6	3,866	50.2	48.2 - 52.2
45-54	26,757	19.4	18.8 - 20.1		15,179	17.4	16.6 - 18.2	11,578	22.1	21.1 - 23.0
55-64	70,336	13.2	12.9 - 13.6		40,115	12.4	12.0 - 12.8	30,221	14.3	13.8 - 14.9
65-74	93,975	10.6	10.3 - 10.9		51,106	10.6	10.2 - 11.0	42,869	10.6	10.2 - 11.1
75+	111,755	5.8	5.6 - 6.0		50,359	6.6	6.2 - 7.0	61,396	5.2	4.9 - 5.5

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Larynx**

NAACCR U.S. Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
Total	78,188	59.4	58.8 - 60.0		62,197	60.2	59.5 - 60.8	15,991	55.8	54.5 - 57.0
Race										
White	64,808	60.5	59.9 - 61.2		51,467	61.2	60.5 - 62.0	13,341	56.9	55.6 - 58.3
Black	11,142	50.7	48.9 - 52.4		8,852	51.2	49.2 - 53.1	2,290	48.7	45.0 - 52.3
Stage										
Localized	40,234	75.4	74.6 - 76.2		32,994	76.2	75.3 - 77.0	7,240	71.3	69.5 - 73.0
Regional	21,534	42.1	40.9 - 43.3		15,893	42.0	40.6 - 43.5	5,641	42.4	40.2 - 44.6
Distant	12,089	31.6	30.4 - 32.8		9,825	31.1	29.7 - 32.5	2,264	33.6	31.0 - 36.2
Unstaged	4,436	53.0	50.6 - 55.3		3,556	52.9	50.2 - 55.6	880	51.2	46.3 - 55.8
Age Group*										
15-44	1,839	76.8	74.3 - 79.2		1,278	73.8	70.6 - 76.8	561	83.7	79.4 - 87.2
45-54	10,891	62.0	60.8 - 63.2		8,167	61.7	60.3 - 63.0	2,724	63.1	60.7 - 65.5
55-64	25,359	58.8	58.0 - 59.7		20,145	59.0	58.0 - 59.9	5,214	58.3	56.5 - 60.2
65-74	23,948	58.1	57.2 - 59.1		19,390	59.4	58.3 - 60.4	4,558	53.0	50.8 - 55.1
75+	16,191	55.8	54.3 - 57.3		13,252	57.9	56.2 - 59.6	2,939	46.8	43.6 - 50.0

NAACCR Canadian Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
Total	5,026	63.3	61.1 - 65.3		4,272	63.7	61.3 - 66.0	754	60.1	55.1 - 64.7
Stage										
Localized	670	83.4	77.4 - 87.9		590	83.2	76.6 - 88.1	80	78.7	64.5 - 87.7
Regional	163	38.9	27.2 - 50.4		125	35.9	22.8 - 49.2 *	38	-	
Distant	309	37.1	30.1 - 44.2		270	32.1	25.2 - 39.1	39	-	
Unstaged	3,885	62.6	60.2 - 64.9		3,288	63.6	60.9 - 66.2	597	57.3	51.7 - 62.5
Age Group*										
15-44	91	77.7	66.2 - 85.7		62	74.7	60.1 - 84.6	29	83.6	61.0 - 93.7
45-54	492	71.0	65.6 - 75.7		418	69.4	63.6 - 74.6	74	80.0	65.4 - 89.0
55-64	1,426	67.5	64.1 - 70.7		1,233	67.9	64.2 - 71.3	193	65.0	55.5 - 73.0
65-74	1,630	62.0	58.4 - 65.5		1,393	63.0	58.9 - 66.8	237	56.6	47.4 - 64.8
75+	1,391	54.4	49.6 - 59.0		1,170	56.1	50.6 - 61.1	221	45.8	34.8 - 56.1

NAACCR North America Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
Total	83,214	59.6	59.1 - 60.2		66,469	60.4	59.7 - 61.0	16,745	56.0	54.8 - 57.2
Stage										
Localized	40,904	75.5	74.7 - 76.3		33,584	76.3	75.4 - 77.2	7,320	71.5	69.7 - 73.2
Regional	21,697	42.1	40.9 - 43.3		16,018	42.0	40.5 - 43.4	5,679	42.5	40.3 - 44.6
Distant	12,398	31.7	30.5 - 33.0		10,095	31.1	29.8 - 32.5	2,303	34.1	31.4 - 36.7
Unstaged	8,321	57.6	55.9 - 59.3		6,844	58.2	56.3 - 60.0	1,477	53.8	50.1 - 57.4
Age Group*										
15-44	1,930	76.9	74.4 - 79.2		1,340	73.9	70.8 - 76.8	590	83.7	79.5 - 87.1
45-54	11,383	62.4	61.3 - 63.6		8,585	62.1	60.7 - 63.4	2,798	63.6	61.2 - 65.9
55-64	26,785	59.3	58.5 - 60.1		21,378	59.5	58.6 - 60.4	5,407	58.6	56.8 - 60.4
65-74	25,578	58.4	57.4 - 59.3		20,783	59.6	58.6 - 60.7	4,795	53.2	51.1 - 55.2
75+	17,582	55.8	54.4 - 57.3		14,422	57.9	56.2 - 59.5	3,160	46.8	43.8 - 49.8

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Lung & Bronchus**

NAACCR U.S. Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	1,305,930	23.7	23.6 - 23.8		685,207	19.9	19.7 - 20.0	620,723	27.9	27.7 - 28.0
Race										
White	1,115,461	23.9	23.7 - 24.0		580,891	20.0	19.8 - 20.2	534,570	28.0	27.8 - 28.2
Black	141,002	20.7	20.4 - 21.1		77,476	17.2	16.7 - 17.6	63,526	25.0	24.5 - 25.5
Stage										
Localized	287,828	59.4	59.1 - 59.8		136,127	53.6	53.2 - 54.1	151,701	64.3	63.9 - 64.7
Regional	306,974	32.7	32.4 - 33.0		161,781	29.0	28.6 - 29.4	145,193	36.7	36.3 - 37.1
Distant	663,819	6.9	6.8 - 7.1		360,953	5.7	5.5 - 5.8	302,866	8.5	8.3 - 8.6
Unstaged	64,086	16.7	16.2 - 17.3		34,417	15.0	14.3 - 15.7	29,669	19.0	18.2 - 19.9
Age Group*										
15-44	16,023	37.2	36.2 - 38.1		7,590	31.9	30.6 - 33.2	8,433	41.9	40.6 - 43.2
45-54	97,462	25.8	25.4 - 26.1		47,847	20.4	19.9 - 20.8	49,615	31.0	30.5 - 31.5
55-64	298,224	24.2	24.0 - 24.4		160,989	19.8	19.6 - 20.1	137,235	29.4	29.1 - 29.7
65-74	452,430	24.3	24.1 - 24.5		241,654	20.6	20.4 - 20.8	210,776	28.5	28.2 - 28.8
75+	445,480	18.6	18.4 - 18.8		228,815	16.0	15.7 - 16.3	216,665	21.3	21.0 - 21.6

NAACCR Canadian Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	122,109	23.2	22.8 - 23.6		61,801	20.0	19.4 - 20.5	60,308	26.4	25.9 - 27.0
Stage										
Localized	21,384	64.1	63.0 - 65.1		9,547	59.2	57.5 - 60.8	11,837	67.9	66.6 - 69.3
Regional	28,882	34.8	33.9 - 35.8		14,492	32.1	30.7 - 33.4	14,390	37.4	36.1 - 38.8
Distant	64,465	6.4	6.1 - 6.8		33,889	5.5	5.0 - 6.1	30,576	7.5	7.0 - 8.0
Unstaged	9,523	20.3	18.9 - 21.7		4,769	17.2	15.3 - 19.0	4,754	23.4	21.3 - 25.5
Age Group*										
15-44	1,188	39.6	36.2 - 43.1		539	40.4	35.4 - 45.4	649	39.1	34.4 - 43.8
45-54	7,107	27.4	26.1 - 28.7		3,186	22.6	20.8 - 24.4	3,921	31.3	29.5 - 33.1
55-64	25,592	25.1	24.4 - 25.8		12,708	20.5	19.6 - 21.5	12,884	29.6	28.6 - 30.7
65-74	41,681	23.4	22.8 - 24.0		21,306	19.5	18.7 - 20.2	20,375	27.5	26.7 - 28.4
75+	46,933	15.8	15.3 - 16.4		24,233	14.0	13.3 - 14.7	22,700	17.7	16.9 - 18.5

NAACCR North America Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	1,428,039	23.7	23.5 - 23.8		747,008	19.8	19.7 - 20.0	681,031	27.7	27.6 - 27.9
Stage										
Localized	309,212	59.8	59.5 - 60.1		145,674	54.0	53.5 - 54.5	163,538	64.6	64.2 - 65.0
Regional	335,856	32.9	32.6 - 33.1		176,273	29.2	28.8 - 29.6	159,583	36.7	36.4 - 37.1
Distant	728,284	6.9	6.8 - 7.0		394,842	5.6	5.5 - 5.8	333,442	8.4	8.2 - 8.5
Unstaged	73,609	17.1	16.6 - 17.6		39,186	15.2	14.5 - 15.9	34,423	19.6	18.8 - 20.4
Age Group*										
15-44	17,211	37.3	36.4 - 38.2		8,129	32.4	31.2 - 33.7	9,082	41.7	40.4 - 42.9
45-54	104,569	25.9	25.6 - 26.2		51,033	20.5	20.1 - 21.0	53,536	31.0	30.5 - 31.5
55-64	323,816	24.3	24.1 - 24.5		173,697	19.9	19.6 - 20.1	150,119	29.4	29.1 - 29.7
65-74	494,111	24.2	24.0 - 24.4		262,960	20.5	20.3 - 20.7	231,151	28.4	28.1 - 28.7
75+	492,413	18.4	18.2 - 18.5		253,048	15.8	15.6 - 16.1	239,365	21.0	20.7 - 21.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Melanoma of the Skin**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	469,606	92.2	92.0 - 92.3		275,675	90.4	90.1 - 90.6		193,931	94.0	93.8 - 94.2	
Race												
White	446,595	91.9	91.7 - 92.0		263,638	90.0	89.7 - 90.2		182,957	93.8	93.6 - 94.0	
Black	2,251	70.8	67.9 - 73.5		1,046	65.5	60.6 - 69.9		1,205	74.8	71.2 - 78.1	
Stage												
Localized	367,522	98.0	97.9 - 98.2		212,116	97.3	97.1 - 97.5		155,406	98.7	98.5 - 98.9	
Regional	43,481	71.5	70.8 - 72.2		27,610	69.2	68.3 - 70.2		15,871	74.6	73.6 - 75.7	
Distant	23,765	33.8	32.9 - 34.7		16,225	31.5	30.3 - 32.7		7,540	37.4	35.8 - 38.9	
Unstaged	41,331	91.3	90.7 - 91.8		24,411	89.8	89.0 - 90.6		16,920	92.3	91.5 - 92.9	
Age Group*												
15-44	62,295	94.8	94.5 - 95.0		23,597	91.5	91.1 - 92.0		38,698	96.8	96.5 - 97.0	
45-54	68,685	92.9	92.6 - 93.2		34,164	90.4	90.0 - 90.9		34,521	95.3	95.0 - 95.7	
55-64	105,461	91.9	91.6 - 92.2		62,831	90.4	90.0 - 90.8		42,630	94.2	93.8 - 94.6	
65-74	115,548	91.9	91.5 - 92.2		76,900	91.2	90.8 - 91.7		38,648	93.2	92.6 - 93.7	
75+	119,699	87.0	86.4 - 87.7		79,642	86.7	85.8 - 87.5		40,057	87.7	86.7 - 88.7	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	39,923	89.3	88.8 - 89.8		21,805	86.9	86.1 - 87.6		18,118	91.9	91.2 - 92.5	
Stage												
Localized	11,562	95.8	95.1 - 96.5		6,003	94.4	93.3 - 95.3		5,559	97.5	96.4 - 98.3	
Regional	2,007	64.6	61.7 - 67.3		1,233	60.4	56.6 - 64.0		774	70.6	66.1 - 74.6	
Distant	746	23.2	18.9 - 27.7		489	23.8	18.0 - 30.0		257	22.9	16.5 - 30.0	
Unstaged	26,290	89.8	89.1 - 90.5		14,530	87.8	86.8 - 88.8		11,760	91.6	90.6 - 92.5	
Age Group*												
15-44	4,999	94.2	93.3 - 95.0		1,865	92.0	90.2 - 93.4		3,134	95.6	94.5 - 96.4	
45-54	5,873	91.1	90.1 - 92.1		2,751	88.1	86.3 - 89.6		3,122	93.8	92.5 - 94.9	
55-64	8,959	88.5	87.4 - 89.5		4,899	85.2	83.6 - 86.7		4,060	92.5	91.1 - 93.6	
65-74	9,455	88.0	86.8 - 89.2		5,807	86.2	84.4 - 87.8		3,648	90.8	88.9 - 92.4	
75+	10,825	80.4	78.4 - 82.3		6,608	78.8	76.2 - 81.3		4,217	82.9	79.8 - 85.6	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	509,529	92.0	91.8 - 92.1		297,480	90.1	89.9 - 90.3		212,049	93.8	93.6 - 94.0	
Stage												
Localized	379,084	97.9	97.8 - 98.1		218,119	97.2	97.0 - 97.4		160,965	98.7	98.5 - 98.9	
Regional	45,488	71.1	70.4 - 71.7		28,843	68.7	67.8 - 69.6		16,645	74.4	73.4 - 75.4	
Distant	24,511	33.5	32.6 - 34.4		16,714	31.3	30.2 - 32.5		7,797	36.9	35.4 - 38.4	
Unstaged	67,621	90.7	90.3 - 91.1		38,941	89.1	88.5 - 89.8		28,680	92.1	91.5 - 92.7	
Age Group*												
15-44	67,294	94.7	94.5 - 95.0		25,462	91.6	91.1 - 92.0		41,832	96.7	96.4 - 96.9	
45-54	74,558	92.7	92.5 - 93.0		36,915	90.2	89.8 - 90.7		37,643	95.2	94.9 - 95.5	
55-64	114,420	91.7	91.4 - 91.9		67,730	90.0	89.6 - 90.4		46,690	94.1	93.7 - 94.4	
65-74	125,003	91.6	91.2 - 91.9		82,707	90.9	90.4 - 91.3		42,296	93.0	92.4 - 93.5	
75+	130,524	86.5	85.9 - 87.1		86,250	86.1	85.3 - 86.8		44,274	87.2	86.3 - 88.2	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Female Breast**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		1,460,387	89.7	89.5 - 89.8
Race									
White	-	-		-	-		1,204,456	90.6	90.5 - 90.8
Black	-	-		-	-		172,409	81.6	81.1 - 82.0
Stage									
Localized	-	-		-	-		947,512	98.5	98.4 - 98.6
Regional	-	-		-	-		408,532	83.2	82.9 - 83.5
Distant	-	-		-	-		86,421	28.1	27.7 - 28.6
Unstaged	-	-		-	-		34,222	65.0	64.1 - 65.8
Age Group*									
15-44	-	-		-	-		145,736	88.5	88.2 - 88.7
45-54	-	-		-	-		282,245	90.6	90.4 - 90.7
55-64	-	-		-	-		377,754	90.2	90.0 - 90.3
65-74	-	-		-	-		375,068	91.5	91.3 - 91.7
75+	-	-		-	-		282,000	87.3	86.9 - 87.6

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		131,033	87.9	87.5 - 88.3
Stage									
Localized	-	-		-	-		71,484	97.3	96.8 - 97.7
Regional	-	-		-	-		38,669	83.5	82.7 - 84.3
Distant	-	-		-	-		18,389	48.4	46.5 - 50.3
Unstaged	-	-		-	-		4,918	66.4	64.5 - 68.3
Age Group*									
15-44	-	-		-	-		12,371	88.4	87.6 - 89.1
45-54	-	-		-	-		26,096	91.1	90.6 - 91.6
55-64	-	-		-	-		33,033	90.3	89.8 - 90.8
65-74	-	-		-	-		33,075	90.6	90.0 - 91.1
75+	-	-		-	-		26,724	81.9	80.8 - 83.0

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		1,591,420	89.5	89.4 - 89.6
Stage									
Localized	-	-		-	-		1,018,996	98.5	98.4 - 98.6
Regional	-	-		-	-		447,201	83.2	83.0 - 83.5
Distant	-	-		-	-		104,810	30.8	30.3 - 31.3
Unstaged	-	-		-	-		39,140	65.2	64.4 - 65.9
Age Group*									
15-44	-	-		-	-		158,107	88.5	88.2 - 88.7
45-54	-	-		-	-		308,341	90.6	90.5 - 90.8
55-64	-	-		-	-		410,787	90.2	90.1 - 90.3
65-74	-	-		-	-		408,143	91.4	91.3 - 91.6
75+	-	-		-	-		308,724	86.8	86.5 - 87.1

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Cervix Uteri**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	-	-		-	-		80,595	61.3	60.8 - 61.8			
Race												
White	-	-		-	-		61,766	61.9	61.3 - 62.5			
Black	-	-		-	-		12,619	54.8	53.5 - 56.0			
Stage												
Localized	-	-		-	-		35,231	85.8	84.9 - 86.6			
Regional	-	-		-	-		28,226	56.5	55.7 - 57.4			
Distant	-	-		-	-		12,327	17.0	16.1 - 17.9			
Unstaged	-	-		-	-		4,927	53.9	52.1 - 55.7			
Age Group*												
15-44	-	-		-	-		30,126	78.7	78.1 - 79.3			
45-54	-	-		-	-		18,620	66.7	65.8 - 67.5			
55-64	-	-		-	-		15,852	59.2	58.2 - 60.2			
65-74	-	-		-	-		9,531	51.1	49.6 - 52.5			
75+	-	-		-	-		6,486	37.4	35.5 - 39.4			

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	-	-		-	-		7,429	67.7	66.1 - 69.2			
Stage												
Localized	-	-		-	-		3,691	89.3	86.9 - 91.3			
Regional	-	-		-	-		2,336	60.8	57.9 - 63.6			
Distant	-	-		-	-		795	19.9	16.4 - 23.8			
Unstaged	-	-		-	-		640	57.2	52.1 - 61.9			
Age Group*												
15-44	-	-		-	-		3,169	85.0	83.4 - 86.6			
45-54	-	-		-	-		1,643	74.9	72.2 - 77.3			
55-64	-	-		-	-		1,256	67.6	64.2 - 70.8			
65-74	-	-		-	-		763	56.3	51.2 - 61.0			
75+	-	-		-	-		603	40.9	35.6 - 46.1			

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	-	-		-	-		88,024	61.8	61.3 - 62.3			
Stage												
Localized	-	-		-	-		38,922	86.2	85.3 - 87.0			
Regional	-	-		-	-		30,562	56.9	56.0 - 57.7			
Distant	-	-		-	-		13,122	17.2	16.3 - 18.1			
Unstaged	-	-		-	-		5,567	54.4	52.7 - 56.1			
Age Group*												
15-44	-	-		-	-		33,295	79.3	78.8 - 79.9			
45-54	-	-		-	-		20,263	67.3	66.5 - 68.2			
55-64	-	-		-	-		17,108	59.8	58.8 - 60.8			
65-74	-	-		-	-		10,294	51.5	50.1 - 52.8			
75+	-	-		-	-		7,089	37.9	36.0 - 39.7			

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Corpus & Uterus, NOS

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		333,394	77.8	77.5 - 78.1
Race									
White	-	-		-	-		275,629	80.3	80.0 - 80.6
Black	-	-		-	-		38,793	58.9	58.1 - 59.8
Stage									
Localized	-	-		-	-		226,034	92.9	92.6 - 93.3
Regional	-	-		-	-		64,801	65.9	65.3 - 66.5
Distant	-	-		-	-		29,589	17.2	16.6 - 17.8
Unstaged	-	-		-	-		13,751	53.3	52.1 - 54.4
Age Group*									
15-44	-	-		-	-		22,456	90.1	89.6 - 90.6
45-54	-	-		-	-		50,519	87.1	86.7 - 87.5
55-64	-	-		-	-		114,847	83.7	83.4 - 84.0
65-74	-	-		-	-		93,919	78.1	77.7 - 78.5
75+	-	-		-	-		51,709	66.0	65.3 - 66.8

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		32,307	80.2	79.4 - 80.9
Stage									
Localized	-	-		-	-		10,807	93.7	92.6 - 94.7
Regional	-	-		-	-		3,050	66.7	64.3 - 69.0
Distant	-	-		-	-		1,027	16.1	13.5 - 18.9
Unstaged	-	-		-	-		17,463	77.6	76.2 - 78.9
Age Group*									
15-44	-	-		-	-		1,590	90.4	88.4 - 92.1
45-54	-	-		-	-		5,113	88.5	87.3 - 89.6
55-64	-	-		-	-		11,169	87.8	86.9 - 88.6
65-74	-	-		-	-		9,112	80.7	79.4 - 82.0
75+	-	-		-	-		5,341	67.7	65.6 - 69.7

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		365,701	78.0	77.8 - 78.3
Stage									
Localized	-	-		-	-		236,841	93.0	92.7 - 93.3
Regional	-	-		-	-		67,851	66.0	65.4 - 66.6
Distant	-	-		-	-		30,616	17.2	16.6 - 17.8
Unstaged	-	-		-	-		31,214	65.6	64.7 - 66.5
Age Group*									
15-44	-	-		-	-		24,046	90.1	89.6 - 90.6
45-54	-	-		-	-		55,632	87.2	86.8 - 87.6
55-64	-	-		-	-		126,016	84.0	83.8 - 84.3
65-74	-	-		-	-		103,031	78.3	77.9 - 78.7
75+	-	-		-	-		57,050	66.2	65.5 - 67.0

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Ovary**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		131,699	44.2	43.8 - 44.6
Race									
White	-	-		-	-		111,203	45.0	44.6 - 45.4
Black	-	-		-	-		12,459	34.2	33.0 - 35.4
Stage									
Localized	-	-		-	-		22,663	87.1	85.7 - 88.3
Regional	-	-		-	-		28,671	66.2	65.2 - 67.1
Distant	-	-		-	-		72,239	29.3	28.8 - 29.7
Unstaged	-	-		-	-		8,387	33.4	32.0 - 34.8
Age Group*									
15-44	-	-		-	-		14,721	77.6	76.7 - 78.4
45-54	-	-		-	-		22,584	63.6	62.7 - 64.4
55-64	-	-		-	-		32,865	52.8	52.1 - 53.6
65-74	-	-		-	-		31,221	41.2	40.4 - 42.1
75+	-	-		-	-		30,324	24.1	23.4 - 24.9

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		13,785	39.9	38.8 - 41.1
Stage									
Localized	-	-		-	-		745	84.2	78.2 - 88.7
Regional	-	-		-	-		1,271	69.6	65.5 - 73.3
Distant	-	-		-	-		3,109	26.1	24.3 - 27.9
Unstaged	-	-		-	-		8,706	36.5	34.9 - 38.2
Age Group*									
15-44	-	-		-	-		1,470	75.4	72.3 - 78.2
45-54	-	-		-	-		2,465	62.9	60.3 - 65.3
55-64	-	-		-	-		3,337	49.0	46.6 - 51.4
65-74	-	-		-	-		3,230	36.0	33.7 - 38.4
75+	-	-		-	-		3,305	18.6	16.6 - 20.7

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
<i>Subgroup</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count</i>	<i>RSR¹</i>	<i>95% CI¹</i>	<i>Count.</i>	<i>RSR¹</i>	<i>95% CI¹</i>
Total	-	-		-	-		145,484	43.8	43.4 - 44.1
Stage									
Localized	-	-		-	-		23,408	87.1	85.7 - 88.3
Regional	-	-		-	-		29,942	66.4	65.4 - 67.3
Distant	-	-		-	-		75,348	29.1	28.7 - 29.6
Unstaged	-	-		-	-		17,093	35.5	34.4 - 36.5
Age Group*									
15-44	-	-		-	-		16,191	77.4	76.5 - 78.2
45-54	-	-		-	-		25,049	63.5	62.7 - 64.3
55-64	-	-		-	-		36,202	52.5	51.8 - 53.2
65-74	-	-		-	-		34,451	40.8	40.0 - 41.5
75+	-	-		-	-		33,629	23.6	22.9 - 24.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Prostate**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	-	-		1,242,807	95.4	95.3 - 95.6	-	-		-	-	
Race												
White	-	-		971,400	95.3	95.2 - 95.5	-	-		-	-	
Black	-	-		201,137	92.9	92.5 - 93.3	-	-		-	-	
Stage												
Localized	-	-		916,891	99.9	99.8 - 100.0	-	-		-	-	
Regional	-	-		155,581	95.6	95.1 - 96.1	-	-		-	-	
Distant	-	-		81,852	32.8	32.2 - 33.4	-	-		-	-	
Unstaged	-	-		88,567	88.3	87.8 - 88.8	-	-		-	-	
Age Group*												
15-44	-	-		5,703	95.9	95.1 - 96.5	-	-		-	-	
45-54	-	-		105,052	97.3	97.1 - 97.4	-	-		-	-	
55-64	-	-		405,051	98.0	97.9 - 98.1	-	-		-	-	
65-74	-	-		497,059	99.3	99.1 - 99.4	-	-		-	-	
75+	-	-		229,959	89.2	88.8 - 89.6	-	-		-	-	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	-	-		113,173	91.8	91.4 - 92.2	-	-		-	-	
Stage												
Localized	-	-		60,513	99.1	98.6 - 99.5	-	-		-	-	
Regional	-	-		14,592	93.5	92.0 - 94.6	-	-		-	-	
Distant	-	-		36,697	70.1	68.8 - 71.3	-	-		-	-	
Unstaged	-	-		1,380	76.4	71.9 - 80.3	-	-		-	-	
Age Group*												
15-44	-	-		367	95.1	91.4 - 97.2	-	-		-	-	
45-54	-	-		7,846	96.5	95.8 - 97.0	-	-		-	-	
55-64	-	-		32,631	97.1	96.7 - 97.4	-	-		-	-	
65-74	-	-		43,821	96.1	95.6 - 96.6	-	-		-	-	
75+	-	-		28,509	80.2	79.1 - 81.3	-	-		-	-	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	-	-		1,355,980	95.1	94.9 - 95.2	-	-		-	-	
Stage												
Localized	-	-		977,404	99.9	99.7 - 100.0	-	-		-	-	
Regional	-	-		170,173	95.4	94.8 - 95.8	-	-		-	-	
Distant	-	-		118,549	41.2	40.6 - 41.8	-	-		-	-	
Unstaged	-	-		89,947	88.0	87.5 - 88.5	-	-		-	-	
Age Group*												
15-44	-	-		6,070	95.8	95.1 - 96.5	-	-		-	-	
45-54	-	-		112,898	97.2	97.0 - 97.4	-	-		-	-	
55-64	-	-		437,682	98.0	97.8 - 98.1	-	-		-	-	
65-74	-	-		540,880	99.0	98.9 - 99.1	-	-		-	-	
75+	-	-		258,468	88.2	87.8 - 88.5	-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Testis**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
Total	-	-		53,731	91.6	90.5 - 92.6	-	-		-	-	
Race												
White	-	-		48,623	91.7	90.5 - 92.7	-	-		-	-	
Black	-	-		1,920	85.8	81.1 - 89.4	-	-		-	-	
Stage												
Localized	-	-		36,342	97.9	97.1 - 98.5	-	-		-	-	
Regional	-	-		9,721	88.7	86.1 - 90.8	-	-		-	-	
Distant	-	-		6,333	66.2	63.9 - 68.3	-	-		-	-	
Unstaged	-	-		1,475	80.2	76.4 - 83.5	-	-		-	-	
Age Group*												
15-44	-	-		42,193	96.0	95.7 - 96.2	-	-		-	-	
45-54	-	-		6,980	94.3	93.4 - 95.0	-	-		-	-	
55-64	-	-		3,165	88.8	86.9 - 90.4	-	-		-	-	
65-74	-	-		948	82.0	77.3 - 85.8	-	-		-	-	
75+	-	-		450	75.0	64.5 - 82.9	-	-		-	-	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
Total	-	-		5,517	92.6	88.6 - 95.2	-	-		-	-	
Stage												
Localized	-	-		1,106	99.1	96.9 - 99.7 *	-	-		-	-	
Regional	-	-		287	96.9	91.1 - 98.9 *	-	-		-	-	
Distant	-	-		147	74.2	63.0 - 82.5 *	-	-		-	-	
Unstaged	-	-		3,980	92.7	88.3 - 95.4	-	-		-	-	
Age Group*												
15-44	-	-		4,360	97.4	96.7 - 98.0	-	-		-	-	
45-54	-	-		714	94.8	91.7 - 96.8	-	-		-	-	
55-64	-	-		282	91.8	85.0 - 95.6	-	-		-	-	
65-74	-	-		105	87.8	66.1 - 96.0	-	-		-	-	
75+	-	-		57	-		-	-		-	-	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
Total	-	-		59,248	91.8	90.7 - 92.7	-	-		-	-	
Stage												
Localized	-	-		37,448	97.9	97.2 - 98.5	-	-		-	-	
Regional	-	-		10,008	88.8	86.2 - 91.0	-	-		-	-	
Distant	-	-		6,480	66.0	63.8 - 68.1	-	-		-	-	
Unstaged	-	-		5,455	88.2	85.7 - 90.2	-	-		-	-	
Age Group*												
15-44	-	-		46,553	96.1	95.9 - 96.4	-	-		-	-	
45-54	-	-		7,694	94.3	93.5 - 95.0	-	-		-	-	
55-64	-	-		3,447	89.0	87.3 - 90.6	-	-		-	-	
65-74	-	-		1,053	82.6	78.1 - 86.3	-	-		-	-	
75+	-	-		507	74.9	65.1 - 82.4	-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Testis

II-16 Combined Survival

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Urinary Bladder (incl. in situ)**

NAACCR U.S. Combined		MALES AND FEMALES			MALES			FEMALES			
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹
Total	453,724	76.8	76.6 - 77.0		345,628	77.9	77.7 - 78.2		108,096	73.4	73.0 - 73.8
Race											
White	411,282	77.4	77.1 - 77.6		315,686	78.3	78.0 - 78.5		95,596	74.5	74.1 - 74.9
Black	25,844	64.3	63.3 - 65.3		17,483	67.3	66.1 - 68.5		8,361	57.7	56.0 - 59.3
Stage											
Localized	382,948	84.8	84.6 - 85.0		294,279	85.4	85.1 - 85.6		88,669	83.0	82.6 - 83.4
Regional	33,938	36.0	35.2 - 36.8		25,060	36.8	35.7 - 37.8		8,878	33.7	32.2 - 35.1
Distant	20,739	7.0	6.4 - 7.5		14,475	7.5	6.7 - 8.2		6,264	5.9	5.0 - 6.8
Unstaged	18,585	62.7	61.5 - 63.8		13,870	64.5	63.1 - 65.8		4,715	57.8	55.7 - 59.9
Age Group*											
15-44	7,730	87.3	86.3 - 88.2		5,393	89.4	88.3 - 90.5		2,337	82.4	80.4 - 84.2
45-54	27,130	82.3	81.7 - 82.9		19,931	83.2	82.4 - 83.8		7,199	80.0	78.8 - 81.1
55-64	83,637	80.0	79.6 - 80.4		64,169	80.4	79.9 - 80.9		19,468	78.8	78.1 - 79.6
65-74	141,964	78.0	77.7 - 78.4		110,591	78.7	78.3 - 79.2		31,373	75.5	74.7 - 76.2
75+	194,254	68.2	67.8 - 68.7		146,378	70.2	69.7 - 70.8		47,876	62.2	61.3 - 63.0

NAACCR Canadian Combined		MALES AND FEMALES				MALES				FEMALES			
Subgroup		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total		48,531	78.7	78.1 - 79.3		36,971	79.1	78.4 - 79.8		11,560	77.4	76.3 - 78.5	
Stage													
Localized		25,548	92.2	91.4 - 92.9		19,427	91.8	90.9 - 92.6		6,121	93.2	91.8 - 94.3	
Regional		881	39.1	34.5 - 43.6		652	42.5	37.3 - 47.5		229	25.7	17.5 - 34.7 *	
Distant		682	6.9	4.6 - 9.9		482	5.9	3.3 - 9.5 *		200	9.1	5.1 - 14.4 *	
Unstaged		22,721	65.1	64.1 - 66.1		17,463	66.4	65.2 - 67.6		5,258	61.2	59.1 - 63.2	
Age Group*													
15-44		943	90.2	87.8 - 92.2		660	93.9	91.5 - 95.7		283	81.2	75.3 - 85.8	
45-54		2,970	87.4	85.7 - 88.9		2,184	88.2	86.2 - 89.9		786	84.9	81.7 - 87.7	
55-64		8,677	83.4	82.3 - 84.5		6,572	83.1	81.7 - 84.3		2,105	84.5	82.3 - 86.4	
65-74		14,669	79.7	78.6 - 80.8		11,420	79.6	78.3 - 80.8		3,249	80.1	77.9 - 82.1	
75+		21,428	67.5	66.2 - 68.9		16,265	68.1	66.5 - 69.7		5,163	65.2	62.8 - 67.4	

NAACCR North America Combined		MALES AND FEMALES			MALES			FEMALES			
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹
Total	502,255	77.0	76.8 - 77.2		382,599	78.1	77.8 - 78.3		119,656	73.8	73.4 - 74.2
Stage											
Localized	408,496	85.3	85.1 - 85.5		313,706	85.8	85.5 - 86.0		94,790	83.7	83.3 - 84.1
Regional	34,819	36.1	35.3 - 36.9		25,712	37.0	35.9 - 38.0		9,107	33.6	32.2 - 35.1
Distant	21,421	7.0	6.5 - 7.6		14,957	7.5	6.8 - 8.3		6,464	6.0	5.2 - 6.9
Unstaged	41,306	64.1	63.3 - 64.8		31,333	65.6	64.7 - 66.5		9,973	59.8	58.3 - 61.2
Age Group*											
15-44	8,673	87.6	86.7 - 88.5		6,053	89.9	88.9 - 90.9		2,620	82.2	80.4 - 83.9
45-54	30,100	82.8	82.3 - 83.4		22,115	83.6	83.0 - 84.3		7,985	80.5	79.4 - 81.6
55-64	92,314	80.4	80.0 - 80.7		70,741	80.7	80.2 - 81.1		21,573	79.4	78.7 - 80.1
65-74	156,633	78.2	77.8 - 78.5		122,011	78.8	78.4 - 79.2		34,622	75.9	75.2 - 76.6
75+	215,682	68.2	67.7 - 68.6		162,643	70.0	69.5 - 70.6		53,039	62.5	61.7 - 63.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Kidney & Renal Pelvis**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	370,370	73.1	72.9 - 73.4		233,591	72.7	72.3 - 73.0		136,779	74.1	73.7 - 74.5	
Race												
White	311,086	73.2	72.9 - 73.5		197,421	72.8	72.4 - 73.1		113,665	74.1	73.7 - 74.5	
Black	43,404	72.6	71.8 - 73.4		26,117	71.8	70.5 - 73.0		17,287	74.2	73.0 - 75.3	
Stage												
Localized	248,842	89.4	89.1 - 89.7		153,247	89.5	89.1 - 90.0		95,595	89.3	88.8 - 89.7	
Regional	58,029	66.9	66.2 - 67.5		38,628	68.2	67.3 - 69.0		19,401	64.8	63.8 - 65.8	
Distant	52,058	13.1	12.7 - 13.6		34,916	13.4	12.8 - 13.9		17,142	12.7	11.9 - 13.4	
Unstaged	13,645	52.1	50.8 - 53.3		8,404	51.4	49.8 - 53.1		5,241	53.4	51.4 - 55.4	
Age Group*												
15-44	28,912	88.9	88.5 - 89.4		17,277	87.5	86.9 - 88.2		11,635	91.0	90.3 - 91.7	
45-54	56,720	82.5	82.1 - 82.9		37,041	80.9	80.4 - 81.5		19,679	85.5	84.8 - 86.1	
55-64	99,519	76.9	76.5 - 77.3		65,234	75.5	75.0 - 76.0		34,285	79.6	79.0 - 80.2	
65-74	106,560	74.2	73.8 - 74.6		68,439	73.6	73.0 - 74.2		38,121	75.3	74.6 - 75.9	
75+	79,238	61.4	60.7 - 62.0		46,010	62.5	61.6 - 63.5		33,228	59.8	58.8 - 60.8	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	29,917	69.5	68.7 - 70.3		19,389	69.0	67.9 - 70.1		10,528	70.6	69.3 - 71.8	
Stage												
Localized	5,106	82.1	79.9 - 84.1		3,231	82.9	79.9 - 85.4		1,875	81.1	77.9 - 83.9	
Regional	1,705	68.3	64.6 - 71.7		1,127	69.4	64.6 - 73.7		578	66.7	60.6 - 72.1	
Distant	1,392	12.1	9.8 - 14.6		965	13.7	10.8 - 16.9		427	7.8	4.4 - 12.3 *	
Unstaged	21,770	70.2	69.3 - 71.2		14,106	69.6	68.3 - 70.8		7,664	71.6	70.1 - 73.0	
Age Group*												
15-44	1,987	90.8	89.1 - 92.2		1,257	89.4	87.0 - 91.3		730	93.2	90.7 - 95.0	
45-54	4,571	84.1	82.7 - 85.4		3,018	81.9	80.0 - 83.5		1,553	88.3	86.1 - 90.2	
55-64	7,967	76.8	75.5 - 78.0		5,352	75.0	73.4 - 76.6		2,615	80.1	78.0 - 82.1	
65-74	8,372	70.5	69.0 - 72.0		5,572	70.0	68.1 - 71.8		2,800	71.6	69.0 - 73.9	
75+	7,089	51.5	49.4 - 53.6		4,242	53.0	50.2 - 55.7		2,847	49.3	46.2 - 52.3	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	400,287	72.8	72.6 - 73.1		252,980	72.4	72.0 - 72.7		147,307	73.8	73.5 - 74.2	
Stage												
Localized	253,948	89.2	88.9 - 89.5		156,478	89.4	88.9 - 89.8		97,470	89.1	88.6 - 89.5	
Regional	59,734	66.9	66.3 - 67.6		39,755	68.2	67.4 - 69.0		19,979	64.9	63.8 - 65.9	
Distant	53,450	13.1	12.7 - 13.5		35,881	13.4	12.9 - 14.0		17,569	12.6	11.8 - 13.3	
Unstaged	35,415	63.4	62.7 - 64.1		22,510	62.9	61.9 - 63.9		12,905	64.6	63.5 - 65.8	
Age Group*												
15-44	30,899	89.1	88.6 - 89.5		18,534	87.7	87.0 - 88.3		12,365	91.2	90.5 - 91.8	
45-54	61,291	82.6	82.2 - 83.0		40,059	81.0	80.5 - 81.5		21,232	85.7	85.1 - 86.3	
55-64	107,486	76.9	76.5 - 77.3		70,586	75.4	75.0 - 75.9		36,900	79.6	79.1 - 80.2	
65-74	114,932	73.9	73.5 - 74.3		74,011	73.3	72.8 - 73.9		40,921	75.0	74.3 - 75.7	
75+	86,327	60.5	59.9 - 61.2		50,252	61.7	60.8 - 62.6		36,075	59.0	58.0 - 59.9	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Brain & Other Nervous System (invasive)**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	124,322	30.2	29.9 - 30.5		69,837	28.5	28.1 - 28.9		54,485	32.5	32.0 - 32.9	
Race												
White	110,335	30.1	29.7 - 30.4		62,203	28.4	28.0 - 28.8		48,132	32.3	31.8 - 32.8	
Black	8,626	30.4	29.3 - 31.6		4,661	27.5	26.0 - 29.1		3,965	33.9	32.1 - 35.7	
Stage												
Localized	95,799	31.6	31.3 - 32.0		53,971	30.0	29.6 - 30.5		41,828	33.8	33.2 - 34.3	
Regional	16,408	20.5	19.7 - 21.4		9,232	18.3	17.2 - 19.5		7,176	23.3	22.1 - 24.6	
Distant	2,252	23.1	20.9 - 25.3		1,262	20.9	18.1 - 23.8		990	25.6	22.1 - 29.3	
Unstaged	10,020	34.3	32.9 - 35.7		5,464	32.5	30.6 - 34.3		4,556	36.7	34.4 - 38.9	
Age Group*												
15-44	25,553	66.8	66.1 - 67.6		14,357	64.4	63.4 - 65.4		11,196	69.9	68.8 - 71.0	
45-54	17,781	31.6	30.7 - 32.5		10,494	29.1	28.0 - 30.3		7,287	35.2	33.8 - 36.6	
55-64	28,845	16.2	15.6 - 16.8		16,627	14.5	13.8 - 15.2		12,218	18.4	17.5 - 19.4	
65-74	28,156	10.0	9.5 - 10.6		16,029	9.0	8.3 - 9.6		12,127	11.5	10.7 - 12.3	
75+	24,017	5.1	4.6 - 5.5		12,347	4.8	4.2 - 5.4		11,670	5.4	4.8 - 6.0	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	12,523	28.4	27.5 - 29.4		7,204	27.3	26.1 - 28.5		5,319	30.1	28.6 - 31.6	
Stage												
Localized	2,136	29.6	27.4 - 31.9		1,234	29.8	27.0 - 32.7		902	27.8	24.1 - 31.7*	
Regional	826	19.6	16.1 - 23.2		496	18.4	14.2 - 23.0		330	16.4	11.7 - 21.7*	
Distant	60	19.9	11.5 - 30.0		34	17.5	6.6 - 32.8 *		26	14.1	3.6 - 31.3 *	
Unstaged	9,502	28.8	27.7 - 29.9		5,441	27.4	26.1 - 28.9		4,061	30.7	29.0 - 32.5	
Age Group*												
15-44	2,354	65.0	62.5 - 67.3		1,390	64.2	61.0 - 67.2		964	66.1	62.1 - 69.7	
45-54	1,876	29.6	26.9 - 32.2		1,150	26.9	23.6 - 30.3		726	33.6	29.4 - 37.9	
55-64	2,919	14.7	13.0 - 16.5		1,723	13.0	11.0 - 15.2		1,196	17.2	14.4 - 20.2	
65-74	2,855	8.5	7.1 - 10.0		1,634	7.9	6.2 - 9.8		1,221	9.2	7.0 - 11.6	
75+	2,523	2.9	2.1 - 4.0		1,309	2.9	1.7 - 4.5		1,214	2.9	1.8 - 4.5	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	136,845	30.0	29.7 - 30.3		77,041	28.4	28.0 - 28.8		59,804	32.3	31.8 - 32.7	
Stage												
Localized	97,935	31.6	31.2 - 31.9		55,205	30.0	29.6 - 30.5		42,730	33.7	33.2 - 34.2	
Regional	17,234	20.5	19.7 - 21.3		9,728	18.3	17.3 - 19.4		7,506	23.3	22.0 - 24.5	
Distant	2,312	22.9	20.8 - 25.2		1,296	20.9	18.2 - 23.7		1,016	25.3	21.8 - 28.9	
Unstaged	19,522	31.0	30.1 - 31.8		10,905	29.4	28.3 - 30.5		8,617	33.1	31.8 - 34.5	
Age Group*												
15-44	27,907	66.7	65.9 - 67.4		15,747	64.4	63.4 - 65.4		12,160	69.6	68.5 - 70.6	
45-54	19,657	31.4	30.6 - 32.3		11,644	28.9	27.9 - 30.0		8,013	35.1	33.7 - 36.4	
55-64	31,764	16.0	15.5 - 16.6		18,350	14.3	13.7 - 15.1		13,414	18.3	17.4 - 19.2	
65-74	31,011	9.9	9.4 - 10.4		17,663	8.9	8.3 - 9.5		13,348	11.3	10.5 - 12.0	
75+	26,540	4.9	4.5 - 5.3		13,656	4.6	4.0 - 5.2		12,884	5.2	4.6 - 5.8	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Brain & Other Nervous System (non-invasive)**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	274,555	91.6	91.4 - 91.8		88,503	89.8	89.4 - 90.2		186,052	92.5	92.3 - 92.7	
Race												
White	225,992	92.1	91.9 - 92.3		73,961	90.4	90.0 - 90.8		152,031	92.8	92.6 - 93.1	
Black	30,841	87.4	86.7 - 88.0		8,910	83.6	82.2 - 84.8		21,931	88.9	88.2 - 89.6	
Stage												
Localized	-	-			-	-			-	-		
Regional	-	-			-	-			-	-		
Distant	-	-			-	-			-	-		
Unstaged	-	-			-	-			-	-		
Age Group*												
15-44	41,782	97.0	96.8 - 97.3		15,667	96.2	95.7 - 96.6		26,115	97.5	97.3 - 97.8	
45-54	43,441	95.8	95.5 - 96.1		13,523	94.4	93.7 - 94.9		29,918	96.4	96.1 - 96.7	
55-64	59,180	92.9	92.6 - 93.3		19,103	91.2	90.4 - 91.8		40,077	93.8	93.4 - 94.2	
65-74	61,859	89.4	88.9 - 89.8		20,166	87.5	86.6 - 88.4		41,693	90.3	89.7 - 90.8	
75+	68,470	77.0	76.2 - 77.8		20,096	72.8	71.2 - 74.3		48,374	78.7	77.8 - 79.6	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	21,859	81.3	80.6 - 82.0		8,499	76.6	75.4 - 77.8		13,360	84.2	83.3 - 85.0	
Stage												
Localized	-	-			-	-			-	-		
Regional	-	-			-	-			-	-		
Distant	-	-			-	-			-	-		
Unstaged	-	-			-	-			-	-		
Age Group*												
15-44	4,026	92.8	91.7 - 93.7		1,758	90.4	88.5 - 91.9		2,268	94.7	93.4 - 95.7	
45-54	3,719	86.7	85.3 - 88.0		1,415	81.0	78.3 - 83.5		2,304	90.1	88.5 - 91.5	
55-64	4,619	82.0	80.5 - 83.4		1,755	75.8	73.1 - 78.3		2,864	85.7	83.9 - 87.3	
65-74	4,380	74.9	73.0 - 76.7		1,758	71.9	68.8 - 74.7		2,622	76.9	74.5 - 79.2	
75+	5,148	59.7	57.3 - 62.1		1,827	51.9	47.6 - 56.1		3,321	63.9	60.9 - 66.8	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	296,414	90.8	90.7 - 91.0		97,002	88.6	88.3 - 89.0		199,412	91.9	91.7 - 92.1	
Stage												
Localized	-	-			-	-			-	-		
Regional	-	-			-	-			-	-		
Distant	-	-			-	-			-	-		
Unstaged	-	-			-	-			-	-		
Age Group*												
15-44	45,808	96.6	96.4 - 96.9		17,425	95.5	95.1 - 96.0		28,383	97.3	97.0 - 97.6	
45-54	47,160	95.0	94.7 - 95.3		14,938	93.1	92.5 - 93.7		32,222	95.9	95.6 - 96.3	
55-64	63,799	92.1	91.8 - 92.5		20,858	89.8	89.1 - 90.5		42,941	93.2	92.8 - 93.6	
65-74	66,239	88.4	87.9 - 88.8		21,924	86.3	85.4 - 87.1		44,315	89.4	88.9 - 90.0	
75+	73,618	75.7	75.0 - 76.5		21,923	70.9	69.4 - 72.4		51,695	77.7	76.8 - 78.6	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Thyroid**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	298,526	96.4	96.2 - 96.6		75,025	93.8	93.4 - 94.2		223,501	97.4	97.2 - 97.5	
Race												
White	249,276	96.6	96.4 - 96.8		65,082	94.1	93.7 - 94.5		184,194	97.6	97.4 - 97.7	
Black	23,652	94.7	93.8 - 95.4		4,370	89.9	87.6 - 91.7		19,282	95.6	94.8 - 96.2	
Stage												
Localized	201,733	99.7	99.6 - 99.7		43,764	99.2	98.9 - 99.4		157,969	99.8	99.7 - 99.8	
Regional	79,601	95.5	95.1 - 95.8		24,877	93.6	92.8 - 94.3		54,724	96.4	95.9 - 96.8	
Distant	10,148	59.3	58.2 - 60.5		4,519	54.2	52.2 - 56.0		5,629	63.3	61.8 - 64.8	
Unstaged	7,481	86.8	85.5 - 87.9		2,038	82.4	79.7 - 84.7		5,443	88.4	86.9 - 89.8	
Age Group*												
15-44	104,780	99.4	99.4 - 99.5		19,598	98.5	98.1 - 98.7		85,182	99.7	99.6 - 99.7	
45-54	66,591	98.3	98.1 - 98.4		15,575	95.7	95.1 - 96.1		51,016	99.0	98.9 - 99.2	
55-64	62,910	96.9	96.6 - 97.2		18,106	94.1	93.5 - 94.7		44,804	98.0	97.7 - 98.3	
65-74	43,503	95.7	95.3 - 96.1		14,426	91.8	90.8 - 92.8		29,077	97.4	96.9 - 97.7	
75+	20,795	88.2	87.0 - 89.4		7,338	84.7	82.3 - 86.8		13,457	89.8	88.9 - 90.6	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	31,506	96.3	95.8 - 96.8		7,938	93.6	92.5 - 94.6		23,568	97.3	96.7 - 97.8	
Stage												
Localized	8,418	100.0	76.7 - 100.0		1,744	99.1	97.4 - 99.7		6,674	99.9	98.3 - 100.0	
Regional	2,917	94.1	91.6 - 95.9		939	90.2	85.8 - 93.2		1,978	96.0	93.1 - 97.7	
Distant	384	60.6	54.7 - 66.0		192	57.0	47.8 - 65.2		192	64.0	56.2 - 70.7	
Unstaged	19,874	95.8	95.0 - 96.4		5,087	93.3	91.9 - 94.5		14,787	96.6	95.7 - 97.2	
Age Group*												
15-44	10,895	99.7	99.4 - 99.8		2,239	99.1	98.3 - 99.5		8,656	99.8	99.5 - 99.9	
45-54	7,865	99.1	98.6 - 99.4		1,789	97.4	96.1 - 98.2		6,076	99.6	98.9 - 99.8	
55-64	6,572	97.8	97.0 - 98.4		1,861	94.8	92.9 - 96.3		4,711	98.9	97.9 - 99.4	
65-74	4,155	95.1	93.7 - 96.2		1,398	91.3	88.2 - 93.7		2,757	96.7	95.0 - 97.8	
75+	2,050	85.8	82.8 - 88.3		663	79.8	73.8 - 84.6		1,387	88.0	84.7 - 90.6	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	330,032	96.4	96.2 - 96.6		82,963	93.9	93.5 - 94.2		247,069	97.4	97.2 - 97.5	
Stage												
Localized	210,151	99.7	99.6 - 99.7		45,508	99.2	98.9 - 99.4		164,643	99.8	99.7 - 99.8	
Regional	82,518	95.4	95.0 - 95.8		25,816	93.5	92.7 - 94.2		56,702	96.3	95.9 - 96.7	
Distant	10,532	59.4	58.3 - 60.6		4,711	54.4	52.5 - 56.2		5,821	63.3	61.9 - 64.8	
Unstaged	27,355	92.7	92.0 - 93.3		7,125	89.8	88.4 - 91.0		20,230	93.8	93.0 - 94.4	
Age Group*												
15-44	115,675	99.5	99.4 - 99.5		21,837	98.5	98.2 - 98.8		93,838	99.7	99.6 - 99.7	
45-54	74,456	98.4	98.2 - 98.5		17,364	95.9	95.3 - 96.3		57,092	99.1	98.9 - 99.3	
55-64	69,482	97.0	96.7 - 97.2		19,967	94.2	93.6 - 94.8		49,515	98.1	97.8 - 98.3	
65-74	47,658	95.6	95.2 - 96.0		15,824	91.9	90.9 - 92.7		31,834	97.3	96.9 - 97.7	
75+	22,845	88.1	87.2 - 89.0		8,001	84.5	82.2 - 86.5		14,844	89.7	88.8 - 90.4	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Hodgkin Lymphoma**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	52,541	85.2	84.8 - 85.6		29,012	84.0	83.4 - 84.6		23,529	86.7	86.1 - 87.3	
Race												
White	42,836	85.6	85.2 - 86.0		23,780	84.5	83.9 - 85.1		19,056	87.0	86.4 - 87.6	
Black	7,013	82.9	81.5 - 84.3		3,755	81.7	79.5 - 83.6		3,258	84.5	82.6 - 86.2	
Stage												
Localized	7,445	90.9	89.9 - 91.8		4,239	90.1	88.7 - 91.4		3,206	91.5	90.1 - 92.8	
Regional	18,653	89.0	88.2 - 89.8		9,244	88.2	87.0 - 89.3		9,409	89.7	88.6 - 90.7	
Distant	22,456	80.6	79.9 - 81.2		13,358	79.4	78.5 - 80.3		9,098	82.4	81.4 - 83.3	
Unstaged	3,998	83.1	81.7 - 84.5		2,178	81.5	79.3 - 83.4		1,820	85.0	82.9 - 86.8	
Age Group*												
15-44	28,413	95.3	94.9 - 95.6		14,912	94.4	93.8 - 94.8		13,501	96.3	95.8 - 96.7	
45-54	6,887	86.4	85.2 - 87.4		4,288	84.7	83.2 - 86.1		2,599	89.1	87.3 - 90.6	
55-64	6,653	79.6	78.2 - 80.9		4,028	77.7	75.8 - 79.4		2,625	82.5	80.4 - 84.4	
65-74	5,837	67.9	66.1 - 69.7		3,324	66.0	63.4 - 68.4		2,513	70.6	67.9 - 73.2	
75+	4,751	46.4	43.9 - 48.9		2,460	45.6	41.9 - 49.2		2,291	47.3	43.9 - 50.7	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	4,748	85.9	84.6 - 87.1		2,639	84.8	82.9 - 86.4		2,109	87.2	85.3 - 88.8	
Stage												
Localized	133	91.1	84.5 - 95.0		87	90.6	80.8 - 95.6		46	87.1	64.5 - 95.7*	
Regional	457	91.2	86.7 - 94.2		245	91.2	83.6 - 95.4		212	89.1	82.3 - 93.4	
Distant	648	83.6	79.6 - 86.9		390	82.0	76.0 - 86.5		258	84.4	78.3 - 88.9	
Unstaged	3,510	85.2	83.6 - 86.5		1,917	83.7	81.4 - 85.7		1,593	86.8	84.6 - 88.7	
Age Group*												
15-44	2,710	95.5	94.2 - 96.6		1,473	94.4	92.5 - 95.9		1,237	96.9	95.0 - 98.0	
45-54	547	92.7	89.3 - 95.0		331	92.0	87.6 - 94.9		216	93.0	86.6 - 96.4	
55-64	564	80.2	75.3 - 84.2		344	79.4	72.9 - 84.5		220	81.1	73.2 - 86.9	
65-74	487	66.3	60.2 - 71.8		276	63.7	55.2 - 71.1		211	69.3	60.1 - 76.8	
75+	440	46.6	39.7 - 53.2		215	46.0	36.1 - 55.3		225	47.5	37.9 - 56.4	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count.	RSR ¹	95% CI ¹	
Total	57,289	85.3	84.9 - 85.6		31,651	84.1	83.5 - 84.6		25,638	86.8	86.2 - 87.3	
Stage												
Localized	7,578	91.0	90.0 - 91.9		4,326	90.2	88.8 - 91.4		3,252	91.5	90.1 - 92.7	
Regional	19,110	89.1	88.3 - 89.9		9,489	88.4	87.2 - 89.5		9,621	89.8	88.7 - 90.7	
Distant	23,104	80.7	80.0 - 81.3		13,748	79.5	78.6 - 80.4		9,356	82.5	81.5 - 83.4	
Unstaged	7,508	84.2	83.1 - 85.2		4,095	82.6	81.1 - 84.0		3,413	85.9	84.4 - 87.2	
Age Group*												
15-44	31,123	95.3	95.0 - 95.6		16,385	94.4	93.9 - 94.8		14,738	96.3	95.9 - 96.7	
45-54	7,434	86.8	85.8 - 87.8		4,619	85.3	83.9 - 86.6		2,815	89.4	87.7 - 90.8	
55-64	7,217	79.6	78.3 - 80.9		4,372	77.8	76.0 - 79.5		2,845	82.4	80.4 - 84.2	
65-74	6,324	67.9	66.1 - 69.6		3,600	65.8	63.4 - 68.1		2,724	70.6	68.0 - 73.0	
75+	5,191	46.5	44.2 - 48.9		2,675	45.6	42.1 - 49.0		2,516	47.4	44.2 - 50.6	

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* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Non-Hodgkin Lymphoma**

NAACCR U.S. Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	426,078	70.9	70.7 - 71.2		233,400	68.9	68.5 - 69.2	192,678	73.5	73.2 - 73.8
Race										
White	368,162	71.6	71.4 - 71.8		202,918	69.5	69.2 - 69.9	165,244	74.2	73.9 - 74.5
Black	34,844	64.0	63.0 - 64.9		18,191	60.7	59.3 - 62.0	16,653	67.4	66.1 - 68.5
Stage										
Localized	107,589	81.7	81.3 - 82.1		56,374	80.5	79.9 - 81.1	51,215	83.0	82.5 - 83.6
Regional	60,005	73.9	73.3 - 74.5		32,564	72.7	71.9 - 73.5	27,441	75.4	74.6 - 76.2
Distant	212,393	64.2	63.9 - 64.5		119,996	62.0	61.6 - 62.5	92,397	67.1	66.6 - 67.5
Unstaged	51,337	72.2	71.6 - 72.8		27,396	69.4	68.5 - 70.2	23,941	75.5	74.7 - 76.3
Age Group*										
15-44	37,833	84.0	83.6 - 84.5		22,300	81.8	81.2 - 82.4	15,533	87.2	86.6 - 87.8
45-54	48,721	81.4	81.0 - 81.8		27,658	78.2	77.6 - 78.9	21,063	85.6	85.0 - 86.2
55-64	91,013	77.1	76.7 - 77.4		51,226	74.3	73.7 - 74.8	39,787	80.6	80.1 - 81.2
65-74	116,404	72.6	72.2 - 73.0		64,368	70.5	69.9 - 71.1	52,036	75.1	74.6 - 75.7
75+	132,953	57.0	56.5 - 57.5		68,319	55.9	55.2 - 56.7	64,634	58.1	57.4 - 58.8

NAACCR Canadian Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	41,248	69.0	68.3 - 69.6		22,798	66.9	66.0 - 67.9	18,450	71.4	70.5 - 72.3
Stage										
Localized	2,219	79.9	77.0 - 82.6		1,198	78.1	73.8 - 81.7	1,021	81.2	77.1 - 84.7
Regional	1,545	72.0	68.6 - 75.1		853	69.5	64.7 - 73.8	692	73.8	69.2 - 77.7
Distant	8,629	67.1	65.6 - 68.6		4,948	65.8	63.7 - 67.8	3,681	68.9	66.7 - 71.0
Unstaged	28,984	68.3	67.5 - 69.1		15,873	66.0	64.9 - 67.1	13,111	71.1	70.0 - 72.1
Age Group*										
15-44	3,595	85.3	83.9 - 86.6		2,066	83.3	81.3 - 85.1	1,529	88.1	86.0 - 89.9
45-54	4,807	82.2	80.8 - 83.5		2,755	80.8	78.9 - 82.6	2,052	84.1	82.0 - 86.0
55-64	9,012	76.9	75.7 - 78.0		5,116	74.3	72.6 - 75.9	3,896	80.2	78.4 - 81.8
65-74	10,920	70.2	68.9 - 71.4		6,156	67.8	66.0 - 69.6	4,764	73.1	71.2 - 74.8
75+	13,038	52.1	50.6 - 53.5		6,770	50.6	48.4 - 52.7	6,268	53.6	51.5 - 55.6

NAACCR North America Combined		MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	467,326	70.8	70.6 - 71.0		256,198	68.7	68.4 - 69.0	211,128	73.4	73.1 - 73.6
Stage										
Localized	109,808	81.7	81.2 - 82.1		57,572	80.5	79.8 - 81.1	52,236	83.0	82.4 - 83.6
Regional	61,550	73.8	73.3 - 74.4		33,417	72.6	71.8 - 73.4	28,133	75.4	74.6 - 76.2
Distant	221,022	64.3	64.0 - 64.6		124,944	62.2	61.7 - 62.6	96,078	67.2	66.7 - 67.6
Unstaged	80,321	70.9	70.4 - 71.3		43,269	68.2	67.5 - 68.9	37,052	73.9	73.3 - 74.6
Age Group*										
15-44	41,428	84.2	83.7 - 84.6		24,366	82.0	81.4 - 82.5	17,062	87.3	86.7 - 87.9
45-54	53,528	81.5	81.1 - 81.9		30,413	78.5	77.9 - 79.1	23,115	85.4	84.9 - 86.0
55-64	100,025	77.0	76.7 - 77.4		56,342	74.3	73.8 - 74.8	43,683	80.6	80.1 - 81.1
65-74	127,324	72.4	72.0 - 72.8		70,524	70.3	69.7 - 70.8	56,800	74.9	74.4 - 75.5
75+	145,991	56.5	56.1 - 57.0		75,089	55.4	54.7 - 56.1	70,902	57.7	57.0 - 58.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Myeloma**

NAACCR U.S. Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	156,893	55.8	55.4 - 56.2		87,472	55.3	54.8 - 55.9		69,421	56.5	55.9 - 57.1	
Race												
White	117,166	55.9	55.4 - 56.3		67,449	55.6	55.0 - 56.2		49,717	56.3	55.6 - 57.0	
Black	32,637	55.1	54.2 - 56.0		16,118	53.7	52.3 - 55.0		16,519	56.5	55.3 - 57.7	
Stage												
Localized	6,402	69.9	68.0 - 71.6		3,969	70.1	67.6 - 72.4		2,433	69.3	66.6 - 71.8	
Regional	17	-			-	-			-	-		
Distant	151,702	55.1	54.7 - 55.5		84,255	54.5	53.9 - 55.0		67,447	55.9	55.3 - 56.5	
Unstaged	236	-			143	-			93	0.0		
Age Group*												
15-44	4,885	78.0	76.4 - 79.5		2,745	76.4	74.2 - 78.4		2,140	80.2	77.7 - 82.4	
45-54	16,075	70.2	69.2 - 71.2		9,058	67.9	66.5 - 69.2		7,017	73.2	71.7 - 74.6	
55-64	36,244	64.3	63.6 - 65.0		20,745	63.2	62.2 - 64.2		15,499	65.7	64.7 - 66.8	
65-74	49,006	56.1	55.4 - 56.8		27,774	55.7	54.7 - 56.7		21,232	56.6	55.5 - 57.6	
75+	50,841	37.5	36.7 - 38.3		27,255	38.4	37.3 - 39.6		23,586	36.5	35.4 - 37.6	

NAACCR Canadian Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	14,805	53.5	52.2 - 54.7		8,527	52.7	51.0 - 54.3		6,278	54.6	52.8 - 56.5	
Stage												
Localized	142	76.5	64.4 - 84.9		98	72.6	57.2 - 83.2		44	81.7	60.7 - 92.1 *	
Regional	-	-			-	-			-	-		
Distant	11,600	53.1	51.7 - 54.5		6,632	52.1	50.2 - 54.0		4,968	54.5	52.4 - 56.5	
Unstaged	3,260	53.4	50.8 - 55.9		1,928	53.1	49.7 - 56.4		1,332	53.7	49.7 - 57.5	
Age Group*												
15-44	350	82.7	77.1 - 87.0		206	84.4	76.9 - 89.7		144	80.4	71.1 - 87.0	
45-54	1,276	68.2	64.4 - 71.6		751	66.3	61.2 - 70.8		525	71.0	65.2 - 76.1	
55-64	3,019	63.9	61.3 - 66.2		1,761	61.2	57.8 - 64.4		1,258	67.5	63.7 - 71.1	
65-74	4,402	51.4	49.0 - 53.7		2,636	50.8	47.7 - 53.8		1,766	52.2	48.5 - 55.8	
75+	5,784	34.2	32.0 - 36.4		3,191	34.5	31.3 - 37.7		2,593	33.8	30.7 - 37.0	

NAACCR North America Combined				MALES AND FEMALES			MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹	
Total	171,698	55.6	55.2 - 56.0		95,999	55.1	54.6 - 55.6		75,699	56.4	55.8 - 56.9	
Stage												
Localized	6,544	70.0	68.2 - 71.8		4,067	70.1	67.7 - 72.4		2,477	69.6	66.9 - 72.1	
Regional	17	-			-	-			-	-		
Distant	163,302	54.9	54.6 - 55.3		90,887	54.3	53.8 - 54.8		72,415	55.8	55.3 - 56.4	
Unstaged	3,496	53.3	50.7 - 55.8		2,071	53.2	49.9 - 56.5		1,425	53.3	49.3 - 57.1	
Age Group*												
15-44	5,235	78.3	76.8 - 79.8		2,951	76.9	74.8 - 78.9		2,284	80.2	77.8 - 82.4	
45-54	17,351	70.0	69.1 - 71.0		9,809	67.7	66.4 - 69.0		7,542	73.1	71.6 - 74.4	
55-64	39,263	64.3	63.6 - 64.9		22,506	63.0	62.1 - 64.0		16,757	65.9	64.8 - 66.9	
65-74	53,408	55.7	55.0 - 56.4		30,410	55.3	54.4 - 56.2		22,998	56.2	55.2 - 57.3	
75+	56,625	37.2	36.4 - 37.9		30,446	38.0	37.0 - 39.1		26,179	36.2	35.2 - 37.3	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Leukemias**

NAACCR U.S. Combined		MALES AND FEMALES			MALES			FEMALES			
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹
Total	296,428	57.6	57.3 - 57.9		173,324	57.5	57.1 - 57.8		123,104	57.7	57.3 - 58.1
Race											
White	257,043	58.2	57.9 - 58.5		151,770	57.9	57.5 - 58.2		105,273	58.6	58.2 - 59.0
Black	24,816	49.6	48.6 - 50.6		13,211	50.4	49.0 - 51.8		11,605	48.7	47.4 - 50.1
Stage											
Localized	-	-			-	-			-	-	
Regional	-	-			-	-			-	-	
Distant	-	-			-	-			-	-	
Unstaged	-	-			-	-			-	-	
Age Group*											
15-44	31,024	70.6	70.0 - 71.3		17,671	70.7	69.9 - 71.6		13,353	70.5	69.5 - 71.4
45-54	30,124	71.3	70.7 - 71.9		17,529	72.8	71.9 - 73.6		12,595	69.2	68.2 - 70.2
55-64	58,787	66.8	66.3 - 67.3		35,466	67.2	66.5 - 67.9		23,321	66.1	65.3 - 66.9
65-74	78,645	57.2	56.7 - 57.6		47,967	56.7	56.0 - 57.3		30,678	57.9	57.1 - 58.7
75+	98,169	42.0	41.4 - 42.5		54,893	41.0	40.2 - 41.8		43,276	43.1	42.2 - 43.9

NAACCR Canadian Combined		MALES AND FEMALES				MALES			FEMALES		
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹
Total	31,655	62.5	61.7 - 63.2		18,866	62.2	61.1 - 63.2		12,789	62.9	61.8 - 64.1
Stage											
Localized	-	-			-	-			-	-	
Regional	-	-			-	-			-	-	
Distant	-	-			-	-			-	-	
Unstaged	-	-			-	-			-	-	
Age Group*											
15-44	2,473	76.2	74.1 - 78.2		1,349	78.4	75.6 - 80.9		1,124	73.5	70.2 - 76.5
45-54	3,079	77.4	75.5 - 79.2		1,808	79.6	77.2 - 81.8		1,271	74.2	71.1 - 77.0
55-64	6,215	72.3	70.8 - 73.7		3,873	71.4	69.4 - 73.3		2,342	73.5	71.3 - 75.6
65-74	8,490	63.7	62.3 - 65.2		5,280	63.5	61.6 - 65.4		3,210	64.1	61.8 - 66.3
75+	11,419	44.0	42.4 - 45.6		6,572	42.3	40.1 - 44.5		4,847	46.1	43.7 - 48.4

NAACCR North America Combined				MALES AND FEMALES				MALES				FEMALES			
Subgroup	Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹		Count	RSR ¹	95% CI ¹
Total	328,083	58.1	57.8 - 58.3		192,190	57.9	57.6 - 58.2		135,893	58.2	57.8 - 58.6				
Stage															
Localized	-	-			-	-			-	-			-	-	
Regional	-	-			-	-			-	-			-	-	
Distant	-	-			-	-			-	-			-	-	
Unstaged	-	-			-	-			-	-			-	-	
Age Group*															
15-44	33,497	71.1	70.4 - 71.6		19,020	71.3	70.5 - 72.1		14,477	70.7	69.8 - 71.6				
45-54	33,203	71.9	71.3 - 72.5		19,337	73.4	72.6 - 74.2		13,866	69.7	68.7 - 70.6				
55-64	65,002	67.3	66.8 - 67.8		39,339	67.6	67.0 - 68.2		25,663	66.8	66.0 - 67.5				
65-74	87,135	57.8	57.3 - 58.3		53,247	57.3	56.7 - 57.9		33,888	58.5	57.8 - 59.2				
75+	109,588	42.2	41.6 - 42.7		61,465	41.2	40.4 - 41.9		48,123	43.4	42.6 - 44.1				

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 for Mesothelioma**

NAACCR U.S. Combined

Subgroup	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	19,778	15.6	14.7 - 16.4	14,816	13.1	12.1 - 14.2	4,962	20.6	19.0 - 22.2
Race									
White	18,292	15.3	14.5 - 16.2	13,761	13.1	12.1 - 14.2	4,531	20.1	18.5 - 21.8
Black	944	16.5	13.5 - 19.8	671	11.0	7.7 - 15.0	273	24.7	19.4 - 30.4
Stage									
Localized	2,453	26.0	23.2 - 28.9	1,751	24.3	20.7 - 28.0	702	30.4	25.4 - 35.5
Regional	3,661	19.2	17.1 - 21.4	2,759	16.9	14.4 - 19.6	902	23.3	19.0 - 27.9
Distant	11,624	11.3	10.4 - 12.3	8,796	9.4	8.3 - 10.7	2,828	15.4	13.6 - 17.2
Unstaged	2,092	21.9	19.1 - 24.9	1,552	17.2	13.9 - 20.8	540	31.1	25.6 - 36.7
Age Group*									
15-44	529	50.0	44.6 - 55.2	248	39.7	32.1 - 47.3	281	59.6	52.4 - 66.0
45-54	990	29.4	25.8 - 33.1	562	26.5	21.9 - 31.3	428	33.2	27.6 - 38.9
55-64	2,834	16.8	15.0 - 18.8	1,942	13.8	11.7 - 16.0	892	23.6	19.9 - 27.5
65-74	5,933	10.5	9.4 - 11.8	4,598	8.8	7.5 - 10.1	1,335	16.5	13.7 - 19.6
75+	9,500	5.6	4.8 - 6.5	7,472	5.1	4.2 - 6.0	2,028	7.6	5.7 - 9.8

NAACCR Canadian Combined

Subgroup	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	2,842	14.7	12.4 - 17.2	2,264	11.8	8.9 - 15.2	578	21.4	16.6 - 26.5
Stage									
Localized	114	8.9	2.6 - 20.1	88	3.7	0.3 - 15.1 *	26	-	
Regional	144	8.2	2.3 - 18.9	119	0.0		25	31.7	14.2 - 51.0 *
Distant	879	5.5	3.3 - 8.6	732	5.8	3.4 - 8.9 *	147	0.0	
Unstaged	1,706	18.0	15.1 - 21.0	1,325	14.2	10.7 - 18.2	381	26.0	20.3 - 32.1
Age Group*									
15-44	51	55.6	35.2 - 71.8	24	-		27	64.5	42.7 - 79.8
45-54	120	21.9	12.6 - 32.8	64	20.3	9.1 - 34.5	56	24.4	10.5 - 41.2
55-64	412	17.3	12.5 - 22.7	299	14.2	9.4 - 20.0	113	24.3	12.8 - 37.9
65-74	876	9.2	6.7 - 12.0	702	6.2	4.0 - 9.2	174	19.4	12.7 - 27.3
75+	1,385	5.4	3.5 - 7.8	1,177	4.6	2.9 - 7.0	208	9.2	3.2 - 19.3

**NAACCR North America
Combined**

Subgroup	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Total	22,620	15.5	14.7 - 16.3	17,080	13.0	12.1 - 14.0	5,540	20.7	19.2 - 22.2
Stage									
Localized	2,567	25.2	22.5 - 28.0	1,839	23.4	19.9 - 27.0	728	29.7	24.8 - 34.8
Regional	3,805	19.0	16.9 - 21.1	2,878	16.7	14.2 - 19.3	927	23.8	19.7 - 28.1
Distant	12,503	11.1	10.2 - 12.1	9,528	9.3	8.2 - 10.5	2,975	15.0	13.2 - 16.8
Unstaged	3,798	20.0	18.0 - 22.1	2,877	15.9	13.5 - 18.5	921	28.9	25.0 - 33.0
Age Group*									
15-44	580	50.6	45.4 - 55.5	272	40.3	32.8 - 47.6	308	60.0	53.2 - 66.1
45-54	1,110	28.6	25.2 - 32.1	626	25.8	21.5 - 30.3	484	32.2	26.9 - 37.7
55-64	3,246	16.9	15.1 - 18.7	2,241	13.9	11.9 - 15.9	1,005	23.8	20.3 - 27.5
65-74	6,809	10.4	9.3 - 11.5	5,300	8.5	7.4 - 9.7	1,509	17.0	14.4 - 19.8
75+	10,885	5.6	4.8 - 6.4	8,649	5.0	4.2 - 5.9	2,236	7.7	5.9 - 9.9

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval



Section III

Five Year Age-Standardized Relative Survival Ratios for Cancers Diagnosed 2011-2017, by Registry and Race



**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, All Sites (invasive)**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	9,597,381	64.8	64.7 - 64.8	4,835,297	63.5	63.4 - 63.6	4,762,084	65.8	65.7 - 65.9
Alabama	170,877	61.6	61.3 - 62.0	90,076	60.6	60.0 - 61.1	80,801	62.5	62.0 - 63.0
Alaska	18,574	63.3	62.1 - 64.4	9,528	60.9	59.2 - 62.5	9,046	65.2	63.6 - 66.8
Arizona	197,952	62.7	62.4 - 63.0	99,627	59.9	59.4 - 60.3	98,325	65.2	64.8 - 65.7
Arkansas	105,283	62.1	61.7 - 62.6	55,985	61.3	60.6 - 61.9	49,298	62.8	62.1 - 63.5
California	1,077,536	65.3	65.2 - 65.4	531,348	64.0	63.8 - 64.2	546,188	66.2	66.1 - 66.4
CA - Greater California	608,691	64.6	64.4 - 64.7	303,310	63.1	62.8 - 63.3	305,381	65.7	65.5 - 66.0
CA - Greater Bay Area	211,438	68.3	68.0 - 68.6	104,498	67.3	66.9 - 67.8	106,940	69.0	68.6 - 69.4
CA - Los Angeles	257,058	64.3	64.0 - 64.6	123,435	63.2	62.7 - 63.6	133,623	65.0	64.6 - 65.4
Colorado	147,381	68.2	67.8 - 68.6	73,066	66.8	66.2 - 67.3	74,315	69.3	68.8 - 69.8
Connecticut	134,917	67.0	66.6 - 67.3	66,247	65.8	65.2 - 66.3	68,670	67.8	67.2 - 68.3
Delaware	37,223	65.0	64.2 - 65.7	19,142	64.3	63.2 - 65.4	18,081	65.3	64.3 - 66.4
Florida	783,858	65.1	64.9 - 65.2	405,120	63.5	63.2 - 63.7	378,738	66.5	66.3 - 66.7
Georgia	315,455	63.1	62.8 - 63.4	161,451	62.2	61.8 - 62.6	154,004	63.7	63.3 - 64.1
Hawaii	46,069	63.6	62.9 - 64.2	22,915	60.0	59.0 - 60.9	23,154	66.7	65.8 - 67.6
Idaho	51,483	66.2	65.5 - 66.8	26,601	65.2	64.3 - 66.1	24,882	66.8	65.9 - 67.7
Illinois	436,647	65.0	64.8 - 65.2	215,420	64.0	63.7 - 64.3	221,227	65.7	65.4 - 66.0
Iowa	114,955	64.6	64.2 - 65.1	58,736	63.1	62.5 - 63.7	56,219	66.0	65.4 - 66.6
Kansas	98,303	68.6	68.2 - 69.1	50,335	67.8	67.2 - 68.5	47,968	69.0	68.3 - 69.6
Kentucky	173,364	60.1	59.7 - 60.4	88,131	58.0	57.5 - 58.6	85,233	61.9	61.4 - 62.4
Louisiana	161,947	61.9	61.5 - 62.3	86,101	61.6	61.1 - 62.2	75,846	61.9	61.3 - 62.4
Maine	55,790	65.4	64.8 - 66.0	27,743	63.2	62.3 - 64.1	28,047	67.1	66.3 - 67.9
Maryland	195,376	66.9	66.6 - 67.2	95,678	67.0	66.5 - 67.5	99,698	66.4	66.0 - 66.9
MI - Detroit	146,415	63.9	63.5 - 64.3	73,229	63.8	63.2 - 64.4	73,186	63.7	63.2 - 64.2
Minnesota	186,442	68.9	68.6 - 69.2	94,517	67.5	67.0 - 68.0	91,925	70.1	69.6 - 70.5
Mississippi	104,838	60.1	59.6 - 60.6	55,693	59.5	58.8 - 60.2	49,145	60.4	59.7 - 61.0
Missouri	212,591	62.3	62.0 - 62.6	105,976	60.1	59.6 - 60.6	106,615	64.3	63.9 - 64.7
Montana	38,100	64.9	64.1 - 65.6	19,893	63.8	62.6 - 64.9	18,207	65.6	64.5 - 66.7
Nebraska	63,102	66.1	65.5 - 66.6	32,366	65.0	64.2 - 65.8	30,736	66.9	66.1 - 67.7
New Hampshire	52,817	68.5	67.8 - 69.1	26,607	67.2	66.2 - 68.1	26,210	69.6	68.7 - 70.5
New Jersey	328,961	67.3	67.1 - 67.6	162,189	67.3	67.0 - 67.7	166,772	67.0	66.6 - 67.3
New Mexico	59,202	62.3	61.7 - 62.9	29,301	59.6	58.7 - 60.5	29,901	64.6	63.8 - 65.4
New York	720,516	65.8	65.7 - 66.0	355,790	65.1	64.9 - 65.4	364,726	66.2	66.0 - 66.4
North Carolina	351,016	64.5	64.3 - 64.8	177,607	63.2	62.8 - 63.6	173,409	65.6	65.2 - 65.9
North Dakota	24,374	67.7	66.8 - 68.6	12,772	66.9	65.6 - 68.2	11,602	68.3	67.0 - 69.6
Ohio	414,112	64.4	64.1 - 64.6	206,340	62.9	62.5 - 63.2	207,772	65.5	65.2 - 65.8
Oklahoma	125,666	61.5	61.0 - 61.9	63,878	60.6	59.9 - 61.2	61,788	62.2	61.6 - 62.8
Oregon	136,715	67.5	67.1 - 67.8	68,263	66.0	65.5 - 66.6	68,452	68.6	68.1 - 69.2
Pennsylvania	506,913	65.5	65.3 - 65.7	251,738	64.3	64.0 - 64.6	255,175	66.6	66.3 - 66.8
Rhode Island	39,206	67.0	66.2 - 67.7	18,909	64.8	63.7 - 65.8	20,297	68.8	67.8 - 69.7
South Carolina	172,343	62.8	62.4 - 63.1	89,162	61.3	60.7 - 61.8	83,181	64.0	63.5 - 64.5
South Dakota	29,752	66.3	65.4 - 67.1	15,366	64.5	63.3 - 65.7	14,386	67.6	66.4 - 68.7
Tennessee	232,867	62.6	62.3 - 62.9	119,844	61.4	61.0 - 61.9	113,023	63.5	63.1 - 64.0
Texas	702,694	62.9	62.7 - 63.1	355,924	60.9	60.7 - 61.2	346,770	64.7	64.4 - 64.9
Utah	66,476	70.3	69.7 - 70.8	34,368	70.2	69.4 - 71.0	32,108	69.9	69.0 - 70.7
Vermont	24,075	66.6	65.7 - 67.5	11,963	65.0	63.6 - 66.3	12,112	67.8	66.5 - 69.0
Washington	231,507	67.7	67.4 - 68.0	115,391	66.1	65.6 - 66.5	116,116	69.1	68.7 - 69.5
WA - Seattle	165,574	68.1	67.7 - 68.4	82,767	66.6	66.1 - 67.1	82,807	69.3	68.8 - 69.7
West Virginia	77,156	60.9	60.4 - 61.4	39,308	58.5	57.7 - 59.3	37,848	63.1	62.3 - 63.8
Wisconsin	208,923	66.7	66.4 - 67.1	106,325	65.4	64.9 - 65.8	102,598	67.9	67.4 - 68.3
Wyoming	17,612	65.6	64.5 - 66.7	9,328	65.8	64.3 - 67.3	8,284	64.8	63.2 - 66.3
NAACCR CDN Combined	918,863	64.9	64.7 - 65.0	464,192	63.7	63.5 - 63.9	454,671	65.8	65.6 - 66.0
Alberta	117,475	65.2	64.8 - 65.6	60,453	64.6	64.0 - 65.1	57,022	65.7	65.1 - 66.3
British Columbia	164,106	63.7	63.3 - 64.0	84,329	62.6	62.2 - 63.1	79,777	64.3	63.9 - 64.8
Manitoba	43,228	62.2	61.5 - 62.8	21,519	60.2	59.2 - 61.1	21,709	63.8	62.9 - 64.7
New Brunswick	31,972	62.8	62.1 - 63.6	16,733	61.9	60.8 - 63.0	15,239	63.5	62.4 - 64.6
Newfoundland and Labrador	23,203	64.1	63.2 - 65.0	11,951	63.4	62.1 - 64.7	11,252	64.6	63.3 - 66.0
Ontario	496,540	65.8	65.6 - 66.0	247,500	64.4	64.2 - 64.7	249,040	66.9	66.6 - 67.1
Prince Edward Island	5,988	62.0	60.2 - 63.7	3,125	59.3	56.8 - 61.8	2,863	64.5	62.0 - 66.9
Saskatchewan	36,351	62.0	61.3 - 62.7	18,582	60.7	59.7 - 61.7	17,769	63.1	62.1 - 64.1
NAACCR N.A. Combined	10,516,244	64.8	64.7 - 64.8	5,299,489	63.5	63.4 - 63.6	5,216,755	65.8	65.7 - 65.9

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, All Sites (CSI¹ - invasive)**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ²	95% CI ²	Count	RSR ²	95% CI ²	Count	RSR ²	95% CI ²
NAACCR U.S. Combined	10,057,199	65.4	65.3 - 65.4	5,106,070	64.4	64.4 - 64.5	4,951,129	66.4	66.3 - 66.4
Alabama	177,160	62.8	62.4 - 63.1	93,911	62.1	61.6 - 62.5	83,249	63.5	63.1 - 64.0
Alaska	19,293	-		9,949	63.2	61.6 - 64.8	9,344	-	
Arizona	205,841	63.2	62.9 - 63.5	104,288	61.3	60.9 - 61.7	101,553	65.4	64.9 - 65.8
Arkansas	110,617	64.0	63.5 - 64.4	59,286	63.6	63.0 - 64.2	51,331	64.5	63.8 - 65.1
California	1,125,540	64.8	64.7 - 64.9	559,059	63.8	63.6 - 64.0	566,481	65.9	65.7 - 66.1
CA - Greater California	635,889	64.0	63.8 - 64.2	319,289	62.8	62.6 - 63.1	316,600	65.3	65.1 - 65.6
CA - Greater Bay Area	220,803	67.4	67.1 - 67.7	109,930	66.4	66.0 - 66.8	110,873	68.4	68.0 - 68.8
CA - Los Angeles	267,856	64.1	63.9 - 64.4	129,359	63.5	63.1 - 63.9	138,497	64.8	64.4 - 65.2
Colorado	153,384	66.6	66.2 - 67.0	76,620	65.3	64.7 - 65.8	76,764	68.1	67.6 - 68.6
Connecticut	141,819	66.9	66.6 - 67.3	70,111	66.0	65.4 - 66.5	71,708	68.0	67.5 - 68.5
Delaware	38,939	64.3	63.6 - 65.0	20,185	63.3	62.3 - 64.3	18,754	-	
Florida	834,534	65.6	65.5 - 65.8	435,026	64.3	64.1 - 64.5	399,508	67.1	66.9 - 67.3
Georgia	330,593	63.6	63.3 - 63.8	170,765	62.8	62.4 - 63.2	159,828	64.4	64.0 - 64.8
Hawaii	47,988	63.8	63.1 - 64.4	24,041	62.4	61.5 - 63.2	23,947	65.3	64.4 - 66.2
Idaho	53,873	-		28,044	-		25,829	-	
Illinois	457,775	65.7	65.5 - 65.9	227,626	65.0	64.7 - 65.3	230,149	66.4	66.1 - 66.7
Iowa	121,112	64.9	64.5 - 65.3	62,433	63.5	62.9 - 64.1	58,679	66.4	65.8 - 66.9
Kansas	103,143	67.4	67.0 - 67.8	53,233	66.5	66.0 - 67.1	49,910	68.3	67.7 - 69.0
Kentucky	182,014	63.4	63.1 - 63.8	93,322	62.2	61.7 - 62.7	88,692	64.8	64.2 - 65.3
Louisiana	169,717	63.1	62.7 - 63.5	90,969	63.2	62.7 - 63.7	78,748	63.0	62.5 - 63.6
Maine	58,620	66.2	65.6 - 66.8	29,371	64.6	63.7 - 65.4	29,249	68.0	67.2 - 68.8
Maryland	204,064	66.1	65.8 - 66.4	100,609	65.8	65.3 - 66.2	103,455	66.4	66.0 - 66.9
MI - Detroit	153,968	64.4	64.0 - 64.7	77,667	64.1	63.6 - 64.6	76,301	64.7	64.2 - 65.2
Minnesota	196,224	68.1	67.7 - 68.4	100,319	66.6	66.1 - 67.0	95,905	69.7	69.3 - 70.1
Mississippi	109,560	61.9	61.5 - 62.4	58,660	61.8	61.2 - 62.5	50,900	62.1	61.4 - 62.7
Missouri	222,494	64.4	64.1 - 64.7	111,809	63.2	62.8 - 63.6	110,685	65.6	65.2 - 66.1
Montana	39,946	64.0	63.3 - 64.8	21,015	62.5	61.5 - 63.5	18,931	-	
Nebraska	66,136	65.5	65.0 - 66.1	34,189	64.8	64.0 - 65.5	31,947	66.4	65.6 - 67.2
New Hampshire	55,460	67.0	66.4 - 67.7	28,125	65.8	64.9 - 66.7	27,335	68.4	67.6 - 69.3
New Jersey	345,992	66.3	66.1 - 66.6	171,967	65.7	65.4 - 66.1	174,025	67.0	66.7 - 67.3
New Mexico	61,552	62.1	61.6 - 62.7	30,590	60.7	59.9 - 61.6	30,962	63.7	62.9 - 64.5
New York	757,847	66.1	65.9 - 66.2	377,403	65.1	64.9 - 65.4	380,444	67.1	66.9 - 67.3
North Carolina	367,072	65.4	65.2 - 65.6	187,217	64.5	64.2 - 64.9	179,855	66.3	66.0 - 66.7
North Dakota	25,591	66.6	65.8 - 67.4	13,492	65.6	64.6 - 66.7	12,099	67.7	66.4 - 68.9
Ohio	433,139	65.1	64.9 - 65.3	217,330	64.3	64.0 - 64.6	215,809	66.0	65.7 - 66.3
Oklahoma	131,182	63.1	62.7 - 63.5	67,113	62.5	62.0 - 63.1	64,069	63.7	63.1 - 64.2
Oregon	142,743	67.3	66.9 - 67.6	71,833	66.2	65.7 - 66.7	70,910	68.4	67.9 - 69.0
Pennsylvania	532,476	66.1	65.9 - 66.2	266,518	65.3	65.0 - 65.6	265,958	66.9	66.6 - 67.1
Rhode Island	41,212	67.2	66.5 - 67.8	20,027	65.6	64.6 - 66.5	21,185	68.9	68.0 - 69.8
South Carolina	179,879	63.6	63.3 - 64.0	93,717	62.7	62.2 - 63.2	86,162	64.7	64.2 - 65.2
South Dakota	31,214	65.9	65.1 - 66.6	16,246	64.4	63.4 - 65.4	14,968	67.4	66.4 - 68.5
Tennessee	242,540	64.5	64.2 - 64.8	125,674	63.8	63.4 - 64.2	116,866	65.3	64.8 - 65.7
Texas	729,450	64.5	64.4 - 64.7	371,893	63.4	63.2 - 63.7	357,557	65.8	65.5 - 66.0
Utah	69,211	65.2	64.7 - 65.7	36,065	64.5	63.8 - 65.2	33,146	65.9	65.1 - 66.8
Vermont	25,177	-		12,590	64.3	63.1 - 65.6	12,587	-	
Washington	242,480	67.1	66.9 - 67.4	121,796	65.8	65.4 - 66.2	120,684	68.6	68.2 - 69.0
WA - Seattle	173,849	67.2	66.8 - 67.5	87,595	65.8	65.3 - 66.3	86,254	68.7	68.2 - 69.2
West Virginia	80,728	63.8	63.3 - 64.3	41,448	62.7	62.0 - 63.4	39,280	65.0	64.4 - 65.7
Wisconsin	219,608	66.7	66.4 - 67.0	112,776	65.4	64.9 - 65.8	106,832	68.1	67.7 - 68.5
Wyoming	18,292	-		9,743	-		8,549	-	
NAACCR CDN Combined	969,266	64.9	64.8 - 65.0	493,560	63.8	63.6 - 64.0	475,706	66.0	65.9 - 66.2
Alberta	123,066	64.9	64.6 - 65.3	63,861	63.7	63.1 - 64.2	59,205	66.3	65.8 - 66.9
British Columbia	172,026	64.2	63.9 - 64.5	89,174	63.1	62.7 - 63.6	82,852	65.3	64.9 - 65.8
Manitoba	45,282	63.4	62.8 - 64.0	22,719	61.9	61.0 - 62.8	22,563	65.0	64.2 - 65.9
New Brunswick	33,493	-		17,655	-		15,838	64.6	63.6 - 65.6
Newfoundland and Labrador	24,361	63.3	62.4 - 64.1	12,687	62.6	61.4 - 63.8	11,674	-	
Ontario	526,567	65.4	65.2 - 65.5	264,473	64.4	64.1 - 64.6	262,094	66.4	66.2 - 66.7
Prince Edward Island	6,293	-		3,314	-		2,979	-	
Saskatchewan	38,178	62.3	61.7 - 63.0	19,677	60.3	59.4 - 61.2	18,501	-	
NAACCR N.A. Combined	11,026,465	65.3	65.3 - 65.4	5,599,630	64.4	64.3 - 64.5	5,426,835	66.4	66.3 - 66.4

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ If more than 30% of the site-specific age-standardized RSR estimates were not available for a jurisdiction, the "All Sites (CSI)" estimate was suppressed. See Technical Notes for the difference between age-standardized RSR and Standardized using a composite survival index (CSI).

² Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-2 Survival – All Sites (CSI - invasive)

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Oral Cavity & Pharynx**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	267,244	61.7	61.3 - 62.0	191,020	60.6	60.2 - 61.1	76,224	63.9	63.4 - 64.5
Alabama	5,205	61.1	58.8 - 63.4	3,712	58.2	55.2 - 61.0	1,493	66.2	62.5 - 69.7
Alaska	592	67.3	60.2 - 73.5	436	71.1	61.9 - 78.5	156	54.8	42.6 - 65.4
Arizona	5,008	61.6	59.4 - 63.8	3,655	60.9	58.2 - 63.5	1,353	63.0	59.0 - 66.7
Arkansas	3,223	60.1	56.8 - 63.2	2,342	58.8	55.4 - 62.1	881	62.0	55.6 - 67.8
California	29,115	62.9	61.9 - 63.8	20,773	61.8	60.6 - 63.0	8,342	65.4	63.8 - 66.9
CA - Greater California	17,064	62.4	61.2 - 63.6	12,366	61.7	60.2 - 63.3	4,698	64.5	62.3 - 66.5
CA - Greater Bay Area	5,704	67.5	65.4 - 69.5	3,958	65.1	62.3 - 67.7	1,746	71.9	68.5 - 75.1
CA - Los Angeles	6,337	59.4	57.4 - 61.3	4,447	58.5	56.0 - 60.9	1,890	60.5	56.9 - 63.9
Colorado	4,226	66.3	63.4 - 69.0	3,048	64.9	61.2 - 68.2	1,178	68.9	64.4 - 73.0
Connecticut	3,575	63.0	60.3 - 65.7	2,422	60.7	57.0 - 64.2	1,153	66.9	62.6 - 70.9
Delaware	983	62.4	56.9 - 67.5	719	59.8	52.5 - 66.4	264	66.9	58.2 - 74.2
Florida	23,893	58.6	57.6 - 59.6	17,604	57.3	56.0 - 58.5	6,289	61.4	59.6 - 63.2
Georgia	9,220	58.0	56.2 - 59.9	6,540	58.1	55.6 - 60.6	2,680	58.9	56.0 - 61.7
Hawaii	1,463	61.4	57.4 - 65.1	1,003	59.0	53.9 - 63.7	460	65.2	59.3 - 70.5
Idaho	1,532	66.2	61.9 - 70.2	1,080	66.0	60.1 - 71.2	452	66.5	59.6 - 72.5
Illinois	12,214	61.8	60.3 - 63.3	8,673	61.2	59.3 - 63.1	3,541	63.5	61.0 - 65.9
Iowa	3,337	68.3	65.3 - 71.0	2,370	67.5	63.8 - 70.9	967	69.3	64.0 - 73.9
Kansas	2,700	65.5	62.2 - 68.5	1,966	63.7	59.7 - 67.5	734	67.5	62.2 - 72.3
Kentucky	5,059	58.5	55.8 - 61.1	3,655	58.3	54.9 - 61.5	1,404	59.2	54.7 - 63.4
Louisiana	4,671	57.4	54.8 - 59.8	3,411	56.9	53.8 - 59.9	1,260	59.1	54.3 - 63.6
Maine	1,656	66.0	62.1 - 69.7	1,199	65.5	60.6 - 69.9	457	65.4	58.0 - 71.8
Maryland	5,134	62.7	60.5 - 64.8	3,607	62.0	59.2 - 64.8	1,527	63.4	59.6 - 66.9
MI - Detroit	3,949	55.3	52.5 - 57.9	2,825	52.9	49.6 - 56.1	1,124	60.4	55.5 - 64.9
Minnesota	5,240	70.0	67.7 - 72.2	3,607	69.9	66.8 - 72.7	1,633	70.4	66.6 - 73.8
Mississippi	3,103	52.9	49.4 - 56.2	2,257	49.4	45.2 - 53.5	846	58.3	52.9 - 63.3
Missouri	6,198	62.0	59.8 - 64.2	4,523	61.8	59.0 - 64.5	1,675	62.2	58.6 - 65.6
Montana	1,033	63.6	58.5 - 68.2	737	63.8	58.1 - 68.8	296	61.3	52.4 - 69.0
Nebraska	1,732	66.8	62.8 - 70.5	1,249	65.2	60.0 - 69.9	483	68.9	62.1 - 74.8
New Hampshire	1,405	62.8	58.1 - 67.1	1,018	61.7	55.7 - 67.1	387	63.9	56.1 - 70.7
New Jersey	7,886	59.7	57.9 - 61.4	5,468	57.3	55.0 - 59.6	2,418	63.8	60.9 - 66.6
New Mexico	1,528	59.6	55.7 - 63.3	1,132	58.4	53.9 - 62.5	396	61.1	54.1 - 67.4
New York	17,320	61.1	59.9 - 62.4	11,911	59.9	58.3 - 61.4	5,409	63.6	61.5 - 65.6
North Carolina	9,983	60.9	59.1 - 62.6	7,164	59.9	57.7 - 62.0	2,819	62.6	59.6 - 65.4
North Dakota	705	65.0	58.8 - 70.5	504	62.6	55.1 - 69.2	201	69.9	59.1 - 78.3
Ohio	11,426	62.3	60.6 - 64.0	8,141	60.2	57.9 - 62.3	3,285	66.4	63.9 - 68.9
Oklahoma	3,786	63.3	60.6 - 65.9	2,731	64.0	60.3 - 67.3	1,055	61.1	56.3 - 65.5
Oregon	4,084	68.1	65.2 - 70.7	2,942	67.3	63.6 - 70.7	1,142	69.3	64.5 - 73.6
Pennsylvania	13,299	61.7	60.3 - 63.2	9,274	60.9	59.0 - 62.8	4,025	63.9	61.5 - 66.1
Rhode Island	1,002	62.4	57.0 - 67.3	668	61.8	54.7 - 68.1	334	61.5	53.3 - 68.6
South Carolina	5,129	56.6	54.1 - 59.1	3,778	55.4	52.3 - 58.4	1,351	59.3	55.0 - 63.4
South Dakota	858	66.2	60.1 - 71.5	622	64.3	56.4 - 71.1	236	65.7	55.7 - 73.9
Tennessee	6,807	59.4	57.1 - 61.5	4,996	59.5	56.5 - 62.4	1,811	59.8	56.0 - 63.3
Texas	20,407	60.9	59.6 - 62.1	14,860	60.0	58.4 - 61.5	5,547	62.8	60.7 - 64.9
Utah	1,637	65.8	61.7 - 69.6	1,132	66.8	61.7 - 71.4	505	63.4	56.5 - 69.5
Vermont	665	63.3	56.7 - 69.1	495	62.1	54.2 - 69.0	170	65.1	52.8 - 75.0*
Washington	6,693	65.9	63.7 - 67.9	4,691	64.1	61.4 - 66.7	2,002	68.6	65.1 - 71.9
WA - Seattle	4,836	66.2	63.6 - 68.7	3,384	64.3	61.0 - 67.5	1,452	68.5	64.2 - 72.4
West Virginia	2,220	59.9	56.5 - 63.1	1,614	59.7	55.5 - 63.6	606	59.7	53.5 - 65.3
Wisconsin	5,855	63.5	61.3 - 65.6	4,114	62.4	59.6 - 65.0	1,741	65.7	62.2 - 69.0
Wyoming	488	64.5	56.6 - 71.3	352	64.1	55.3 - 71.6	136	66.6	52.9 - 77.2*
NAACCR CDN Combined	23,729	60.9	59.9 - 61.9	16,494	59.8	58.5 - 61.0	7,235	63.1	61.4 - 64.7
Alberta	2,788	57.5	54.4 - 60.5	1,958	55.9	51.8 - 59.8	830	60.9	56.0 - 65.5
British Columbia	4,304	61.1	58.7 - 63.4	2,973	59.9	56.8 - 62.8	1,331	62.1	58.3 - 65.7
Manitoba	1,250	68.1	63.4 - 72.4	864	68.0	62.0 - 73.2	386	68.3	60.4 - 75.0
New Brunswick	761	63.6	57.1 - 69.4	539	65.0	56.1 - 72.5	222	62.7	53.0 - 70.9
Newfoundland and Labrador	566	63.4	55.4 - 70.4	425	62.3	54.2 - 69.5	141	65.0	51.6 - 75.6
Ontario	13,069	60.2	58.9 - 61.4	9,037	58.8	57.2 - 60.4	4,032	62.5	60.3 - 64.6
Prince Edward Island	184	70.9	59.5 - 79.7	133	68.7	55.8 - 78.5	51	-	-
Saskatchewan	807	59.3	54.1 - 64.2	565	58.0	51.2 - 64.3	242	60.8	51.8 - 68.6
NAACCR N.A. Combined	290,973	61.6	61.3 - 61.9	207,514	60.6	60.2 - 60.9	83,459	63.8	63.3 - 64.4

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Esophagus**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	103,994	20.4	20.0 - 20.7	82,135	19.6	19.2 - 20.0	21,859	23.5	22.7 - 24.3
Alabama	1,881	14.4	12.0 - 17.0	1,510	13.5	10.9 - 16.3	371	16.4	11.7 - 21.8 *
Alaska	266	20.6	14.4 - 27.5	201	20.5	13.7 - 28.3	65	23.4	12.0 - 37.0 *
Arizona	2,357	19.0	16.5 - 21.6	1,884	18.3	15.6 - 21.1	473	22.7	17.3 - 28.5 *
Arkansas	1,073	16.5	13.5 - 19.8 *	888	14.6	11.5 - 18.0 *	185	26.7	19.0 - 35.0 *
California	10,086	19.0	17.8 - 20.1	7,771	17.9	16.6 - 19.2	2,315	23.0	20.4 - 25.6
CA - Greater California	6,063	18.1	16.6 - 19.7	4,751	17.1	15.4 - 18.9	1,312	23.4	20.0 - 27.1
CA - Greater Bay Area	2,006	22.2	19.5 - 25.0	1,488	20.7	17.5 - 24.1	518	25.9	20.6 - 31.6
CA - Los Angeles	2,009	17.8	15.6 - 20.1	1,526	17.5	15.0 - 20.1	483	17.9	13.9 - 22.2
Colorado	1,621	19.5	16.6 - 22.5	1,339	18.0	15.0 - 21.2	282	26.7	20.6 - 33.3
Connecticut	1,493	26.3	23.0 - 29.7	1,165	25.8	22.0 - 29.7	328	28.1	21.1 - 35.6
Delaware	409	20.7	14.8 - 27.3	331	20.7	14.0 - 28.3	78	19.0	8.3 - 33.1 *
Florida	8,639	22.4	21.1 - 23.8	6,818	21.6	20.1 - 23.1	1,821	25.5	22.5 - 28.7
Georgia	3,273	17.7	15.7 - 19.8	2,585	18.2	15.8 - 20.6	688	15.7	12.3 - 19.5
Hawaii	438	15.8	11.3 - 21.0	355	14.2	9.2 - 20.3 *	83	18.1	9.4 - 29.1 *
Idaho	599	20.6	16.2 - 25.3 *	499	21.3	16.5 - 26.6 *	100	17.6	8.9 - 28.6 *
Illinois	4,960	21.5	19.9 - 23.2	3,900	20.7	18.9 - 22.6	1,060	24.7	21.1 - 28.6
Iowa	1,520	20.7	17.7 - 23.8 *	1,252	21.6	18.4 - 25.1 *	268	16.1	10.0 - 23.5 *
Kansas	1,053	20.8	17.3 - 24.6 *	852	21.3	17.5 - 25.4 *	201	18.8	11.2 - 27.9
Kentucky	1,866	17.7	15.1 - 20.4	1,509	16.2	13.4 - 19.2	357	21.7	16.3 - 27.6
Louisiana	1,682	17.3	14.7 - 20.1	1,340	14.3	11.6 - 17.3	342	29.0	23.0 - 35.1
Maine	862	23.4	19.3 - 27.7 *	689	23.0	18.6 - 27.8 *	173	24.7	15.5 - 35.0 *
Maryland	1,959	19.9	17.3 - 22.6	1,501	20.4	17.5 - 23.5	458	17.3	12.6 - 22.7 *
MI - Detroit	1,636	19.3	16.5 - 22.4	1,255	17.7	14.6 - 21.2	381	23.1	17.4 - 29.3 *
Minnesota	2,130	22.5	19.9 - 25.2	1,662	21.1	18.2 - 24.3	468	27.2	22.2 - 32.4
Mississippi	1,126	16.8	13.8 - 20.0	896	16.7	13.3 - 20.3	230	19.3	12.8 - 26.8 *
Missouri	2,560	17.3	15.2 - 19.6	2,044	17.0	14.6 - 19.5	516	17.0	12.1 - 22.6
Montana	458	19.9	15.2 - 25.0 *	370	20.6	15.3 - 26.4 *	88	17.9	9.0 - 29.3 *
Nebraska	728	17.9	13.8 - 22.4	593	16.8	12.3 - 21.9	135	20.0	12.4 - 29.1
New Hampshire	795	25.8	21.7 - 30.1	645	27.1	22.1 - 32.3	150	20.3	12.2 - 29.8
New Jersey	3,195	23.1	20.9 - 25.4	2,446	22.2	19.6 - 24.9	749	24.8	20.3 - 29.5
New Mexico	646	16.4	12.4 - 20.9	540	16.3	11.8 - 21.4	106	19.2	9.6 - 31.2 *
New York	7,344	21.2	19.8 - 22.7	5,543	19.4	17.8 - 21.1	1,801	26.9	24.1 - 29.8
North Carolina	3,438	18.6	16.6 - 20.6	2,743	18.1	15.9 - 20.4	695	20.9	16.6 - 25.5
North Dakota	289	21.9	15.2 - 29.4	228	19.1	12.0 - 27.4	61	28.1	15.5 - 42.1 *
Ohio	5,120	19.6	18.0 - 21.3	4,085	19.8	18.0 - 21.8	1,035	20.7	17.1 - 24.5
Oklahoma	1,351	19.4	16.3 - 22.7	1,077	16.3	12.9 - 20.1	274	28.0	21.1 - 35.4
Oregon	1,652	24.9	21.9 - 27.9 *	1,318	24.1	20.8 - 27.5 *	334	27.7	21.1 - 34.7 *
Pennsylvania	5,991	19.6	18.1 - 21.2	4,722	18.8	17.1 - 20.6	1,269	22.0	18.5 - 25.6
Rhode Island	431	25.2	20.1 - 30.7	318	24.5	18.5 - 30.9	113	27.0	18.3 - 36.5
South Carolina	1,935	16.6	14.1 - 19.3	1,529	15.1	12.4 - 18.2	406	20.4	15.7 - 25.7 *
South Dakota	330	17.3	12.0 - 23.3	267	16.1	10.8 - 22.3	63	27.8	13.5 - 44.1 *
Tennessee	2,500	18.4	16.1 - 20.9	2,041	18.8	16.3 - 21.5	459	15.9	11.0 - 21.5 *
Texas	7,029	22.5	21.0 - 24.0	5,639	21.8	20.2 - 23.5	1,390	25.7	22.7 - 28.8
Utah	558	17.9	13.4 - 23.0	467	17.9	13.0 - 23.3	91	10.2	1.3 - 30.3 *
Vermont	339	26.2	20.3 - 32.5 *	263	28.1	21.1 - 35.6 *	76	19.0	9.6 - 30.7 *
Washington	2,663	22.4	19.9 - 24.9	2,097	20.4	17.6 - 23.2	566	28.8	23.9 - 33.9 *
WA - Seattle	1,755	22.9	19.8 - 26.1	1,360	19.5	16.2 - 23.1	395	32.2	26.2 - 38.3 *
West Virginia	970	17.6	14.0 - 21.5	798	16.9	12.9 - 21.4	172	19.9	12.5 - 28.6 *
Wisconsin	2,550	21.5	19.1 - 23.9	1,999	21.3	18.7 - 24.0	551	20.7	15.9 - 25.9
Wyoming	193	18.5	11.5 - 26.9 *	161	21.8	13.8 - 30.9 *	32	0.0	
NAACCR CDN Combined	10,223	17.8	16.7 - 18.9	7,773	17.4	16.2 - 18.7	2,450	19.6	17.3 - 22.0
Alberta	1,317	17.9	15.2 - 20.7	1,056	16.6	13.8 - 19.8	261	22.8	16.6 - 29.6
British Columbia	2,124	17.2	14.7 - 19.9	1,576	17.3	14.5 - 20.3	548	14.5	10.8 - 18.7 *
Manitoba	438	16.6	11.9 - 22.0 *	341	15.5	10.5 - 21.3 *	97	19.8	9.3 - 33.1 *
New Brunswick	302	15.9	10.9 - 21.7 *	243	15.4	10.0 - 21.9 *	59	16.8	7.0 - 30.1 *
Newfoundland and Labrador	241	15.7	10.1 - 22.5 *	192	18.1	11.4 - 25.9 *	49	7.7	1.5 - 21.0 *
Ontario	5,358	18.6	17.0 - 20.1	4,019	18.0	16.3 - 19.7	1,339	20.8	17.6 - 24.2
Prince Edward Island	78	28.9	19.0 - 39.6	61	18.9	8.8 - 31.9 *	17	-	
Saskatchewan	365	8.5	5.2 - 12.8	285	10.8	6.3 - 16.6 *	80	7.1	2.4 - 15.6 *
NAACCR N.A. Combined	114,217	20.1	19.8 - 20.5	89,908	19.4	19.0 - 19.8	24,309	23.1	22.3 - 23.9

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-4 Survival – Esophagus

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Stomach**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	148,735	33.7	33.4 - 34.1	92,056	30.1	29.7 - 30.5	56,679	39.9	39.4 - 40.5
Alabama	2,632	34.3	31.6 - 36.9	1,579	28.3	25.1 - 31.7	1,053	42.0	37.9 - 46.1
Alaska	349	26.2	19.3 - 33.6	225	22.3	15.3 - 30.1 *	124	33.9	22.9 - 45.3 *
Arizona	2,873	30.8	28.4 - 33.1	1,839	28.3	25.4 - 31.2	1,034	35.0	31.1 - 39.0
Arkansas	1,478	28.2	24.8 - 31.7	952	23.5	19.6 - 27.5	526	37.0	31.2 - 42.8
California	20,720	31.3	30.4 - 32.2	12,373	28.3	27.2 - 29.5	8,347	36.0	34.6 - 37.4
CA - Greater California	10,126	29.3	28.1 - 30.6	6,163	26.1	24.5 - 27.7	3,963	34.6	32.6 - 36.7
CA - Greater Bay Area	4,069	33.4	31.3 - 35.4	2,401	31.2	28.6 - 33.9	1,668	36.3	33.2 - 39.4
CA - Los Angeles	6,493	33.0	31.4 - 34.6	3,786	29.9	27.8 - 32.0	2,707	37.3	34.8 - 39.8
Colorado	2,078	33.6	30.8 - 36.4	1,371	28.2	24.8 - 31.7	707	42.1	37.4 - 46.6
Connecticut	2,456	35.8	33.1 - 38.5	1,556	31.8	28.4 - 35.3	900	41.8	37.4 - 46.2
Delaware	530	31.5	26.1 - 37.1	333	31.4	24.4 - 38.6 *	197	31.7	23.2 - 40.5 *
Florida	10,994	34.6	33.3 - 35.8	6,844	31.8	30.3 - 33.4	4,150	39.0	37.0 - 41.0
Georgia	4,562	31.7	29.7 - 33.7	2,779	27.2	24.8 - 29.8	1,783	39.4	36.1 - 42.6
Hawaii	1,056	37.0	32.9 - 41.1	625	34.7	29.2 - 40.2	431	39.3	33.1 - 45.5
Idaho	620	28.5	23.4 - 33.9	412	26.8	20.7 - 33.4 *	208	31.4	22.7 - 40.6
Illinois	7,095	34.1	32.5 - 35.7	4,371	30.3	28.3 - 32.3	2,724	41.2	38.8 - 43.7
Iowa	1,241	29.6	26.1 - 33.2	798	26.2	21.9 - 30.8	443	35.6	29.3 - 41.9 *
Kansas	1,171	32.1	28.3 - 36.1	762	28.6	24.3 - 33.1	409	38.0	31.2 - 44.8
Kentucky	2,333	31.2	28.5 - 34.0	1,438	24.9	21.6 - 28.3	895	41.4	36.9 - 45.8
Louisiana	2,545	30.0	27.4 - 32.6	1,632	27.8	24.6 - 31.1	913	33.8	29.2 - 38.4
Maine	686	37.3	32.1 - 42.4	423	30.9	24.6 - 37.5	263	46.7	38.3 - 54.7
Maryland	3,079	40.9	38.6 - 43.3	1,819	35.1	32.1 - 38.1	1,260	49.0	45.2 - 52.7
MI - Detroit	2,316	29.7	27.1 - 32.4	1,395	26.4	23.0 - 29.9	921	34.8	30.6 - 39.1
Minnesota	2,418	34.3	31.8 - 36.9	1,585	29.4	26.2 - 32.5	833	43.0	38.7 - 47.3
Mississippi	1,632	28.8	25.7 - 32.0	985	22.0	18.4 - 25.9	647	38.4	33.2 - 43.6
Missouri	2,674	30.7	28.3 - 33.2	1,744	27.0	24.0 - 30.0	930	37.7	33.4 - 41.9
Montana	453	26.4	20.5 - 32.7	287	18.8	12.4 - 26.3	166	35.1	25.7 - 44.7 *
Nebraska	746	32.4	27.9 - 36.9	508	31.4	26.1 - 36.7	238	33.3	24.8 - 41.9 *
New Hampshire	613	41.2	35.6 - 46.6 *	398	36.2	29.5 - 42.9 *	215	49.7	39.9 - 58.8 *
New Jersey	5,704	36.8	35.0 - 38.6	3,406	31.9	29.7 - 34.2	2,298	44.2	41.3 - 47.1
New Mexico	1,095	29.5	25.8 - 33.3	653	26.9	22.2 - 31.8	442	33.4	27.8 - 39.1
New York	13,841	38.3	37.1 - 39.5	8,320	35.1	33.6 - 36.6	5,521	43.3	41.4 - 45.2
North Carolina	5,069	37.2	35.3 - 39.1	3,052	32.4	29.9 - 34.9	2,017	44.5	41.5 - 47.4
North Dakota	324	28.6	21.9 - 35.7	212	26.1	18.0 - 34.8 *	112	35.2	23.5 - 47.2
Ohio	6,001	34.4	32.7 - 36.2	3,841	30.6	28.4 - 32.7	2,160	41.1	38.2 - 44.0
Oklahoma	1,603	29.7	26.3 - 33.1	1,031	23.6	19.8 - 27.5	572	41.0	35.0 - 46.9
Oregon	1,787	34.1	31.0 - 37.2	1,166	30.0	26.2 - 33.9	621	40.0	34.7 - 45.2
Pennsylvania	7,054	34.0	32.4 - 35.6	4,557	30.3	28.3 - 32.3	2,497	41.3	38.6 - 43.9
Rhode Island	691	37.4	32.4 - 42.4	435	34.6	28.5 - 40.8	256	40.0	31.3 - 48.6
South Carolina	2,631	32.7	30.3 - 35.2	1,676	27.7	24.8 - 30.7	955	41.4	36.9 - 45.8
South Dakota	346	28.9	22.8 - 35.3	235	27.6	20.1 - 35.5	111	30.0	20.3 - 40.2 *
Tennessee	3,072	32.8	30.5 - 35.2	1,909	29.9	26.9 - 33.0	1,163	37.6	33.9 - 41.4
Texas	11,783	33.1	31.9 - 34.3	7,102	29.1	27.6 - 30.7	4,681	39.2	37.4 - 41.1
Utah	761	31.7	27.3 - 36.3	455	27.9	22.4 - 33.7	306	37.6	30.3 - 44.8
Vermont	297	29.5	22.1 - 37.3	195	24.4	16.3 - 33.4	102	37.1	23.0 - 51.3 *
Washington	3,113	33.4	31.1 - 35.7	2,016	31.3	28.6 - 34.1	1,097	37.9	34.0 - 41.8
WA - Seattle	2,277	32.0	29.3 - 34.7	1,456	29.2	26.1 - 32.5	821	37.6	33.1 - 42.1
West Virginia	1,055	30.2	26.4 - 34.0	654	25.6	21.2 - 30.2	401	37.1	30.8 - 43.4
Wisconsin	2,955	34.8	32.4 - 37.2	1,963	32.6	29.6 - 35.6	992	38.5	34.3 - 42.6
Wyoming	203	29.6	21.9 - 37.6	145	26.7	17.4 - 36.8 *	58	32.5	19.4 - 46.3 *
NAACCR CDN Combined	17,382	30.8	29.9 - 31.7	11,271	29.2	28.0 - 30.4	6,111	34.0	32.4 - 35.5
Alberta	1,841	24.7	22.1 - 27.3	1,212	24.6	21.4 - 27.9	629	24.9	20.5 - 29.5
British Columbia	2,718	27.1	24.8 - 29.4	1,808	24.8	22.0 - 27.7	910	31.2	27.3 - 35.1
Manitoba	818	24.6	20.4 - 29.0	548	22.5	17.6 - 27.9	270	29.7	22.4 - 37.2
New Brunswick	618	27.3	22.4 - 32.5	421	24.5	19.0 - 30.5	197	30.2	22.3 - 38.4
Newfoundland and Labrador	565	28.4	23.6 - 33.4	368	28.6	22.9 - 34.5	197	30.5	22.0 - 39.5
Ontario	10,060	34.0	32.7 - 35.3	6,402	32.1	30.5 - 33.8	3,658	37.4	35.3 - 39.5
Prince Edward Island	96	24.3	14.6 - 35.3 *	66	25.1	13.8 - 38.0 *	30	22.3	7.6 - 41.7 *
Saskatchewan	666	23.5	19.2 - 28.1	446	22.8	17.5 - 28.5	220	25.1	17.6 - 33.3
NAACCR N.A. Combined	166,117	33.4	33.1 - 33.7	103,327	30.0	29.6 - 30.4	62,790	39.4	38.8 - 39.9

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Colon & Rectum**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	854,762	63.4	63.2 - 63.6	448,225	62.2	61.9 - 62.4	406,537	64.8	64.6 - 65.1
Alabama	16,833	62.1	60.8 - 63.3	8,891	59.7	57.8 - 61.4	7,942	64.8	63.1 - 66.4
Alaska	1,891	64.3	60.5 - 67.8	1,020	65.3	59.6 - 70.5	871	61.5	56.5 - 66.0
Arizona	17,331	61.0	59.9 - 62.1	9,369	59.0	57.4 - 60.5	7,962	63.5	61.9 - 65.0
Arkansas	10,147	62.3	60.7 - 63.9	5,393	62.0	59.7 - 64.2	4,754	62.9	60.6 - 65.1
California	97,407	63.8	63.3 - 64.2	50,906	62.6	61.9 - 63.2	46,501	65.2	64.5 - 65.8
CA - Greater California	53,705	63.1	62.5 - 63.8	28,207	61.8	60.9 - 62.8	25,498	64.5	63.6 - 65.4
CA - Greater Bay Area	18,532	67.0	65.9 - 68.0	9,640	65.6	64.0 - 67.1	8,892	68.3	66.8 - 69.8
CA - Los Angeles	25,045	62.4	61.5 - 63.4	13,012	61.5	60.1 - 62.8	12,033	63.7	62.3 - 65.0
Colorado	12,374	64.5	63.1 - 65.8	6,474	63.3	61.3 - 65.3	5,900	65.4	63.6 - 67.2
Connecticut	10,900	66.1	64.7 - 67.4	5,564	66.6	64.5 - 68.5	5,336	65.6	63.6 - 67.5
Delaware	2,904	63.6	60.7 - 66.3	1,544	62.0	57.7 - 65.9	1,360	65.3	61.3 - 69.0
Florida	65,703	62.2	61.7 - 62.8	34,749	60.2	59.4 - 61.0	30,954	64.6	63.8 - 65.4
Georgia	28,911	61.3	60.3 - 62.2	15,326	60.0	58.6 - 61.4	13,585	62.8	61.4 - 64.0
Hawaii	4,786	65.2	63.1 - 67.2	2,635	62.4	59.4 - 65.2	2,151	68.1	65.1 - 71.0
Idaho	4,269	62.3	60.0 - 64.5	2,272	59.7	56.5 - 62.8	1,997	64.6	61.4 - 67.7
Illinois	41,750	64.9	64.2 - 65.6	21,812	64.2	63.1 - 65.2	19,938	65.7	64.7 - 66.7
Iowa	11,031	66.3	64.9 - 67.7	5,707	65.6	63.5 - 67.6	5,324	67.0	64.9 - 68.9
Kansas	8,819	65.9	64.3 - 67.5	4,642	64.7	62.3 - 66.9	4,177	67.1	64.8 - 69.4
Kentucky	16,767	63.9	62.7 - 65.2	8,988	62.8	60.9 - 64.5	7,779	65.1	63.3 - 66.7
Louisiana	15,930	62.5	61.3 - 63.8	8,552	61.4	59.6 - 63.2	7,378	63.5	61.7 - 65.2
Maine	4,479	66.6	64.4 - 68.8	2,284	65.5	62.2 - 68.6	2,195	67.4	64.3 - 70.4
Maryland	16,227	64.2	63.0 - 65.4	8,122	63.4	61.7 - 65.0	8,105	64.9	63.3 - 66.4
MI - Detroit	12,734	61.0	59.6 - 62.3	6,400	60.8	58.7 - 62.8	6,334	61.2	59.3 - 63.1
Minnesota	15,705	67.6	66.5 - 68.8	8,211	67.0	65.3 - 68.6	7,494	68.5	66.8 - 70.1
Mississippi	11,099	60.3	58.7 - 61.8	5,904	59.2	56.8 - 61.4	5,195	61.4	59.3 - 63.5
Missouri	19,835	63.8	62.7 - 64.9	10,402	62.6	61.0 - 64.2	9,433	65.1	63.6 - 66.6
Montana	3,275	61.8	59.1 - 64.5	1,805	59.8	55.8 - 63.5	1,470	63.9	60.1 - 67.5
Nebraska	6,152	68.4	66.5 - 70.3	3,196	66.7	63.8 - 69.4	2,956	70.4	67.6 - 72.9
New Hampshire	4,145	65.5	63.1 - 67.8	2,185	64.6	61.1 - 68.0	1,960	66.0	62.7 - 69.1
New Jersey	29,155	63.3	62.4 - 64.2	14,752	61.6	60.3 - 62.8	14,403	65.2	64.0 - 66.4
New Mexico	5,435	57.9	55.8 - 59.9	2,885	57.2	54.3 - 60.0	2,550	58.8	55.8 - 61.7
New York	60,146	62.7	62.1 - 63.3	30,582	62.0	61.1 - 62.8	29,564	63.5	62.7 - 64.4
North Carolina	28,690	62.6	61.7 - 63.5	14,932	61.4	60.1 - 62.7	13,758	63.9	62.7 - 65.2
North Dakota	2,433	68.6	65.8 - 71.2	1,305	65.8	61.8 - 69.6	1,128	70.2	66.2 - 73.8
Ohio	38,336	63.9	63.1 - 64.7	19,835	62.8	61.6 - 63.9	18,501	65.0	63.9 - 66.1
Oklahoma	12,099	61.4	59.9 - 62.8	6,403	59.8	57.6 - 61.9	5,696	63.0	60.9 - 64.9
Oregon	11,183	66.9	65.5 - 68.3	5,929	65.5	63.5 - 67.5	5,254	68.3	66.2 - 70.2
Pennsylvania	45,642	64.0	63.3 - 64.7	23,485	63.0	62.0 - 64.0	22,157	65.2	64.2 - 66.2
Rhode Island	3,020	64.2	61.4 - 66.8	1,504	63.4	59.2 - 67.2	1,516	65.1	61.4 - 68.6
South Carolina	14,680	62.1	60.8 - 63.4	7,705	60.2	58.3 - 62.1	6,975	64.3	62.5 - 66.0
South Dakota	2,842	64.5	61.7 - 67.2	1,503	60.6	56.3 - 64.5	1,339	68.2	64.3 - 71.8
Tennessee	20,616	62.5	61.4 - 63.7	10,709	61.6	59.9 - 63.2	9,907	63.8	62.3 - 65.3
Texas	66,928	62.5	61.9 - 63.1	36,938	60.9	60.0 - 61.7	29,990	64.5	63.6 - 65.4
Utah	5,027	64.2	62.1 - 66.2	2,673	63.1	60.1 - 65.8	2,354	65.3	62.3 - 68.2
Vermont	1,948	59.8	56.4 - 63.0	982	59.4	54.4 - 64.1	966	60.3	55.3 - 64.9
Washington	18,774	66.4	65.3 - 67.4	9,815	64.9	63.4 - 66.4	8,959	68.3	66.9 - 69.7
WA - Seattle	13,252	65.9	64.6 - 67.1	6,965	63.9	62.0 - 65.7	6,287	68.4	66.6 - 70.1
West Virginia	7,672	61.3	59.5 - 63.1	4,065	60.2	57.5 - 62.8	3,607	62.4	59.8 - 64.8
Wisconsin	17,262	65.7	64.5 - 66.8	9,049	64.3	62.6 - 65.9	8,213	66.9	65.2 - 68.5
Wyoming	1,470	58.4	54.4 - 62.2	821	56.6	50.8 - 61.9	649	60.4	54.7 - 65.7
NAACCR CDN Combined	109,877	67.6	67.1 - 68.0	60,660	67.1	66.5 - 67.7	49,217	68.1	67.5 - 68.7
Alberta	13,689	67.7	66.5 - 68.9	7,742	66.8	65.1 - 68.5	5,947	68.5	66.9 - 70.1
British Columbia	21,147	68.2	67.2 - 69.1	11,747	67.4	66.0 - 68.7	9,400	69.1	67.7 - 70.4
Manitoba	5,659	66.2	64.3 - 68.1	3,162	65.7	63.0 - 68.2	2,497	66.5	63.7 - 69.1
New Brunswick	3,953	65.9	63.5 - 68.1	2,234	66.3	63.0 - 69.4	1,719	65.3	61.8 - 68.6
Newfoundland and Labrador	3,999	67.6	65.2 - 69.9	2,230	69.2	65.8 - 72.3	1,769	65.7	62.2 - 69.0
Ontario	55,420	67.7	67.1 - 68.3	30,158	67.2	66.4 - 68.0	25,262	68.2	67.4 - 69.1
Prince Edward Island	821	66.0	60.6 - 70.9	448	65.3	57.9 - 71.8*	373	68.0	60.6 - 74.3
Saskatchewan	5,189	66.0	64.0 - 68.0	2,939	64.6	61.8 - 67.2	2,250	67.3	64.3 - 70.1
NAACCR N.A. Combined	964,639	63.9	63.7 - 64.0	508,885	62.8	62.6 - 63.0	455,754	65.2	65.0 - 65.4

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-6 Survival – Colon & Rectum

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Liver & Intrahepatic Bile Duct**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	192,884	18.5	18.2 - 18.8	138,815	17.7	17.3 - 18.0	54,069	20.7	20.2 - 21.2
Alabama	2,967	13.1	11.1 - 15.1	2,144	12.9	10.5 - 15.4	823	14.5	11.1 - 18.4
Alaska	444	19.8	15.0 - 25.2 *	338	17.9	12.7 - 23.8 *	106	25.9	14.9 - 38.4 *
Arizona	4,250	17.1	15.3 - 19.0	3,029	17.1	14.9 - 19.5	1,221	18.0	14.8 - 21.5
Arkansas	1,778	17.9	14.7 - 21.4	1,315	15.4	11.8 - 19.4	463	23.5	18.3 - 29.2 *
California	28,058	20.2	19.5 - 21.0	19,941	19.8	18.9 - 20.7	8,117	21.5	20.2 - 22.9
CA - Greater California	15,134	18.2	17.2 - 19.2	10,861	17.3	16.1 - 18.5	4,273	20.4	18.5 - 22.2
CA - Greater Bay Area	6,027	25.1	23.4 - 26.9	4,318	24.6	22.5 - 26.8	1,709	26.0	23.0 - 29.1
CA - Los Angeles	6,875	20.2	18.8 - 21.7	4,743	20.4	18.7 - 22.2	2,132	20.6	18.0 - 23.3
Colorado	2,909	18.3	16.0 - 20.7	2,115	19.2	16.7 - 21.8 *	794	21.7	17.8 - 26.0
Connecticut	2,522	18.5	16.3 - 20.9	1,866	17.8	15.0 - 20.7	656	19.6	15.3 - 24.2
Delaware	726	22.4	18.0 - 27.1	535	17.4	13.1 - 22.2	191	29.9	22.2 - 37.9 *
Florida	14,317	18.9	17.8 - 19.9	10,390	17.7	16.4 - 18.9	3,927	21.9	20.1 - 23.9
Georgia	5,954	16.0	14.6 - 17.5	4,292	15.3	13.5 - 17.1	1,662	17.9	15.4 - 20.6
Hawaii	1,354	15.9	13.0 - 19.1	948	15.4	11.9 - 19.3	406	18.3	13.3 - 24.0
Idaho	892	13.7	10.1 - 17.8 *	638	13.6	9.4 - 18.6 *	254	14.6	9.1 - 21.4 *
Illinois	7,448	20.1	18.7 - 21.6	5,175	19.1	17.4 - 20.9	2,273	22.2	19.8 - 24.7
Iowa	1,724	15.3	12.5 - 18.3	1,207	13.0	10.3 - 16.0	517	18.1	13.3 - 23.5
Kansas	1,598	19.3	16.4 - 22.5	1,156	18.2	14.6 - 22.1	442	21.8	16.8 - 27.1
Kentucky	2,997	13.5	11.6 - 15.5	2,144	12.4	10.0 - 15.1	853	15.8	12.5 - 19.4
Louisiana	3,574	15.1	13.0 - 17.2	2,771	14.6	12.3 - 17.2	803	17.4	13.6 - 21.6
Maine	689	15.4	11.3 - 20.1	520	15.5	11.0 - 20.7	169	10.0	4.0 - 19.2 *
Maryland	3,874	21.9	20.1 - 23.9	2,779	20.1	17.7 - 22.6	1,095	25.9	22.5 - 29.4
MI - Detroit	2,744	21.3	18.7 - 23.9	1,973	21.5	18.6 - 24.6	771	20.5	16.0 - 25.5
Minnesota	2,906	19.7	17.4 - 22.0	2,046	18.1	15.5 - 20.9	860	23.1	19.2 - 27.4
Mississippi	2,038	16.2	13.5 - 19.0	1,507	13.8	10.9 - 17.0	531	20.0	15.0 - 25.6
Missouri	3,819	16.8	14.9 - 18.7	2,745	15.8	13.4 - 18.3	1,074	17.9	14.7 - 21.5
Montana	553	12.2	7.7 - 17.6	404	10.7	7.0 - 15.3	149	10.6	4.3 - 20.1 *
Nebraska	838	16.6	13.1 - 20.5	613	17.1	12.5 - 22.3	225	15.3	9.3 - 22.7 *
New Hampshire	712	19.9	15.2 - 25.0	558	18.9	14.0 - 24.3	154	22.1	13.0 - 32.7 *
New Jersey	5,585	20.9	19.3 - 22.5	4,031	20.5	18.6 - 22.4	1,554	21.5	18.5 - 24.6
New Mexico	1,713	16.9	14.3 - 19.7	1,265	17.7	14.5 - 21.2	448	15.8	11.1 - 21.4
New York	14,640	20.4	19.4 - 21.4	10,490	19.4	18.2 - 20.6	4,150	23.3	21.5 - 25.2
North Carolina	6,795	14.6	13.3 - 16.1	4,902	13.9	12.3 - 15.5	1,893	16.2	13.7 - 18.9
North Dakota	255	8.2	4.2 - 13.9 *	183	6.6	2.7 - 12.9 *	72	12.3	3.9 - 25.7 *
Ohio	6,410	17.7	16.3 - 19.2	4,505	16.7	14.9 - 18.5	1,905	19.2	16.7 - 21.9
Oklahoma	2,341	16.6	14.3 - 19.1	1,679	16.6	13.6 - 19.9	662	16.9	13.2 - 21.0
Oregon	3,139	21.3	18.9 - 23.8	2,288	20.4	17.4 - 23.5	851	22.8	18.7 - 27.1
Pennsylvania	9,284	18.8	17.5 - 20.1	6,786	18.5	16.9 - 20.1	2,498	19.8	17.5 - 22.2
Rhode Island	754	16.6	12.7 - 20.9	554	18.0	13.4 - 23.2 *	200	17.4	11.6 - 24.1
South Carolina	3,159	14.8	12.8 - 17.0	2,336	14.6	12.1 - 17.3	823	17.8	14.3 - 21.6
South Dakota	444	11.6	7.9 - 16.1	314	8.3	5.1 - 12.6	130	17.6	10.3 - 26.6
Tennessee	4,261	15.1	13.2 - 17.1	3,064	14.3	12.0 - 16.7	1,197	18.0	14.7 - 21.6
Texas	20,978	18.5	17.7 - 19.4	15,098	17.5	16.4 - 18.6	5,880	21.6	20.1 - 23.2
Utah	1,075	18.7	15.4 - 22.3	763	17.9	13.8 - 22.3	312	22.1	15.6 - 29.4 *
Vermont	312	22.2	14.9 - 30.4	242	23.0	16.2 - 30.5 *	70	23.3	12.0 - 36.8 *
Washington	5,147	22.3	20.5 - 24.1	3,676	21.1	19.0 - 23.4	1,471	24.8	21.7 - 28.0
WA - Seattle	3,854	21.9	19.8 - 24.0	2,771	20.7	18.3 - 23.2	1,083	24.5	20.7 - 28.4
West Virginia	1,244	11.0	8.4 - 14.0	908	11.5	8.2 - 15.3	336	11.2	6.6 - 17.0 *
Wisconsin	3,367	18.5	16.5 - 20.6	2,366	16.8	14.4 - 19.3	1,001	22.3	18.8 - 26.0
Wyoming	296	18.2	12.3 - 25.0	216	15.7	9.3 - 23.7	80	20.0	10.1 - 32.3 *
NAACCR CDN Combined	15,387	19.9	19.0 - 20.9	10,737	19.8	18.6 - 20.9	4,650	20.0	18.4 - 21.7
Alberta	1,971	21.2	18.5 - 24.1	1,375	22.1	18.8 - 25.6	596	19.7	15.4 - 24.3 *
British Columbia	3,402	17.0	15.0 - 19.1	2,443	15.5	13.2 - 18.0	959	21.2	17.5 - 25.1
Manitoba	623	14.1	10.0 - 18.8 *	421	11.2	7.1 - 16.2	202	11.9	6.5 - 19.0 *
New Brunswick	361	11.7	8.5 - 15.6	228	5.4	2.0 - 11.1 *	133	11.4	4.9 - 21.0 *
Newfoundland and Labrador	282	12.0	7.5 - 17.6	178	9.1	4.4 - 15.8	104	16.4	9.0 - 25.7
Ontario	8,262	21.9	20.7 - 23.2	5,770	22.4	20.8 - 24.0	2,492	20.5	18.3 - 22.8
Prince Edward Island	80	17.1	9.2 - 27.0	57	16.2	7.1 - 28.5	23	20.4	6.4 - 39.9 *
Saskatchewan	406	10.4	6.7 - 15.0 *	265	9.3	5.4 - 14.6	141	10.5	5.3 - 17.7 *
NAACCR N.A. Combined	208,271	18.6	18.3 - 18.9	149,552	17.8	17.5 - 18.1	58,719	20.7	20.2 - 21.2

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Pancreas

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	285,843	13.2	13.0 - 13.4	147,850	12.4	12.2 - 12.7	137,993	14.1	13.9 - 14.4
Alabama	5,038	11.2	10.0 - 12.6	2,647	10.0	8.2 - 11.9	2,391	12.2	10.4 - 14.2
Alaska	553	10.1	6.9 - 14.1	297	13.3	9.0 - 18.6	256	5.9	2.6 - 11.2 *
Arizona	6,307	12.8	11.6 - 14.1	3,381	12.8	11.1 - 14.6	2,926	12.8	11.0 - 14.9
Arkansas	2,810	10.2	8.6 - 11.9	1,516	9.7	7.6 - 11.9	1,294	11.2	8.8 - 14.0
California	32,439	12.8	12.3 - 13.4	16,726	11.9	11.1 - 12.6	15,713	13.9	13.1 - 14.8
CA - Greater California	18,007	12.1	11.3 - 12.9	9,431	11.1	10.1 - 12.1	8,576	13.2	12.1 - 14.4
CA - Greater Bay Area	6,453	15.1	13.8 - 16.5	3,307	14.0	12.3 - 15.8	3,146	16.9	15.0 - 18.9
CA - Los Angeles	7,947	12.4	11.3 - 13.6	3,971	11.6	10.1 - 13.1	3,976	13.2	11.6 - 14.9
Colorado	4,232	14.1	12.6 - 15.7	2,269	12.9	10.8 - 15.2	1,963	15.3	13.0 - 17.7
Connecticut	4,215	15.4	13.8 - 17.1	2,117	15.7	13.4 - 18.1	2,098	14.8	12.7 - 17.1
Delaware	1,141	13.3	10.3 - 16.7	608	11.7	7.8 - 16.4	533	15.8	11.6 - 20.6
Florida	23,510	15.1	14.4 - 15.8	12,399	14.4	13.5 - 15.4	11,111	16.0	15.0 - 17.0
Georgia	9,016	11.5	10.5 - 12.6	4,640	11.0	9.6 - 12.5	4,376	12.1	10.6 - 13.7
Hawaii	1,612	14.2	11.9 - 16.7	845	13.6	10.5 - 17.1	767	14.4	11.2 - 18.0
Idaho	1,630	9.6	7.4 - 12.2	882	9.5	6.7 - 12.9	748	7.9	5.1 - 11.4 *
Illinois	13,119	14.6	13.7 - 15.5	6,703	14.2	13.0 - 15.5	6,416	15.1	13.8 - 16.5
Iowa	3,452	12.2	10.5 - 14.1	1,786	10.7	8.4 - 13.3	1,666	14.0	11.6 - 16.6
Kansas	2,581	12.9	10.8 - 15.1	1,311	12.5	9.8 - 15.5	1,270	13.1	10.0 - 16.7
Kentucky	4,739	11.3	10.0 - 12.7	2,468	10.2	8.5 - 12.1	2,271	12.5	10.5 - 14.8
Louisiana	4,952	9.7	8.5 - 11.0	2,548	8.9	7.3 - 10.6	2,404	10.9	9.1 - 12.9
Maine	1,640	11.7	9.4 - 14.3	829	10.3	7.6 - 13.5 *	811	12.4	9.2 - 16.1
Maryland	5,883	15.4	14.1 - 16.7	2,996	14.6	12.8 - 16.5	2,887	16.3	14.4 - 18.2
MI - Detroit	4,754	11.1	9.7 - 12.5	2,369	11.0	9.2 - 13.0	2,385	11.4	9.4 - 13.6
Minnesota	5,453	13.3	11.9 - 14.6	2,915	12.6	11.0 - 14.5	2,538	14.4	12.4 - 16.6
Mississippi	3,357	9.2	7.8 - 10.8	1,763	8.4	6.5 - 10.5	1,594	10.4	8.3 - 12.7
Missouri	6,108	11.0	9.9 - 12.3	3,216	10.3	8.7 - 12.0	2,892	12.1	10.4 - 13.9
Montana	1,048	14.6	11.5 - 18.0	548	14.0	10.0 - 18.7	500	12.2	8.6 - 16.6 *
Nebraska	1,863	15.1	12.8 - 17.6	994	11.9	9.1 - 15.1	869	18.6	14.9 - 22.6
New Hampshire	1,416	15.4	12.7 - 18.3	761	13.1	10.2 - 16.4	655	13.7	10.0 - 18.1 *
New Jersey	10,120	14.4	13.4 - 15.5	5,001	13.6	12.1 - 15.2	5,119	15.5	14.0 - 17.1
New Mexico	1,855	8.8	6.8 - 11.1	983	7.3	5.2 - 9.9	872	10.5	7.4 - 14.2
New York	22,466	14.2	13.5 - 14.9	11,276	13.2	12.3 - 14.2	11,190	15.5	14.5 - 16.5
North Carolina	10,085	12.6	11.6 - 13.5	5,154	10.5	9.3 - 11.9	4,931	14.7	13.3 - 16.1
North Dakota	677	13.9	10.4 - 17.7	354	11.1	7.2 - 15.9 *	323	17.5	11.9 - 24.0
Ohio	11,675	11.3	10.4 - 12.2	5,902	9.7	8.6 - 10.9	5,773	13.3	12.0 - 14.6
Oklahoma	3,387	10.9	9.4 - 12.5	1,699	10.4	8.4 - 12.6	1,688	11.1	9.1 - 13.4
Oregon	4,237	14.0	12.4 - 15.7	2,253	12.7	10.3 - 15.4	1,984	14.9	12.7 - 17.3
Pennsylvania	15,768	13.4	12.6 - 14.3	8,163	12.8	11.7 - 13.9	7,605	14.4	13.1 - 15.7
Rhode Island	1,109	16.1	13.1 - 19.3	599	14.8	10.8 - 19.4	510	17.0	12.7 - 21.9
South Carolina	5,237	10.9	9.6 - 12.3	2,720	10.0	8.4 - 11.9	2,517	11.8	9.8 - 13.9
South Dakota	883	14.1	11.0 - 17.4	459	14.0	10.0 - 18.7	424	14.7	10.3 - 19.9
Tennessee	6,340	11.4	10.3 - 12.6	3,269	10.1	8.5 - 11.8	3,071	13.0	11.4 - 14.7
Texas	20,769	14.9	14.2 - 15.6	10,816	14.5	13.5 - 15.4	9,953	15.5	14.5 - 16.5
Utah	1,873	12.1	10.1 - 14.3	1,024	9.6	7.4 - 12.1 *	849	11.9	8.9 - 15.5
Vermont	696	15.9	11.8 - 20.5	370	18.4	13.0 - 24.4	326	10.8	6.4 - 16.4 *
Washington	6,857	14.3	13.0 - 15.7	3,543	14.0	12.3 - 15.8	3,314	14.7	12.8 - 16.8
WA - Seattle	4,767	13.7	12.1 - 15.3	2,431	12.3	10.4 - 14.3	2,336	14.8	12.2 - 17.6
West Virginia	2,085	8.8	7.0 - 10.8	1,063	7.6	5.4 - 10.3 *	1,022	9.7	7.1 - 12.6
Wisconsin	6,377	13.7	12.5 - 15.0	3,404	13.1	11.5 - 14.9	2,973	14.9	13.1 - 16.9
Wyoming	479	11.1	7.6 - 15.3	264	12.4	8.0 - 17.9	215	9.1	5.2 - 14.3
NAACCR CDN Combined	24,830	12.1	11.5 - 12.7	12,910	11.5	10.7 - 12.3	11,920	12.9	12.0 - 13.8
Alberta	3,196	12.3	10.8 - 14.0	1,617	11.8	9.7 - 14.3	1,579	12.5	10.5 - 14.8
British Columbia	4,847	9.8	8.5 - 11.2	2,515	9.3	7.6 - 11.3	2,332	10.4	8.4 - 12.6
Manitoba	1,266	13.0	10.2 - 16.1	634	12.5	9.0 - 16.7	632	9.9	6.9 - 13.6 *
New Brunswick	907	9.0	6.5 - 12.0	492	8.0	5.2 - 11.4 *	415	9.6	5.6 - 14.9
Newfoundland and Labrador	453	7.0	4.3 - 10.7 *	234	6.5	3.0 - 12.0 *	219	7.8	3.9 - 13.3 *
Ontario	12,999	13.0	12.1 - 13.8	6,794	12.0	10.9 - 13.2	6,205	14.2	13.0 - 15.6
Prince Edward Island	158	13.2	7.6 - 20.3 *	90	16.1	8.3 - 26.2 *	68	9.9	3.5 - 20.4 *
Saskatchewan	1,004	11.0	8.3 - 14.2	534	11.5	7.7 - 16.1	470	6.6	3.9 - 10.2 *
NAACCR N.A. Combined	310,673	13.1	12.9 - 13.3	160,760	12.4	12.1 - 12.6	149,913	14.0	13.8 - 14.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-8 Survival – Pancreas

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Larynx**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	78,188	59.4	58.8 - 60.0	62,197	60.2	59.5 - 60.8	15,991	55.8	54.5 - 57.0
Alabama	1,830	58.5	54.1 - 62.6	1,469	60.1	55.2 - 64.7	361	51.4	43.4 - 58.9
Alaska	125	52.5	36.7 - 66.2	107	55.2	37.3 - 69.9	18	-	-
Arizona	1,228	55.4	50.8 - 59.8	1,004	54.2	48.8 - 59.4	224	56.1	46.7 - 64.5
Arkansas	1,025	52.9	47.3 - 58.2	794	53.0	46.5 - 59.1	231	48.7	37.2 - 59.3
California	5,705	61.9	59.9 - 63.9	4,756	62.7	60.4 - 64.9	949	56.6	51.9 - 61.0
CA - Greater California	3,353	60.7	58.0 - 63.2	2,763	61.4	58.4 - 64.2	590	55.2	49.4 - 60.6
CA - Greater Bay Area	1,011	64.4	59.4 - 69.0	853	65.3	59.8 - 70.2	158	60.6	48.1 - 70.9*
CA - Los Angeles	1,335	62.3	58.0 - 66.3	1,136	62.9	58.4 - 67.1	199	57.4	47.2 - 66.2
Colorado	927	58.6	53.3 - 63.4	738	58.4	52.4 - 63.9	189	61.1	51.0 - 69.7*
Connecticut	1,083	61.4	56.4 - 66.0	854	62.5	56.8 - 67.6	229	55.8	45.6 - 64.8
Delaware	310	56.9	47.7 - 65.2	231	59.1	49.0 - 67.9*	79	44.1	25.1 - 61.6*
Florida	7,239	57.8	55.9 - 59.6	5,933	57.3	55.2 - 59.4	1,306	59.3	55.0 - 63.2
Georgia	2,876	58.6	55.3 - 61.8	2,306	59.8	56.0 - 63.3	570	52.2	45.1 - 58.9
Hawaii	264	61.4	50.5 - 70.6	225	62.8	50.8 - 72.6	39	-	-
Idaho	279	58.2	49.1 - 66.3*	222	56.6	46.2 - 65.8*	57	64.7	45.0 - 78.9*
Illinois	3,792	60.3	57.6 - 63.0	2,977	62.7	59.6 - 65.6	815	51.6	45.7 - 57.1
Iowa	1,007	58.1	52.7 - 63.2	811	60.1	54.0 - 65.7	196	49.9	39.6 - 59.4
Kansas	725	62.4	56.9 - 67.4*	602	61.9	55.7 - 67.6*	123	63.2	51.6 - 72.8*
Kentucky	2,064	56.8	52.7 - 60.6	1,566	56.9	52.2 - 61.3	498	54.6	46.5 - 61.9
Louisiana	1,899	53.8	49.5 - 57.9	1,490	53.1	48.2 - 57.8	409	53.9	45.0 - 62.0
Maine	500	62.4	55.9 - 68.3*	380	65.7	58.1 - 72.2*	120	51.9	38.2 - 63.9*
Maryland	1,368	60.5	55.9 - 64.8	1,067	61.9	56.8 - 66.6	301	56.0	46.5 - 64.4
MI - Detroit	1,313	60.0	55.0 - 64.6	1,009	60.4	54.5 - 65.8	304	57.7	48.6 - 65.7
Minnesota	1,285	68.4	64.3 - 72.2	1,025	70.7	66.1 - 74.9	260	55.6	46.7 - 63.6
Mississippi	1,231	50.3	45.1 - 55.3	996	49.3	43.4 - 54.8	235	55.2	44.9 - 64.3
Missouri	2,128	58.5	54.7 - 62.1	1,648	58.6	54.2 - 62.7	480	56.4	48.7 - 63.4
Montana	265	56.0	46.3 - 64.7*	214	58.0	46.6 - 67.8*	51	47.0	28.9 - 63.2*
Nebraska	469	55.9	48.0 - 63.1	371	54.6	46.5 - 62.0*	98	55.4	39.2 - 68.9
New Hampshire	370	61.4	53.9 - 68.0	299	61.6	53.5 - 68.8	71	58.3	39.9 - 72.8
New Jersey	2,232	60.8	57.4 - 64.0	1,798	62.6	58.6 - 66.2	434	52.9	46.0 - 59.3*
New Mexico	398	50.5	43.1 - 57.5*	320	51.0	42.4 - 58.8*	78	47.3	32.8 - 60.5*
New York	5,358	60.7	58.5 - 62.7	4,244	60.6	58.1 - 62.9	1,114	58.9	54.2 - 63.4
North Carolina	3,316	58.7	55.6 - 61.7	2,565	60.2	56.5 - 63.7	751	52.6	46.9 - 58.0
North Dakota	190	58.1	46.7 - 67.8	161	62.8	49.7 - 73.4	29	-	-
Ohio	4,090	60.7	57.9 - 63.4	3,125	61.8	58.4 - 65.0	965	57.4	52.3 - 62.1
Oklahoma	1,132	58.5	53.4 - 63.2	849	61.1	55.2 - 66.5	283	48.0	38.2 - 57.2
Oregon	794	65.7	58.7 - 71.7	654	66.9	59.7 - 73.1	140	59.2	43.7 - 71.8*
Pennsylvania	4,212	62.5	59.8 - 65.0	3,274	63.1	60.0 - 66.0	938	58.9	54.0 - 63.3
Rhode Island	326	64.3	56.7 - 70.9	250	64.3	54.5 - 72.5	76	65.6	48.7 - 78.1*
South Carolina	1,843	57.6	53.3 - 61.7	1,510	58.7	53.9 - 63.2	333	50.9	41.5 - 59.5
South Dakota	217	59.5	48.7 - 68.7	165	57.8	45.9 - 68.1	52	58.8	39.5 - 73.9*
Tennessee	2,452	55.6	51.7 - 59.3	1,880	56.3	51.7 - 60.7	572	51.2	44.4 - 57.6
Texas	5,748	55.6	53.3 - 57.9	4,716	56.4	53.8 - 59.0	1,032	51.1	46.5 - 55.6
Utah	275	56.5	47.3 - 64.8	223	56.1	45.5 - 65.4	52	48.4	32.3 - 62.7
Vermont	197	58.9	47.4 - 68.8	155	59.4	45.9 - 70.6	42	66.1	45.6 - 80.3*
Washington	1,395	63.5	59.5 - 67.2	1,110	64.8	60.3 - 69.0	285	56.5	47.8 - 64.3
WA - Seattle	946	63.7	58.7 - 68.3	760	65.4	59.9 - 70.4	186	52.6	41.4 - 62.6*
West Virginia	914	53.2	46.6 - 59.2	682	49.1	41.3 - 56.4	232	62.7	53.4 - 70.7
Wisconsin	1,654	62.8	58.8 - 66.5	1,322	63.8	59.1 - 68.1	332	56.6	48.2 - 64.3
Wyoming	138	54.6	41.3 - 66.1	100	53.7	37.3 - 67.6	38	-	-
NAACCR CDN Combined	5,026	63.3	61.1 - 65.3	4,272	63.7	61.3 - 66.0	754	60.1	55.1 - 64.7
Alberta	546	67.6	61.3 - 73.1	475	64.9	57.8 - 71.2	71	73.9	57.2 - 84.9*
British Columbia	821	62.9	57.8 - 67.6	711	64.1	58.5 - 69.2	110	55.8	42.5 - 67.2
Manitoba	207	69.0	57.6 - 78.0	179	67.9	55.5 - 77.5	28	-	-
New Brunswick	196	63.3	53.3 - 71.8*	170	62.4	51.3 - 71.6*	26	-	-
Newfoundland and Labrador	169	64.3	51.3 - 74.6*	148	64.4	50.4 - 75.4*	21	-	-
Ontario	2,861	62.3	59.5 - 65.0	2,402	63.5	60.3 - 66.5	459	56.7	50.2 - 62.7
Prince Edward Island	34	-	-	29	-	-	-	-	-
Saskatchewan	192	55.4	45.7 - 64.0	158	51.5	41.2 - 60.9	34	-	-
NAACCR N.A. Combined	83,214	59.6	59.1 - 60.2	66,469	60.4	59.7 - 61.0	16,745	56.0	54.8 - 57.2

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Lung & Bronchus**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	1,305,930	23.7	23.6 - 23.8	685,207	19.9	19.7 - 20.0	620,723	27.9	27.7 - 28.0
Alabama	26,662	18.4	17.6 - 19.2	15,404	15.8	14.9 - 16.9	11,258	21.8	20.5 - 23.0
Alaska	2,408	20.6	18.0 - 23.3	1,329	17.6	14.4 - 21.1	1,079	23.8	19.8 - 28.0
Arizona	25,774	23.7	22.8 - 24.6	13,153	18.7	17.5 - 19.9	12,621	28.6	27.3 - 30.0
Arkansas	18,459	20.9	19.9 - 21.8	10,519	17.6	16.4 - 18.8	7,940	25.0	23.4 - 26.5
California	113,503	24.1	23.7 - 24.5	57,164	19.6	19.1 - 20.2	56,339	28.5	28.0 - 29.1
CA - Greater California	67,262	23.3	22.8 - 23.9	33,505	18.8	18.1 - 19.6	33,757	27.7	27.0 - 28.5
CA - Greater Bay Area	21,417	27.1	26.1 - 28.0	10,760	22.7	21.4 - 24.0	10,657	31.6	30.2 - 33.0
CA - Los Angeles	24,760	23.6	22.8 - 24.5	12,862	19.2	18.1 - 20.4	11,898	28.2	26.9 - 29.5
Colorado	15,293	26.6	25.5 - 27.7	7,523	23.0	21.5 - 24.6	7,770	30.0	28.4 - 31.6
Connecticut	18,033	28.8	27.8 - 30.0	8,817	24.7	23.1 - 26.4	9,216	32.7	31.2 - 34.2
Delaware	5,498	24.0	22.3 - 25.8	2,800	20.0	17.7 - 22.5	2,698	28.0	25.4 - 30.6
Florida	111,667	25.3	24.9 - 25.8	59,031	21.6	21.0 - 22.1	52,636	29.5	28.9 - 30.1
Georgia	44,518	21.8	21.2 - 22.4	24,824	18.0	17.2 - 18.8	19,694	26.4	25.5 - 27.4
Hawaii	5,431	20.7	19.0 - 22.5	3,083	17.1	15.0 - 19.4	2,348	25.5	22.8 - 28.3
Idaho	6,075	22.6	20.6 - 24.6	3,105	19.0	16.2 - 22.1	2,970	25.8	23.2 - 28.5
Illinois	62,607	24.5	23.9 - 25.0	32,273	20.9	20.2 - 21.6	30,334	28.2	27.4 - 29.1
Iowa	16,298	21.1	20.1 - 22.2	8,859	17.6	16.2 - 19.1	7,439	25.1	23.5 - 26.7
Kansas	13,104	23.6	22.3 - 24.8	6,967	20.0	18.3 - 21.8	6,137	27.3	25.4 - 29.1
Kentucky	32,758	19.3	18.6 - 20.0	17,646	15.8	14.9 - 16.8	15,112	22.8	21.8 - 23.9
Louisiana	23,812	19.3	18.5 - 20.2	13,394	16.0	15.0 - 17.1	10,418	23.4	22.2 - 24.7
Maine	8,935	23.3	21.9 - 24.8	4,570	18.3	16.5 - 20.2	4,365	28.4	26.3 - 30.5
Maryland	24,861	26.1	25.3 - 27.0	12,191	22.2	21.0 - 23.4	12,670	29.9	28.7 - 31.2
MI - Detroit	21,349	23.5	22.6 - 24.4	10,594	20.3	19.1 - 21.6	10,755	26.7	25.4 - 28.0
Minnesota	23,145	27.7	26.8 - 28.6	11,747	23.2	22.0 - 24.5	11,398	32.2	30.8 - 33.5
Mississippi	17,652	19.3	18.3 - 20.2	10,219	17.0	15.8 - 18.3	7,433	22.1	20.6 - 23.7
Missouri	35,689	21.6	20.8 - 22.3	18,855	18.0	17.0 - 18.9	16,834	25.6	24.6 - 26.7
Montana	4,850	22.6	20.4 - 24.8	2,361	19.3	16.4 - 22.4	2,489	24.9	21.8 - 28.1
Nebraska	8,306	22.3	20.8 - 23.8	4,415	19.6	17.5 - 21.8	3,891	25.0	22.8 - 27.3
New Hampshire	7,322	26.4	24.8 - 28.0	3,527	21.9	19.6 - 24.3	3,795	30.6	28.4 - 32.9
New Jersey	39,397	27.5	26.8 - 28.2	19,035	22.8	21.9 - 23.8	20,362	31.7	30.7 - 32.7
New Mexico	6,385	21.4	19.7 - 23.1	3,352	17.7	15.4 - 20.2	3,033	25.2	22.8 - 27.8
New York	92,581	28.1	27.6 - 28.5	45,970	23.1	22.4 - 23.7	46,611	32.8	32.2 - 33.5
North Carolina	53,617	23.2	22.6 - 23.8	29,159	19.7	18.9 - 20.5	24,458	27.3	26.4 - 28.2
North Dakota	3,261	23.8	21.2 - 26.4	1,763	20.3	17.3 - 23.4	1,498	27.7	23.5 - 32.1
Ohio	63,889	22.0	21.4 - 22.5	33,901	18.9	18.2 - 19.6	29,988	25.3	24.6 - 26.1
Oklahoma	19,831	18.8	17.8 - 19.7	10,723	16.4	15.1 - 17.7	9,108	21.3	20.0 - 22.6
Oregon	17,987	26.1	25.0 - 27.1	8,977	22.3	20.9 - 23.8	9,010	29.7	28.2 - 31.2
Pennsylvania	70,774	25.1	24.5 - 25.6	36,831	20.6	19.9 - 21.3	33,943	29.6	28.9 - 30.4
Rhode Island	6,064	28.4	26.6 - 30.2	2,975	23.5	21.0 - 26.0	3,089	33.0	30.4 - 35.6
South Carolina	26,198	21.3	20.5 - 22.1	14,621	17.4	16.4 - 18.5	11,577	25.9	24.6 - 27.1
South Dakota	4,048	24.6	22.2 - 27.2	2,137	21.3	18.1 - 24.7	1,911	26.1	23.2 - 29.2 *
Tennessee	39,150	21.2	20.6 - 21.9	21,470	18.0	17.1 - 18.9	17,680	24.9	23.9 - 25.9
Texas	87,710	22.5	22.1 - 23.0	47,993	19.6	19.0 - 20.1	39,717	26.1	25.4 - 26.7
Utah	4,459	24.2	22.4 - 26.1	2,423	19.7	17.3 - 22.2	2,036	29.3	26.5 - 32.2
Vermont	3,498	25.8	23.5 - 28.1	1,773	23.2	20.2 - 26.4	1,725	28.8	25.7 - 32.1
Washington	28,923	25.7	24.8 - 26.5	14,491	21.9	20.8 - 23.1	14,432	29.3	28.1 - 30.5
WA - Seattle	20,028	25.5	24.5 - 26.6	9,996	21.5	20.1 - 22.9	10,032	29.5	28.0 - 30.9
West Virginia	14,068	20.1	19.0 - 21.3	7,754	16.6	15.1 - 18.1	6,314	24.3	22.6 - 26.1
Wisconsin	28,098	24.7	23.8 - 25.5	14,480	19.6	18.4 - 20.8	13,618	29.6	28.4 - 30.8
Wyoming	1,983	22.0	19.2 - 24.9	1,009	21.6	17.6 - 25.8	974	22.9	19.1 - 26.9
NAACCR CDN Combined	122,109	23.2	22.8 - 23.6	61,801	20.0	19.4 - 20.5	60,308	26.4	25.9 - 27.0
Alberta	14,725	23.1	22.0 - 24.3	7,351	19.5	18.0 - 21.1	7,374	26.6	25.0 - 28.2
British Columbia	22,042	22.5	21.6 - 23.5	10,884	21.2	19.8 - 22.6	11,158	24.1	22.7 - 25.5
Manitoba	6,097	23.9	22.1 - 25.7	2,956	21.0	18.7 - 23.4	3,141	26.7	24.2 - 29.2
New Brunswick	5,342	23.6	21.4 - 25.9	2,935	19.4	17.3 - 21.5 *	2,407	26.9	23.6 - 30.3
Newfoundland and Labrador	3,288	23.9	21.3 - 26.5	1,854	18.2	15.6 - 21.1 *	1,434	28.9	25.3 - 32.6
Ontario	64,422	23.6	23.1 - 24.1	32,753	20.0	19.3 - 20.8	31,669	27.1	26.4 - 27.9
Prince Edward Island	938	19.3	15.7 - 23.2 *	480	11.2	7.6 - 15.6 *	458	28.1	22.0 - 34.5 *
Saskatchewan	5,255	20.5	18.7 - 22.4	2,588	16.5	14.1 - 19.1	2,667	24.1	21.4 - 27.0
NAACCR N.A. Combined	1,428,039	23.7	23.5 - 23.8	747,008	19.8	19.7 - 20.0	681,031	27.7	27.6 - 27.9

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Melanoma of the Skin**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	469,606	92.2	92.0 - 92.3	275,675	90.4	90.1 - 90.6	193,931	94.0	93.8 - 94.2
Alabama	8,071	91.4	90.1 - 92.5	4,800	89.9	88.0 - 91.5	3,271	91.8	89.9 - 93.5
Alaska	644	88.8	84.1 - 92.1	346	83.3	76.6 - 88.2	298	91.8	86.0 - 95.2
Arizona	11,965	89.5	88.3 - 90.5	7,593	88.2	86.5 - 89.6	4,372	90.6	88.8 - 92.2
Arkansas	4,784	91.2	89.5 - 92.7	2,905	90.0	87.4 - 92.1	1,879	91.0	88.4 - 92.9
California	59,336	92.1	91.6 - 92.5	35,596	90.0	89.4 - 90.6	23,740	94.4	93.8 - 94.9
CA - Greater California	36,925	91.5	90.9 - 92.0	22,223	89.2	88.4 - 90.0	14,702	94.0	93.2 - 94.7
CA - Greater Bay Area	13,126	95.0	94.2 - 95.8	7,783	93.2	91.9 - 94.3	5,343	97.1	96.0 - 97.8
CA - Los Angeles	9,194	89.5	88.4 - 90.6	5,557	87.9	86.2 - 89.4	3,637	91.5	89.7 - 93.0
Colorado	8,410	90.7	89.5 - 91.7	4,851	88.5	86.8 - 89.9	3,559	93.1	91.3 - 94.5
Connecticut	5,907	92.9	91.6 - 94.0	3,391	91.3	89.2 - 93.0	2,516	94.1	92.3 - 95.5
Delaware	2,245	92.5	89.9 - 94.4	1,333	90.3	86.5 - 93.1	912	93.0	89.1 - 95.5
Florida	41,440	90.5	89.9 - 91.1	25,977	88.2	87.3 - 89.1	15,463	93.0	92.2 - 93.7
Georgia	17,719	94.2	93.3 - 94.9	10,491	93.2	92.1 - 94.1	7,228	95.0	93.9 - 95.9
Hawaii	2,304	93.7	91.5 - 95.4	1,441	91.7	88.6 - 94.0	863	95.8	92.9 - 97.5
Idaho	3,235	91.3	89.3 - 92.9	1,891	89.0	85.9 - 91.5	1,344	92.8	89.7 - 95.0
Illinois	18,741	92.9	92.2 - 93.6	10,486	91.2	90.0 - 92.2	8,255	94.4	93.3 - 95.3
Iowa	6,274	92.4	91.0 - 93.5	3,417	90.2	88.2 - 91.9	2,857	93.9	92.0 - 95.4
Kansas	5,511	92.7	91.3 - 93.9	3,142	91.4	89.2 - 93.1	2,369	92.9	90.4 - 94.8
Kentucky	8,678	90.0	88.7 - 91.2	4,924	87.1	85.1 - 88.9	3,754	92.3	90.5 - 93.7
Louisiana	5,709	91.6	90.1 - 92.9	3,528	89.9	87.7 - 91.7	2,181	92.6	90.3 - 94.4
Maine	2,931	93.6	91.5 - 95.2	1,577	92.0	88.9 - 94.3	1,354	94.3	91.5 - 96.2
Maryland	10,033	94.6	93.7 - 95.4	5,904	92.3	90.6 - 93.7	4,129	96.0	94.6 - 97.0
MI - Detroit	5,168	92.0	90.4 - 93.3	2,941	89.7	87.4 - 91.6	2,227	94.4	92.0 - 96.2
Minnesota	12,361	95.7	94.9 - 96.3	6,847	94.5	93.3 - 95.5	5,514	96.7	95.5 - 97.5
Mississippi	3,936	90.1	88.3 - 91.7	2,356	88.1	85.4 - 90.4	1,580	91.6	88.8 - 93.7
Missouri	8,874	89.5	88.3 - 90.6	5,284	87.5	85.8 - 88.9	3,590	91.4	89.5 - 93.0
Montana	2,090	86.2	83.1 - 88.8	1,204	85.1	80.4 - 88.8	886	85.9	81.4 - 89.3
Nebraska	3,324	91.7	89.8 - 93.2	1,784	89.2	86.2 - 91.6	1,540	92.9	90.1 - 94.9
New Hampshire	3,330	94.3	92.2 - 95.8	1,855	93.0	90.2 - 95.0	1,475	95.4	92.3 - 97.2
New Jersey	15,093	92.6	91.8 - 93.4	8,729	90.9	89.6 - 92.1	6,364	93.9	92.8 - 94.9
New Mexico	2,521	86.5	83.7 - 88.8	1,511	84.1	79.8 - 87.7	1,010	88.6	84.9 - 91.4
New York	27,084	92.0	91.3 - 92.5	15,520	90.3	89.3 - 91.2	11,564	93.4	92.5 - 94.1
North Carolina	18,772	93.1	92.3 - 93.8	11,068	92.0	90.8 - 93.0	7,704	94.0	92.7 - 95.0
North Dakota	1,246	90.5	87.1 - 93.0	673	86.8	81.9 - 90.5	573	93.4	86.7 - 96.8
Ohio	20,318	92.1	91.3 - 92.8	11,451	89.8	88.7 - 90.9	8,867	93.6	92.5 - 94.5
Oklahoma	5,810	88.5	86.7 - 90.0	3,536	85.0	82.3 - 87.3	2,274	91.4	88.8 - 93.4
Oregon	8,563	94.4	93.4 - 95.3	4,737	92.4	90.7 - 93.9	3,826	95.9	94.5 - 96.9
Pennsylvania	24,484	92.9	92.2 - 93.5	14,113	91.1	90.1 - 92.0	10,371	94.4	93.6 - 95.1
Rhode Island	1,833	93.4	91.0 - 95.1	1,036	90.8	87.0 - 93.6	797	94.0	90.5 - 96.2
South Carolina	8,664	94.1	93.0 - 94.9	5,157	92.5	90.9 - 93.8	3,507	95.3	93.7 - 96.4
South Dakota	1,566	92.8	90.2 - 94.7	871	90.1	85.9 - 93.0	695	93.9	88.4 - 96.9
Tennessee	10,271	91.0	89.9 - 92.0	6,027	88.9	87.3 - 90.3	4,244	92.8	91.1 - 94.1
Texas	23,463	88.6	87.8 - 89.3	14,298	86.5	85.4 - 87.5	9,165	90.2	89.1 - 91.2
Utah	6,511	95.2	94.0 - 96.1	3,807	93.3	91.7 - 94.6	2,704	97.0	94.7 - 98.3
Vermont	1,846	94.4	91.5 - 96.4	1,053	92.5	87.8 - 95.5	793	94.8	89.7 - 97.4
Washington	13,635	94.1	93.2 - 94.8	7,603	92.1	90.8 - 93.3	6,032	95.4	94.3 - 96.3
WA - Seattle	10,334	94.9	94.0 - 95.7	5,758	93.4	91.8 - 94.7	4,576	95.8	94.6 - 96.8
West Virginia	3,301	89.7	87.7 - 91.5	1,934	87.5	84.2 - 90.2	1,367	90.0	87.2 - 92.2
Wisconsin	10,630	92.3	91.3 - 93.2	6,130	90.8	89.1 - 92.1	4,500	93.3	91.9 - 94.6
Wyoming	975	90.8	87.6 - 93.3	557	87.2	81.7 - 91.1	418	90.5	84.2 - 94.3
NAACCR CDN Combined	39,923	89.3	88.8 - 89.8	21,805	86.9	86.1 - 87.6	18,118	91.9	91.2 - 92.5
Alberta	4,568	90.2	88.5 - 91.6	2,405	88.5	86.1 - 90.5	2,163	92.1	89.7 - 93.9
British Columbia	7,317	90.7	89.6 - 91.8	3,992	89.2	87.5 - 90.7	3,325	92.3	90.6 - 93.6
Manitoba	1,532	90.7	88.1 - 92.8	821	85.8	81.4 - 89.2	711	94.7	90.9 - 97.0
New Brunswick	1,298	91.1	88.1 - 93.4	670	87.8	82.2 - 91.7	628	92.4	88.6 - 95.0
Newfoundland and Labrador	722	90.3	86.5 - 93.1	378	88.6	82.0 - 92.8	344	89.6	83.8 - 93.4
Ontario	22,926	88.3	87.5 - 88.9	12,750	85.5	84.4 - 86.6	10,176	91.2	90.2 - 92.1
Prince Edward Island	374	85.4	78.8 - 90.1	191	81.8	69.5 - 89.5	183	86.7	77.7 - 92.3
Saskatchewan	1,186	88.0	84.9 - 90.6	598	83.3	77.7 - 87.6	588	92.3	88.5 - 94.9
NAACCR N.A. Combined	509,529	92.0	91.8 - 92.1	297,480	90.1	89.9 - 90.3	212,049	93.8	93.6 - 94.0

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Female Breast**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		1,460,387	89.7	89.5 - 89.8
Alabama	-	-		-	-		25,056	87.8	86.9 - 88.7
Alaska	-	-		-	-		2,890	88.5	85.2 - 91.2
Arizona	-	-		-	-		30,843	89.7	88.9 - 90.5
Arkansas	-	-		-	-		14,330	88.4	87.0 - 89.6
California	-	-		-	-		176,808	89.7	89.3 - 90.0
CA - Greater California	-	-		-	-		97,597	89.2	88.8 - 89.7
CA - Greater Bay Area	-	-		-	-		35,580	91.8	91.0 - 92.5
CA - Los Angeles	-	-		-	-		43,612	88.9	88.1 - 89.6
Colorado	-	-		-	-		25,195	91.3	90.3 - 92.2
Connecticut	-	-		-	-		21,608	90.4	89.4 - 91.3
Delaware	-	-		-	-		5,393	88.0	85.8 - 89.9
Florida	-	-		-	-		108,621	89.1	88.6 - 89.5
Georgia	-	-		-	-		48,660	87.7	86.9 - 88.4
Hawaii	-	-		-	-		7,997	89.9	88.3 - 91.3
Idaho	-	-		-	-		7,752	89.9	88.1 - 91.5
Illinois	-	-		-	-		67,952	89.9	89.4 - 90.5
Iowa	-	-		-	-		16,329	90.3	89.1 - 91.3
Kansas	-	-		-	-		14,600	92.5	91.2 - 93.6
Kentucky	-	-		-	-		23,223	88.8	87.7 - 89.9
Louisiana	-	-		-	-		23,079	86.3	85.1 - 87.3
Maine	-	-		-	-		8,040	92.2	90.6 - 93.6
Maryland	-	-		-	-		32,269	89.6	88.7 - 90.5
MI - Detroit	-	-		-	-		21,951	88.1	87.1 - 89.0
Minnesota	-	-		-	-		28,656	93.1	92.3 - 93.8
Mississippi	-	-		-	-		14,387	85.6	84.1 - 86.9
Missouri	-	-		-	-		32,860	90.2	89.3 - 90.9
Montana	-	-		-	-		5,547	88.7	86.4 - 90.7
Nebraska	-	-		-	-		9,345	90.1	88.5 - 91.4
New Hampshire	-	-		-	-		8,379	92.2	90.4 - 93.6
New Jersey	-	-		-	-		50,600	88.7	88.0 - 89.3
New Mexico	-	-		-	-		9,578	88.3	86.7 - 89.7
New York	-	-		-	-		107,707	89.2	88.7 - 89.6
North Carolina	-	-		-	-		55,398	89.7	89.1 - 90.4
North Dakota	-	-		-	-		3,494	92.2	89.5 - 94.3
Ohio	-	-		-	-		63,123	90.3	89.7 - 90.9
Oklahoma	-	-		-	-		18,338	88.8	87.6 - 90.0
Oregon	-	-		-	-		21,443	92.1	91.0 - 93.0
Pennsylvania	-	-		-	-		74,363	89.8	89.3 - 90.3
Rhode Island	-	-		-	-		6,173	92.7	90.7 - 94.3
South Carolina	-	-		-	-		26,754	88.6	87.6 - 89.5
South Dakota	-	-		-	-		4,370	91.8	89.6 - 93.5
Tennessee	-	-		-	-		33,961	89.7	88.8 - 90.5
Texas	-	-		-	-		108,214	89.0	88.5 - 89.5
Utah	-	-		-	-		10,087	88.8	87.3 - 90.2
Vermont	-	-		-	-		3,662	91.5	89.0 - 93.4
Washington	-	-		-	-		37,625	91.9	91.1 - 92.6
WA - Seattle	-	-		-	-		26,883	92.1	91.2 - 93.0
West Virginia	-	-		-	-		10,030	90.0	88.6 - 91.3
Wisconsin	-	-		-	-		31,167	91.6	90.8 - 92.4
Wyoming	-	-		-	-		2,530	88.2	84.9 - 90.8
NAACCR CDN Combined	-	-		-	-		131,033	87.9	87.5 - 88.3
Alberta	-	-		-	-		17,353	89.7	88.7 - 90.6
British Columbia	-	-		-	-		23,531	87.5	86.6 - 88.4
Manitoba	-	-		-	-		5,916	88.3	86.5 - 89.8
New Brunswick	-	-		-	-		4,120	87.2	85.3 - 88.9
Newfoundland and Labrador	-	-		-	-		3,027	85.7	82.5 - 88.3
Ontario	-	-		-	-		71,231	87.7	87.2 - 88.2
Prince Edward Island	-	-		-	-		788	90.9	85.2 - 94.5
Saskatchewan	-	-		-	-		5,067	86.5	84.6 - 88.3
NAACCR N.A. Combined	-	-		-	-		1,591,420	89.5	89.4 - 89.6

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-12 Survival – Female Breast

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Cervix Uteri**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		80,595	61.3	60.8 - 61.8
Alabama	-	-		-	-		1,623	53.9	50.5 - 57.2
Alaska	-	-		-	-		174	73.4	63.9 - 80.7 *
Arizona	-	-		-	-		1,527	61.0	57.4 - 64.3
Arkansas	-	-		-	-		973	57.7	52.5 - 62.6
California	-	-		-	-		10,065	60.7	59.3 - 62.1
CA - Greater California	-	-		-	-		5,632	59.9	58.0 - 61.8
CA - Greater Bay Area	-	-		-	-		1,559	68.1	64.6 - 71.3
CA - Los Angeles	-	-		-	-		2,862	57.4	54.6 - 60.1
Colorado	-	-		-	-		1,147	67.8	63.1 - 72.0
Connecticut	-	-		-	-		844	67.0	62.4 - 71.2
Delaware	-	-		-	-		282	66.9	59.7 - 73.0 *
Florida	-	-		-	-		6,901	62.0	60.3 - 63.6
Georgia	-	-		-	-		2,859	56.1	53.2 - 58.8
Hawaii	-	-		-	-		350	64.7	57.1 - 71.2
Idaho	-	-		-	-		359	60.4	52.8 - 67.2
Illinois	-	-		-	-		3,661	62.5	60.2 - 64.8
Iowa	-	-		-	-		787	61.6	56.7 - 66.0
Kansas	-	-		-	-		731	63.2	56.4 - 69.2
Kentucky	-	-		-	-		1,470	61.5	57.4 - 65.5
Louisiana	-	-		-	-		1,482	56.7	53.1 - 60.2
Maine	-	-		-	-		305	58.8	51.7 - 65.3
Maryland	-	-		-	-		1,480	64.3	60.8 - 67.6
MI - Detroit	-	-		-	-		1,001	53.2	48.8 - 57.4
Minnesota	-	-		-	-		1,079	66.6	61.7 - 71.0
Mississippi	-	-		-	-		1,021	53.7	49.3 - 57.8
Missouri	-	-		-	-		1,804	57.4	53.8 - 60.7
Montana	-	-		-	-		249	63.7	54.0 - 71.8
Nebraska	-	-		-	-		480	56.5	49.6 - 62.8
New Hampshire	-	-		-	-		240	61.3	52.6 - 68.9
New Jersey	-	-		-	-		2,645	59.8	57.3 - 62.2
New Mexico	-	-		-	-		566	61.1	54.6 - 66.9
New York	-	-		-	-		5,868	61.1	59.3 - 62.8
North Carolina	-	-		-	-		2,660	62.4	59.7 - 65.0
North Dakota	-	-		-	-		140	64.0	51.3 - 74.2
Ohio	-	-		-	-		3,277	60.9	58.3 - 63.4
Oklahoma	-	-		-	-		1,184	57.3	52.5 - 61.7
Oregon	-	-		-	-		961	66.5	61.6 - 71.0
Pennsylvania	-	-		-	-		3,604	63.1	60.8 - 65.2
Rhode Island	-	-		-	-		260	72.0	63.8 - 78.6
South Carolina	-	-		-	-		1,370	57.7	53.8 - 61.4
South Dakota	-	-		-	-		210	67.8	59.7 - 74.7
Tennessee	-	-		-	-		2,051	57.6	54.4 - 60.7
Texas	-	-		-	-		8,553	60.4	58.7 - 62.1
Utah	-	-		-	-		472	65.0	57.9 - 71.2
Vermont	-	-		-	-		99	75.5	63.2 - 84.1 *
Washington	-	-		-	-		1,681	69.6	66.1 - 72.8
WA - Seattle	-	-		-	-		1,217	68.1	64.1 - 71.8
West Virginia	-	-		-	-		639	59.0	53.5 - 64.1
Wisconsin	-	-		-	-		1,319	64.8	61.1 - 68.3
Wyoming	-	-		-	-		142	72.4	61.7 - 80.6 *
NAACCR CDN Combined	-	-		-	-		7,429	67.7	66.1 - 69.2
Alberta	-	-		-	-		1,127	67.4	62.9 - 71.6
British Columbia	-	-		-	-		1,246	72.4	68.8 - 75.7
Manitoba	-	-		-	-		342	62.4	54.3 - 69.5
New Brunswick	-	-		-	-		208	64.4	55.4 - 72.1
Newfoundland and Labrador	-	-		-	-		203	72.0	63.7 - 78.7 *
Ontario	-	-		-	-		3,928	67.2	65.0 - 69.3
Prince Edward Island	-	-		-	-		48	-	
Saskatchewan	-	-		-	-		327	68.2	61.3 - 74.1 *
NAACCR N.A. Combined	-	-		-	-		88,024	61.8	61.3 - 62.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Corpus & Uterus, NOS**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		333,394	77.8	77.5 - 78.1
Alabama	-	-		-	-		4,325	72.9	70.3 - 75.2
Alaska	-	-		-	-		646	81.8	73.3 - 87.8
Arizona	-	-		-	-		6,520	79.1	77.0 - 80.9
Arkansas	-	-		-	-		3,030	75.4	72.3 - 78.2
California	-	-		-	-		39,724	77.2	76.3 - 77.9
CA - Greater California	-	-		-	-		21,291	77.1	76.0 - 78.2
CA - Greater Bay Area	-	-		-	-		7,919	78.5	76.8 - 80.1
CA - Los Angeles	-	-		-	-		10,475	75.2	73.7 - 76.6
Colorado	-	-		-	-		4,887	80.9	78.7 - 82.9
Connecticut	-	-		-	-		5,034	80.5	78.5 - 82.3
Delaware	-	-		-	-		1,375	79.0	75.1 - 82.4
Florida	-	-		-	-		23,452	76.3	75.3 - 77.3
Georgia	-	-		-	-		9,578	73.1	71.2 - 74.8
Hawaii	-	-		-	-		1,884	74.4	70.0 - 78.3
Idaho	-	-		-	-		1,684	72.4	67.9 - 76.3
Illinois	-	-		-	-		16,555	76.8	75.5 - 78.0
Iowa	-	-		-	-		4,284	81.8	79.4 - 84.0
Kansas	-	-		-	-		3,134	80.7	77.5 - 83.5
Kentucky	-	-		-	-		5,249	78.9	76.2 - 81.4
Louisiana	-	-		-	-		3,981	71.1	68.3 - 73.7
Maine	-	-		-	-		2,208	81.8	78.8 - 84.5
Maryland	-	-		-	-		7,311	73.1	71.1 - 75.0
MI - Detroit	-	-		-	-		5,437	75.6	73.5 - 77.6
Minnesota	-	-		-	-		7,217	82.1	80.2 - 83.9
Mississippi	-	-		-	-		2,795	69.8	66.4 - 72.9
Missouri	-	-		-	-		7,309	79.1	77.2 - 80.8
Montana	-	-		-	-		1,263	79.0	73.8 - 83.3
Nebraska	-	-		-	-		2,175	78.9	75.6 - 81.7
New Hampshire	-	-		-	-		2,060	81.3	77.4 - 84.6
New Jersey	-	-		-	-		12,904	77.2	75.9 - 78.5
New Mexico	-	-		-	-		2,176	79.3	76.0 - 82.1
New York	-	-		-	-		28,218	75.9	75.0 - 76.8
North Carolina	-	-		-	-		11,204	78.7	77.1 - 80.1
North Dakota	-	-		-	-		783	77.9	72.2 - 82.5
Ohio	-	-		-	-		16,056	78.7	77.3 - 79.9
Oklahoma	-	-		-	-		3,636	76.6	73.4 - 79.5
Oregon	-	-		-	-		5,121	83.3	80.7 - 85.6
Pennsylvania	-	-		-	-		20,045	79.5	78.4 - 80.6
Rhode Island	-	-		-	-		1,527	78.6	74.7 - 81.9
South Carolina	-	-		-	-		5,246	73.4	71.2 - 75.5
South Dakota	-	-		-	-		1,015	78.8	73.7 - 83.1
Tennessee	-	-		-	-		7,044	79.5	77.6 - 81.3
Texas	-	-		-	-		22,294	76.8	75.6 - 77.9
Utah	-	-		-	-		2,442	75.2	71.7 - 78.2
Vermont	-	-		-	-		1,060	82.2	77.5 - 86.1
Washington	-	-		-	-		7,903	82.7	80.9 - 84.3
WA - Seattle	-	-		-	-		5,587	82.2	80.0 - 84.1
West Virginia	-	-		-	-		2,840	83.1	80.3 - 85.5
Wisconsin	-	-		-	-		8,211	80.9	79.1 - 82.5
Wyoming	-	-		-	-		552	79.2	71.5 - 84.9
NAACCR CDN Combined	-	-		-	-		32,307	80.2	79.4 - 80.9
Alberta	-	-		-	-		4,117	80.3	77.9 - 82.5
British Columbia	-	-		-	-		5,345	80.9	78.8 - 82.7
Manitoba	-	-		-	-		1,860	81.1	77.9 - 83.9
New Brunswick	-	-		-	-		1,005	78.8	74.2 - 82.7
Newfoundland and Labrador	-	-		-	-		802	80.3	75.1 - 84.6
Ontario	-	-		-	-		17,809	79.3	78.3 - 80.2
Prince Edward Island	-	-		-	-		165	72.4	61.1 - 80.9
Saskatchewan	-	-		-	-		1,204	82.6	78.6 - 85.9
NAACCR N.A. Combined	-	-		-	-		365,701	78.0	77.8 - 78.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-14 Survival – Corpus & Uterus, NOS

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Ovary

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		131,699	44.2	43.8 - 44.6
Alabama	-	-		-	-		2,373	42.5	39.5 - 45.4
Alaska	-	-		-	-		258	47.0	37.6 - 55.8
Arizona	-	-		-	-		2,939	43.8	41.3 - 46.3
Arkansas	-	-		-	-		1,320	41.1	37.4 - 44.9
California	-	-		-	-		16,922	44.5	43.4 - 45.6
CA - Greater California	-	-		-	-		9,064	43.3	41.8 - 44.8
CA - Greater Bay Area	-	-		-	-		3,244	46.1	43.7 - 48.6
CA - Los Angeles	-	-		-	-		4,587	45.4	43.1 - 47.6
Colorado	-	-		-	-		2,102	46.0	42.9 - 49.0
Connecticut	-	-		-	-		1,809	47.4	44.0 - 50.6
Delaware	-	-		-	-		470	43.9	37.2 - 50.4
Florida	-	-		-	-		10,533	43.7	42.3 - 45.0
Georgia	-	-		-	-		4,259	40.9	38.7 - 43.2
Hawaii	-	-		-	-		543	47.0	40.1 - 53.5
Idaho	-	-		-	-		697	36.3	31.5 - 41.1
Illinois	-	-		-	-		5,889	44.5	42.7 - 46.3
Iowa	-	-		-	-		1,465	43.5	40.1 - 46.9
Kansas	-	-		-	-		1,278	46.7	42.7 - 50.6
Kentucky	-	-		-	-		1,894	41.1	37.9 - 44.2
Louisiana	-	-		-	-		1,749	39.2	35.9 - 42.5
Maine	-	-		-	-		616	49.3	43.9 - 54.6
Maryland	-	-		-	-		2,715	42.9	40.4 - 45.5
MI - Detroit	-	-		-	-		2,075	44.0	41.0 - 47.0
Minnesota	-	-		-	-		2,302	49.3	46.2 - 52.3
Mississippi	-	-		-	-		1,186	41.7	37.6 - 45.7
Missouri	-	-		-	-		2,557	43.9	41.2 - 46.6
Montana	-	-		-	-		494	52.4	46.0 - 58.3
Nebraska	-	-		-	-		767	45.2	40.0 - 50.3
New Hampshire	-	-		-	-		639	44.0	38.8 - 49.1
New Jersey	-	-		-	-		4,700	45.6	43.6 - 47.6
New Mexico	-	-		-	-		1,031	38.4	34.2 - 42.6
New York	-	-		-	-		10,324	44.9	43.5 - 46.3
North Carolina	-	-		-	-		4,495	44.2	42.1 - 46.3
North Dakota	-	-		-	-		273	42.9	34.6 - 50.9
Ohio	-	-		-	-		5,442	43.9	42.0 - 45.8
Oklahoma	-	-		-	-		1,807	41.9	38.6 - 45.1
Oregon	-	-		-	-		1,993	42.0	38.8 - 45.2
Pennsylvania	-	-		-	-		6,910	45.8	44.1 - 47.4
Rhode Island	-	-		-	-		496	46.8	40.8 - 52.7
South Carolina	-	-		-	-		2,004	43.1	40.0 - 46.1
South Dakota	-	-		-	-		387	51.7	43.5 - 59.2
Tennessee	-	-		-	-		2,993	39.3	36.8 - 41.8
Texas	-	-		-	-		10,272	44.0	42.6 - 45.5
Utah	-	-		-	-		1,026	40.6	36.5 - 44.6
Vermont	-	-		-	-		304	48.4	40.7 - 55.7
Washington	-	-		-	-		3,196	46.2	43.6 - 48.6
WA - Seattle	-	-		-	-		2,288	45.0	42.0 - 47.9
West Virginia	-	-		-	-		1,075	40.9	36.8 - 44.9
Wisconsin	-	-		-	-		2,863	46.6	44.0 - 49.1
Wyoming	-	-		-	-		257	42.0	33.0 - 50.7
NAACCR CDN Combined	-	-		-	-		13,785	39.9	38.8 - 41.1
Alberta	-	-		-	-		1,476	39.6	36.1 - 43.1
British Columbia	-	-		-	-		2,388	38.9	36.1 - 41.6
Manitoba	-	-		-	-		591	39.4	34.4 - 44.4
New Brunswick	-	-		-	-		397	34.9	28.7 - 41.1
Newfoundland and Labrador	-	-		-	-		277	39.6	32.2 - 47.0
Ontario	-	-		-	-		8,063	40.6	39.1 - 42.1
Prince Edward Island	-	-		-	-		71	32.5	18.2 - 47.7*
Saskatchewan	-	-		-	-		522	38.5	32.9 - 44.1
NAACCR N.A. Combined	-	-		-	-		145,484	43.8	43.4 - 44.1

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Prostate

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		1,242,807	95.4	95.3 - 95.6	-	-	
Alabama	-	-		24,451	95.3	94.4 - 96.0	-	-	
Alaska	-	-		2,172	92.8	88.1 - 95.7	-	-	
Arizona	-	-		21,998	91.6	90.7 - 92.4	-	-	
Arkansas	-	-		14,254	97.0	95.5 - 98.0	-	-	
California	-	-		135,011	94.3	93.9 - 94.7	-	-	
CA - Greater California	-	-		76,168	93.4	92.9 - 93.9	-	-	
CA - Greater Bay Area	-	-		27,083	95.5	94.8 - 96.2	-	-	
CA - Los Angeles	-	-		31,690	94.7	94.0 - 95.4	-	-	
Colorado	-	-		19,532	94.8	93.6 - 95.8	-	-	
Connecticut	-	-		17,195	94.1	93.0 - 95.1	-	-	
Delaware	-	-		5,360	93.9	91.7 - 95.5	-	-	
Florida	-	-		96,693	94.8	94.3 - 95.2	-	-	
Georgia	-	-		44,642	94.4	93.4 - 95.2	-	-	
Hawaii	-	-		5,254	93.1	91.1 - 94.7	-	-	
Idaho	-	-		7,229	92.8	90.9 - 94.3	-	-	
Illinois	-	-		55,913	95.5	94.8 - 96.0	-	-	
Iowa	-	-		14,478	93.6	92.3 - 94.7	-	-	
Kansas	-	-		13,237	98.5	97.7 - 99.1	-	-	
Kentucky	-	-		19,116	94.4	93.1 - 95.5	-	-	
Louisiana	-	-		23,991	96.8	95.5 - 97.7	-	-	
Maine	-	-		6,186	94.2	92.0 - 95.9	-	-	
Maryland	-	-		28,817	96.4	95.3 - 97.2	-	-	
MI - Detroit	-	-		21,179	96.5	95.5 - 97.3	-	-	
Minnesota	-	-		24,952	94.8	93.9 - 95.6	-	-	
Mississippi	-	-		15,248	96.0	94.4 - 97.2	-	-	
Missouri	-	-		24,385	94.6	93.6 - 95.4	-	-	
Montana	-	-		5,605	91.9	89.6 - 93.8	-	-	
Nebraska	-	-		8,700	96.5	94.8 - 97.6	-	-	
New Hampshire	-	-		7,098	94.5	92.3 - 96.0	-	-	
New Jersey	-	-		47,609	96.8	96.1 - 97.3	-	-	
New Mexico	-	-		7,139	90.6	88.8 - 92.1	-	-	
New York	-	-		99,032	94.3	93.8 - 94.7	-	-	
North Carolina	-	-		47,765	95.9	95.2 - 96.5	-	-	
North Dakota	-	-		3,489	96.9	94.5 - 98.2	-	-	
Ohio	-	-		52,334	96.7	96.1 - 97.1	-	-	
Oklahoma	-	-		14,893	96.3	95.1 - 97.2	-	-	
Oregon	-	-		16,747	95.7	94.8 - 96.4	-	-	
Pennsylvania	-	-		61,463	96.4	95.8 - 96.9	-	-	
Rhode Island	-	-		4,450	94.7	92.4 - 96.3	-	-	
South Carolina	-	-		24,069	94.5	93.3 - 95.5	-	-	
South Dakota	-	-		4,175	96.7	94.8 - 97.9	-	-	
Tennessee	-	-		30,679	97.2	96.3 - 97.9	-	-	
Texas	-	-		85,325	94.1	93.5 - 94.6	-	-	
Utah	-	-		10,114	95.0	93.8 - 95.9	-	-	
Vermont	-	-		2,733	93.5	90.3 - 95.7	-	-	
Washington	-	-		29,276	95.0	94.1 - 95.7	-	-	
WA - Seattle	-	-		21,381	95.1	94.1 - 95.9	-	-	
West Virginia	-	-		8,468	96.3	94.5 - 97.5	-	-	
Wisconsin	-	-		27,673	94.6	93.6 - 95.4	-	-	
Wyoming	-	-		2,678	94.9	91.4 - 97.0	-	-	
NAACCR CDN Combined	-	-		113,173	91.8	91.4 - 92.2	-	-	
Alberta	-	-		16,434	91.2	90.0 - 92.2	-	-	
British Columbia	-	-		20,844	91.5	90.6 - 92.3	-	-	
Manitoba	-	-		4,835	89.7	87.6 - 91.4	-	-	
New Brunswick	-	-		3,934	90.9	88.6 - 92.8	-	-	
Newfoundland and Labrador	-	-		3,025	90.8	87.8 - 93.1	-	-	
Ontario	-	-		58,589	92.4	91.9 - 92.9	-	-	
Prince Edward Island	-	-		775	89.2	83.5 - 93.0	-	-	
Saskatchewan	-	-		4,737	87.7	85.9 - 89.4	-	-	
NAACCR N.A. Combined	-	-		1,355,980	95.1	94.9 - 95.2	-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-16 Survival – Prostate

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Testis**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		53,731	91.6	90.5 - 92.6	-	-	
Alabama	-	-		644	81.9	77.1 - 85.8	-	-	
Alaska	-	-		172	92.9	86.2 - 96.4*	-	-	
Arizona	-	-		1,209	88.9	82.1 - 93.3	-	-	
Arkansas	-	-		471	94.0	89.8 - 96.5*	-	-	
California	-	-		8,041	88.0	85.0 - 90.5	-	-	
CA - Greater California	-	-		4,466	86.6	82.8 - 89.6	-	-	
CA - Greater Bay Area	-	-		1,528	91.7	86.8 - 94.8	-	-	
CA - Los Angeles	-	-		2,027	93.6	91.9 - 95.0*	-	-	
Colorado	-	-		1,063	95.5	93.5 - 96.9*	-	-	
Connecticut	-	-		738	97.4	95.1 - 98.6*	-	-	
Delaware	-	-		151	82.5	76.5 - 87.0	-	-	
Florida	-	-		2,992	88.6	83.9 - 92.0	-	-	
Georgia	-	-		1,395	82.2	79.4 - 84.6	-	-	
Hawaii	-	-		269	95.5	90.5 - 97.9*	-	-	
Idaho	-	-		363	95.0	88.3 - 97.9	-	-	
Illinois	-	-		2,576	91.4	86.4 - 94.6	-	-	
Iowa	-	-		698	85.8	76.8 - 91.5	-	-	
Kansas	-	-		604	96.3	93.8 - 97.8*	-	-	
Kentucky	-	-		793	93.4	90.5 - 95.4*	-	-	
Louisiana	-	-		694	95.6	92.6 - 97.4*	-	-	
Maine	-	-		277	92.6	87.5 - 95.7*	-	-	
Maryland	-	-		899	94.4	87.7 - 97.5	-	-	
MI - Detroit	-	-		684	95.3	92.2 - 97.2*	-	-	
Minnesota	-	-		1,262	95.6	89.2 - 98.2	-	-	
Mississippi	-	-		369	94.0	89.9 - 96.4*	-	-	
Missouri	-	-		1,037	88.8	79.4 - 94.0	-	-	
Montana	-	-		230	92.9	84.1 - 96.9	-	-	
Nebraska	-	-		435	87.1	77.6 - 92.8	-	-	
New Hampshire	-	-		313	97.1	92.5 - 98.9*	-	-	
New Jersey	-	-		1,734	89.3	81.5 - 93.9	-	-	
New Mexico	-	-		436	92.7	88.5 - 95.4*	-	-	
New York	-	-		3,895	92.7	89.6 - 95.0	-	-	
North Carolina	-	-		1,638	95.1	93.3 - 96.4*	-	-	
North Dakota	-	-		173	80.6	72.7 - 86.4	-	-	
Ohio	-	-		2,102	89.7	85.2 - 92.9	-	-	
Oklahoma	-	-		676	90.4	79.3 - 95.7	-	-	
Oregon	-	-		907	93.8	86.6 - 97.2	-	-	
Pennsylvania	-	-		2,640	93.2	90.4 - 95.2	-	-	
Rhode Island	-	-		225	99.2	96.3 - 99.8*	-	-	
South Carolina	-	-		667	94.3	91.2 - 96.4*	-	-	
South Dakota	-	-		161	79.6	78.6 - 80.6	-	-	
Tennessee	-	-		1,122	94.6	92.6 - 96.1*	-	-	
Texas	-	-		4,729	87.7	83.9 - 90.7	-	-	
Utah	-	-		716	94.9	89.2 - 97.6	-	-	
Vermont	-	-		140	95.6	87.4 - 98.5*	-	-	
Washington	-	-		1,617	89.9	79.4 - 95.2	-	-	
WA - Seattle	-	-		1,208	90.5	75.4 - 96.5	-	-	
West Virginia	-	-		319	93.7	89.0 - 96.4*	-	-	
Wisconsin	-	-		1,304	94.2	89.7 - 96.8	-	-	
Wyoming	-	-		151	97.6	90.5 - 99.4*	-	-	
NAACCR CDN Combined	-	-		5,517	92.6	88.6 - 95.2	-	-	
Alberta	-	-		968	97.4	95.0 - 98.7*	-	-	
British Columbia	-	-		991	91.7	83.0 - 96.0	-	-	
Manitoba	-	-		263	95.3	90.8 - 97.6*	-	-	
New Brunswick	-	-		137	97.1	91.6 - 99.0*	-	-	
Newfoundland and Labrador	-	-		66	80.5	69.7 - 87.8	-	-	
Ontario	-	-		2,843	92.2	87.0 - 95.3	-	-	
Prince Edward Island	-	-		19	88.6	60.6 - 97.1*	-	-	
Saskatchewan	-	-		230	94.0	87.5 - 97.2*	-	-	
NAACCR N.A. Combined	-	-		59,248	91.8	90.7 - 92.7	-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Urinary Bladder (incl. in situ)

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	453,724	76.8	76.6 - 77.0	345,628	77.9	77.7 - 78.2	108,096	73.4	73.0 - 73.8
Alabama	7,280	74.1	72.2 - 75.9	5,608	75.0	72.7 - 77.1	1,672	71.1	67.4 - 74.5
Alaska	888	75.5	68.2 - 81.4	682	78.0	70.9 - 83.6	206	72.3	63.7 - 79.1 *
Arizona	10,524	75.3	73.8 - 76.7	8,200	75.4	73.7 - 77.0	2,324	74.6	71.9 - 77.2
Arkansas	4,813	74.8	72.4 - 77.0	3,796	75.6	72.8 - 78.1	1,017	71.9	67.2 - 76.1
California	46,352	76.4	75.7 - 77.0	35,672	77.5	76.7 - 78.2	10,680	72.8	71.5 - 74.1
CA - Greater California	27,030	74.8	73.9 - 75.6	20,914	75.7	74.6 - 76.7	6,116	71.6	69.8 - 73.3
CA - Greater Bay Area	8,890	80.1	78.6 - 81.4	6,780	80.2	78.5 - 81.8	2,110	79.0	76.3 - 81.4
CA - Los Angeles	10,405	77.0	75.6 - 78.4	7,955	79.1	77.5 - 80.6	2,450	70.0	67.1 - 72.7
Colorado	6,941	79.0	77.3 - 80.5	5,360	79.9	78.0 - 81.7	1,581	75.7	72.3 - 78.8
Connecticut	7,940	77.8	76.2 - 79.3	5,927	78.9	77.0 - 80.7	2,013	74.2	71.1 - 77.1
Delaware	1,942	76.0	72.4 - 79.2	1,479	76.4	71.3 - 80.8	463	69.2	62.5 - 75.0
Florida	39,332	75.4	74.6 - 76.2	30,263	76.1	75.2 - 76.9	9,069	73.3	71.8 - 74.8
Georgia	12,283	72.7	71.2 - 74.1	9,358	74.9	73.1 - 76.5	2,925	65.8	63.0 - 68.4
Hawaii	1,672	73.6	69.7 - 77.0	1,299	75.2	71.0 - 78.9	373	67.0	60.8 - 72.5
Idaho	2,678	78.9	75.9 - 81.5	2,102	79.4	76.1 - 82.4	576	76.0	69.8 - 81.1
Illinois	20,818	77.3	76.4 - 78.3	15,623	78.7	77.5 - 79.8	5,195	73.6	71.7 - 75.3
Iowa	5,705	76.5	74.5 - 78.3	4,427	76.5	74.2 - 78.7	1,278	75.3	71.7 - 78.4
Kansas	4,929	80.0	77.9 - 81.9	3,786	80.9	78.4 - 83.1	1,143	77.2	73.1 - 80.8
Kentucky	7,955	75.6	73.9 - 77.2	6,012	76.7	74.7 - 78.6	1,943	71.5	68.1 - 74.7
Louisiana	6,442	76.6	74.6 - 78.4	4,969	78.8	76.7 - 80.8	1,473	68.2	64.3 - 71.7
Maine	3,517	78.7	76.2 - 81.0	2,685	79.4	76.4 - 82.0	832	76.1	71.4 - 80.1
Maryland	8,788	77.5	75.9 - 79.0	6,576	79.7	77.9 - 81.4	2,212	70.9	67.7 - 73.8
MI - Detroit	7,199	76.1	74.4 - 77.7	5,374	77.6	75.6 - 79.5	1,825	71.8	68.5 - 74.8
Minnesota	9,351	79.3	77.8 - 80.7	7,146	80.1	78.3 - 81.8	2,205	76.6	73.6 - 79.3
Mississippi	4,018	74.4	71.8 - 76.9	3,083	77.7	74.7 - 80.3	935	64.6	59.4 - 69.3
Missouri	9,869	75.6	74.0 - 77.1	7,509	76.8	75.0 - 78.5	2,360	71.5	68.4 - 74.4
Montana	2,061	75.8	72.2 - 79.0	1,559	75.6	71.2 - 79.4	502	72.0	65.1 - 77.7
Nebraska	3,089	77.4	74.6 - 79.8	2,363	77.1	73.8 - 80.0	726	77.9	72.9 - 82.1
New Hampshire	3,204	78.4	75.8 - 80.8	2,429	79.2	76.1 - 81.9	775	75.1	70.1 - 79.4
New Jersey	16,790	77.2	76.0 - 78.2	12,448	78.3	77.0 - 79.6	4,342	73.5	71.4 - 75.5
New Mexico	2,504	71.8	68.4 - 74.9	1,924	74.2	70.3 - 77.8	580	65.0	58.4 - 70.9
New York	36,474	78.1	77.4 - 78.8	27,102	79.1	78.2 - 79.9	9,372	75.4	74.0 - 76.7
North Carolina	15,735	77.0	75.8 - 78.2	11,818	78.3	76.9 - 79.7	3,917	73.0	70.8 - 75.2
North Dakota	1,197	80.9	76.8 - 84.4	941	80.5	75.4 - 84.6	256	79.4	72.3 - 84.8
Ohio	21,195	77.0	75.9 - 78.0	16,138	78.3	77.1 - 79.5	5,057	72.8	70.7 - 74.8
Oklahoma	5,717	75.0	72.9 - 76.9	4,440	75.9	73.5 - 78.1	1,277	71.0	66.8 - 74.7
Oregon	7,267	81.1	79.3 - 82.7	5,622	81.9	79.8 - 83.8	1,645	77.9	74.2 - 81.2
Pennsylvania	27,836	78.6	77.7 - 79.5	20,941	79.8	78.8 - 80.8	6,895	75.0	73.3 - 76.5
Rhode Island	2,434	82.4	79.4 - 85.0	1,805	83.2	79.5 - 86.3	629	79.9	74.6 - 84.3
South Carolina	7,526	76.3	74.6 - 78.0	5,683	78.9	76.9 - 80.8	1,843	68.3	64.8 - 71.6
South Dakota	1,441	77.0	72.9 - 80.6	1,088	77.5	72.7 - 81.6	353	75.0	67.9 - 80.8
Tennessee	10,349	76.3	74.8 - 77.8	7,890	77.3	75.5 - 79.0	2,459	72.6	69.8 - 75.1
Texas	26,083	74.7	73.8 - 75.7	20,188	75.6	74.5 - 76.7	5,895	71.5	69.7 - 73.2
Utah	2,741	77.2	74.4 - 79.7	2,225	77.6	74.4 - 80.4	516	75.5	69.8 - 80.2
Vermont	1,331	76.3	71.5 - 80.3	996	78.7	74.1 - 82.6	335	66.1	59.1 - 72.2
Washington	11,489	77.2	75.8 - 78.5	8,833	78.0	76.4 - 79.6	2,656	74.2	71.6 - 76.6
WA - Seattle	7,965	77.3	75.7 - 78.9	6,114	78.0	76.0 - 79.8	1,851	74.8	71.7 - 77.7
West Virginia	4,004	73.1	70.5 - 75.5	3,037	73.9	70.9 - 76.7	967	70.9	66.0 - 75.2
Wisconsin	11,061	79.1	77.7 - 80.4	8,480	80.0	78.4 - 81.6	2,581	75.8	73.0 - 78.4
Wyoming	960	78.6	73.5 - 82.9	742	79.3	73.4 - 83.9	218	74.5	64.9 - 81.8
NAACCR CDN Combined	48,531	78.7	78.1 - 79.3	36,971	79.1	78.4 - 79.8	11,560	77.4	76.3 - 78.5
Alberta	5,928	80.2	78.5 - 81.8	4,590	80.9	78.8 - 82.7	1,338	77.2	74.0 - 80.1
British Columbia	9,323	77.6	76.2 - 79.0	7,198	77.2	75.5 - 78.8	2,125	78.8	76.1 - 81.1
Manitoba	2,016	73.6	70.1 - 76.8	1,509	73.8	69.4 - 77.6	507	68.9	62.3 - 74.7 *
New Brunswick	1,726	77.9	74.3 - 81.0	1,312	77.5	73.2 - 81.2	414	76.6	70.2 - 81.8
Newfoundland and Labrador	1,106	81.4	77.1 - 85.0	823	80.2	74.9 - 84.5	283	80.5	72.3 - 86.5 *
Ontario	26,181	79.2	78.4 - 80.0	19,870	79.8	78.8 - 80.8	6,311	77.2	75.5 - 78.7
Prince Edward Island	306	69.0	59.6 - 76.7	219	71.5	61.3 - 79.5	87	64.2	46.0 - 77.6
Saskatchewan	1,945	76.0	72.7 - 78.9	1,450	76.9	73.1 - 80.2	495	72.3	65.7 - 77.9
NAACCR N.A. Combined	502,255	77.0	76.8 - 77.2	382,599	78.1	77.8 - 78.3	119,656	73.8	73.4 - 74.2

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-18 Survival – Urinary Bladder (incl. in situ)

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Kidney & Renal Pelvis**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	370,370	73.1	72.9 - 73.4	233,591	72.7	72.3 - 73.0	136,779	74.1	73.7 - 74.5
Alabama	6,813	72.6	70.6 - 74.5	4,229	71.5	69.0 - 73.8	2,584	74.0	70.8 - 76.9
Alaska	811	73.1	66.5 - 78.6	523	71.4	65.1 - 76.9	288	73.0	62.2 - 81.2
Arizona	8,362	73.6	71.9 - 75.2	5,333	72.5	70.3 - 74.5	3,029	75.2	72.7 - 77.5
Arkansas	4,547	73.1	70.4 - 75.5	2,854	71.7	69.0 - 74.3	1,693	74.0	69.9 - 77.6
California	40,193	71.9	71.1 - 72.6	25,745	71.7	70.7 - 72.6	14,448	72.4	71.2 - 73.6
CA - Greater California	23,381	70.8	69.8 - 71.8	14,948	70.7	69.3 - 72.0	8,433	71.1	69.6 - 72.6
CA - Greater Bay Area	7,145	73.0	71.3 - 74.7	4,673	73.0	70.7 - 75.1	2,472	73.3	70.5 - 75.8
CA - Los Angeles	9,557	73.5	71.9 - 75.0	6,060	72.9	70.8 - 74.8	3,497	74.5	72.1 - 76.8
Colorado	5,297	72.2	70.1 - 74.2	3,321	72.1	69.1 - 74.8	1,976	72.6	69.5 - 75.5
Connecticut	4,655	73.7	71.4 - 75.8	3,031	74.0	71.0 - 76.7	1,624	72.3	68.7 - 75.6
Delaware	1,317	71.6	67.1 - 75.6	852	72.8	67.3 - 77.6	465	67.5	59.7 - 74.1
Florida	26,010	72.0	71.1 - 72.9	16,680	71.1	69.9 - 72.3	9,330	73.6	72.2 - 75.0
Georgia	11,807	70.5	68.9 - 72.1	7,380	68.4	66.2 - 70.5	4,427	73.8	71.4 - 76.1
Hawaii	1,549	72.1	68.4 - 75.4	1,030	72.9	68.4 - 76.9	519	69.6	63.0 - 75.3
Idaho	1,994	72.2	68.7 - 75.4	1,278	72.8	68.7 - 76.5	716	70.2	64.3 - 75.3
Illinois	17,384	73.3	72.1 - 74.4	10,914	73.5	71.9 - 75.1	6,470	73.3	71.5 - 75.0
Iowa	4,639	69.0	66.7 - 71.2	2,960	67.8	64.8 - 70.7	1,679	70.7	67.2 - 73.9
Kansas	4,111	77.3	75.0 - 79.4	2,563	76.3	73.4 - 79.0	1,548	78.6	75.2 - 81.6
Kentucky	7,189	70.7	68.9 - 72.5	4,429	69.2	66.6 - 71.6	2,760	73.0	70.1 - 75.7
Louisiana	7,590	72.6	70.8 - 74.3	4,657	71.9	69.2 - 74.4	2,933	73.6	70.9 - 76.1
Maine	2,029	71.3	67.7 - 74.7	1,256	68.0	63.1 - 72.4	773	75.1	70.6 - 78.9
Maryland	6,822	75.5	73.6 - 77.3	4,202	75.1	72.4 - 77.5	2,620	76.8	73.9 - 79.4
MI - Detroit	5,425	72.5	70.5 - 74.5	3,411	71.7	68.9 - 74.4	2,014	73.8	70.6 - 76.7
Minnesota	6,897	74.5	72.6 - 76.3	4,560	74.4	71.9 - 76.7	2,337	74.7	71.7 - 77.3
Mississippi	4,832	74.9	72.3 - 77.2	2,926	73.1	69.4 - 76.4	1,906	76.3	72.9 - 79.2
Missouri	8,976	73.0	71.3 - 74.6	5,520	72.9	70.5 - 75.1	3,456	73.2	70.7 - 75.5
Montana	1,403	71.1	66.6 - 75.2	901	67.6	61.9 - 72.7	502	75.7	68.4 - 81.6
Nebraska	2,469	70.3	67.1 - 73.3	1,607	68.6	64.3 - 72.5	862	73.5	68.7 - 77.6
New Hampshire	1,734	75.1	71.5 - 78.3	1,116	75.9	71.5 - 79.8	618	73.5	67.6 - 78.5
New Jersey	11,377	74.7	73.3 - 76.1	7,237	74.1	72.2 - 75.9	4,140	75.9	73.7 - 77.9
New Mexico	2,439	69.6	66.7 - 72.4	1,497	67.8	63.8 - 71.4	942	72.0	67.7 - 75.9
New York	25,589	74.9	73.9 - 75.8	16,402	74.3	73.1 - 75.5	9,187	75.9	74.5 - 77.3
North Carolina	13,372	74.1	72.7 - 75.5	8,303	73.7	71.7 - 75.6	5,069	75.0	72.9 - 77.0
North Dakota	970	72.6	68.2 - 76.5	634	71.3	65.4 - 76.4	336	74.3	68.0 - 79.6
Ohio	15,903	75.0	73.8 - 76.2	9,785	74.2	72.5 - 75.8	6,118	76.2	74.3 - 77.9
Oklahoma	5,639	68.9	66.5 - 71.1	3,427	67.8	64.7 - 70.7	2,212	70.1	66.7 - 73.2
Oregon	5,036	76.4	74.1 - 78.4	3,255	77.0	74.3 - 79.5	1,781	75.1	71.6 - 78.2
Pennsylvania	18,704	74.6	73.5 - 75.7	11,778	75.1	73.6 - 76.5	6,926	74.0	72.3 - 75.6
Rhode Island	1,393	75.6	71.7 - 79.1	861	76.6	71.4 - 81.0	532	73.4	67.4 - 78.5
South Carolina	6,774	73.2	71.2 - 75.2	4,253	72.5	69.7 - 75.0	2,521	74.6	71.3 - 77.6
South Dakota	1,123	72.1	67.6 - 76.1	727	72.9	67.1 - 77.9	396	69.9	62.3 - 76.3
Tennessee	9,581	74.6	72.9 - 76.2	6,001	74.2	72.0 - 76.2	3,580	74.4	72.3 - 76.4
Texas	33,812	72.3	71.4 - 73.2	20,969	70.9	69.7 - 72.1	12,843	74.4	73.0 - 75.7
Utah	2,353	68.4	65.1 - 71.5	1,516	68.4	63.8 - 72.5	837	68.8	63.7 - 73.3
Vermont	794	73.1	67.5 - 77.9	522	74.3	67.4 - 80.0	272	67.8	56.9 - 76.6
Washington	8,305	72.7	71.0 - 74.3	5,293	73.1	70.8 - 75.2	3,012	72.2	69.6 - 74.6
WA - Seattle	5,804	72.5	70.4 - 74.5	3,734	72.7	70.0 - 75.2	2,070	72.2	69.0 - 75.2
West Virginia	3,219	71.0	67.8 - 74.0	1,947	71.6	67.1 - 75.5	1,272	69.9	65.2 - 74.2
Wisconsin	8,472	74.7	73.0 - 76.3	5,484	75.5	73.2 - 77.6	2,988	73.8	71.2 - 76.2
Wyoming	660	74.6	69.0 - 79.4	422	72.6	65.6 - 78.5	238	75.2	65.0 - 82.8
NAACCR CDN Combined	29,917	69.5	68.7 - 70.3	19,389	69.0	67.9 - 70.1	10,528	70.6	69.3 - 71.8
Alberta	4,077	69.8	67.5 - 72.0	2,672	69.7	66.6 - 72.5	1,405	70.0	66.4 - 73.3
British Columbia	4,872	66.5	64.5 - 68.5	3,229	65.2	62.6 - 67.6	1,643	69.5	66.1 - 72.6
Manitoba	1,615	63.9	60.2 - 67.3	1,078	62.4	57.6 - 66.8	537	66.3	60.8 - 71.3
New Brunswick	1,321	69.9	65.9 - 73.6	811	70.1	64.7 - 74.8	510	69.0	63.1 - 74.1
Newfoundland and Labrador	972	67.7	62.6 - 72.1	602	68.0	61.4 - 73.7	370	67.0	59.8 - 73.3
Ontario	15,499	71.5	70.4 - 72.6	10,027	71.0	69.5 - 72.5	5,472	72.6	70.8 - 74.3
Prince Edward Island	196	56.4	43.8 - 67.2 *	123	55.6	40.4 - 68.4 *	73	-	-
Saskatchewan	1,365	62.8	58.9 - 66.4	847	64.1	58.9 - 68.7	518	60.3	54.2 - 65.9
NAACCR N.A. Combined	400,287	72.8	72.6 - 73.1	252,980	72.4	72.0 - 72.7	147,307	73.8	73.5 - 74.2

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Brain & Other Nervous System (invasive)

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	124,322	30.2	29.9 - 30.5	69,837	28.5	28.1 - 28.9	54,485	32.5	32.0 - 32.9
Alabama	2,093	28.2	25.8 - 30.6	1,149	19.9	17.1 - 23.0 *	944	31.1	27.6 - 34.7
Alaska	278	28.6	23.0 - 34.5	160	33.3	24.2 - 42.5 *	118	22.4	15.2 - 30.5
Arizona	2,779	31.7	29.5 - 33.8	1,559	30.1	27.2 - 33.0	1,220	33.7	30.5 - 36.9
Arkansas	1,312	29.7	26.8 - 32.7	761	29.8	26.0 - 33.7	551	24.0	19.5 - 28.7 *
California	14,720	29.7	28.8 - 30.6	8,378	28.2	27.0 - 29.5	6,342	31.6	30.2 - 33.0
CA - Greater California	8,462	29.1	27.8 - 30.3	4,797	27.5	25.9 - 29.1	3,665	31.2	29.3 - 33.1
CA - Greater Bay Area	2,877	31.5	29.5 - 33.5	1,681	30.7	27.9 - 33.4	1,196	32.5	29.5 - 35.6
CA - Los Angeles	3,360	29.5	27.5 - 31.5	1,892	27.7	25.2 - 30.3	1,468	31.5	28.4 - 34.6
Colorado	2,162	27.7	25.3 - 30.1 *	1,240	27.6	24.4 - 30.9 *	922	27.7	24.1 - 31.4 *
Connecticut	1,786	28.4	25.8 - 31.1	1,003	25.8	22.4 - 29.4	783	31.6	27.7 - 35.7
Delaware	420	19.3	14.5 - 24.5 *	219	17.5	11.3 - 24.7 *	201	21.2	14.3 - 29.0 *
Florida	9,476	31.4	30.2 - 32.5	5,312	29.6	28.1 - 31.1	4,164	33.7	32.0 - 35.5
Georgia	3,798	28.2	26.5 - 30.0	2,090	26.0	23.8 - 28.3	1,708	27.6	24.9 - 30.3 *
Hawaii	408	23.0	18.2 - 28.2 *	221	22.2	16.0 - 29.1 *	187	24.1	16.9 - 32.1 *
Idaho	757	21.7	17.8 - 25.8 *	469	19.9	15.3 - 24.8 *	288	24.3	17.4 - 31.9 *
Illinois	5,409	31.0	29.6 - 32.5	3,013	28.9	27.0 - 30.9	2,396	33.7	31.4 - 35.9
Iowa	1,573	26.2	23.5 - 29.0	868	22.5	19.0 - 26.3	705	30.8	26.8 - 34.9
Kansas	1,298	32.1	29.1 - 35.2	738	31.0	27.2 - 34.8	560	34.0	29.0 - 39.1
Kentucky	2,247	27.8	25.5 - 30.2	1,250	26.0	23.1 - 28.9	997	30.0	26.2 - 33.8
Louisiana	1,785	28.4	26.0 - 30.9	1,017	26.7	23.7 - 29.8	768	30.3	26.3 - 34.3
Maine	762	31.6	27.5 - 35.7	430	29.8	24.3 - 35.5	332	33.0	27.8 - 38.3
Maryland	2,365	30.6	28.5 - 32.8	1,321	27.6	24.8 - 30.4	1,044	34.8	31.6 - 37.9
MI - Detroit	1,692	28.5	26.0 - 31.0	959	26.3	23.1 - 29.5	733	26.4	22.5 - 30.4 *
Minnesota	2,556	30.1	28.1 - 32.1	1,453	26.4	23.7 - 29.1	1,103	34.9	31.9 - 37.9
Mississippi	1,232	28.9	25.9 - 32.0	680	28.7	24.8 - 32.7	552	29.0	24.3 - 33.8
Missouri	2,748	30.5	28.5 - 32.5	1,508	27.8	25.0 - 30.6	1,240	33.7	30.8 - 36.7
Montana	570	24.6	20.4 - 29.1 *	331	22.9	17.4 - 28.8 *	239	31.7	26.2 - 37.4
Nebraska	882	30.2	26.6 - 33.9	512	29.8	25.4 - 34.3	370	31.1	24.8 - 37.5
New Hampshire	719	32.4	28.4 - 36.5	398	24.4	19.0 - 30.2 *	321	34.1	28.4 - 39.8
New Jersey	4,169	31.3	29.7 - 33.0	2,336	30.0	27.9 - 32.2	1,833	32.9	30.4 - 35.3
New Mexico	771	32.4	28.3 - 36.6	434	31.5	26.8 - 36.4	337	34.0	27.5 - 40.7
New York	8,819	31.0	29.8 - 32.2	4,905	29.3	27.8 - 30.9	3,914	33.0	31.1 - 34.8
North Carolina	4,304	29.4	27.7 - 31.1	2,334	27.6	25.3 - 29.8	1,970	31.5	29.0 - 34.1
North Dakota	314	23.2	16.9 - 30.1 *	194	17.3	9.5 - 27.1 *	120	30.4	21.0 - 40.3 *
Ohio	5,343	29.0	27.6 - 30.5	3,055	27.0	25.1 - 28.9	2,288	31.7	29.5 - 34.0
Oklahoma	1,634	27.8	25.2 - 30.5	887	24.7	21.3 - 28.3	747	31.7	27.8 - 35.7
Oregon	2,027	30.9	28.6 - 33.2	1,165	30.7	27.9 - 33.6	862	31.3	27.7 - 34.9
Pennsylvania	6,348	30.8	29.4 - 32.1	3,602	29.5	27.7 - 31.3	2,746	32.3	30.2 - 34.4
Rhode Island	495	19.4	14.8 - 24.5 *	249	15.2	9.3 - 22.4 *	246	23.6	17.2 - 30.6 *
South Carolina	2,174	26.6	24.2 - 29.1	1,220	24.3	21.0 - 27.7	954	29.5	26.0 - 33.2
South Dakota	427	31.0	26.3 - 35.8	247	28.7	23.0 - 34.6	180	22.0	15.5 - 29.1 *
Tennessee	2,881	27.5	25.5 - 29.5	1,609	25.5	23.0 - 28.1	1,272	30.2	27.2 - 33.3
Texas	9,873	33.6	32.5 - 34.7	5,478	32.1	30.7 - 33.6	4,395	35.4	33.7 - 37.1
Utah	1,124	30.3	27.1 - 33.6	659	28.7	24.7 - 32.8	465	33.8	28.3 - 39.3 *
Vermont	333	21.4	16.0 - 27.4 *	186	24.1	16.7 - 32.3 *	147	17.9	10.5 - 26.8 *
Washington	3,410	30.8	29.1 - 32.6	1,994	29.8	27.5 - 32.2	1,416	32.3	29.5 - 35.0
WA - Seattle	2,439	31.2	29.1 - 33.2	1,404	29.5	26.8 - 32.3	1,035	29.5	26.1 - 33.1 *
West Virginia	949	24.9	21.5 - 28.4 *	523	23.5	19.1 - 28.2 *	426	26.5	21.3 - 31.9 *
Wisconsin	2,835	28.8	26.8 - 30.9	1,581	22.2	19.7 - 24.9 *	1,254	30.8	27.7 - 34.0
Wyoming	265	29.2	23.3 - 35.3	140	20.2	12.4 - 29.4 *	125	34.3	25.0 - 43.8
NAACCR CDN Combined	12,523	28.4	27.5 - 29.4	7,204	27.3	26.1 - 28.5	5,319	30.1	28.6 - 31.6
Alberta	1,650	27.4	24.9 - 29.8	974	24.5	21.2 - 27.9 *	676	28.4	24.5 - 32.4
British Columbia	2,329	27.4	25.3 - 29.6	1,384	21.9	19.2 - 24.6 *	945	28.1	24.4 - 31.9
Manitoba	556	28.3	24.2 - 32.4	316	27.6	21.8 - 33.7	240	25.8	19.9 - 32.2 *
New Brunswick	419	22.1	16.2 - 28.6	242	15.4	10.3 - 21.5 *	177	25.0	17.9 - 32.7
Newfoundland and Labrador	294	23.7	17.8 - 30.1	168	20.9	13.3 - 29.7	126	20.7	12.1 - 30.9 *
Ontario	6,732	29.6	28.3 - 30.9	3,806	27.9	26.2 - 29.5	2,926	32.1	30.0 - 34.2
Prince Edward Island	72	17.4	8.7 - 28.6 *	46	24.8	12.4 - 39.4 *	26	0.0	
Saskatchewan	471	23.8	18.9 - 28.9	268	22.0	16.0 - 28.6 *	203	20.5	13.6 - 28.4 *
NAACCR N.A. Combined	136,845	30.0	29.7 - 30.3	77,041	28.4	28.0 - 28.8	59,804	32.3	31.8 - 32.7

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-20 Survival – Brain & Other Nervous System (invasive)

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Brain & Other Nervous System (non-invasive)

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	274,555	91.6	91.4 - 91.8	88,503	89.8	89.4 - 90.2	186,052	92.5	92.3 - 92.7
Alabama	3,064	91.5	89.3 - 93.3	1,020	87.5	83.1 - 90.8	2,044	93.1	90.6 - 94.9
Alaska	612	91.5	87.4 - 94.3	214	91.2	84.0 - 95.2	398	90.9	85.9 - 94.2
Arizona	5,631	91.8	90.6 - 92.8	1,860	88.9	86.5 - 90.9	3,771	92.8	91.5 - 93.9
Arkansas	2,354	91.0	88.7 - 92.8	804	87.4	82.9 - 90.8	1,550	92.0	89.4 - 93.9
California	31,737	91.6	91.0 - 92.1	10,263	89.5	88.4 - 90.4	21,474	92.5	91.9 - 93.0
CA - Greater California	17,994	90.6	89.8 - 91.2	5,819	88.1	86.7 - 89.4	12,175	91.6	90.8 - 92.4
CA - Greater Bay Area	6,611	93.0	91.9 - 94.0	2,178	91.5	89.3 - 93.3	4,433	93.5	92.2 - 94.6
CA - Los Angeles	7,008	92.4	91.2 - 93.5	2,221	89.9	87.8 - 91.7	4,787	93.3	92.0 - 94.5
Colorado	5,999	91.3	90.1 - 92.5	1,960	88.6	86.2 - 90.7	4,039	92.5	90.9 - 93.8
Connecticut	3,108	90.7	89.0 - 92.2	1,039	89.0	85.5 - 91.7	2,069	91.5	89.5 - 93.1
Delaware	703	90.4	86.2 - 93.4	240	88.6	81.6 - 93.0	463	90.3	85.2 - 93.7
Florida	23,125	90.2	89.6 - 90.8	7,389	87.3	86.0 - 88.5	15,736	91.4	90.7 - 92.1
Georgia	9,093	89.6	88.4 - 90.7	2,868	87.9	85.7 - 89.7	6,225	90.4	89.1 - 91.6
Hawaii	1,232	86.8	83.9 - 89.2	400	83.1	76.9 - 87.7	832	88.3	84.9 - 91.0
Idaho	1,402	89.1	86.4 - 91.3	462	88.2	83.2 - 91.8	940	89.1	85.7 - 91.8
Illinois	12,712	93.1	92.3 - 93.8	4,026	92.4	90.8 - 93.8	8,686	93.0	92.1 - 93.8
Iowa	3,328	92.1	90.3 - 93.6	1,079	90.5	87.4 - 92.9	2,249	92.4	90.2 - 94.2
Kansas	2,522	93.4	91.4 - 94.9	808	89.1	85.3 - 91.9	1,714	95.0	92.9 - 96.4
Kentucky	5,178	92.1	90.8 - 93.2	1,569	90.1	87.7 - 92.0	3,609	92.6	91.1 - 93.9
Louisiana	4,442	90.4	88.9 - 91.7	1,502	88.5	85.4 - 90.9	2,940	91.0	89.3 - 92.5
Maine	982	89.3	85.9 - 91.9	361	89.5	82.8 - 93.7	621	88.1	83.9 - 91.2
Maryland	5,131	89.8	88.4 - 91.1	1,635	86.3	83.6 - 88.6	3,496	91.0	89.4 - 92.5
MI - Detroit	4,311	88.7	87.1 - 90.2	1,265	85.5	82.0 - 88.4	3,046	89.9	88.1 - 91.4
Minnesota	3,991	93.4	91.8 - 94.7	1,479	93.5	90.8 - 95.5	2,512	92.8	90.8 - 94.4
Mississippi	2,426	89.7	87.4 - 91.6	774	86.4	81.7 - 90.0	1,652	90.8	88.2 - 92.9
Missouri	5,889	91.0	89.6 - 92.2	1,868	88.4	85.7 - 90.6	4,021	91.8	90.3 - 93.1
Montana	1,031	92.0	89.1 - 94.2	361	88.8	83.9 - 92.4	670	93.2	90.0 - 95.4
Nebraska	1,429	92.1	89.0 - 94.3	471	89.1	84.4 - 92.4	958	92.4	88.7 - 94.9
New Hampshire	1,243	93.4	89.9 - 95.6	417	88.6	81.8 - 93.0	826	94.5	91.6 - 96.4
New Jersey	9,101	92.1	91.1 - 93.0	2,979	92.0	90.1 - 93.5	6,122	91.8	90.6 - 92.9
New Mexico	1,433	88.4	85.8 - 90.6	452	84.5	79.6 - 88.3	981	88.8	85.8 - 91.2
New York	22,014	90.4	89.7 - 91.0	7,123	88.1	86.7 - 89.3	14,891	91.4	90.6 - 92.1
North Carolina	9,739	91.6	90.6 - 92.5	3,072	89.1	87.1 - 90.8	6,667	92.5	91.4 - 93.5
North Dakota	505	91.1	86.4 - 94.2	172	85.7	70.6 - 93.4	333	92.7	88.2 - 95.6
Ohio	9,072	91.8	90.9 - 92.7	2,967	90.0	88.1 - 91.7	6,105	92.4	91.3 - 93.4
Oklahoma	3,240	91.3	89.4 - 92.8	1,059	86.6	82.6 - 89.6	2,181	92.9	90.7 - 94.5
Oregon	2,927	93.5	91.7 - 94.9	1,036	92.7	88.8 - 95.2	1,891	93.5	91.5 - 95.0
Pennsylvania	15,281	92.3	91.5 - 93.0	4,868	90.9	89.4 - 92.2	10,413	93.0	92.1 - 93.8
Rhode Island	812	87.9	84.3 - 90.8	284	84.8	78.3 - 89.5	528	88.8	84.1 - 92.1
South Carolina	4,475	91.3	89.9 - 92.5	1,391	88.8	85.8 - 91.2	3,084	92.3	90.6 - 93.7
South Dakota	718	89.9	85.7 - 92.9	257	84.6	76.4 - 90.1	461	91.4	86.8 - 94.4
Tennessee	6,743	91.6	90.3 - 92.7	2,073	89.4	86.9 - 91.5	4,670	92.2	90.7 - 93.4
Texas	23,586	91.9	91.3 - 92.5	7,393	89.8	88.5 - 90.9	16,193	92.8	92.0 - 93.5
Utah	3,747	92.8	91.2 - 94.1	1,187	88.7	85.1 - 91.5	2,560	94.0	92.3 - 95.4
Vermont	665	92.5	88.6 - 95.1	213	91.4	83.2 - 95.6	452	92.3	87.9 - 95.1
Washington	9,009	93.5	92.5 - 94.3	3,008	91.5	89.5 - 93.1	6,001	94.3	93.2 - 95.3
WA - Seattle	7,446	93.4	92.3 - 94.4	2,453	91.4	89.2 - 93.2	4,993	94.2	93.0 - 95.3
West Virginia	1,745	90.8	88.1 - 92.9	590	86.7	81.3 - 90.7	1,155	92.6	89.4 - 94.8
Wisconsin	6,590	93.2	92.2 - 94.2	2,082	91.8	89.6 - 93.6	4,508	93.7	92.4 - 94.7
Wyoming	478	94.9	90.3 - 97.4	163	-	-	315	95.4	89.1 - 98.1
NAACCR CDN Combined	21,859	81.3	80.6 - 82.0	8,499	76.6	75.4 - 77.8	13,360	84.2	83.3 - 85.0
Alberta	2,464	86.9	84.8 - 88.7	930	84.1	80.5 - 87.1	1,534	87.6	85.2 - 89.6
British Columbia	2,408	89.5	87.5 - 91.2	819	89.7	85.8 - 92.5	1,589	89.1	86.6 - 91.2
Manitoba	823	86.6	83.3 - 89.4	278	87.5	82.0 - 91.5	545	85.5	81.4 - 88.7
New Brunswick	334	84.4	77.5 - 89.4	119	84.6	73.8 - 91.2*	215	85.6	77.3 - 91.0
Newfoundland and Labrador	199	83.3	76.0 - 88.5	79	80.4	67.3 - 88.7*	120	81.4	71.7 - 88.1
Ontario	15,183	78.5	77.6 - 79.3	6,127	72.7	71.2 - 74.1	9,056	82.4	81.3 - 83.4
Prince Edward Island	62	87.6	74.2 - 94.3	17	-	-	45	88.7	66.8 - 96.5*
Saskatchewan	386	77.5	71.4 - 82.4	130	77.0	66.4 - 84.6	256	77.0	69.4 - 82.9
NAACCR N.A. Combined	296,414	90.8	90.7 - 91.0	97,002	88.6	88.3 - 89.0	199,412	91.9	91.7 - 92.1

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Thyroid**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	298,526	96.4	96.2 - 96.6	75,025	93.8	93.4 - 94.2	223,501	97.4	97.2 - 97.5
Alabama	3,417	95.5	93.8 - 96.7	864	93.2	90.4 - 95.3	2,553	94.7	91.8 - 96.6
Alaska	612	92.6	87.2 - 95.8	165	94.0	84.6 - 97.7	447	91.1	83.9 - 95.1
Arizona	6,894	96.2	94.9 - 97.2	1,649	91.9	89.1 - 94.0	5,245	97.6	96.7 - 98.3
Arkansas	2,483	95.2	91.9 - 97.2	634	91.6	84.1 - 95.6	1,849	95.9	92.2 - 97.9
California	35,473	94.6	94.0 - 95.1	8,686	92.4	91.1 - 93.5	26,787	95.4	94.8 - 96.0
CA - Greater California	19,424	94.8	94.0 - 95.6	4,683	92.6	90.8 - 94.1	14,741	95.4	94.4 - 96.2
CA - Greater Bay Area	6,371	93.2	91.7 - 94.4	1,688	91.0	87.9 - 93.3	4,683	93.9	92.1 - 95.3
CA - Los Angeles	9,598	94.5	93.4 - 95.4	2,301	90.7	88.1 - 92.7	7,297	95.7	94.6 - 96.5
Colorado	5,910	95.4	93.7 - 96.6	1,568	91.0	87.6 - 93.5	4,342	97.2	95.2 - 98.3
Connecticut	5,033	95.9	94.2 - 97.0	1,295	93.0	89.7 - 95.3	3,738	96.8	95.0 - 98.0
Delaware	1,090	95.8	92.2 - 97.7	232	87.2	76.4 - 93.2	858	97.1	93.9 - 98.6
Florida	18,778	95.8	95.1 - 96.4	4,724	93.5	91.9 - 94.8	14,054	96.6	95.8 - 97.2
Georgia	8,613	95.3	93.6 - 96.6	2,061	92.0	88.5 - 94.4	6,552	96.5	94.3 - 97.9
Hawaii	1,538	87.8	84.1 - 90.6	397	82.4	76.0 - 87.2	1,141	89.9	85.1 - 93.3
Idaho	1,747	96.1	92.7 - 97.9	428	92.2	85.4 - 95.8	1,319	96.5	93.5 - 98.1
Illinois	13,910	96.9	96.3 - 97.4	3,563	95.0	93.6 - 96.1	10,347	97.5	96.4 - 98.2
Iowa	3,080	93.5	91.3 - 95.1	825	90.3	86.3 - 93.1	2,255	94.3	91.6 - 96.2
Kansas	3,354	97.0	95.1 - 98.2	838	92.3	88.2 - 95.0	2,516	98.6	97.4 - 99.3
Kentucky	4,992	95.4	93.3 - 96.8	1,272	90.3	86.1 - 93.2	3,720	96.7	95.4 - 97.6
Louisiana	4,669	96.4	95.3 - 97.3	1,149	93.6	90.2 - 95.8	3,520	96.8	94.1 - 98.3
Maine	1,607	94.9	91.0 - 97.1	461	89.2	81.4 - 93.8	1,146	97.1	93.2 - 98.8
Maryland	6,394	96.9	95.7 - 97.8	1,513	94.8	92.1 - 96.6	4,881	97.0	95.2 - 98.2
MI - Detroit	4,574	95.6	93.9 - 96.9	1,121	91.0	87.4 - 93.7	3,453	97.0	95.8 - 97.8
Minnesota	5,058	94.4	92.8 - 95.6	1,353	91.0	88.3 - 93.1	3,705	95.7	94.0 - 96.9
Mississippi	2,280	94.6	92.4 - 96.2	538	91.3	86.9 - 94.3	1,742	94.1	91.0 - 96.1
Missouri	5,370	95.3	94.0 - 96.3	1,408	92.5	89.6 - 94.6	3,962	96.2	94.7 - 97.2
Montana	1,051	93.0	89.0 - 95.6	300	86.8	78.4 - 92.0	751	94.2	90.2 - 96.6
Nebraska	1,904	92.5	89.1 - 94.8	480	85.4	79.3 - 89.8	1,424	95.3	90.8 - 97.7
New Hampshire	1,585	96.2	91.7 - 98.3	407	94.1	89.9 - 96.6	1,178	96.0	92.9 - 97.8
New Jersey	12,672	97.6	96.6 - 98.4	3,241	95.7	93.1 - 97.3	9,431	98.0	96.8 - 98.8
New Mexico	2,311	94.8	92.3 - 96.6	575	88.3	82.7 - 92.2	1,736	96.8	94.0 - 98.3
New York	28,312	96.2	95.5 - 96.8	7,085	93.9	92.4 - 95.1	21,227	97.0	96.2 - 97.7
North Carolina	9,044	95.3	94.1 - 96.3	2,254	91.8	89.3 - 93.7	6,790	96.4	95.4 - 97.2
North Dakota	874	95.3	91.3 - 97.5	224	90.0	79.7 - 95.2	650	96.0	91.7 - 98.1
Ohio	12,648	96.5	95.5 - 97.3	3,022	91.7	89.4 - 93.6	9,626	97.7	96.9 - 98.2
Oklahoma	3,436	96.1	94.5 - 97.2	854	92.3	88.7 - 94.8	2,582	96.9	95.0 - 98.1
Oregon	3,992	95.8	93.8 - 97.1	1,062	91.3	87.4 - 94.1	2,930	97.0	94.4 - 98.4
Pennsylvania	19,009	97.6	97.1 - 98.0	4,814	95.4	94.0 - 96.5	14,195	98.2	97.7 - 98.6
Rhode Island	1,397	96.1	93.5 - 97.7	365	93.4	87.2 - 96.6	1,032	96.9	94.0 - 98.4
South Carolina	4,146	95.9	94.5 - 97.0	1,065	89.9	86.1 - 92.8	3,081	97.4	95.7 - 98.4
South Dakota	794	92.9	89.5 - 95.2	223	89.2	81.5 - 93.8	571	94.1	90.1 - 96.6
Tennessee	6,180	96.8	95.7 - 97.7	1,638	92.7	88.7 - 95.3	4,542	97.6	96.3 - 98.4
Texas	22,511	96.2	95.6 - 96.8	5,630	93.3	91.9 - 94.5	16,881	97.2	96.6 - 97.7
Utah	3,364	94.4	92.1 - 96.0	806	88.9	84.2 - 92.3	2,558	96.7	93.8 - 98.2
Vermont	662	92.8	87.4 - 96.0	189	90.3	80.6 - 95.3	473	93.1	85.7 - 96.8
Washington	7,030	95.7	94.7 - 96.6	1,831	92.8	90.5 - 94.5	5,199	96.5	94.8 - 97.7
WA - Seattle	5,019	95.2	93.4 - 96.5	1,314	92.5	89.7 - 94.6	3,705	95.8	93.5 - 97.2
West Virginia	2,324	96.1	93.0 - 97.9	554	93.5	86.4 - 97.0	1,770	96.5	92.7 - 98.4
Wisconsin	5,808	95.5	94.3 - 96.4	1,506	92.6	89.4 - 94.9	4,302	96.3	94.7 - 97.4
Wyoming	596	93.9	89.3 - 96.6	156	89.9	80.0 - 95.0	440	95.4	89.9 - 97.9
NAACCR CDN Combined	31,506	96.3	95.8 - 96.8	7,938	93.6	92.5 - 94.6	23,568	97.3	96.7 - 97.8
Alberta	3,518	93.7	91.4 - 95.4	923	90.7	86.0 - 93.9	2,595	94.8	92.0 - 96.6
British Columbia	3,049	92.1	90.1 - 93.7	838	87.7	84.0 - 90.6	2,211	93.5	91.3 - 95.1
Manitoba	1,010	93.8	90.1 - 96.2	252	90.2	82.5 - 94.6	758	94.5	90.0 - 97.1
New Brunswick	849	96.0	93.4 - 97.6	243	92.1	86.2 - 95.5	606	96.6	92.3 - 98.5
Newfoundland and Labrador	865	94.2	90.1 - 96.7	212	86.2	79.0 - 91.1	653	95.9	91.9 - 98.0
Ontario	21,461	97.3	96.7 - 97.8	5,251	95.0	93.6 - 96.1	16,210	98.0	97.3 - 98.5
Prince Edward Island	64	86.5	73.1 - 93.6	16	-	-	48	92.6	75.8 - 97.9*
Saskatchewan	690	93.1	89.9 - 95.3	203	86.9	79.0 - 92.0	487	95.4	91.5 - 97.6
NAACCR N.A. Combined	330,032	96.4	96.2 - 96.6	82,963	93.9	93.5 - 94.2	247,069	97.4	97.2 - 97.5

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Hodgkin Lymphoma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	52,541	85.2	84.8 - 85.6	29,012	84.0	83.4 - 84.6	23,529	86.7	86.1 - 87.3
Alabama	760	80.0	76.0 - 83.5	419	78.6	72.3 - 83.6 *	341	83.1	77.5 - 87.4
Alaska	90	78.9	64.3 - 88.1 *	48	72.9	50.2 - 86.5 *	42	83.0	60.1 - 93.4 *
Arizona	994	79.6	76.4 - 82.5	545	77.6	72.8 - 81.8	449	81.6	77.4 - 85.0
Arkansas	550	83.7	79.6 - 87.1	305	82.4	75.8 - 87.4	245	84.9	79.4 - 89.0
California	5,872	83.5	82.2 - 84.6	3,231	82.4	80.7 - 84.0	2,641	84.7	83.0 - 86.3
CA - Greater California	3,283	83.4	81.7 - 84.9	1,808	82.0	79.8 - 84.1	1,475	84.6	82.2 - 86.7
CA - Greater Bay Area	1,128	85.8	83.2 - 88.1	635	85.4	81.5 - 88.4	493	85.8	82.2 - 88.8
CA - Los Angeles	1,455	81.4	78.7 - 83.8	787	79.7	75.6 - 83.3	668	83.1	79.5 - 86.1
Colorado	874	88.0	84.7 - 90.6	521	85.1	80.5 - 88.8	353	88.9	82.5 - 93.0
Connecticut	803	89.4	86.3 - 91.9	447	85.8	80.8 - 89.6	356	91.8	87.6 - 94.6
Delaware	180	85.2	78.3 - 90.1	101	84.4	72.8 - 91.4	79	90.6	76.7 - 96.4 *
Florida	4,536	84.2	82.8 - 85.6	2,473	82.4	80.3 - 84.2	2,063	86.5	84.5 - 88.2
Georgia	1,658	82.1	79.2 - 84.6	878	79.3	74.9 - 83.1	780	84.4	81.1 - 87.2
Hawaii	160	82.7	75.2 - 88.1	99	78.3	66.9 - 86.2	61	85.4	80.2 - 89.3
Idaho	262	87.3	80.6 - 91.8 *	148	86.9	77.0 - 92.8 *	114	87.7	77.3 - 93.5 *
Illinois	2,444	83.4	81.5 - 85.1	1,367	82.6	80.0 - 85.0	1,077	84.1	81.4 - 86.6
Iowa	634	87.7	84.2 - 90.5	359	86.3	81.3 - 90.0	275	88.0	82.2 - 92.0
Kansas	485	87.4	83.2 - 90.5	288	87.9	82.4 - 91.7	197	85.4	78.9 - 90.0
Kentucky	788	81.6	77.5 - 85.1	438	80.8	75.2 - 85.2	350	81.6	75.0 - 86.6
Louisiana	856	81.8	77.9 - 85.1	463	81.5	76.2 - 85.7	393	81.6	75.6 - 86.3
Maine	290	86.3	81.6 - 89.9	154	83.7	74.5 - 89.8 *	136	88.8	83.1 - 92.7
Maryland	1,087	85.4	82.4 - 87.9	585	83.9	79.5 - 87.4	502	86.7	82.5 - 89.9
MI - Detroit	773	84.6	80.5 - 88.0	438	86.9	81.9 - 90.6	335	82.2	76.9 - 86.3
Minnesota	1,077	86.1	83.1 - 88.5	641	84.0	80.3 - 87.1	436	88.5	83.8 - 91.8
Mississippi	502	80.2	75.6 - 83.9	268	79.0	72.5 - 84.1	234	80.9	74.7 - 85.8
Missouri	1,129	84.5	81.7 - 86.9	615	84.6	80.6 - 87.8	514	83.6	79.5 - 86.9
Montana	184	83.5	78.9 - 87.2	98	82.9	76.1 - 87.9	86	86.1	74.9 - 92.5 *
Nebraska	391	88.0	83.3 - 91.4	222	87.9	82.6 - 91.7	169	88.2	80.3 - 93.1 *
New Hampshire	263	88.4	83.0 - 92.1	149	87.8	80.6 - 92.4	114	89.9	81.6 - 94.6 *
New Jersey	1,963	87.5	85.3 - 89.4	1,054	86.6	83.4 - 89.1	909	88.0	84.9 - 90.5
New Mexico	341	80.9	75.5 - 85.3	210	72.3	63.1 - 79.6 *	131	87.0	80.2 - 91.6
New York	4,405	86.2	84.8 - 87.5	2,350	86.0	83.9 - 87.8	2,055	86.1	84.1 - 87.9
North Carolina	1,725	85.4	82.9 - 87.5	973	83.3	79.8 - 86.3	752	87.4	83.9 - 90.2
North Dakota	147	86.2	77.9 - 91.5	98	87.7	72.5 - 94.8 *	49	88.1	70.8 - 95.5 *
Ohio	2,152	85.9	83.9 - 87.6	1,190	84.4	81.1 - 87.2	962	87.2	84.4 - 89.6
Oklahoma	620	82.8	78.7 - 86.1	336	80.4	75.0 - 84.8	284	84.6	79.2 - 88.7
Oregon	664	84.5	80.7 - 87.6	363	82.8	76.9 - 87.4 *	301	86.8	80.4 - 91.2
Pennsylvania	2,898	87.1	85.2 - 88.7	1,625	86.5	84.0 - 88.6	1,273	87.4	84.7 - 89.7
Rhode Island	244	85.2	77.7 - 90.3	125	83.6	71.0 - 91.1 *	119	85.6	73.7 - 92.4
South Carolina	839	84.0	80.5 - 86.9	450	80.8	74.9 - 85.5	389	87.0	82.7 - 90.3
South Dakota	146	87.3	80.7 - 91.7	80	82.6	77.7 - 86.5	66	94.7	86.4 - 98.0
Tennessee	1,179	84.1	81.0 - 86.8	636	81.2	76.7 - 85.0	543	87.2	82.5 - 90.6
Texas	4,143	83.3	81.9 - 84.7	2,287	81.4	79.3 - 83.3	1,856	85.3	83.3 - 87.0
Utah	462	89.6	85.2 - 92.8	237	87.0	81.0 - 91.2	225	92.8	86.3 - 96.3
Vermont	135	91.3	81.1 - 96.1	70	93.7	83.0 - 97.8	65	88.1	68.7 - 95.8 *
Washington	1,218	90.6	87.9 - 92.8	714	88.8	85.7 - 91.3	504	91.6	86.7 - 94.8
WA - Seattle	859	91.3	88.7 - 93.4	498	89.2	85.6 - 92.0	361	93.1	87.1 - 96.4
West Virginia	315	77.6	72.0 - 82.3	177	75.4	67.7 - 81.6	138	80.5	73.5 - 85.8
Wisconsin	1,221	87.3	84.6 - 89.5	687	85.6	82.0 - 88.6	534	88.2	84.0 - 91.3
Wyoming	82	85.8	69.7 - 93.7 *	50	80.1	57.8 - 91.4 *	32	93.8	73.9 - 98.7 *
NAACCR CDN Combined	4,748	85.9	84.6 - 87.1	2,639	84.8	82.9 - 86.4	2,109	87.2	85.3 - 88.8
Alberta	689	87.8	84.3 - 90.6	410	86.8	82.4 - 90.2	279	88.3	82.2 - 92.4
British Columbia	768	85.4	82.0 - 88.3	441	80.5	75.2 - 84.8	327	90.9	86.9 - 93.8
Manitoba	246	87.7	83.0 - 91.2	145	88.4	79.5 - 93.6 *	101	86.9	79.6 - 91.7
New Brunswick	140	82.6	72.2 - 89.4	75	85.5	74.0 - 92.2 *	65	75.1	55.8 - 86.9 *
Newfoundland and Labrador	89	82.9	78.0 - 86.8	46	83.4	63.2 - 93.1 *	43	90.3	72.3 - 96.8 *
Ontario	2,599	85.0	83.2 - 86.6	1,400	83.9	81.4 - 86.0	1,199	86.0	83.5 - 88.2
Prince Edward Island	30	86.8	63.2 - 95.7 *	16	-	-	14	-	-
Saskatchewan	187	84.5	77.0 - 89.8	106	82.2	70.9 - 89.4	81	87.1	75.4 - 93.5 *
NAACCR N.A. Combined	57,289	85.3	84.9 - 85.6	31,651	84.1	83.5 - 84.6	25,638	86.8	86.2 - 87.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Non-Hodgkin Lymphoma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	426,078	70.9	70.7 - 71.2	233,400	68.9	68.5 - 69.2	192,678	73.5	73.2 - 73.8
Alabama	6,265	67.9	66.0 - 69.6	3,387	66.1	63.4 - 68.6	2,878	69.4	66.8 - 72.0
Alaska	785	71.9	66.1 - 76.8	474	68.8	61.2 - 75.2	311	75.3	66.9 - 81.8
Arizona	8,346	67.5	66.0 - 68.9	4,645	65.0	63.0 - 67.0	3,701	70.3	68.2 - 72.3
Arkansas	4,239	70.1	67.8 - 72.3	2,315	67.7	64.2 - 71.0	1,924	72.4	69.3 - 75.2
California	50,184	69.6	69.0 - 70.2	27,904	68.1	67.3 - 69.0	22,280	71.6	70.7 - 72.4
CA - Greater California	27,457	69.2	68.3 - 70.0	15,363	67.4	66.2 - 68.6	12,094	71.4	70.2 - 72.6
CA - Greater Bay Area	10,391	73.3	71.9 - 74.6	5,823	72.7	70.9 - 74.3	4,568	74.2	72.2 - 76.0
CA - Los Angeles	12,303	67.4	66.1 - 68.6	6,700	65.7	63.9 - 67.5	5,603	69.4	67.6 - 71.1
Colorado	6,540	72.3	70.6 - 74.0	3,687	70.4	68.0 - 72.7	2,853	74.5	72.0 - 76.9
Connecticut	6,295	73.8	72.1 - 75.5	3,438	71.9	69.4 - 74.3	2,857	76.1	73.6 - 78.4
Delaware	1,608	67.7	64.0 - 71.1	873	62.4	57.1 - 67.3	735	73.4	68.3 - 77.8
Florida	40,523	72.4	71.7 - 73.1	22,041	69.0	68.0 - 70.0	18,482	76.4	75.5 - 77.3
Georgia	12,534	67.9	66.4 - 69.2	6,949	65.4	63.3 - 67.3	5,585	70.6	68.6 - 72.5
Hawaii	1,938	68.4	65.4 - 71.1	1,112	66.8	62.6 - 70.6	826	70.1	65.8 - 73.9
Idaho	2,302	70.6	67.6 - 73.4	1,300	67.1	62.8 - 71.0	1,002	74.3	70.4 - 77.8
Illinois	18,894	72.1	71.0 - 73.1	10,196	70.4	69.0 - 71.8	8,698	74.0	72.5 - 75.3
Iowa	5,363	71.0	69.1 - 72.9	2,978	69.2	66.5 - 71.8	2,385	73.3	70.6 - 75.8
Kansas	4,446	73.7	71.6 - 75.7	2,447	71.6	68.5 - 74.5	1,999	75.9	72.8 - 78.8
Kentucky	7,000	68.8	67.1 - 70.3	3,815	65.7	63.4 - 67.9	3,185	72.1	69.5 - 74.5
Louisiana	6,728	68.2	66.4 - 70.0	3,677	65.0	62.3 - 67.6	3,051	71.9	69.3 - 74.2
Maine	2,515	72.4	69.6 - 75.0	1,382	70.5	66.2 - 74.3	1,133	73.9	70.1 - 77.3
Maryland	7,909	72.1	70.4 - 73.7	4,177	69.5	67.1 - 71.8	3,732	74.4	72.2 - 76.4
MI - Detroit	6,413	69.4	67.6 - 71.1	3,418	66.9	64.3 - 69.3	2,995	72.1	69.5 - 74.4
Minnesota	9,068	73.2	71.7 - 74.5	5,100	71.1	69.1 - 73.0	3,968	75.8	73.8 - 77.7
Mississippi	3,840	65.9	63.4 - 68.3	2,064	61.7	57.9 - 65.2	1,776	70.1	66.7 - 73.2
Missouri	9,071	70.9	69.4 - 72.4	4,969	68.1	65.8 - 70.2	4,102	74.1	71.9 - 76.1
Montana	1,657	71.3	67.7 - 74.6	933	70.1	65.1 - 74.5	724	71.3	66.0 - 76.0
Nebraska	2,965	73.1	70.4 - 75.6	1,623	72.0	68.0 - 75.7	1,342	74.0	70.3 - 77.3
New Hampshire	2,386	76.0	73.0 - 78.6	1,310	72.4	68.1 - 76.2	1,076	79.9	75.8 - 83.4
New Jersey	15,197	72.6	71.4 - 73.7	8,100	70.6	68.9 - 72.1	7,097	74.9	73.3 - 76.3
New Mexico	2,461	67.1	64.1 - 69.8	1,284	64.7	60.5 - 68.7	1,177	69.4	65.3 - 73.1
New York	33,430	71.7	70.9 - 72.4	17,996	69.7	68.6 - 70.7	15,434	74.1	73.1 - 75.1
North Carolina	13,512	69.9	68.6 - 71.2	7,371	68.3	66.4 - 70.1	6,141	71.8	70.0 - 73.6
North Dakota	1,079	72.3	68.6 - 75.6	589	70.8	65.5 - 75.4	490	72.8	66.7 - 78.0
Ohio	17,722	71.4	70.3 - 72.5	9,708	69.1	67.4 - 70.6	8,014	74.1	72.6 - 75.6
Oklahoma	5,294	66.1	64.1 - 68.1	2,858	64.5	61.4 - 67.4	2,436	67.6	64.8 - 70.2
Oregon	6,133	73.7	71.9 - 75.5	3,386	72.5	70.2 - 74.7	2,747	74.4	71.8 - 76.8
Pennsylvania	23,281	71.7	70.7 - 72.6	12,548	70.0	68.7 - 71.3	10,733	73.6	72.4 - 74.9
Rhode Island	1,783	71.0	67.9 - 73.9	968	68.6	64.0 - 72.7	815	73.5	69.1 - 77.3
South Carolina	6,444	69.3	67.5 - 71.1	3,527	66.9	64.2 - 69.5	2,917	71.9	69.4 - 74.3
South Dakota	1,313	70.4	66.6 - 74.0	730	68.6	63.3 - 73.2	583	72.0	66.3 - 77.0
Tennessee	9,245	68.6	67.1 - 70.1	5,102	66.1	63.9 - 68.1	4,143	71.4	69.1 - 73.5
Texas	30,936	69.9	69.1 - 70.7	17,090	67.2	66.0 - 68.4	13,846	73.1	71.9 - 74.2
Utah	3,059	72.0	69.3 - 74.4	1,779	71.0	67.4 - 74.3	1,280	73.5	69.5 - 77.1
Vermont	1,126	75.3	71.0 - 79.1	634	73.0	66.7 - 78.3	492	76.8	70.7 - 81.8
Washington	10,573	72.8	71.4 - 74.1	5,970	70.5	68.6 - 72.4	4,603	75.5	73.6 - 77.4
WA - Seattle	7,625	72.0	70.4 - 73.6	4,321	69.8	67.5 - 72.1	3,304	74.5	72.2 - 76.7
West Virginia	3,223	68.8	66.4 - 71.0	1,745	66.8	63.5 - 70.0	1,478	70.8	67.2 - 74.0
Wisconsin	9,721	74.0	72.5 - 75.3	5,373	72.1	70.0 - 74.0	4,348	76.1	74.1 - 78.0
Wyoming	732	67.1	61.6 - 71.9	428	66.4	59.2 - 72.6	304	67.6	59.3 - 74.6
NAACCR CDN Combined	41,248	69.0	68.3 - 69.6	22,798	66.9	66.0 - 67.9	18,450	71.4	70.5 - 72.3
Alberta	5,180	69.8	67.9 - 71.7	2,954	67.5	64.9 - 70.0	2,226	72.6	69.8 - 75.2
British Columbia	7,414	69.2	67.6 - 70.6	4,104	66.6	64.4 - 68.6	3,310	72.4	70.2 - 74.5
Manitoba	2,042	67.8	64.6 - 70.7	1,125	66.9	62.5 - 70.8	917	68.4	63.7 - 72.6
New Brunswick	1,486	69.8	66.3 - 73.1	803	68.2	63.1 - 72.7	683	71.4	66.4 - 75.9
Newfoundland and Labrador	1,032	70.2	65.3 - 74.5	562	64.6	58.2 - 70.3	470	74.2	66.9 - 80.2
Ontario	22,266	68.8	67.9 - 69.6	12,267	66.9	65.6 - 68.2	9,999	71.0	69.7 - 72.2
Prince Edward Island	235	63.0	52.7 - 71.6	138	60.4	45.5 - 72.5	97	64.9	49.9 - 76.4
Saskatchewan	1,593	67.2	63.8 - 70.3	845	64.1	59.4 - 68.5	748	69.8	64.8 - 74.2
NAACCR N.A. Combined	467,326	70.8	70.6 - 71.0	256,198	68.7	68.4 - 69.0	211,128	73.4	73.1 - 73.6

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

All Races

III-24 Survival – Non-Hodgkin Lymphoma

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Myeloma

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	156,893	55.8	55.4 - 56.2	87,472	55.3	54.8 - 55.9	69,421	56.5	55.9 - 57.1
Alabama	2,726	52.0	49.0 - 54.9	1,462	48.2	44.1 - 52.2	1,264	56.0	51.8 - 60.0
Alaska	226	51.6	40.4 - 61.7	138	48.7	37.8 - 58.7	88	51.7	33.0 - 67.5
Arizona	2,783	51.0	48.1 - 53.8	1,616	48.2	44.3 - 52.1	1,167	54.1	49.9 - 58.1
Arkansas	1,687	56.7	52.9 - 60.3	933	55.7	50.5 - 60.6	754	57.5	52.1 - 62.5
California	16,808	53.5	52.3 - 54.7	9,709	53.4	51.8 - 54.9	7,099	53.7	51.9 - 55.5
CA - Greater California	9,380	52.3	50.7 - 53.8	5,445	52.4	50.3 - 54.5	3,935	52.1	49.7 - 54.5
CA - Greater Bay Area	3,341	57.4	54.7 - 60.0	1,958	57.1	53.5 - 60.5	1,383	57.7	53.5 - 61.7
CA - Los Angeles	4,075	53.0	50.6 - 55.3	2,299	52.5	49.4 - 55.5	1,776	53.3	49.7 - 56.7
Colorado	2,361	60.9	57.8 - 63.8	1,420	58.9	54.8 - 62.8	941	63.1	58.4 - 67.4
Connecticut	2,203	59.9	56.6 - 62.9	1,242	59.5	55.2 - 63.5	961	59.2	54.2 - 63.9
Delaware	608	53.6	47.2 - 59.5	333	55.6	46.9 - 63.5	275	49.3	40.3 - 57.6
Florida	15,095	60.0	58.8 - 61.3	8,394	58.5	56.8 - 60.3	6,701	61.7	59.9 - 63.5
Georgia	5,974	55.5	53.5 - 57.5	3,170	54.0	51.2 - 56.8	2,804	56.8	53.9 - 59.6
Hawaii	664	45.5	39.7 - 51.1	378	41.9	34.4 - 49.1	286	51.3	42.9 - 59.1
Idaho	790	53.4	48.0 - 58.5	484	54.8	47.5 - 61.5	306	43.9	35.0 - 52.4*
Illinois	6,527	56.7	54.8 - 58.6	3,535	56.5	53.9 - 59.1	2,992	56.7	53.8 - 59.4
Iowa	1,824	52.2	48.6 - 55.7	1,033	55.2	50.5 - 59.7	791	48.0	42.6 - 53.3
Kansas	1,501	58.6	54.6 - 62.5	839	56.7	51.0 - 62.0	662	61.2	55.6 - 66.2
Kentucky	2,443	50.7	47.3 - 53.9	1,439	48.1	43.6 - 52.4	1,004	53.8	49.0 - 58.4
Louisiana	2,821	52.0	48.9 - 55.0	1,546	51.1	46.8 - 55.2	1,275	52.5	48.1 - 56.8
Maine	773	57.7	52.5 - 62.7	423	59.4	51.9 - 66.0	350	52.4	43.9 - 60.2*
Maryland	3,293	56.0	53.1 - 58.7	1,690	55.8	51.7 - 59.7	1,603	56.1	52.1 - 59.9
MI - Detroit	2,603	51.5	48.4 - 54.5	1,409	50.9	46.6 - 55.1	1,194	52.6	48.2 - 56.8
Minnesota	2,860	60.1	57.3 - 62.9	1,661	58.9	55.0 - 62.6	1,199	61.9	57.6 - 65.8
Mississippi	1,830	46.8	43.3 - 50.2	994	46.3	41.3 - 51.0	836	47.0	42.0 - 51.8
Missouri	3,270	54.0	51.3 - 56.7	1,848	53.6	49.9 - 57.2	1,422	54.2	50.1 - 58.2
Montana	616	54.1	46.9 - 60.6	375	55.2	46.8 - 62.8	241	47.7	36.4 - 58.2*
Nebraska	926	54.4	49.3 - 59.3	555	49.9	43.2 - 56.2	371	59.8	51.8 - 66.8
New Hampshire	716	64.7	59.3 - 69.6	412	65.8	57.9 - 72.6	304	61.1	52.8 - 68.3
New Jersey	5,342	58.2	56.1 - 60.3	2,910	57.9	54.9 - 60.8	2,432	58.4	55.4 - 61.3
New Mexico	913	54.2	49.2 - 58.9	533	57.2	50.1 - 63.7	380	49.7	42.3 - 56.6
New York	13,240	58.1	56.8 - 59.4	7,219	58.4	56.6 - 60.3	6,021	57.9	56.0 - 59.7
North Carolina	6,231	57.1	55.2 - 59.1	3,312	57.9	55.0 - 60.6	2,919	56.7	53.9 - 59.4
North Dakota	367	57.7	50.6 - 64.1	210	59.4	49.7 - 67.8	157	56.2	45.9 - 65.2
Ohio	5,633	51.9	49.8 - 54.0	3,139	49.6	46.6 - 52.4	2,494	54.6	51.6 - 57.6
Oklahoma	1,888	50.5	46.7 - 54.2	1,075	49.2	44.1 - 54.2	813	51.3	45.8 - 56.6
Oregon	1,803	53.9	50.2 - 57.5	1,050	53.1	48.0 - 57.9	753	54.7	49.0 - 60.0
Pennsylvania	7,655	54.9	53.1 - 56.6	4,237	55.4	53.0 - 57.8	3,418	54.4	51.8 - 56.9
Rhode Island	532	64.4	58.3 - 69.8	307	67.6	58.9 - 74.9	225	61.0	52.7 - 68.4
South Carolina	3,203	50.6	47.8 - 53.3	1,719	51.9	47.9 - 55.7	1,484	49.4	45.5 - 53.2
South Dakota	467	55.5	48.6 - 61.9	290	55.6	46.9 - 63.5	177	51.2	39.5 - 61.7*
Tennessee	3,480	54.5	51.8 - 57.1	1,933	53.1	49.4 - 56.7	1,547	55.9	52.0 - 59.7
Texas	12,746	56.3	54.9 - 57.7	7,051	54.5	52.6 - 56.4	5,695	58.6	56.6 - 60.5
Utah	1,096	54.9	50.4 - 59.1	648	55.8	49.8 - 61.3	448	53.3	46.5 - 59.6
Vermont	324	50.6	41.7 - 58.9	198	50.2	39.1 - 60.4	126	50.9	37.8 - 62.6
Washington	3,396	58.7	56.1 - 61.3	1,975	60.5	57.0 - 63.8	1,421	56.7	52.8 - 60.4
WA - Seattle	2,509	58.2	55.0 - 61.1	1,458	60.2	56.0 - 64.1	1,051	55.9	51.4 - 60.2
West Virginia	1,045	50.6	45.6 - 55.4	607	48.9	42.3 - 55.2	438	54.9	48.4 - 61.0
Wisconsin	3,344	59.6	57.1 - 62.0	1,876	60.7	57.2 - 64.0	1,468	58.7	55.1 - 62.1
Wyoming	260	51.4	41.7 - 60.3*	145	50.2	36.9 - 62.0*	115	53.0	38.4 - 65.7*
NAACCR CDN Combined	14,805	53.5	52.2 - 54.7	8,527	52.7	51.0 - 54.3	6,278	54.6	52.8 - 56.5
Alberta	1,617	58.1	54.3 - 61.6	986	57.2	52.2 - 61.8	631	59.4	53.7 - 64.6
British Columbia	2,309	51.6	48.4 - 54.7	1,353	50.9	46.6 - 55.0	956	52.7	47.8 - 57.4
Manitoba	654	48.0	41.6 - 54.0	380	45.7	36.5 - 54.4	274	50.1	41.2 - 58.2
New Brunswick	449	48.3	41.2 - 55.1*	262	53.3	43.6 - 62.1*	187	41.5	31.2 - 51.5*
Newfoundland and Labrador	280	54.3	45.8 - 62.0	157	54.3	40.4 - 66.3	123	58.1	48.2 - 66.7
Ontario	8,848	53.5	51.9 - 55.1	5,009	52.4	50.3 - 54.5	3,839	55.0	52.6 - 57.3
Prince Edward Island	108	44.3	31.4 - 56.4	64	40.8	26.8 - 54.3	44	-	-
Saskatchewan	540	50.3	43.9 - 56.4	316	48.9	40.3 - 56.9	224	53.5	44.3 - 61.8
NAACCR N.A. Combined	171,698	55.6	55.2 - 56.0	95,999	55.1	54.6 - 55.6	75,699	56.4	55.8 - 56.9

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Leukemias**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	296,428	57.6	57.3 - 57.9	173,324	57.5	57.1 - 57.8	123,104	57.7	57.3 - 58.1
Alabama	4,336	52.0	49.7 - 54.2	2,494	52.6	49.5 - 55.7	1,842	50.7	47.3 - 54.0
Alaska	471	57.2	48.6 - 64.9	301	57.9	47.2 - 67.2	170	57.7	45.3 - 68.1
Arizona	5,339	43.8	41.9 - 45.6	3,203	42.8	40.4 - 45.2	2,136	44.9	42.0 - 47.7
Arkansas	3,005	56.6	53.6 - 59.5	1,778	55.6	51.7 - 59.3	1,227	57.3	52.5 - 61.8
California	31,412	54.2	53.4 - 55.0	18,497	54.7	53.7 - 55.8	12,915	53.3	52.0 - 54.5
CA - Greater California	17,944	53.5	52.4 - 54.5	10,569	53.5	52.2 - 54.9	7,375	53.3	51.7 - 54.9
CA - Greater Bay Area	6,034	57.9	56.1 - 59.6	3,638	58.5	56.1 - 60.8	2,396	56.3	53.6 - 58.9
CA - Los Angeles	7,411	52.3	50.7 - 54.0	4,277	53.9	51.7 - 56.1	3,134	49.8	47.2 - 52.3
Colorado	4,698	60.3	58.2 - 62.3	2,828	60.3	57.5 - 62.9	1,870	60.2	57.2 - 63.2
Connecticut	4,188	57.7	55.5 - 59.8	2,360	57.8	54.9 - 60.7	1,828	57.2	53.9 - 60.3
Delaware	1,000	54.3	50.0 - 58.4	611	53.7	48.2 - 59.0	389	54.7	47.8 - 61.2
Florida	30,583	62.9	62.1 - 63.7	17,590	61.0	59.9 - 62.1	12,993	65.3	64.1 - 66.5
Georgia	9,289	56.4	54.9 - 57.9	5,292	56.3	54.2 - 58.3	3,997	56.3	54.0 - 58.5
Hawaii	1,157	47.1	43.5 - 50.7	707	47.1	42.4 - 51.5	450	45.6	39.5 - 51.4
Idaho	1,802	61.5	58.0 - 64.8	1,054	61.7	57.0 - 66.1	748	60.4	55.3 - 65.1
Illinois	12,076	54.1	52.8 - 55.3	6,946	54.9	53.2 - 56.6	5,130	53.0	51.0 - 54.8
Iowa	4,022	59.2	56.9 - 61.3	2,402	59.2	56.2 - 62.0	1,620	58.5	55.2 - 61.7
Kansas	3,271	62.5	60.1 - 64.9	1,970	63.3	59.9 - 66.5	1,301	60.8	57.1 - 64.3
Kentucky	5,319	55.0	52.9 - 57.1	3,053	54.8	51.9 - 57.6	2,266	55.3	52.3 - 58.2
Louisiana	4,574	55.7	53.4 - 57.8	2,633	55.6	52.6 - 58.4	1,941	55.0	51.7 - 58.1
Maine	1,741	60.3	56.9 - 63.5	1,031	58.1	53.6 - 62.4	710	61.0	56.1 - 65.5
Maryland	5,091	54.0	52.0 - 56.0	2,844	55.1	52.2 - 57.8	2,247	52.6	49.7 - 55.5
MI - Detroit	4,711	58.0	55.9 - 60.0	2,713	58.6	55.8 - 61.3	1,998	56.7	53.6 - 59.8
Minnesota	6,615	61.9	60.2 - 63.6	4,133	61.8	59.5 - 64.0	2,482	61.9	59.1 - 64.5
Mississippi	2,629	50.1	47.2 - 53.0	1,531	47.6	43.8 - 51.4	1,098	52.6	48.1 - 57.0
Missouri	6,371	54.2	52.4 - 56.0	3,724	53.5	51.0 - 55.8	2,647	54.8	52.1 - 57.4
Montana	1,286	62.3	58.3 - 66.0	830	63.4	58.4 - 68.0	456	59.5	53.1 - 65.2
Nebraska	1,913	54.8	51.5 - 58.0	1,147	55.1	50.6 - 59.3	766	54.4	49.3 - 59.3
New Hampshire	1,495	59.4	55.8 - 62.7	933	57.7	53.1 - 62.0	562	61.1	55.3 - 66.3
New Jersey	10,386	60.0	58.6 - 61.4	5,976	60.3	58.4 - 62.1	4,410	59.4	57.4 - 61.4
New Mexico	1,963	57.3	53.9 - 60.5	1,119	56.8	52.2 - 61.1	844	57.3	52.5 - 61.8
New York	24,385	60.2	59.3 - 61.1	14,065	60.5	59.3 - 61.7	10,320	59.7	58.4 - 61.1
North Carolina	10,400	59.4	57.9 - 60.8	6,038	59.1	57.1 - 61.1	4,362	59.9	57.7 - 62.0
North Dakota	857	58.7	54.1 - 63.1	520	58.1	52.2 - 63.6	337	58.3	50.8 - 65.1
Ohio	10,245	52.3	50.9 - 53.7	5,987	52.2	50.3 - 54.1	4,258	52.2	50.0 - 54.2
Oklahoma	3,878	55.3	52.8 - 57.7	2,249	56.2	52.8 - 59.4	1,629	53.3	49.7 - 56.8
Oregon	3,829	56.7	54.3 - 59.0	2,280	55.3	52.2 - 58.3	1,549	58.3	54.6 - 61.8
Pennsylvania	15,413	57.2	56.1 - 58.4	8,988	57.8	56.2 - 59.3	6,425	56.6	54.8 - 58.3
Rhode Island	1,181	59.2	55.0 - 63.2	701	57.5	51.6 - 62.9	480	60.3	54.4 - 65.7
South Carolina	4,806	53.0	51.0 - 54.9	2,797	51.9	49.3 - 54.6	2,009	53.9	50.9 - 56.8
South Dakota	1,038	61.4	57.2 - 65.2	615	61.6	56.2 - 66.6	423	59.4	52.7 - 65.4
Tennessee	6,522	56.5	54.6 - 58.3	3,817	55.2	52.7 - 57.6	2,705	57.8	55.0 - 60.5
Texas	22,473	58.0	57.0 - 59.0	13,147	57.3	56.0 - 58.7	9,326	58.8	57.2 - 60.3
Utah	2,284	58.5	55.5 - 61.4	1,389	60.1	56.2 - 63.8	895	55.7	50.9 - 60.2
Vermont	634	55.7	49.7 - 61.2	379	55.4	47.7 - 62.4	255	56.7	47.9 - 64.6
Washington	7,325	61.2	59.6 - 62.8	4,422	60.9	58.7 - 63.0	2,903	61.2	58.8 - 63.5
WA - Seattle	5,454	63.3	61.4 - 65.2	3,290	63.5	60.9 - 66.0	2,164	62.6	59.8 - 65.3
West Virginia	2,377	55.5	52.5 - 58.4	1,383	55.3	51.3 - 59.2	994	55.4	50.7 - 59.8
Wisconsin	7,491	63.1	61.5 - 64.7	4,508	63.5	61.4 - 65.6	2,983	62.2	59.6 - 64.6
Wyoming	547	55.9	49.6 - 61.6	339	55.5	47.2 - 63.0	208	56.6	47.2 - 65.0
NAACCR CDN Combined	31,655	62.5	61.7 - 63.2	18,866	62.2	61.1 - 63.2	12,789	62.9	61.8 - 64.1
Alberta	4,069	67.1	65.1 - 69.1	2,508	66.5	63.8 - 69.1	1,561	67.6	64.3 - 70.6
British Columbia	4,796	57.7	55.8 - 59.4	2,905	58.0	55.6 - 60.4	1,891	57.0	54.2 - 59.7
Manitoba	1,359	59.7	55.9 - 63.3	845	57.0	52.0 - 61.6	514	63.3	57.2 - 68.8
New Brunswick	1,147	64.2	60.3 - 67.8	672	65.4	60.0 - 70.2	475	61.1	55.1 - 66.5
Newfoundland and Labrador	414	51.4	45.2 - 57.3	236	53.7	45.2 - 61.4	178	47.9	39.1 - 56.2
Ontario	18,384	62.6	61.6 - 63.6	10,789	62.1	60.7 - 63.5	7,595	63.2	61.6 - 64.7
Prince Edward Island	142	63.2	53.0 - 71.9	82	62.5	47.9 - 74.1	60	57.5	42.7 - 69.7*
Saskatchewan	1,344	64.7	60.9 - 68.2	829	63.8	58.9 - 68.3	515	65.6	59.7 - 70.9
NAACCR N.A. Combined	328,083	58.1	57.8 - 58.3	192,190	57.9	57.6 - 58.2	135,893	58.2	57.8 - 58.6

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, All Races, Mesothelioma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	19,778	15.6	14.7 - 16.4	14,816	13.1	12.1 - 14.2	4,962	20.6	19.0 - 22.2
Alabama	271	11.3	6.5 - 17.6 *	211	6.5	2.5 - 13.3 *	60	26.7	14.9 - 40.1 *
Alaska	45	-		36	-		-	-	
Arizona	478	16.9	11.8 - 22.8	376	16.3	10.7 - 23.0	102	14.3	6.5 - 25.0 *
Arkansas	163	14.0	7.9 - 21.7 *	126	13.8	7.0 - 22.7 *	37	14.9	4.4 - 31.3 *
California	2,312	13.7	11.3 - 16.3	1,701	10.9	8.0 - 14.2	611	17.7	13.5 - 22.3
CA - Greater California	1,366	14.3	11.2 - 17.8	1,023	8.3	5.9 - 11.2 *	343	21.1	15.4 - 27.4
CA - Greater Bay Area	450	8.9	5.3 - 13.7 *	322	9.0	5.0 - 14.3 *	128	10.3	3.7 - 20.6 *
CA - Los Angeles	495	12.4	8.2 - 17.4	355	7.0	3.3 - 12.5 *	140	13.6	7.3 - 22.0 *
Colorado	306	12.5	7.3 - 19.2 *	233	10.9	5.5 - 18.4 *	73	17.3	6.8 - 31.8 *
Connecticut	293	10.7	6.7 - 15.7 *	231	11.1	5.9 - 18.0	62	20.8	10.5 - 33.6 *
Delaware	101	15.5	6.8 - 27.4 *	84	12.0	4.6 - 23.3 *	17	-	
Florida	1,592	17.7	14.7 - 21.0	1,186	13.4	9.8 - 17.7	406	23.8	18.5 - 29.4
Georgia	405	14.5	10.1 - 19.7	304	11.6	6.6 - 18.1 *	101	12.2	4.9 - 23.1 *
Hawaii	55	13.0	4.5 - 26.1 *	46	6.7	1.3 - 18.9 *	-	-	
Idaho	156	10.1	4.0 - 19.5 *	122	8.6	2.8 - 18.6 *	34	-	
Illinois	959	13.6	10.0 - 17.8	686	11.8	7.4 - 17.3	273	14.9	9.4 - 21.4 *
Iowa	226	13.9	8.0 - 21.4 *	170	9.4	4.1 - 17.1 *	56	25.4	11.2 - 42.3 *
Kansas	168	10.7	5.3 - 18.2 *	124	8.6	3.5 - 16.7 *	44	16.3	4.1 - 35.6 *
Kentucky	250	9.1	5.1 - 14.5 *	192	6.6	2.7 - 12.8 *	58	17.5	8.7 - 28.9
Louisiana	446	10.5	5.5 - 17.3	319	5.9	2.7 - 10.8 *	127	10.0	5.3 - 16.5
Maine	175	13.1	5.9 - 23.4 *	132	10.6	2.8 - 24.4 *	43	17.4	6.6 - 32.5 *
Maryland	342	20.6	14.4 - 27.6	241	15.1	8.3 - 23.9	101	32.2	21.5 - 43.3 *
MI - Detroit	268	9.2	4.2 - 16.6 *	206	7.5	3.0 - 14.7 *	62	-	
Minnesota	503	19.6	14.8 - 24.9	366	10.2	6.5 - 14.8 *	137	28.1	19.8 - 36.9
Mississippi	181	10.3	4.2 - 19.5 *	129	8.5	3.4 - 16.5 *	52	-	
Missouri	369	12.1	8.0 - 17.1	276	6.0	2.6 - 11.3 *	93	19.8	10.9 - 30.7 *
Montana	118	14.3	7.8 - 22.6 *	88	10.6	4.5 - 19.7 *	30	26.6	10.3 - 46.1 *
Nebraska	112	9.6	2.8 - 21.8 *	82	5.7	0.7 - 19.4 *	30	21.7	7.5 - 40.5 *
New Hampshire	117	12.2	6.0 - 20.8 *	92	6.3	1.5 - 16.4 *	25	25.9	10.0 - 45.2 *
New Jersey	806	17.0	13.3 - 21.0	582	15.2	10.9 - 20.2	224	20.1	13.1 - 28.2
New Mexico	130	16.4	9.5 - 24.9 *	101	18.5	10.5 - 28.4 *	29	-	
New York	1,388	16.0	13.0 - 19.4	1,023	11.8	8.4 - 15.8	365	24.1	18.3 - 30.3
North Carolina	526	18.2	13.9 - 23.0	406	11.1	7.1 - 16.1 *	120	28.3	20.7 - 36.5
North Dakota	50	17.5	5.9 - 34.2 *	40	14.7	3.7 - 32.7 *	10	-	
Ohio	948	7.2	4.7 - 10.4 *	724	5.7	3.2 - 9.2 *	224	12.1	6.3 - 20.1 *
Oklahoma	207	14.6	8.4 - 22.4 *	161	10.5	4.8 - 18.7 *	46	23.0	10.0 - 39.0 *
Oregon	318	11.7	7.3 - 17.3 *	241	15.4	9.8 - 22.2 *	77	0.0	
Pennsylvania	1,287	15.5	12.0 - 19.3	958	14.4	10.5 - 18.9	329	10.1	5.1 - 17.1 *
Rhode Island	92	13.4	5.4 - 25.1 *	75	-		17	-	
South Carolina	340	11.6	6.2 - 18.8	253	11.1	5.8 - 18.2 *	87	11.5	2.9 - 26.8 *
South Dakota	52	-		41	-		11	-	
Tennessee	370	11.2	7.3 - 16.1	285	4.6	1.4 - 10.9	85	21.1	11.2 - 33.0 *
Texas	1,276	18.4	15.6 - 21.5	964	16.8	13.1 - 20.8	312	23.9	18.2 - 30.0
Utah	130	14.9	7.6 - 24.5 *	94	6.6	2.4 - 13.9	36	25.8	9.5 - 45.9 *
Vermont	48	9.2	0.9 - 29.5 *	42	5.3	0.4 - 20.7 *	-	-	
Washington	626	13.0	9.2 - 17.6	486	6.7	4.0 - 10.4 *	140	15.6	9.0 - 23.8 *
WA - Seattle	443	9.2	5.9 - 13.5 *	344	6.8	3.7 - 11.1 *	99	19.4	9.7 - 31.4 *
West Virginia	184	7.1	2.8 - 14.1 *	150	5.6	1.7 - 12.9 *	34	14.1	2.7 - 34.6 *
Wisconsin	533	19.0	14.4 - 24.1	392	6.9	3.9 - 11.1 *	141	29.8	20.8 - 39.4
Wyoming	56	22.4	9.8 - 38.2 *	39	24.8	9.6 - 43.6 *	17	-	
NAACCR CDN Combined	2,842	14.7	12.4 - 17.2	2,264	11.8	8.9 - 15.2	578	21.4	16.6 - 26.5
Alberta	357	6.9	3.5 - 12.0 *	292	5.4	2.2 - 10.8 *	65	15.2	5.0 - 30.5 *
British Columbia	609	8.3	5.3 - 12.1 *	506	8.1	5.1 - 11.9 *	103	9.4	2.9 - 20.6 *
Manitoba	151	4.4	0.6 - 15.0 *	123	4.6	0.6 - 15.7 *	28	-	
New Brunswick	89	10.0	4.4 - 18.4 *	65	9.9	3.5 - 20.2 *	24	9.8	1.7 - 26.7 *
Newfoundland and Labrador	37	-		30	-		-	-	
Ontario	1,468	18.1	14.9 - 21.6	1,146	11.9	7.7 - 17.0	322	30.1	24.0 - 36.4
Prince Edward Island	23	0.0		16	0.0		-	-	
Saskatchewan	108	10.5	4.1 - 20.5 *	86	0.0		22	27.6	11.2 - 46.9 *
NAACCR N.A. Combined	22,620	15.5	14.7 - 16.3	17,080	13.0	12.1 - 14.0	5,540	20.7	19.2 - 22.2

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, All Sites (invasive)**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	8,016,343	65.2	65.2 - 65.3	4,048,464	63.6	63.5 - 63.6	3,967,879	66.7	66.6 - 66.7
Alabama	129,344	62.0	61.6 - 62.4	68,134	60.1	59.6 - 60.7	61,210	63.6	63.0 - 64.2
Alaska	14,118	65.0	63.7 - 66.3	7,499	63.1	61.2 - 64.9	6,619	66.9	64.9 - 68.7
Arizona	181,691	62.9	62.5 - 63.2	91,871	59.9	59.4 - 60.4	89,820	65.6	65.2 - 66.1
Arkansas	89,377	62.5	62.0 - 63.0	47,521	61.2	60.5 - 61.9	41,856	63.7	62.9 - 64.4
California	853,147	65.5	65.3 - 65.7	423,297	63.9	63.7 - 64.2	429,850	66.8	66.6 - 67.0
CA - Greater California	516,679	64.4	64.2 - 64.6	258,031	62.6	62.3 - 62.8	258,648	65.9	65.6 - 66.1
CA - Greater Bay Area	149,671	69.7	69.4 - 70.1	75,141	69.0	68.4 - 69.5	74,530	70.3	69.8 - 70.8
CA - Los Angeles	186,507	65.0	64.7 - 65.3	90,021	63.4	62.9 - 63.9	96,486	66.2	65.7 - 66.7
Colorado	135,477	67.8	67.4 - 68.2	66,416	65.8	65.2 - 66.4	69,061	69.5	68.9 - 70.0
Connecticut	119,133	67.0	66.6 - 67.4	58,510	65.6	65.0 - 66.1	60,623	68.0	67.5 - 68.6
Delaware	29,932	65.5	64.7 - 66.3	15,464	64.4	63.2 - 65.5	14,468	66.4	65.2 - 67.5
Florida	667,503	65.0	64.8 - 65.1	345,896	62.9	62.7 - 63.2	321,607	66.9	66.6 - 67.1
Georgia	224,479	64.5	64.2 - 64.9	115,845	63.0	62.5 - 63.5	108,634	65.9	65.4 - 66.3
Hawaii	14,843	67.2	66.0 - 68.4	8,307	64.8	63.0 - 66.4	6,536	70.0	68.3 - 71.7
Idaho	49,717	65.8	65.2 - 66.5	25,659	64.7	63.8 - 65.6	24,058	66.6	65.7 - 67.6
Illinois	360,605	65.4	65.2 - 65.7	178,622	64.1	63.7 - 64.4	181,983	66.5	66.2 - 66.9
Iowa	111,085	64.7	64.2 - 65.1	56,659	63.0	62.3 - 63.6	54,426	66.2	65.6 - 66.8
Kansas	88,971	68.3	67.8 - 68.8	45,401	67.2	66.5 - 67.8	43,570	69.0	68.3 - 69.7
Kentucky	161,060	60.1	59.7 - 60.5	81,889	57.8	57.2 - 58.4	79,171	62.2	61.6 - 62.7
Louisiana	114,465	64.1	63.6 - 64.5	61,095	63.6	63.0 - 64.2	53,370	64.2	63.6 - 64.9
Maine	54,684	65.2	64.6 - 65.8	27,181	62.9	62.0 - 63.8	27,503	67.0	66.2 - 67.9
Maryland	134,266	68.0	67.6 - 68.4	66,579	67.4	66.8 - 68.0	67,687	68.3	67.8 - 68.8
MI - Detroit	109,549	65.7	65.2 - 66.1	54,935	64.9	64.3 - 65.6	54,614	66.1	65.5 - 66.7
Minnesota	173,857	69.1	68.8 - 69.5	88,126	67.6	67.1 - 68.1	85,731	70.4	69.9 - 70.9
Mississippi	71,005	62.1	61.5 - 62.7	37,821	61.0	60.1 - 61.8	33,184	63.0	62.2 - 63.9
Missouri	187,879	62.9	62.5 - 63.2	94,053	60.3	59.8 - 60.8	93,826	65.2	64.7 - 65.7
Montana	35,943	65.4	64.6 - 66.2	18,870	64.2	63.1 - 65.4	17,073	66.1	65.0 - 67.2
Nebraska	59,303	66.0	65.4 - 66.6	30,344	64.8	63.9 - 65.6	28,959	67.1	66.3 - 67.9
New Hampshire	51,235	68.3	67.6 - 68.9	25,750	66.9	66.0 - 67.8	25,485	69.5	68.6 - 70.4
New Jersey	270,117	67.8	67.6 - 68.1	133,362	67.3	66.9 - 67.6	136,755	68.0	67.7 - 68.4
New Mexico	53,365	62.6	61.9 - 63.2	26,508	59.7	58.9 - 60.6	26,857	64.9	64.1 - 65.8
New York	569,272	66.8	66.6 - 67.0	281,803	65.7	65.4 - 66.0	287,469	67.6	67.3 - 67.8
North Carolina	272,521	65.4	65.2 - 65.7	138,132	63.6	63.2 - 64.1	134,389	67.0	66.6 - 67.4
North Dakota	22,965	68.1	67.2 - 69.0	12,071	67.1	65.8 - 68.3	10,894	68.9	67.6 - 70.2
Ohio	361,395	64.1	63.9 - 64.4	179,365	62.0	61.6 - 62.4	182,030	66.0	65.6 - 66.3
Oklahoma	102,511	62.0	61.5 - 62.4	52,185	60.7	60.0 - 61.3	50,326	63.0	62.4 - 63.7
Oregon	128,015	67.6	67.2 - 68.0	63,828	66.1	65.5 - 66.7	64,187	68.9	68.4 - 69.5
Pennsylvania	445,977	65.5	65.3 - 65.7	221,107	63.6	63.3 - 64.0	224,870	67.1	66.8 - 67.4
Rhode Island	36,644	67.1	66.4 - 67.9	17,668	64.9	63.8 - 66.0	18,976	69.0	68.0 - 69.9
South Carolina	129,455	63.9	63.5 - 64.3	67,066	61.8	61.2 - 62.4	62,389	65.7	65.2 - 66.3
South Dakota	27,827	67.0	66.1 - 67.8	14,427	65.3	64.1 - 66.5	13,400	68.3	67.2 - 69.5
Tennessee	199,069	63.3	62.9 - 63.6	102,913	61.8	61.3 - 62.3	96,156	64.5	64.1 - 65.0
Texas	596,711	63.5	63.3 - 63.7	303,346	61.3	61.0 - 61.6	293,365	65.7	65.4 - 65.9
Utah	63,763	70.7	70.1 - 71.3	33,075	70.7	69.9 - 71.5	30,688	70.3	69.4 - 71.1
Vermont	23,650	66.7	65.7 - 67.6	11,740	65.0	63.6 - 66.4	11,910	67.8	66.5 - 69.1
Washington	205,445	67.6	67.3 - 67.9	102,685	65.9	65.4 - 66.4	102,760	69.1	68.7 - 69.6
WA - Seattle	144,098	68.7	68.3 - 69.1	72,564	67.3	66.8 - 67.9	71,534	69.9	69.3 - 70.4
West Virginia	74,465	60.9	60.3 - 61.4	37,833	58.4	57.6 - 59.2	36,632	63.1	62.3 - 63.9
Wisconsin	193,395	67.0	66.7 - 67.4	98,521	65.5	65.1 - 66.0	94,874	68.3	67.8 - 68.7
Wyoming	17,113	65.8	64.7 - 66.9	9,085	66.0	64.4 - 67.5	8,028	65.0	63.4 - 66.6

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

White

III-28 Survival – All Sites (invasive)

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, All Sites (CSI¹ - invasive)**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ²	95% CI ²	Count	RSR ²	95% CI ²	Count	RSR ²	95% CI ²
NAACCR U.S. Combined	8,415,312	65.8	65.7 - 65.8	4,284,837	64.6	64.6 - 64.7	4,130,475	67.0	67.0 - 67.1
Alabama	134,377	63.5	63.1 - 63.8	71,217	62.4	61.9 - 62.9	63,160	64.6	64.1 - 65.2
Alaska	14,659	-		7,825	64.0	62.3 - 65.7	6,834	-	
Arizona	189,104	63.3	63.0 - 63.7	96,284	61.3	60.8 - 61.8	92,820	65.6	65.1 - 66.0
Arkansas	94,016	64.7	64.2 - 65.1	50,405	64.1	63.4 - 64.7	43,611	65.3	64.6 - 66.0
California	893,366	64.7	64.6 - 64.9	446,842	63.5	63.3 - 63.7	446,524	66.1	65.9 - 66.3
CA - Greater California	540,909	63.8	63.6 - 64.0	272,394	62.4	62.1 - 62.6	268,515	65.3	65.1 - 65.6
CA - Greater Bay Area	156,899	67.7	67.4 - 68.1	79,384	66.7	66.2 - 67.2	77,515	68.9	68.4 - 69.4
CA - Los Angeles	194,773	64.5	64.2 - 64.8	94,669	63.5	63.1 - 64.0	100,104	65.5	65.1 - 66.0
Colorado	141,166	66.3	66.0 - 66.7	69,787	64.7	64.1 - 65.2	71,379	68.2	67.6 - 68.7
Connecticut	125,469	67.0	66.6 - 67.4	62,059	66.0	65.4 - 66.6	63,410	68.1	67.6 - 68.7
Delaware	31,377	64.6	63.8 - 65.4	16,335	63.4	62.3 - 64.4	15,042	-	
Florida	712,540	65.9	65.7 - 66.0	372,712	64.3	64.1 - 64.6	339,828	67.6	67.3 - 67.8
Georgia	235,761	65.2	64.8 - 65.5	122,868	64.0	63.6 - 64.5	112,893	66.4	66.0 - 66.8
Hawaii	15,570	-		8,784	-		6,786	-	
Idaho	52,058	-		27,078	-		24,980	-	
Illinois	378,636	66.0	65.8 - 66.3	189,097	65.2	64.8 - 65.5	189,539	67.0	66.7 - 67.3
Iowa	117,096	64.9	64.5 - 65.3	60,266	63.4	62.9 - 64.0	56,830	66.5	65.9 - 67.1
Kansas	93,511	67.3	66.8 - 67.7	48,112	66.3	65.7 - 66.8	45,399	68.4	67.7 - 69.0
Kentucky	169,174	63.5	63.2 - 63.9	86,787	62.1	61.6 - 62.7	82,387	65.0	64.5 - 65.6
Louisiana	120,057	65.0	64.6 - 65.4	64,643	64.6	64.1 - 65.2	55,414	65.4	64.8 - 66.0
Maine	57,475	66.1	65.5 - 66.7	28,784	64.4	63.5 - 65.3	28,691	67.9	67.1 - 68.7
Maryland	140,680	67.0	66.7 - 67.4	70,280	66.3	65.8 - 66.9	70,400	67.8	67.3 - 68.3
MI - Detroit	115,358	65.7	65.3 - 66.1	58,365	65.1	64.6 - 65.7	56,993	66.3	65.7 - 66.8
Minnesota	183,178	68.1	67.7 - 68.4	93,672	66.4	66.0 - 66.9	89,506	69.8	69.4 - 70.3
Mississippi	74,334	64.1	63.6 - 64.7	39,928	63.6	62.9 - 64.4	34,406	64.7	63.9 - 65.5
Missouri	196,797	64.8	64.4 - 65.1	99,350	63.3	62.9 - 63.8	97,447	66.3	65.9 - 66.8
Montana	37,722	64.3	63.5 - 65.0	19,946	62.7	61.7 - 63.8	17,776	-	
Nebraska	62,184	65.4	64.9 - 66.0	32,071	64.5	63.7 - 65.3	30,113	66.5	65.7 - 67.3
New Hampshire	53,846	67.0	66.3 - 67.6	27,247	65.7	64.8 - 66.6	26,599	68.3	67.5 - 69.2
New Jersey	284,943	66.9	66.6 - 67.2	141,934	66.0	65.6 - 66.3	143,009	67.9	67.5 - 68.3
New Mexico	55,559	62.3	61.7 - 62.9	27,719	60.7	59.8 - 61.6	27,840	64.0	63.2 - 64.9
New York	600,628	66.9	66.7 - 67.1	300,079	65.8	65.5 - 66.0	300,549	68.2	67.9 - 68.4
North Carolina	285,468	66.3	66.0 - 66.6	145,881	65.2	64.8 - 65.5	139,587	67.5	67.2 - 67.9
North Dakota	24,124	66.7	65.9 - 67.5	12,761	65.5	64.4 - 66.5	11,363	68.0	66.7 - 69.3
Ohio	378,540	65.1	64.8 - 65.3	189,281	64.0	63.7 - 64.3	189,259	66.2	65.9 - 66.5
Oklahoma	107,183	63.6	63.1 - 64.0	54,946	62.9	62.3 - 63.5	52,237	64.3	63.7 - 65.0
Oregon	133,774	67.3	66.9 - 67.6	67,243	66.1	65.6 - 66.6	66,531	68.5	68.0 - 69.1
Pennsylvania	469,118	66.1	65.9 - 66.3	234,558	65.1	64.8 - 65.4	234,560	67.2	66.9 - 67.4
Rhode Island	38,570	67.2	66.5 - 67.9	18,737	65.6	64.6 - 66.6	19,833	68.9	68.0 - 69.9
South Carolina	135,373	64.7	64.3 - 65.1	70,687	63.4	62.9 - 64.0	64,686	66.1	65.5 - 66.6
South Dakota	29,207	66.1	65.3 - 66.8	15,267	64.8	63.7 - 65.9	13,940	67.5	66.4 - 68.5
Tennessee	207,619	65.2	64.9 - 65.5	108,083	64.4	63.9 - 64.8	99,536	66.1	65.7 - 66.6
Texas	619,853	65.0	64.9 - 65.2	317,231	63.7	63.4 - 64.0	302,622	66.5	66.3 - 66.8
Utah	66,415	65.4	64.8 - 65.9	34,733	64.7	64.0 - 65.4	31,682	66.2	65.3 - 67.0
Vermont	24,745	65.5	64.6 - 66.4	12,362	64.5	63.2 - 65.7	12,383	-	
Washington	215,524	67.0	66.6 - 67.3	108,587	65.5	65.1 - 66.0	106,937	68.5	68.1 - 68.9
WA - Seattle	151,567	67.4	67.0 - 67.7	76,936	66.0	65.4 - 66.5	74,631	68.9	68.4 - 69.4
West Virginia	77,928	63.9	63.4 - 64.4	39,905	62.8	62.1 - 63.5	38,023	65.1	64.4 - 65.8
Wisconsin	203,451	66.7	66.4 - 67.1	104,606	65.3	64.9 - 65.8	98,845	68.3	67.9 - 68.7
Wyoming	17,779	-		9,493	-		8,286	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ If more than 30% of the site-specific age-standardized RSR estimates were not available for a jurisdiction, the "All Sites (CSI)" estimate was suppressed. See Technical Notes for the difference between age-standardized RSR and Standardized using a composite survival index (CSI).

² Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Oral Cavity & Pharynx**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	230,493	62.9	62.6 - 63.2	166,021	62.0	61.6 - 62.5	64,472	64.8	64.2 - 65.4
Alabama	4,256	63.5	61.0 - 65.9	3,051	60.8	57.5 - 64.0	1,205	68.1	64.2 - 71.7
Alaska	444	72.9	64.6 - 79.6	341	75.9	65.2 - 83.7	103	59.2	43.4 - 71.9
Arizona	4,685	61.6	59.3 - 63.8	3,440	60.9	58.1 - 63.6	1,245	63.0	58.9 - 66.9
Arkansas	2,835	62.3	58.9 - 65.5	2,079	61.4	57.8 - 64.8	756	63.1	56.3 - 69.1
California	23,722	62.9	61.9 - 64.0	17,200	62.1	60.8 - 63.4	6,522	65.1	63.3 - 66.8
CA - Greater California	14,917	62.0	60.7 - 63.3	10,922	61.4	59.7 - 63.0	3,995	64.1	61.8 - 66.3
CA - Greater Bay Area	4,062	68.3	65.8 - 70.6	2,925	66.0	62.8 - 69.0	1,137	72.2	68.3 - 75.8
CA - Los Angeles	4,737	60.3	58.0 - 62.5	3,351	60.1	57.2 - 62.8	1,386	59.5	55.4 - 63.4
Colorado	3,952	66.1	63.2 - 68.9	2,854	64.7	61.0 - 68.2	1,098	68.8	64.3 - 72.9
Connecticut	3,231	64.4	61.5 - 67.1	2,197	62.4	58.5 - 66.1	1,034	67.7	63.2 - 71.8
Delaware	844	65.0	59.1 - 70.3	622	62.4	54.6 - 69.1	222	69.0	59.9 - 76.5
Florida	21,313	59.4	58.3 - 60.5	15,794	58.2	56.9 - 59.5	5,519	61.9	60.0 - 63.7
Georgia	7,166	61.2	59.1 - 63.2	5,177	61.4	58.6 - 64.1	1,989	61.4	58.2 - 64.5
Hawaii	616	61.0	54.5 - 66.9	479	61.5	53.7 - 68.4	137	63.3	52.1 - 72.5*
Idaho	1,478	66.3	62.0 - 70.3	1,046	66.2	60.3 - 71.4	432	66.3	59.3 - 72.3
Illinois	10,247	63.5	61.8 - 65.0	7,304	62.7	60.7 - 64.7	2,943	65.1	62.5 - 67.7
Iowa	3,222	68.3	65.4 - 71.1	2,292	67.5	63.8 - 70.8	930	69.6	64.3 - 74.3
Kansas	2,464	65.3	62.0 - 68.5	1,810	63.6	59.5 - 67.4	654	67.4	61.8 - 72.4
Kentucky	4,776	59.1	56.3 - 61.7	3,449	58.9	55.4 - 62.3	1,327	59.6	55.0 - 64.0
Louisiana	3,588	62.3	59.4 - 65.0	2,625	62.2	58.7 - 65.5	963	62.4	56.9 - 67.4
Maine	1,625	65.5	61.5 - 69.3	1,176	64.7	59.7 - 69.2	449	65.6	58.2 - 72.1
Maryland	3,927	66.1	63.5 - 68.6	2,808	65.9	62.6 - 69.0	1,119	65.4	61.0 - 69.4
MI - Detroit	3,053	59.3	56.3 - 62.3	2,214	57.2	53.5 - 60.7	839	64.3	58.7 - 69.4
Minnesota	4,864	70.9	68.5 - 73.1	3,353	70.8	67.7 - 73.7	1,511	70.9	67.1 - 74.4
Mississippi	2,270	57.1	53.1 - 60.8	1,659	53.8	48.9 - 58.4	611	61.0	54.9 - 66.6
Missouri	5,630	63.0	60.7 - 65.2	4,127	62.6	59.7 - 65.5	1,503	63.2	59.4 - 66.8
Montana	969	64.1	58.8 - 69.0	694	64.7	58.9 - 69.9	275	61.8	52.7 - 69.6
Nebraska	1,631	67.5	63.5 - 71.3	1,173	65.6	60.3 - 70.4	458	70.5	63.8 - 76.3
New Hampshire	1,372	62.7	58.0 - 67.0	999	61.7	55.6 - 67.2	373	63.5	55.6 - 70.4
New Jersey	6,574	61.0	59.1 - 62.9	4,578	58.4	55.9 - 60.8	1,996	65.5	62.3 - 68.5
New Mexico	1,440	60.6	56.6 - 64.4	1,069	59.3	54.7 - 63.5	371	61.9	54.7 - 68.3
New York	13,926	62.7	61.3 - 64.0	9,687	61.3	59.6 - 63.0	4,239	65.1	62.8 - 67.4
North Carolina	8,108	63.9	62.0 - 65.7	5,844	63.5	61.2 - 65.8	2,264	64.0	60.7 - 67.0
North Dakota	666	66.4	60.1 - 71.9	470	64.2	56.5 - 70.9	196	70.6	59.9 - 79.0
Ohio	10,339	62.9	61.1 - 64.6	7,408	60.4	58.1 - 62.7	2,931	67.1	64.3 - 69.7
Oklahoma	3,211	64.5	61.6 - 67.3	2,308	65.0	61.2 - 68.6	903	62.3	57.2 - 67.1
Oregon	3,844	68.3	65.4 - 71.0	2,772	67.4	63.5 - 70.9	1,072	69.8	64.8 - 74.1
Pennsylvania	11,909	62.1	60.5 - 63.6	8,346	61.5	59.5 - 63.5	3,563	63.9	61.4 - 66.2
Rhode Island	936	64.3	58.8 - 69.3	628	63.3	56.1 - 69.6	308	63.7	55.1 - 71.0
South Carolina	4,091	59.9	57.1 - 62.5	3,022	58.7	55.3 - 62.0	1,069	62.0	57.3 - 66.4
South Dakota	806	66.7	60.5 - 72.2	584	64.1	56.1 - 71.1	222	67.1	56.9 - 75.4
Tennessee	6,086	60.6	58.2 - 62.9	4,484	61.2	58.1 - 64.2	1,602	59.8	55.8 - 63.5
Texas	18,049	61.7	60.4 - 63.0	13,274	61.2	59.5 - 62.8	4,775	62.8	60.6 - 64.9
Utah	1,561	66.2	62.1 - 69.9	1,084	67.5	62.2 - 72.2	477	63.4	56.5 - 69.6
Vermont	652	63.0	56.4 - 68.9	485	61.8	53.8 - 68.8	167	64.5	52.0 - 74.5*
Washington	6,016	66.1	63.9 - 68.3	4,247	64.6	61.7 - 67.3	1,769	68.5	64.8 - 71.9
WA - Seattle	4,280	66.9	64.2 - 69.5	3,022	65.3	61.8 - 68.6	1,258	68.6	64.1 - 72.7
West Virginia	2,156	59.7	56.2 - 63.0	1,567	59.7	55.4 - 63.6	589	59.1	52.4 - 65.2
Wisconsin	5,474	64.3	62.1 - 66.4	3,862	63.4	60.5 - 66.1	1,612	65.9	62.2 - 69.3
Wyoming	469	64.0	55.7 - 71.2	339	63.6	54.7 - 71.2	130	66.0	51.7 - 77.0*

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Esophagus**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	90,670	20.8	20.4 - 21.2	72,706	20.1	19.7 - 20.6	17,964	23.8	22.9 - 24.8
Alabama	1,421	15.6	12.8 - 18.6	1,168	15.0	12.0 - 18.4	253	15.8	10.3 - 22.2 *
Alaska	200	22.7	15.7 - 30.5	157	23.3	15.4 - 32.2	43	19.3	6.9 - 36.3 *
Arizona	2,208	19.1	16.5 - 21.9	1,772	18.5	15.7 - 21.4	436	22.7	17.0 - 28.8 *
Arkansas	930	17.2	13.9 - 20.8 *	782	15.1	11.7 - 18.8 *	148	29.3	20.5 - 38.6 *
California	8,676	19.0	17.8 - 20.3	6,759	18.3	16.9 - 19.8	1,917	21.9	19.1 - 24.8
CA - Greater California	5,543	18.1	16.5 - 19.8	4,375	17.2	15.5 - 19.1	1,168	23.0	19.3 - 26.9
CA - Greater Bay Area	1,565	22.7	19.5 - 26.0	1,162	22.3	18.5 - 26.3	403	22.2	16.7 - 28.1 *
CA - Los Angeles	1,561	18.8	16.3 - 21.4	1,216	19.0	16.2 - 22.0	345	16.7	12.2 - 21.7
Colorado	1,548	19.4	16.5 - 22.6	1,288	18.4	15.3 - 21.6	260	24.6	18.1 - 31.6
Connecticut	1,371	27.7	24.3 - 31.2	1,078	27.2	23.3 - 31.2	293	29.3	21.7 - 37.2
Delaware	362	22.1	15.6 - 29.4	295	21.3	14.0 - 29.6	67	23.2	10.1 - 39.5 *
Florida	7,724	22.6	21.2 - 24.0	6,189	22.1	20.5 - 23.7	1,535	24.7	21.4 - 28.2
Georgia	2,365	19.0	16.7 - 21.5	1,921	19.4	16.7 - 22.3	444	18.0	13.5 - 23.1
Hawaii	176	13.4	7.3 - 21.4 *	139	14.1	7.5 - 22.8 *	37	-	-
Idaho	577	20.2	15.8 - 25.1 *	481	20.8	15.9 - 26.1 *	96	18.3	9.3 - 29.7 *
Illinois	4,255	22.3	20.5 - 24.2	3,429	21.5	19.5 - 23.5	826	26.6	22.4 - 31.1
Iowa	1,491	20.5	17.5 - 23.6 *	1,232	21.5	18.2 - 25.0 *	259	15.7	9.6 - 23.1 *
Kansas	985	20.8	17.2 - 24.7 *	800	21.4	17.4 - 25.6 *	185	17.6	9.7 - 27.5
Kentucky	1,764	17.8	15.1 - 20.6	1,446	16.3	13.4 - 19.4	318	22.1	16.5 - 28.3
Louisiana	1,199	18.4	15.3 - 21.7	992	15.7	12.5 - 19.2	207	30.8	23.6 - 38.1
Maine	850	23.3	19.2 - 27.6 *	683	22.8	18.3 - 27.6 *	167	25.3	15.8 - 35.9 *
Maryland	1,540	20.6	17.5 - 23.8	1,212	21.5	18.1 - 25.0	328	14.5	9.1 - 21.1 *
MI - Detroit	1,286	22.6	19.2 - 26.3	1,013	20.5	16.8 - 24.5	273	27.8	20.6 - 35.5 *
Minnesota	2,016	21.9	19.2 - 24.6	1,597	20.4	17.5 - 23.5	419	28.0	22.6 - 33.7
Mississippi	707	19.9	16.0 - 24.2	573	19.4	15.1 - 24.0	134	23.2	14.6 - 33.0 *
Missouri	2,347	17.4	15.2 - 19.8	1,901	16.8	14.4 - 19.5	446	18.9	13.8 - 24.7
Montana	433	20.5	15.6 - 25.8 *	352	21.3	15.9 - 27.3 *	81	18.6	9.3 - 30.3 *
Nebraska	697	17.3	13.2 - 21.9	572	16.4	11.9 - 21.5	125	18.8	10.5 - 29.0
New Hampshire	782	25.3	21.2 - 29.7	634	26.5	21.5 - 31.7	148	20.5	12.3 - 30.0
New Jersey	2,750	23.8	21.2 - 26.4	2,159	23.0	20.1 - 25.9	591	25.4	20.5 - 30.6 *
New Mexico	612	16.7	12.5 - 21.3	512	16.8	12.2 - 22.1	100	18.8	9.3 - 30.7 *
New York	6,066	22.1	20.5 - 23.7	4,648	20.6	18.8 - 22.5	1,418	27.5	24.2 - 30.8
North Carolina	2,750	18.7	16.5 - 20.9	2,254	18.0	15.6 - 20.5	496	22.6	17.4 - 28.2
North Dakota	262	21.3	14.5 - 28.9	208	18.0	11.0 - 26.5	54	28.4	15.3 - 43.0 *
Ohio	4,729	19.6	17.8 - 21.3	3,819	20.0	18.0 - 22.0	910	19.6	15.8 - 23.8
Oklahoma	1,133	19.5	16.2 - 23.0	919	19.1	15.4 - 23.0 *	214	25.4	17.9 - 33.5
Oregon	1,584	25.1	22.1 - 28.2 *	1,266	24.5	21.1 - 28.0 *	318	27.1	20.4 - 34.3 *
Pennsylvania	5,438	19.3	17.7 - 21.0	4,362	18.8	17.0 - 20.6	1,076	20.9	17.2 - 25.0
Rhode Island	406	26.2	20.9 - 31.7	301	26.0	20.0 - 32.5	105	26.7	17.8 - 36.5
South Carolina	1,419	18.9	15.8 - 22.2	1,137	16.8	13.4 - 20.5	282	24.1	18.0 - 30.7 *
South Dakota	313	17.6	12.2 - 23.9	257	16.4	11.0 - 22.8	56	27.7	12.4 - 45.5 *
Tennessee	2,179	19.6	17.1 - 22.3	1,807	20.0	17.2 - 22.9	372	16.2	10.8 - 22.6 *
Texas	6,249	22.7	21.2 - 24.3	5,085	22.0	20.2 - 23.8	1,164	27.0	23.6 - 30.4
Utah	542	17.9	13.4 - 23.1	454	18.0	13.0 - 23.6	88	10.1	1.3 - 30.0 *
Vermont	336	26.3	20.3 - 32.6 *	261	28.1	21.1 - 35.6 *	75	19.3	9.8 - 31.2 *
Washington	2,472	22.0	19.4 - 24.7	1,957	20.4	17.5 - 23.4	515	26.2	21.4 - 31.1
WA - Seattle	1,596	22.3	19.0 - 25.8	1,247	19.5	15.9 - 23.3	349	30.8	24.6 - 37.2 *
West Virginia	951	17.2	13.7 - 21.2	785	16.4	12.5 - 20.9	166	20.7	13.0 - 29.5 *
Wisconsin	2,382	21.8	19.3 - 24.4	1,893	21.6	18.9 - 24.4	489	21.6	16.4 - 27.2
Wyoming	187	17.0	10.2 - 25.4 *	157	20.2	12.3 - 29.4 *	30	0.0	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Stomach**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	111,425	32.7	32.3 - 33.1	70,773	29.2	28.7 - 29.7	40,652	39.0	38.4 - 39.7
Alabama	1,679	32.4	29.2 - 35.7	1,044	27.1	23.2 - 31.2	635	39.9	34.6 - 45.0
Alaska	178	31.0	21.6 - 40.8	122	31.7	21.4 - 42.5 *	56	-	
Arizona	2,477	30.5	28.0 - 33.1	1,609	27.8	24.8 - 30.9	868	35.5	31.2 - 39.8
Arkansas	1,164	28.4	24.6 - 32.3	756	24.3	20.1 - 28.7	408	36.4	30.1 - 42.8
California	14,705	29.5	28.4 - 30.5	8,960	26.2	24.9 - 27.5	5,745	34.8	33.1 - 36.5
CA - Greater California	7,987	27.6	26.2 - 29.0	4,974	24.0	22.3 - 25.8	3,013	33.6	31.3 - 35.9
CA - Greater Bay Area	2,353	32.1	29.5 - 34.8	1,423	30.2	26.9 - 33.5	930	35.1	31.0 - 39.3
CA - Los Angeles	4,338	31.3	29.4 - 33.2	2,543	27.7	25.3 - 30.2	1,795	36.1	33.1 - 39.2
Colorado	1,825	32.4	29.4 - 35.4	1,220	27.0	23.4 - 30.7	605	41.6	36.6 - 46.4
Connecticut	2,039	35.6	32.7 - 38.6	1,324	31.8	28.1 - 35.6	715	42.3	37.3 - 47.2
Delaware	387	31.5	25.1 - 38.0	248	31.7	23.4 - 40.3 *	139	29.1	19.8 - 39.1 *
Florida	8,499	33.3	31.9 - 34.7	5,398	30.9	29.1 - 32.7	3,101	37.5	35.1 - 39.8
Georgia	2,661	30.5	27.8 - 33.2	1,672	27.0	23.8 - 30.2	989	37.2	32.6 - 41.8
Hawaii	160	24.8	15.6 - 35.1 *	115	20.8	11.2 - 32.4 *	45	36.1	19.9 - 52.6 *
Idaho	593	28.9	23.6 - 34.3	395	27.7	21.4 - 34.3 *	198	30.4	21.6 - 39.8
Illinois	5,317	33.3	31.4 - 35.1	3,388	29.9	27.6 - 32.2	1,929	40.3	37.3 - 43.3
Iowa	1,168	29.5	25.9 - 33.2	758	26.3	21.8 - 31.0	410	35.2	28.7 - 41.8 *
Kansas	1,020	31.5	27.4 - 35.7	674	28.5	23.6 - 33.6	346	37.5	30.3 - 44.6
Kentucky	2,109	29.5	26.7 - 32.4	1,316	23.8	20.4 - 27.4	793	39.0	34.3 - 43.7
Louisiana	1,427	33.0	29.7 - 36.4	951	31.6	27.4 - 35.8	476	35.1	29.0 - 41.2 *
Maine	665	36.3	31.0 - 41.6	413	28.8	22.5 - 35.5	252	47.1	38.7 - 55.1
Maryland	1,732	37.1	33.9 - 40.3	1,108	31.8	28.0 - 35.6	624	46.6	41.3 - 51.8
MI - Detroit	1,527	30.1	26.8 - 33.4	962	26.7	22.7 - 30.9	565	35.1	29.5 - 40.8
Minnesota	2,110	34.2	31.5 - 36.9	1,404	29.0	25.7 - 32.3	706	44.0	39.3 - 48.7
Mississippi	872	27.9	23.7 - 32.2	542	22.7	17.9 - 27.9	330	37.9	30.0 - 45.7
Missouri	2,186	29.4	26.8 - 32.0	1,453	25.4	22.2 - 28.8	733	36.8	32.1 - 41.4
Montana	411	26.9	20.6 - 33.6	261	19.3	12.6 - 27.1	150	35.6	25.7 - 45.6 *
Nebraska	678	31.0	26.3 - 35.8	464	30.0	24.5 - 35.7	214	31.7	22.8 - 40.9 *
New Hampshire	588	41.9	36.3 - 47.5 *	382	35.6	28.9 - 42.5 *	206	52.9	43.1 - 61.7 *
New Jersey	4,263	35.2	33.1 - 37.2	2,638	30.7	28.1 - 33.2	1,625	42.8	39.3 - 46.3
New Mexico	916	30.7	26.6 - 34.8	553	28.7	23.5 - 34.0	363	33.9	27.6 - 40.4
New York	9,295	36.5	35.1 - 38.0	5,707	33.3	31.5 - 35.1	3,588	42.3	40.0 - 44.6
North Carolina	3,360	37.1	34.8 - 39.4	2,097	32.5	29.7 - 35.4	1,263	44.4	40.6 - 48.1
North Dakota	300	29.6	22.5 - 37.0 *	199	25.0	17.6 - 33.1	101	35.2	22.8 - 47.8 *
Ohio	4,886	33.4	31.5 - 35.4	3,208	30.0	27.7 - 32.4	1,678	40.1	36.8 - 43.3
Oklahoma	1,198	30.2	26.4 - 34.1	790	24.8	20.6 - 29.3	408	40.6	33.9 - 47.2
Oregon	1,597	33.6	30.3 - 36.8	1,061	30.0	26.0 - 34.0	536	38.9	33.3 - 44.4
Pennsylvania	5,921	33.5	31.8 - 35.2	3,919	30.2	28.1 - 32.3	2,002	40.4	37.5 - 43.3
Rhode Island	612	35.5	30.4 - 40.7	389	32.3	26.0 - 38.7	223	38.8	29.7 - 47.8
South Carolina	1,583	31.1	28.0 - 34.2	1,057	26.6	22.7 - 30.6	526	38.9	32.9 - 44.9
South Dakota	304	29.2	22.6 - 36.2	210	27.9	20.0 - 36.5 *	94	29.5	19.2 - 40.6 *
Tennessee	2,406	31.2	28.6 - 33.9	1,525	28.0	24.7 - 31.3	881	36.9	32.6 - 41.2
Texas	9,338	32.5	31.2 - 33.8	5,676	28.3	26.7 - 30.0	3,662	39.1	37.0 - 41.2
Utah	683	31.9	27.2 - 36.7	416	27.3	21.6 - 33.4	267	39.0	31.1 - 46.7
Vermont	290	28.7	21.2 - 36.7	192	23.8	15.7 - 32.9	98	35.1	20.2 - 50.5 *
Washington	2,504	32.3	29.8 - 34.9	1,671	29.7	26.7 - 32.7	833	37.9	33.5 - 42.2
WA - Seattle	1,736	31.7	28.7 - 34.8	1,156	28.7	25.2 - 32.2	580	38.0	32.8 - 43.2
West Virginia	995	28.9	25.1 - 32.8	626	25.3	20.8 - 30.0	369	35.1	28.6 - 41.6
Wisconsin	2,606	34.3	31.7 - 36.9	1,761	32.3	29.1 - 35.5	845	37.1	32.6 - 41.6
Wyoming	191	31.1	23.3 - 39.2	139	27.7	18.1 - 38.2 *	52	33.2	19.7 - 47.4 *

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Colon & Rectum**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	699,043	64.0	63.8 - 64.2	368,755	62.8	62.5 - 63.1	330,288	65.4	65.2 - 65.7
Alabama	12,308	63.0	61.5 - 64.4	6,658	61.0	58.9 - 63.0	5,650	65.4	63.3 - 67.3
Alaska	1,210	64.7	59.9 - 69.1	685	67.5	60.7 - 73.4	525	61.3	54.8 - 67.2
Arizona	15,823	61.1	59.9 - 62.2	8,591	59.1	57.4 - 60.7	7,232	63.5	61.9 - 65.2
Arkansas	8,474	63.5	61.7 - 65.2	4,555	63.0	60.5 - 65.3	3,919	64.4	61.9 - 66.8
California	74,593	63.8	63.2 - 64.3	39,118	62.6	61.8 - 63.4	35,475	65.1	64.4 - 65.9
CA - Greater California	44,668	62.9	62.2 - 63.6	23,496	61.5	60.5 - 62.6	21,172	64.4	63.4 - 65.4
CA - Greater Bay Area	12,377	67.7	66.4 - 69.0	6,439	66.4	64.4 - 68.2	5,938	69.0	67.1 - 70.7
CA - Los Angeles	17,445	62.9	61.7 - 64.0	9,143	62.2	60.5 - 63.8	8,302	63.8	62.1 - 65.4
Colorado	11,291	64.3	62.9 - 65.6	5,895	63.1	61.0 - 65.0	5,396	65.3	63.4 - 67.1
Connecticut	9,477	66.1	64.6 - 67.6	4,832	66.3	64.2 - 68.4	4,645	66.0	63.9 - 68.1
Delaware	2,288	63.4	60.2 - 66.4	1,227	61.6	56.9 - 66.0	1,061	65.2	60.7 - 69.3
Florida	55,250	62.7	62.0 - 63.3	29,308	60.6	59.7 - 61.5	25,942	65.1	64.2 - 66.0
Georgia	19,457	63.3	62.2 - 64.4	10,549	62.0	60.4 - 63.6	8,908	65.0	63.4 - 66.5
Hawaii	1,248	64.1	59.7 - 68.1	714	65.0	58.7 - 70.6	534	62.0	55.4 - 67.9
Idaho	4,118	61.9	59.6 - 64.1	2,192	59.7	56.3 - 62.9	1,926	63.9	60.5 - 67.0
Illinois	33,646	65.9	65.0 - 66.6	17,750	65.1	64.0 - 66.3	15,896	66.7	65.5 - 67.8
Iowa	10,672	66.5	65.1 - 67.9	5,509	65.7	63.6 - 67.7	5,163	67.2	65.1 - 69.2
Kansas	8,033	65.5	63.8 - 67.2	4,227	64.0	61.5 - 66.3	3,806	67.0	64.6 - 69.3
Kentucky	15,465	64.2	62.9 - 65.5	8,324	62.9	61.0 - 64.7	7,141	65.5	63.7 - 67.3
Louisiana	10,593	64.8	63.3 - 66.3	5,786	64.3	62.1 - 66.4	4,807	65.2	63.0 - 67.3
Maine	4,394	66.7	64.4 - 68.9	2,239	65.5	62.2 - 68.7	2,155	67.5	64.3 - 70.5
Maryland	10,735	65.6	64.2 - 67.0	5,481	64.9	62.9 - 66.9	5,254	66.4	64.4 - 68.3
MI - Detroit	9,074	63.0	61.3 - 64.6	4,576	63.4	60.9 - 65.8	4,498	62.5	60.2 - 64.7
Minnesota	14,555	67.8	66.6 - 69.0	7,591	67.2	65.5 - 68.9	6,964	68.6	66.9 - 70.3
Mississippi	6,973	62.4	60.4 - 64.3	3,781	61.3	58.5 - 64.1	3,192	63.0	60.3 - 65.7
Missouri	17,415	64.4	63.2 - 65.6	9,228	63.0	61.3 - 64.7	8,187	66.0	64.4 - 67.6
Montana	3,038	62.7	59.8 - 65.4	1,673	60.7	56.5 - 64.6	1,365	64.6	60.7 - 68.3
Nebraska	5,785	68.6	66.6 - 70.5	2,993	66.9	63.9 - 69.6	2,792	70.6	67.8 - 73.2
New Hampshire	4,027	65.6	63.2 - 67.9	2,116	64.7	61.1 - 68.1	1,911	66.2	62.8 - 69.3
New Jersey	23,691	63.9	62.9 - 64.8	12,069	62.4	61.0 - 63.8	11,622	65.6	64.2 - 66.8
New Mexico	4,791	58.2	56.0 - 60.3	2,553	57.7	54.7 - 60.7	2,238	58.8	55.6 - 61.9
New York	46,383	63.4	62.7 - 64.1	23,656	62.7	61.7 - 63.6	22,727	64.3	63.3 - 65.3
North Carolina	21,506	63.9	62.8 - 64.9	11,291	62.7	61.2 - 64.2	10,215	65.0	63.6 - 66.4
North Dakota	2,280	68.8	66.0 - 71.5	1,221	65.7	61.6 - 69.6	1,059	71.1	67.0 - 74.7
Ohio	33,402	63.9	63.0 - 64.7	17,313	62.8	61.6 - 64.0	16,089	65.1	63.9 - 66.3
Oklahoma	9,688	62.7	61.0 - 64.3	5,130	60.9	58.4 - 63.2	4,558	64.5	62.3 - 66.7
Oregon	10,410	67.3	65.9 - 68.6	5,512	66.0	63.9 - 68.0	4,898	68.5	66.6 - 70.4
Pennsylvania	40,348	64.1	63.3 - 64.8	20,878	62.9	61.8 - 64.0	19,470	65.5	64.4 - 66.5
Rhode Island	2,814	64.1	61.2 - 66.8	1,407	63.8	59.5 - 67.7	1,407	64.5	60.6 - 68.2
South Carolina	10,527	63.6	62.1 - 65.1	5,589	61.6	59.4 - 63.8	4,938	65.9	63.8 - 67.9
South Dakota	2,616	64.8	61.8 - 67.6	1,385	60.4	56.0 - 64.4	1,231	69.1	65.0 - 72.8
Tennessee	17,208	63.6	62.3 - 64.8	9,010	62.6	60.9 - 64.3	8,198	64.8	63.1 - 66.5
Texas	55,813	63.3	62.7 - 64.0	31,171	61.7	60.7 - 62.6	24,642	65.4	64.4 - 66.3
Utah	4,746	65.1	62.9 - 67.2	2,530	64.1	61.1 - 66.9	2,216	66.2	63.0 - 69.1
Vermont	1,912	59.9	56.6 - 63.1	963	59.8	54.8 - 64.4	949	60.1	55.1 - 64.8
Washington	16,325	65.8	64.7 - 66.9	8,485	64.5	62.9 - 66.1	7,840	67.5	66.0 - 69.0
WA - Seattle	11,161	65.8	64.4 - 67.2	5,833	64.1	62.0 - 66.0	5,328	68.1	66.2 - 69.9
West Virginia	7,404	61.5	59.6 - 63.3	3,914	60.4	57.6 - 63.1	3,490	62.5	59.9 - 64.9
Wisconsin	15,825	65.8	64.6 - 67.0	8,296	64.5	62.8 - 66.2	7,529	67.0	65.3 - 68.6
Wyoming	1,412	58.6	54.5 - 62.4	784	56.8	51.0 - 62.2	628	60.8	55.0 - 66.0

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Liver & Intrahepatic Bile Duct**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	146,573	18.0	17.6 - 18.3	105,493	17.2	16.8 - 17.6	41,080	19.9	19.4 - 20.5
Alabama	2,167	13.3	11.1 - 15.8	1,556	13.3	10.5 - 16.4	611	14.8	10.9 - 19.2
Alaska	314	15.8	10.7 - 21.8 *	250	15.0	9.5 - 21.8 *	64	19.0	8.5 - 32.6 *
Arizona	3,631	18.2	16.1 - 20.4	2,605	18.2	15.6 - 20.9	1,026	19.5	15.7 - 23.5
Arkansas	1,462	17.8	14.5 - 21.4	1,078	15.3	11.6 - 19.5	384	23.3	17.6 - 29.4 *
California	19,807	18.5	17.6 - 19.4	14,128	17.9	16.9 - 19.0	5,679	19.9	18.3 - 21.5
CA - Greater California	11,813	17.3	16.1 - 18.4	8,521	16.4	15.0 - 17.8	3,292	19.3	17.2 - 21.4
CA - Greater Bay Area	3,424	21.7	19.4 - 24.0	2,451	21.6	18.9 - 24.4	973	21.9	17.8 - 26.3
CA - Los Angeles	4,549	19.0	17.3 - 20.8	3,140	18.6	16.5 - 20.7	1,409	20.0	16.8 - 23.3
Colorado	2,499	17.2	14.7 - 19.8	1,817	17.6	15.0 - 20.4 *	682	19.9	15.9 - 24.3
Connecticut	2,106	18.5	16.1 - 21.1	1,573	17.7	14.7 - 20.9	533	20.2	15.6 - 25.3
Delaware	508	23.0	18.1 - 28.3	375	19.9	14.9 - 25.3	133	27.8	19.0 - 37.3 *
Florida	11,857	19.1	18.0 - 20.3	8,681	17.9	16.5 - 19.3	3,176	22.1	19.9 - 24.2
Georgia	3,907	16.2	14.4 - 18.0	2,824	15.4	13.3 - 17.5	1,083	17.1	14.0 - 20.6
Hawaii	328	18.9	13.8 - 24.7 *	248	21.0	14.8 - 27.9 *	80	13.4	5.9 - 23.9 *
Idaho	822	14.2	10.6 - 18.4 *	592	14.1	9.7 - 19.2 *	230	15.3	10.0 - 21.8 *
Illinois	5,711	19.2	17.7 - 20.9	3,927	18.8	16.8 - 20.9	1,784	20.1	17.5 - 22.9
Iowa	1,556	15.8	13.2 - 18.5 *	1,078	12.3	9.5 - 15.5	478	15.0	10.6 - 20.0 *
Kansas	1,331	19.4	16.1 - 22.8	969	18.0	14.0 - 22.4	362	23.0	17.6 - 28.8
Kentucky	2,678	13.8	11.8 - 16.0	1,913	12.9	10.3 - 15.9	765	16.2	13.0 - 19.8
Louisiana	2,135	17.3	14.7 - 20.1	1,615	17.0	14.0 - 20.3	520	18.3	13.4 - 23.8 *
Maine	654	16.4	12.1 - 21.3	491	17.7	12.5 - 23.5	163	10.7	4.3 - 20.3 *
Maryland	2,179	22.3	19.9 - 24.9	1,553	21.7	18.9 - 24.6 *	626	27.6	23.5 - 31.9
MI - Detroit	1,698	23.4	20.2 - 26.7	1,231	24.2	20.6 - 27.9	467	22.0	16.7 - 27.8
Minnesota	2,334	18.1	15.6 - 20.7	1,631	16.7	13.8 - 19.8	703	20.6	16.3 - 25.1
Mississippi	1,444	17.5	14.0 - 21.3	1,087	16.3	12.4 - 20.6	357	19.0	13.8 - 24.8
Missouri	3,017	16.7	14.6 - 18.8	2,164	15.5	13.0 - 18.1	853	18.1	14.5 - 22.1
Montana	488	13.8	8.9 - 19.7	354	12.8	8.5 - 18.1	134	8.6	2.9 - 18.3 *
Nebraska	698	16.8	12.9 - 21.3	503	17.4	12.2 - 23.4	195	15.1	8.8 - 23.0 *
New Hampshire	676	18.8	14.0 - 24.2	526	17.2	13.1 - 21.8	150	21.2	12.3 - 31.8 *
New Jersey	4,253	20.5	18.7 - 22.3	3,061	20.2	18.1 - 22.5	1,192	19.9	16.5 - 23.5
New Mexico	1,450	16.1	13.2 - 19.2	1,091	17.4	14.3 - 20.9 *	359	14.3	9.4 - 20.3 *
New York	9,796	18.6	17.4 - 19.8	7,030	17.8	16.3 - 19.2	2,766	20.6	18.4 - 22.9
North Carolina	4,950	14.7	13.2 - 16.4	3,583	14.4	12.6 - 16.3	1,367	15.3	12.6 - 18.3
North Dakota	224	9.3	4.8 - 15.7 *	160	7.5	3.1 - 14.5 *	64	13.8	4.4 - 28.6 *
Ohio	5,067	17.5	16.0 - 19.2	3,531	16.2	14.3 - 18.1	1,536	19.1	16.4 - 22.0
Oklahoma	1,701	17.3	14.6 - 20.2	1,228	16.6	13.1 - 20.5	473	19.8	15.6 - 24.5
Oregon	2,722	20.1	17.5 - 22.8	1,985	19.0	15.6 - 22.7	737	21.3	17.0 - 25.9
Pennsylvania	7,158	17.3	15.9 - 18.8	5,203	17.1	15.4 - 18.9	1,955	17.8	15.3 - 20.5
Rhode Island	659	16.2	12.1 - 20.7	484	17.6	12.8 - 23.1 *	175	17.2	11.4 - 24.1
South Carolina	2,305	15.5	13.1 - 18.2	1,713	15.7	12.7 - 19.0	592	18.7	14.5 - 23.4
South Dakota	359	13.3	9.2 - 18.2	252	9.9	6.4 - 14.4	107	19.8	11.4 - 29.9
Tennessee	3,393	15.1	13.0 - 17.3	2,447	14.7	12.2 - 17.5	946	17.0	13.3 - 21.0
Texas	17,001	18.4	17.5 - 19.4	12,154	17.2	16.0 - 18.4	4,847	21.9	20.2 - 23.6
Utah	949	19.1	15.6 - 23.0	677	17.6	13.2 - 22.5	272	23.5	16.3 - 31.5 *
Vermont	294	18.8	12.4 - 26.2	229	18.7	11.4 - 27.3	65	20.5	9.1 - 35.0 *
Washington	4,004	19.9	17.8 - 22.0	2,870	20.2	17.7 - 22.9	1,134	20.0	16.7 - 23.5
WA - Seattle	2,816	20.3	17.9 - 22.8	2,041	20.4	17.5 - 23.4	775	20.6	16.4 - 25.1
West Virginia	1,160	11.2	8.5 - 14.3	843	11.6	8.3 - 15.5	317	11.2	6.6 - 17.2 *
Wisconsin	2,843	18.0	15.8 - 20.3	1,980	15.9	13.3 - 18.7	863	22.3	18.5 - 26.4
Wyoming	278	19.2	12.9 - 26.4	203	17.4	10.4 - 26.0	75	19.4	9.1 - 32.4 *

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

White

III-34 Survival – Liver & Intrahepatic Bile Duct

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Pancreas**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	237,094	13.2	13.0 - 13.4	124,738	12.6	12.3 - 12.9	112,356	14.0	13.7 - 14.4
Alabama	3,714	10.9	9.4 - 12.5	2,043	10.9	8.8 - 13.3	1,671	10.7	8.6 - 13.0
Alaska	411	9.2	5.7 - 13.7	225	12.2	7.5 - 18.2	186	5.6	2.1 - 11.6 *
Arizona	5,792	12.8	11.5 - 14.2	3,141	12.8	11.1 - 14.7	2,651	12.7	10.6 - 14.9
Arkansas	2,343	10.5	8.6 - 12.5	1,300	10.1	7.9 - 12.6	1,043	11.9	8.9 - 15.4
California	25,602	12.8	12.1 - 13.4	13,395	11.9	11.0 - 12.7	12,207	13.8	12.9 - 14.8
CA - Greater California	15,349	12.0	11.2 - 12.8	8,097	10.9	9.8 - 12.0	7,252	13.2	12.0 - 14.5
CA - Greater Bay Area	4,508	15.7	14.2 - 17.3	2,363	15.4	13.4 - 17.6	2,145	16.7	14.4 - 19.2
CA - Los Angeles	5,719	12.5	11.1 - 13.9	2,922	11.4	9.6 - 13.3	2,797	13.4	11.5 - 15.5
Colorado	3,951	14.1	12.5 - 15.9	2,117	12.9	10.7 - 15.3	1,834	15.2	12.8 - 17.7
Connecticut	3,753	15.7	14.0 - 17.5	1,905	16.0	13.5 - 18.7	1,848	14.9	12.6 - 17.5
Delaware	899	14.0	10.5 - 18.1	496	12.2	8.0 - 17.4	403	13.5	9.6 - 18.1 *
Florida	20,176	14.8	14.0 - 15.6	10,815	13.9	12.8 - 14.9	9,361	15.9	14.8 - 17.1
Georgia	6,168	11.4	10.2 - 12.7	3,312	10.9	9.3 - 12.7	2,856	12.0	10.2 - 14.0
Hawaii	429	13.7	9.9 - 18.2	252	10.2	5.5 - 16.6 *	177	9.4	4.8 - 15.8 *
Idaho	1,595	9.8	7.5 - 12.4	868	9.6	6.8 - 13.1	727	7.9	5.1 - 11.5 *
Illinois	10,829	14.2	13.2 - 15.2	5,650	14.1	12.7 - 15.5	5,179	14.4	12.8 - 16.0
Iowa	3,348	12.5	10.8 - 14.4	1,738	11.1	8.8 - 13.8	1,610	14.1	11.6 - 16.8
Kansas	2,359	13.5	11.5 - 15.7	1,198	12.9	10.1 - 16.0	1,161	14.1	11.1 - 17.5
Kentucky	4,368	11.0	9.6 - 12.5	2,294	10.1	8.3 - 12.1	2,074	11.9	9.6 - 14.4
Louisiana	3,448	10.7	9.2 - 12.3	1,828	9.4	7.5 - 11.6	1,620	12.1	9.9 - 14.6
Maine	1,615	11.5	9.2 - 14.0	817	10.0	7.3 - 13.2 *	798	12.2	9.0 - 15.8
Maryland	3,906	15.7	14.1 - 17.4	2,077	15.5	13.2 - 17.9	1,829	15.8	13.6 - 18.2
MI - Detroit	3,423	11.9	10.2 - 13.7	1,768	11.4	9.2 - 13.8	1,655	12.4	9.7 - 15.5
Minnesota	5,112	14.0	12.6 - 15.5	2,746	13.4	11.7 - 15.3	2,366	15.2	13.1 - 17.4
Mississippi	2,230	8.2	6.5 - 10.1	1,213	7.6	5.7 - 9.9	1,017	9.0	6.5 - 12.1
Missouri	5,216	11.4	10.1 - 12.7	2,772	10.7	9.0 - 12.6	2,444	12.4	10.5 - 14.5
Montana	996	14.0	10.7 - 17.7	523	13.8	9.7 - 18.6	473	11.4	7.7 - 15.8 *
Nebraska	1,754	15.0	12.6 - 17.6	941	11.9	9.0 - 15.2	813	18.1	14.3 - 22.3
New Hampshire	1,381	15.6	12.9 - 18.6	737	13.5	10.5 - 16.9	644	13.7	10.0 - 18.1 *
New Jersey	8,385	14.9	13.7 - 16.2	4,197	14.6	12.9 - 16.3	4,188	15.6	13.9 - 17.4
New Mexico	1,685	8.9	6.7 - 11.3	889	7.1	4.9 - 9.9	796	10.7	7.6 - 14.5
New York	17,780	14.7	13.9 - 15.5	9,126	14.3	13.3 - 15.5	8,654	15.3	14.1 - 16.6
North Carolina	7,562	12.9	11.8 - 14.0	3,977	11.2	9.8 - 12.8	3,585	14.7	13.1 - 16.5
North Dakota	644	13.7	10.1 - 17.7	338	11.2	7.2 - 16.2 *	306	17.0	11.2 - 23.8
Ohio	10,159	11.2	10.2 - 12.2	5,190	9.7	8.5 - 11.0	4,969	13.2	11.8 - 14.6
Oklahoma	2,767	11.2	9.4 - 13.1	1,389	11.0	8.7 - 13.6	1,378	11.3	9.0 - 13.9
Oregon	3,965	13.4	11.7 - 15.1	2,120	12.7	10.2 - 15.4	1,845	13.7	11.4 - 16.2
Pennsylvania	14,018	13.5	12.6 - 14.4	7,367	12.9	11.7 - 14.1	6,651	14.4	13.0 - 15.8
Rhode Island	1,037	16.1	13.0 - 19.5	557	14.8	10.6 - 19.6	480	17.5	13.1 - 22.3
South Carolina	3,740	10.5	8.8 - 12.3	2,017	10.4	8.4 - 12.6	1,723	10.5	7.8 - 13.7
South Dakota	836	14.5	11.3 - 18.2	436	14.2	10.1 - 19.0	400	15.7	10.8 - 21.3
Tennessee	5,289	11.3	10.1 - 12.6	2,779	10.1	8.4 - 11.9	2,510	12.8	11.0 - 14.6
Texas	17,421	14.7	13.9 - 15.5	9,215	14.5	13.5 - 15.6	8,206	14.9	13.8 - 16.1
Utah	1,795	12.1	9.9 - 14.4	979	9.7	7.4 - 12.3 *	816	11.9	8.8 - 15.5
Vermont	675	15.7	11.5 - 20.4	360	18.5	13.0 - 24.6	315	10.4	6.0 - 16.1 *
Washington	6,130	13.9	12.6 - 15.3	3,172	13.6	11.8 - 15.5	2,958	14.4	12.4 - 16.6
WA - Seattle	4,140	13.6	11.9 - 15.3	2,118	12.2	10.2 - 14.3	2,022	14.3	11.6 - 17.3
West Virginia	2,006	8.9	7.0 - 10.9	1,022	7.6	5.4 - 10.3 *	984	9.6	7.0 - 12.7
Wisconsin	5,913	13.8	12.5 - 15.1	3,181	13.2	11.5 - 15.1	2,732	14.9	13.0 - 17.0
Wyoming	469	11.3	7.7 - 15.5	256	12.6	8.1 - 18.1	213	9.2	5.2 - 14.5

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Larynx

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	64,808	60.5	59.9 - 61.2	51,467	61.2	60.5 - 62.0	13,341	56.9	55.6 - 58.3
Alabama	1,361	58.6	53.5 - 63.3	1,066	61.2	55.4 - 66.6	295	48.5	39.8 - 56.6
Alaska	93	48.3	34.2 - 61.1	79	52.5	35.6 - 66.9	14	-	
Arizona	1,143	55.2	50.3 - 59.9	931	53.5	47.5 - 59.1	212	56.3	46.6 - 64.9
Arkansas	842	53.7	47.7 - 59.3	647	53.8	47.8 - 59.4*	195	51.0	38.3 - 62.3
California	4,720	62.4	60.2 - 64.5	3,933	63.1	60.5 - 65.5	787	56.7	51.7 - 61.4
CA - Greater California	2,960	60.2	57.5 - 62.9	2,430	61.1	57.9 - 64.1	530	54.2	48.3 - 59.8
CA - Greater Bay Area	751	68.6	62.8 - 73.7	636	68.9	62.5 - 74.4	115	64.8	49.4 - 76.5*
CA - Los Angeles	1,004	63.3	58.2 - 67.9	864	63.6	58.3 - 68.3	140	59.8	48.0 - 69.7
Colorado	865	58.3	52.9 - 63.3	686	58.2	52.1 - 63.9	179	60.5	49.9 - 69.6*
Connecticut	950	63.0	57.8 - 67.8	744	64.4	58.4 - 69.8	206	54.6	44.3 - 63.8
Delaware	253	61.7	50.6 - 71.0	190	65.5	53.7 - 75.0*	63	-	
Florida	6,338	58.2	56.2 - 60.2	5,162	57.5	55.2 - 59.8	1,176	60.2	55.9 - 64.3
Georgia	1,958	61.8	58.0 - 65.3	1,540	63.1	58.7 - 67.1	418	54.2	46.4 - 61.4
Hawaii	135	58.0	45.0 - 68.9	115	58.3	43.8 - 70.2	20	-	
Idaho	272	57.6	48.5 - 65.7*	216	56.0	45.5 - 65.2*	56	64.3	44.6 - 78.5*
Illinois	3,039	61.5	58.5 - 64.4	2,404	63.5	60.1 - 66.7	635	53.1	46.5 - 59.2
Iowa	975	58.4	52.8 - 63.6	783	60.6	54.4 - 66.3	192	49.7	39.5 - 59.1
Kansas	648	62.2	56.4 - 67.5*	537	61.6	54.9 - 67.6*	111	63.1	51.2 - 72.9*
Kentucky	1,915	56.9	52.6 - 61.0	1,457	56.2	51.2 - 60.9	458	55.9	47.9 - 63.1
Louisiana	1,235	55.0	49.8 - 60.0	955	53.5	47.6 - 59.1	280	55.9	45.0 - 65.4
Maine	491	62.5	55.9 - 68.4*	372	65.6	58.0 - 72.2*	119	52.4	38.6 - 64.5*
Maryland	926	61.4	55.6 - 66.6	712	64.0	57.5 - 69.7	214	52.1	40.8 - 62.3
MI - Detroit	911	64.6	58.2 - 70.3	709	63.3	56.1 - 69.6	202	65.3	53.3 - 74.8
Minnesota	1,166	68.7	64.4 - 72.6	939	70.7	65.9 - 75.0	227	56.3	46.5 - 65.0
Mississippi	741	53.4	47.0 - 59.4	584	53.3	46.0 - 60.1	157	55.6	43.3 - 66.3
Missouri	1,852	59.1	55.1 - 62.9	1,438	58.8	54.2 - 63.2	414	58.0	49.8 - 65.3
Montana	248	58.0	48.0 - 66.8*	201	60.4	48.7 - 70.2*	47	47.6	29.0 - 64.1*
Nebraska	425	55.8	47.3 - 63.4	335	55.5	46.8 - 63.3*	90	55.3	38.7 - 69.0
New Hampshire	365	61.5	54.0 - 68.2	294	61.8	53.5 - 69.0	71	58.3	39.9 - 72.8
New Jersey	1,851	61.9	58.1 - 65.4	1,508	63.2	58.9 - 67.2	343	55.1	47.5 - 62.1*
New Mexico	366	46.3	38.1 - 54.0	294	47.4	38.5 - 55.8	72	44.3	29.3 - 58.2*
New York	4,266	63.1	60.7 - 65.4	3,397	63.3	60.6 - 65.9	869	60.1	54.8 - 65.0
North Carolina	2,435	60.0	56.4 - 63.5	1,863	61.8	57.5 - 65.8	572	52.7	46.0 - 59.0
North Dakota	175	57.8	46.3 - 67.6	148	61.9	48.6 - 72.7	27	-	
Ohio	3,564	61.5	58.4 - 64.3	2,728	62.5	59.1 - 65.7	836	57.7	52.3 - 62.7
Oklahoma	916	60.8	55.3 - 65.9	683	63.8	57.4 - 69.5	233	49.5	38.8 - 59.2
Oregon	752	65.5	58.5 - 71.7	618	66.5	59.1 - 72.8	134	61.3	45.8 - 73.6*
Pennsylvania	3,695	62.2	59.4 - 64.9	2,885	62.4	59.0 - 65.5	810	59.2	54.1 - 64.0
Rhode Island	308	64.6	56.8 - 71.3	234	64.5	53.5 - 73.5	74	65.8	48.3 - 78.6*
South Carolina	1,262	61.8	57.0 - 66.2	1,015	63.0	58.2 - 67.5	247	54.1	43.8 - 63.3
South Dakota	199	64.3	52.8 - 73.7	151	63.2	50.0 - 73.8	48	61.4	41.3 - 76.5*
Tennessee	2,075	58.2	54.0 - 62.2	1,594	58.2	53.2 - 62.8	481	55.7	48.6 - 62.2
Texas	4,847	56.8	54.3 - 59.2	3,991	57.5	54.7 - 60.2	856	52.4	46.6 - 57.8
Utah	266	57.5	48.3 - 65.7	216	56.5	45.8 - 66.0	50	50.8	34.9 - 64.8
Vermont	196	58.9	47.4 - 68.8	154	59.4	45.9 - 70.6	42	66.1	45.6 - 80.3*
Washington	1,230	64.0	59.7 - 68.0	978	65.7	60.9 - 70.1	252	56.7	47.4 - 65.0
WA - Seattle	814	64.9	59.5 - 69.8	657	66.6	60.6 - 71.9	157	54.0	41.9 - 64.6*
West Virginia	890	53.0	46.3 - 59.2	667	48.8	41.1 - 56.2	223	62.5	52.7 - 70.7
Wisconsin	1,515	63.7	59.6 - 67.6	1,215	64.7	60.2 - 68.9	300	56.2	47.3 - 64.3
Wyoming	133	54.3	41.0 - 65.9	99	53.7	37.3 - 67.6	34	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Lung & Bronchus**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	1,115,461	23.9	23.7 - 24.0	580,891	20.0	19.8 - 20.2	534,570	28.0	27.8 - 28.2
Alabama	21,462	18.8	17.9 - 19.7	12,147	16.0	15.0 - 17.2	9,315	22.2	20.9 - 23.6
Alaska	1,751	21.2	18.1 - 24.5	981	18.5	14.8 - 22.7	770	24.9	20.0 - 30.2
Arizona	24,226	23.6	22.7 - 24.6	12,366	18.6	17.3 - 19.9	11,860	28.7	27.3 - 30.1
Arkansas	16,146	21.5	20.5 - 22.6	9,099	18.0	16.7 - 19.4	7,047	25.7	24.0 - 27.3
California	89,095	24.0	23.5 - 24.5	44,010	19.5	18.8 - 20.1	45,085	28.4	27.7 - 29.1
CA - Greater California	57,950	23.2	22.6 - 23.8	28,512	18.8	18.0 - 19.6	29,438	27.5	26.6 - 28.3
CA - Greater Bay Area	14,241	26.7	25.5 - 28.0	6,815	22.4	20.7 - 24.0	7,426	31.2	29.4 - 33.0
CA - Los Angeles	16,858	24.4	23.3 - 25.5	8,655	19.8	18.4 - 21.2	8,203	29.4	27.8 - 31.0
Colorado	14,243	26.7	25.5 - 27.9	6,986	22.9	21.3 - 24.5	7,257	30.3	28.6 - 32.0
Connecticut	16,411	29.0	27.8 - 30.2	7,967	25.2	23.5 - 27.0	8,444	32.5	30.9 - 34.1
Delaware	4,600	23.8	21.8 - 25.8	2,352	18.6	16.1 - 21.3	2,248	29.0	25.9 - 32.1
Florida	100,009	25.5	25.0 - 25.9	52,339	21.8	21.2 - 22.4	47,670	29.5	28.8 - 30.1
Georgia	33,877	22.7	22.0 - 23.4	18,645	18.9	17.9 - 19.8	15,232	27.3	26.2 - 28.4
Hawaii	1,507	21.8	18.6 - 25.1	860	18.3	14.6 - 22.3 *	647	27.4	22.1 - 33.0
Idaho	5,923	22.6	20.8 - 24.5	3,027	17.8	15.8 - 19.9 *	2,896	25.6	23.0 - 28.3
Illinois	52,133	24.5	23.9 - 25.2	26,815	20.8	20.0 - 21.6	25,318	28.4	27.5 - 29.3
Iowa	15,845	21.1	20.0 - 22.2	8,599	17.4	16.0 - 18.9	7,246	25.2	23.6 - 26.9
Kansas	12,068	23.3	21.9 - 24.6	6,416	19.6	17.8 - 21.4	5,652	27.0	25.1 - 29.0
Kentucky	30,843	19.2	18.4 - 19.9	16,658	15.7	14.7 - 16.7	14,185	22.7	21.7 - 23.8
Louisiana	17,054	20.2	19.2 - 21.2	9,265	16.9	15.6 - 18.3	7,789	24.0	22.5 - 25.5
Maine	8,823	23.2	21.7 - 24.6	4,521	18.2	16.4 - 20.1	4,302	28.1	26.0 - 30.3
Maryland	18,029	26.4	25.4 - 27.4	8,853	22.8	21.4 - 24.3	9,176	29.8	28.4 - 31.3
MI - Detroit	15,993	23.9	22.9 - 25.0	7,884	20.5	19.0 - 22.0	8,109	27.2	25.6 - 28.7
Minnesota	21,674	27.5	26.5 - 28.5	10,985	22.7	21.3 - 24.1	10,689	32.2	30.8 - 33.6
Mississippi	12,608	20.2	19.1 - 21.4	7,051	18.4	16.8 - 20.0	5,557	22.3	20.5 - 24.1
Missouri	31,843	21.7	21.0 - 22.5	16,840	18.2	17.2 - 19.2	15,003	25.8	24.7 - 26.9
Montana	4,535	22.9	20.6 - 25.3	2,220	19.9	16.9 - 23.0	2,315	25.3	21.6 - 29.1
Nebraska	7,872	22.0	20.4 - 23.7	4,192	19.4	17.1 - 21.8	3,680	24.7	22.3 - 27.1
New Hampshire	7,183	26.2	24.6 - 27.9	3,453	21.8	19.5 - 24.2	3,730	30.5	28.3 - 32.8
New Jersey	33,651	28.2	27.4 - 28.9	16,119	23.4	22.3 - 24.5	17,532	32.4	31.3 - 33.6
New Mexico	6,027	21.1	19.3 - 22.9	3,159	17.6	15.1 - 20.2	2,868	24.5	22.0 - 27.1
New York	76,287	28.5	28.0 - 29.0	37,327	23.4	22.7 - 24.2	38,960	33.2	32.5 - 34.0
North Carolina	43,178	23.4	22.7 - 24.0	23,128	19.7	18.8 - 20.6	20,050	27.5	26.5 - 28.5
North Dakota	3,056	23.7	20.9 - 26.6	1,669	20.2	17.4 - 23.1 *	1,387	27.8	22.4 - 33.3
Ohio	56,623	21.9	21.4 - 22.5	30,128	18.9	18.2 - 19.6	26,495	25.3	24.5 - 26.1
Oklahoma	16,598	19.2	18.1 - 20.2	9,003	16.7	15.3 - 18.2	7,595	21.9	20.4 - 23.4
Oregon	16,877	25.9	24.8 - 27.1	8,365	21.9	20.4 - 23.5	8,512	29.7	28.2 - 31.3
Pennsylvania	62,986	25.0	24.4 - 25.5	33,048	20.5	19.8 - 21.3	29,938	29.6	28.8 - 30.4
Rhode Island	5,745	28.0	26.1 - 29.9	2,801	23.3	20.7 - 25.9	2,944	32.3	29.6 - 35.1
South Carolina	20,549	21.7	20.7 - 22.6	11,204	17.9	16.6 - 19.1	9,345	25.8	24.4 - 27.2
South Dakota	3,755	24.6	21.7 - 27.7	1,995	21.5	17.8 - 25.4	1,760	26.0	23.1 - 29.0
Tennessee	34,402	21.5	20.7 - 22.2	18,798	18.2	17.3 - 19.2	15,604	25.1	24.0 - 26.2
Texas	74,569	22.6	22.1 - 23.1	40,610	19.5	18.8 - 20.1	33,959	26.2	25.5 - 27.0
Utah	4,256	24.0	22.1 - 26.0	2,319	19.2	16.7 - 21.8	1,937	29.5	26.6 - 32.5
Vermont	3,447	25.8	23.5 - 28.2	1,748	23.1	20.1 - 26.3	1,699	28.9	25.7 - 32.2
Washington	26,182	25.0	24.2 - 25.9	13,090	21.5	20.2 - 22.8	13,092	28.5	27.2 - 29.8
WA - Seattle	17,649	25.0	23.9 - 26.1	8,775	21.2	19.7 - 22.8	8,874	28.7	27.1 - 30.3
West Virginia	13,677	20.1	18.9 - 21.2	7,518	16.4	15.0 - 18.0	6,159	24.3	22.6 - 26.1
Wisconsin	25,917	24.5	23.6 - 25.4	13,348	19.2	18.0 - 20.6	12,569	29.6	28.3 - 30.8
Wyoming	1,926	22.2	19.2 - 25.2	983	21.7	17.5 - 26.2	943	23.3	19.4 - 27.4

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Melanoma of the Skin**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	446,595	91.9	91.7 - 92.0	263,638	90.0	89.7 - 90.2	182,957	93.8	93.6 - 94.0
Alabama	7,962	91.6	90.5 - 92.7	4,749	90.1	88.3 - 91.6	3,213	92.2	90.2 - 93.8
Alaska	602	88.4	83.6 - 91.9	330	82.9	76.2 - 87.9	272	92.3	86.1 - 95.8
Arizona	11,468	89.3	88.1 - 90.4	7,297	88.0	86.3 - 89.4	4,171	90.6	88.7 - 92.1
Arkansas	4,529	91.1	89.3 - 92.6	2,763	89.6	86.9 - 91.8	1,766	91.0	88.5 - 93.1
California	53,748	91.2	90.8 - 91.7	32,625	89.0	88.3 - 89.7	21,123	93.9	93.2 - 94.4
CA - Greater California	33,334	90.4	89.8 - 91.0	20,320	87.9	87.0 - 88.8	13,014	93.3	92.5 - 94.0
CA - Greater Bay Area	12,103	94.7	93.8 - 95.5	7,229	92.7	91.3 - 93.9	4,874	97.0	95.9 - 97.8
CA - Los Angeles	8,271	88.9	87.6 - 90.0	5,062	87.0	85.2 - 88.7	3,209	91.1	89.2 - 92.7
Colorado	8,359	90.8	89.7 - 91.8	4,831	88.5	86.9 - 90.0	3,528	93.4	91.6 - 94.7
Connecticut	5,647	92.5	91.1 - 93.6	3,256	91.0	88.9 - 92.7	2,391	93.6	91.7 - 95.1
Delaware	2,202	92.7	90.1 - 94.6	1,320	90.2	86.4 - 93.0	882	93.6	89.7 - 96.1
Florida	39,294	90.2	89.6 - 90.8	24,731	87.9	86.9 - 88.7	14,563	92.8	92.0 - 93.5
Georgia	17,328	94.3	93.5 - 95.1	10,315	93.3	92.1 - 94.3	7,013	95.3	94.2 - 96.2
Hawaii	1,969	95.2	92.8 - 96.8	1,256	93.5	90.5 - 95.6	713	96.8	93.5 - 98.4
Idaho	3,225	91.3	89.3 - 92.9	1,888	89.0	85.9 - 91.4	1,337	92.9	89.7 - 95.1
Illinois	17,850	92.5	91.7 - 93.2	10,056	90.6	89.4 - 91.6	7,794	94.1	93.0 - 95.0
Iowa	6,075	92.0	90.6 - 93.2	3,301	89.8	87.7 - 91.5	2,774	93.7	91.8 - 95.2
Kansas	4,940	91.3	89.8 - 92.7	2,856	89.8	87.4 - 91.7	2,084	91.5	88.8 - 93.5
Kentucky	8,522	90.0	88.6 - 91.2	4,851	87.0	85.0 - 88.8	3,671	92.1	90.4 - 93.6
Louisiana	5,593	92.0	90.4 - 93.3	3,478	90.2	88.0 - 92.0	2,115	93.0	90.7 - 94.8
Maine	2,791	93.1	91.0 - 94.8	1,517	91.6	88.5 - 94.0	1,274	93.8	91.0 - 95.8
Maryland	9,773	94.8	93.8 - 95.6	5,773	92.4	90.7 - 93.8	4,000	96.3	94.9 - 97.3
MI - Detroit	5,016	91.9	90.3 - 93.3	2,867	89.5	87.1 - 91.5	2,149	94.8	92.2 - 96.5
Minnesota	12,021	95.4	94.6 - 96.1	6,675	94.2	93.0 - 95.2	5,346	96.4	95.2 - 97.3
Mississippi	3,863	90.5	88.7 - 92.0	2,318	88.6	85.8 - 90.9	1,545	92.1	89.3 - 94.2
Missouri	8,655	89.4	88.2 - 90.5	5,167	87.5	85.8 - 89.0	3,488	91.2	89.2 - 92.9
Montana	2,000	85.9	82.7 - 88.5	1,150	84.7	79.9 - 88.4	850	85.7	81.2 - 89.2
Nebraska	3,161	91.2	89.2 - 92.8	1,707	88.5	85.4 - 91.0	1,454	92.6	89.8 - 94.6
New Hampshire	3,094	93.5	91.3 - 95.1	1,737	92.4	89.4 - 94.5	1,357	94.4	90.8 - 96.6
New Jersey	14,434	92.3	91.4 - 93.1	8,371	90.5	89.1 - 91.7	6,063	93.8	92.6 - 94.8
New Mexico	2,389	86.4	83.6 - 88.8	1,441	83.9	79.4 - 87.5	948	88.9	85.1 - 91.7
New York	26,400	92.1	91.5 - 92.7	15,189	90.5	89.6 - 91.4	11,211	93.4	92.6 - 94.2
North Carolina	18,084	93.3	92.5 - 94.0	10,697	92.1	90.9 - 93.1	7,387	94.2	93.0 - 95.2
North Dakota	1,224	90.2	86.8 - 92.8	663	86.5	81.5 - 90.2	561	93.1	86.2 - 96.6
Ohio	18,478	90.9	90.0 - 91.7	10,549	88.5	87.2 - 89.6	7,929	92.6	91.4 - 93.7
Oklahoma	5,156	87.6	85.8 - 89.3	3,161	83.7	80.8 - 86.3	1,995	90.7	88.0 - 92.8
Oregon	8,344	94.3	93.3 - 95.2	4,634	92.4	90.6 - 93.8	3,710	95.9	94.4 - 96.9
Pennsylvania	22,228	91.6	90.9 - 92.3	12,962	89.7	88.6 - 90.7	9,266	93.4	92.4 - 94.3
Rhode Island	1,815	93.4	91.0 - 95.1	1,028	90.8	86.9 - 93.5	787	94.3	91.0 - 96.4
South Carolina	8,473	94.2	93.2 - 95.1	5,072	92.8	91.2 - 94.1	3,401	95.5	94.0 - 96.7
South Dakota	1,546	93.0	90.4 - 94.9	861	90.1	86.0 - 93.1	685	94.2	88.7 - 97.1
Tennessee	10,114	91.1	89.9 - 92.1	5,952	89.0	87.3 - 90.4	4,162	92.8	91.1 - 94.1
Texas	22,745	88.6	87.8 - 89.3	13,894	86.3	85.2 - 87.4	8,851	90.4	89.3 - 91.4
Utah	6,431	95.2	94.0 - 96.1	3,763	93.3	91.7 - 94.7	2,668	97.0	94.8 - 98.3
Vermont	1,819	94.2	91.3 - 96.2	1,036	92.3	87.6 - 95.3	783	94.6	89.6 - 97.3
Washington	12,981	93.7	92.8 - 94.5	7,248	91.5	90.1 - 92.8	5,733	95.2	94.1 - 96.1
WA - Seattle	10,028	94.9	94.0 - 95.7	5,605	93.4	91.8 - 94.7	4,423	95.8	94.6 - 96.8
West Virginia	3,249	89.7	87.6 - 91.5	1,911	87.4	84.0 - 90.1	1,338	90.0	87.2 - 92.2
Wisconsin	10,028	91.6	90.5 - 92.6	5,838	90.0	88.3 - 91.4	4,190	92.7	91.1 - 94.0
Wyoming	970	90.9	87.7 - 93.3	554	87.1	81.7 - 91.0	416	90.6	84.3 - 94.5

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* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Female Breast**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		1,204,456	90.6	90.5 - 90.8
Alabama	-	-		-	-		18,401	89.5	88.5 - 90.5
Alaska	-	-		-	-		2,168	89.8	86.0 - 92.6
Arizona	-	-		-	-		28,311	90.0	89.1 - 90.8
Arkansas	-	-		-	-		11,989	89.3	87.8 - 90.7
California	-	-		-	-		137,823	90.1	89.7 - 90.5
CA - Greater California	-	-		-	-		82,334	89.4	88.9 - 89.9
CA - Greater Bay Area	-	-		-	-		24,429	92.2	91.3 - 93.0
CA - Los Angeles	-	-		-	-		31,044	90.1	89.3 - 90.9
Colorado	-	-		-	-		23,438	91.5	90.4 - 92.4
Connecticut	-	-		-	-		18,975	90.6	89.5 - 91.5
Delaware	-	-		-	-		4,200	88.0	85.6 - 90.1
Florida	-	-		-	-		91,243	90.0	89.5 - 90.4
Georgia	-	-		-	-		33,021	90.4	89.5 - 91.2
Hawaii	-	-		-	-		2,095	91.0	87.2 - 93.6
Idaho	-	-		-	-		7,494	89.8	88.0 - 91.4
Illinois	-	-		-	-		55,290	90.8	90.2 - 91.4
Iowa	-	-		-	-		15,855	90.4	89.2 - 91.5
Kansas	-	-		-	-		13,383	92.8	91.8 - 93.8
Kentucky	-	-		-	-		21,446	89.5	88.3 - 90.5
Louisiana	-	-		-	-		15,685	88.8	87.5 - 90.0
Maine	-	-		-	-		7,894	92.2	90.5 - 93.6
Maryland	-	-		-	-		21,097	91.3	90.3 - 92.3
MI - Detroit	-	-		-	-		16,175	89.9	88.8 - 90.9
Minnesota	-	-		-	-		26,978	93.2	92.4 - 94.0
Mississippi	-	-		-	-		9,336	89.7	88.0 - 91.2
Missouri	-	-		-	-		28,764	91.1	90.2 - 91.9
Montana	-	-		-	-		5,228	89.1	86.7 - 91.0
Nebraska	-	-		-	-		8,860	90.3	88.7 - 91.7
New Hampshire	-	-		-	-		8,213	92.2	90.4 - 93.6
New Jersey	-	-		-	-		40,604	89.9	89.2 - 90.5
New Mexico	-	-		-	-		8,763	88.3	86.7 - 89.8
New York	-	-		-	-		83,700	90.6	90.1 - 91.1
North Carolina	-	-		-	-		42,194	91.4	90.6 - 92.1
North Dakota	-	-		-	-		3,306	93.0	90.5 - 94.8
Ohio	-	-		-	-		55,141	91.3	90.7 - 91.8
Oklahoma	-	-		-	-		14,909	89.5	88.1 - 90.7
Oregon	-	-		-	-		20,149	92.2	91.2 - 93.2
Pennsylvania	-	-		-	-		65,931	90.4	89.8 - 90.9
Rhode Island	-	-		-	-		5,756	93.2	91.2 - 94.8
South Carolina	-	-		-	-		19,758	90.7	89.5 - 91.7
South Dakota	-	-		-	-		4,065	91.9	89.7 - 93.7
Tennessee	-	-		-	-		28,451	90.9	89.9 - 91.8
Texas	-	-		-	-		90,721	90.1	89.6 - 90.6
Utah	-	-		-	-		9,674	88.9	87.4 - 90.3
Vermont	-	-		-	-		3,598	91.5	89.0 - 93.5
Washington	-	-		-	-		33,241	92.1	91.3 - 92.8
WA - Seattle	-	-		-	-		23,168	92.5	91.5 - 93.4
West Virginia	-	-		-	-		9,656	90.1	88.7 - 91.4
Wisconsin	-	-		-	-		29,026	91.9	91.1 - 92.7
Wyoming	-	-		-	-		2,451	88.7	85.4 - 91.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Cervix Uteri

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		61,766	61.9	61.3 - 62.5
Alabama	-	-		-	-		1,104	55.4	51.2 - 59.4
Alaska	-	-		-	-		121	75.9	65.4 - 83.6 *
Arizona	-	-		-	-		1,343	60.7	56.9 - 64.2
Arkansas	-	-		-	-		755	55.2	50.6 - 59.6
California	-	-		-	-		7,592	60.7	59.1 - 62.4
CA - Greater California	-	-		-	-		4,531	60.2	58.0 - 62.3
CA - Greater Bay Area	-	-		-	-		1,016	67.2	62.8 - 71.2
CA - Los Angeles	-	-		-	-		2,033	57.7	54.3 - 60.9
Colorado	-	-		-	-		1,036	68.5	63.4 - 73.0
Connecticut	-	-		-	-		689	67.4	62.2 - 72.1
Delaware	-	-		-	-		210	67.6	59.2 - 74.6 *
Florida	-	-		-	-		5,312	61.1	59.2 - 63.0
Georgia	-	-		-	-		1,825	58.8	55.0 - 62.4
Hawaii	-	-		-	-		82	70.0	51.9 - 82.3 *
Idaho	-	-		-	-		337	60.1	52.5 - 66.9
Illinois	-	-		-	-		2,749	62.8	60.1 - 65.3
Iowa	-	-		-	-		735	61.1	56.2 - 65.7
Kansas	-	-		-	-		619	65.1	59.0 - 70.6
Kentucky	-	-		-	-		1,337	61.2	56.8 - 65.3
Louisiana	-	-		-	-		876	59.0	53.8 - 63.8
Maine	-	-		-	-		296	59.5	52.4 - 66.0
Maryland	-	-		-	-		865	64.9	60.3 - 69.1
MI - Detroit	-	-		-	-		674	53.9	48.6 - 59.0
Minnesota	-	-		-	-		892	65.8	60.4 - 70.7
Mississippi	-	-		-	-		575	63.0	57.5 - 68.1 *
Missouri	-	-		-	-		1,499	60.0	56.4 - 63.5
Montana	-	-		-	-		226	64.2	54.1 - 72.7
Nebraska	-	-		-	-		436	57.9	51.1 - 64.2
New Hampshire	-	-		-	-		228	61.2	52.4 - 68.9
New Jersey	-	-		-	-		1,960	62.4	59.4 - 65.2
New Mexico	-	-		-	-		486	63.6	56.8 - 69.6
New York	-	-		-	-		3,778	61.8	59.7 - 63.9
North Carolina	-	-		-	-		1,837	62.3	59.1 - 65.4
North Dakota	-	-		-	-		111	61.4	48.6 - 72.0
Ohio	-	-		-	-		2,787	60.9	58.1 - 63.6
Oklahoma	-	-		-	-		897	57.1	51.4 - 62.3
Oregon	-	-		-	-		867	67.0	61.7 - 71.7
Pennsylvania	-	-		-	-		2,883	62.5	60.0 - 65.0
Rhode Island	-	-		-	-		230	68.3	59.5 - 75.6
South Carolina	-	-		-	-		889	59.1	54.5 - 63.5
South Dakota	-	-		-	-		172	68.1	59.4 - 75.3
Tennessee	-	-		-	-		1,599	59.8	56.1 - 63.4
Texas	-	-		-	-		7,126	60.9	59.0 - 62.7
Utah	-	-		-	-		432	65.4	58.2 - 71.7
Vermont	-	-		-	-		96	74.8	62.4 - 83.7 *
Washington	-	-		-	-		1,359	69.7	65.7 - 73.4
WA - Seattle	-	-		-	-		960	69.6	65.1 - 73.7
West Virginia	-	-		-	-		616	58.6	53.1 - 63.7
Wisconsin	-	-		-	-		1,092	65.8	61.6 - 69.6
Wyoming	-	-		-	-		136	70.8	59.6 - 79.4 *

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

White

III-40 Survival – Cervix Uteri

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Corpus & Uterus, NOS**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		275,629	80.3	80.0 - 80.6
Alabama	-	-		-	-		3,118	78.6	75.6 - 81.3
Alaska	-	-		-	-		516	83.2	73.5 - 89.6
Arizona	-	-		-	-		5,817	79.9	77.8 - 81.8
Arkansas	-	-		-	-		2,535	77.6	74.3 - 80.6
California	-	-		-	-		30,927	78.4	77.5 - 79.3
CA - Greater California	-	-		-	-		17,874	78.0	76.7 - 79.1
CA - Greater Bay Area	-	-		-	-		5,432	80.2	78.3 - 82.0
CA - Los Angeles	-	-		-	-		7,590	77.0	75.2 - 78.7
Colorado	-	-		-	-		4,526	82.0	79.7 - 84.0
Connecticut	-	-		-	-		4,422	81.6	79.5 - 83.6
Delaware	-	-		-	-		1,103	82.2	77.8 - 85.8
Florida	-	-		-	-		19,331	78.6	77.6 - 79.6
Georgia	-	-		-	-		6,343	80.7	78.5 - 82.8
Hawaii	-	-		-	-		418	78.9	69.8 - 85.6
Idaho	-	-		-	-		1,629	71.9	67.4 - 75.9
Illinois	-	-		-	-		13,530	79.6	78.2 - 80.8
Iowa	-	-		-	-		4,161	82.0	79.5 - 84.2
Kansas	-	-		-	-		2,856	81.5	78.1 - 84.4
Kentucky	-	-		-	-		4,869	80.4	77.6 - 83.0
Louisiana	-	-		-	-		2,613	78.0	74.6 - 81.1
Maine	-	-		-	-		2,183	81.7	78.6 - 84.3
Maryland	-	-		-	-		4,840	78.5	76.1 - 80.8
MI - Detroit	-	-		-	-		4,113	79.7	77.3 - 82.0
Minnesota	-	-		-	-		6,771	82.4	80.5 - 84.2
Mississippi	-	-		-	-		1,737	77.7	73.1 - 81.7
Missouri	-	-		-	-		6,463	81.4	79.5 - 83.2
Montana	-	-		-	-		1,181	79.3	73.9 - 83.7
Nebraska	-	-		-	-		2,079	79.5	76.2 - 82.4
New Hampshire	-	-		-	-		1,998	81.3	77.4 - 84.7
New Jersey	-	-		-	-		10,625	79.4	78.0 - 80.8
New Mexico	-	-		-	-		1,879	80.1	76.6 - 83.0
New York	-	-		-	-		21,728	79.4	78.4 - 80.4
North Carolina	-	-		-	-		8,449	83.6	81.8 - 85.2
North Dakota	-	-		-	-		736	78.6	72.8 - 83.2
Ohio	-	-		-	-		14,340	80.3	78.9 - 81.6
Oklahoma	-	-		-	-		2,919	78.5	75.0 - 81.6
Oregon	-	-		-	-		4,826	83.6	81.3 - 85.7
Pennsylvania	-	-		-	-		17,918	81.5	80.3 - 82.6
Rhode Island	-	-		-	-		1,440	78.7	74.7 - 82.1
South Carolina	-	-		-	-		3,661	78.3	75.5 - 80.8
South Dakota	-	-		-	-		971	79.0	73.8 - 83.3
Tennessee	-	-		-	-		5,946	81.9	79.8 - 83.8
Texas	-	-		-	-		18,830	79.5	78.1 - 80.7
Utah	-	-		-	-		2,289	75.5	72.0 - 78.6
Vermont	-	-		-	-		1,055	82.1	77.3 - 85.9
Washington	-	-		-	-		6,979	83.1	81.3 - 84.7
WA - Seattle	-	-		-	-		4,812	83.0	81.1 - 84.8
West Virginia	-	-		-	-		2,754	83.3	80.5 - 85.7
Wisconsin	-	-		-	-		7,674	81.8	80.0 - 83.5
Wyoming	-	-		-	-		531	79.5	71.9 - 85.2

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Ovary

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		111,203	45.0	44.6 - 45.4
Alabama	-	-		-	-		1,850	43.8	40.4 - 47.1
Alaska	-	-		-	-		208	49.4	39.3 - 58.7
Arizona	-	-		-	-		2,656	43.9	41.3 - 46.5
Arkansas	-	-		-	-		1,155	42.7	38.6 - 46.7
California	-	-		-	-		13,470	44.2	43.0 - 45.5
CA - Greater California	-	-		-	-		7,754	43.0	41.4 - 44.6
CA - Greater Bay Area	-	-		-	-		2,282	46.0	43.2 - 48.7
CA - Los Angeles	-	-		-	-		3,412	45.8	43.2 - 48.3
Colorado	-	-		-	-		1,976	46.1	42.9 - 49.2
Connecticut	-	-		-	-		1,616	47.4	43.9 - 50.8
Delaware	-	-		-	-		395	43.6	36.5 - 50.5
Florida	-	-		-	-		9,039	44.5	43.0 - 45.9
Georgia	-	-		-	-		3,023	42.7	40.1 - 45.3
Hawaii	-	-		-	-		172	45.3	33.8 - 56.0
Idaho	-	-		-	-		676	36.4	31.6 - 41.2
Illinois	-	-		-	-		4,937	44.9	42.9 - 46.8
Iowa	-	-		-	-		1,425	43.4	40.0 - 46.8
Kansas	-	-		-	-		1,190	47.5	43.5 - 51.5
Kentucky	-	-		-	-		1,779	41.7	38.4 - 44.9
Louisiana	-	-		-	-		1,263	42.7	38.8 - 46.5
Maine	-	-		-	-		607	48.8	43.3 - 54.0
Maryland	-	-		-	-		1,881	47.3	44.1 - 50.3
MI - Detroit	-	-		-	-		1,623	46.1	42.7 - 49.3
Minnesota	-	-		-	-		2,165	49.2	46.1 - 52.3
Mississippi	-	-		-	-		835	43.2	38.2 - 48.1
Missouri	-	-		-	-		2,305	44.3	41.4 - 47.1
Montana	-	-		-	-		470	52.7	46.2 - 58.8
Nebraska	-	-		-	-		739	46.2	40.9 - 51.3
New Hampshire	-	-		-	-		624	44.2	38.9 - 49.4
New Jersey	-	-		-	-		3,834	47.0	44.8 - 49.2
New Mexico	-	-		-	-		901	38.0	33.5 - 42.4
New York	-	-		-	-		8,150	46.3	44.8 - 47.8
North Carolina	-	-		-	-		3,627	45.4	43.0 - 47.7
North Dakota	-	-		-	-		260	43.3	34.9 - 51.3
Ohio	-	-		-	-		4,922	44.0	42.0 - 46.0
Oklahoma	-	-		-	-		1,475	43.7	40.0 - 47.2
Oregon	-	-		-	-		1,856	42.6	39.3 - 45.9
Pennsylvania	-	-		-	-		6,256	46.5	44.8 - 48.3
Rhode Island	-	-		-	-		465	47.7	41.6 - 53.6
South Carolina	-	-		-	-		1,530	46.0	42.5 - 49.5
South Dakota	-	-		-	-		360	51.6	43.4 - 59.2
Tennessee	-	-		-	-		2,588	40.0	37.2 - 42.7
Texas	-	-		-	-		8,797	44.7	43.2 - 46.3
Utah	-	-		-	-		983	41.0	36.9 - 45.0
Vermont	-	-		-	-		300	48.1	40.3 - 55.4
Washington	-	-		-	-		2,832	47.1	44.4 - 49.7
WA - Seattle	-	-		-	-		1,968	46.6	43.5 - 49.7
West Virginia	-	-		-	-		1,043	42.0	37.8 - 46.1
Wisconsin	-	-		-	-		2,695	47.0	44.4 - 49.6
Wyoming	-	-		-	-		250	42.1	32.9 - 50.9

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

White

III-42 Survival – Ovary

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Prostate**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		971,400	95.3	95.2 - 95.5	-	-	
Alabama	-	-		15,742	95.3	94.3 - 96.1	-	-	
Alaska	-	-		1,834	92.7	87.5 - 95.8	-	-	
Arizona	-	-		19,896	91.5	90.6 - 92.4	-	-	
Arkansas	-	-		11,147	97.0	95.2 - 98.1	-	-	
California	-	-		102,682	93.5	93.1 - 93.9	-	-	
CA - Greater California	-	-		62,197	92.6	92.0 - 93.1	-	-	
CA - Greater Bay Area	-	-		19,019	95.5	94.5 - 96.2	-	-	
CA - Los Angeles	-	-		21,411	93.9	92.9 - 94.7	-	-	
Colorado	-	-		16,702	93.4	92.1 - 94.4	-	-	
Connecticut	-	-		14,462	93.7	92.5 - 94.7	-	-	
Delaware	-	-		3,863	94.3	92.3 - 95.8	-	-	
Florida	-	-		75,592	94.5	94.0 - 95.0	-	-	
Georgia	-	-		27,208	95.3	94.1 - 96.3	-	-	
Hawaii	-	-		1,731	90.0	85.7 - 93.1	-	-	
Idaho	-	-		6,839	92.1	90.2 - 93.7	-	-	
Illinois	-	-		43,331	95.5	94.8 - 96.1	-	-	
Iowa	-	-		13,893	93.5	92.3 - 94.6	-	-	
Kansas	-	-		11,410	98.3	97.3 - 99.0	-	-	
Kentucky	-	-		16,930	94.2	92.8 - 95.3	-	-	
Louisiana	-	-		15,379	97.4	96.1 - 98.3	-	-	
Maine	-	-		6,012	93.7	91.5 - 95.4	-	-	
Maryland	-	-		17,071	96.3	95.1 - 97.2	-	-	
MI - Detroit	-	-		14,500	97.2	96.2 - 98.0	-	-	
Minnesota	-	-		23,094	94.7	93.7 - 95.5	-	-	
Mississippi	-	-		8,789	97.7	95.6 - 98.8	-	-	
Missouri	-	-		20,728	94.6	93.6 - 95.5	-	-	
Montana	-	-		5,364	91.8	89.5 - 93.6	-	-	
Nebraska	-	-		8,006	96.1	94.2 - 97.4	-	-	
New Hampshire	-	-		6,823	94.5	92.3 - 96.1	-	-	
New Jersey	-	-		36,269	96.8	96.1 - 97.4	-	-	
New Mexico	-	-		6,407	90.7	88.9 - 92.3	-	-	
New York	-	-		71,998	94.7	94.1 - 95.2	-	-	
North Carolina	-	-		33,156	96.3	95.6 - 96.9	-	-	
North Dakota	-	-		3,297	96.7	94.4 - 98.0	-	-	
Ohio	-	-		42,394	96.2	95.5 - 96.8	-	-	
Oklahoma	-	-		11,578	96.1	94.8 - 97.1	-	-	
Oregon	-	-		15,487	95.5	94.6 - 96.3	-	-	
Pennsylvania	-	-		50,598	95.9	95.3 - 96.5	-	-	
Rhode Island	-	-		4,075	94.7	92.3 - 96.4	-	-	
South Carolina	-	-		15,871	94.8	93.5 - 95.9	-	-	
South Dakota	-	-		3,940	97.2	95.2 - 98.3	-	-	
Tennessee	-	-		24,665	97.9	96.9 - 98.6	-	-	
Texas	-	-		68,687	94.3	93.7 - 94.8	-	-	
Utah	-	-		9,750	95.0	93.8 - 95.9	-	-	
Vermont	-	-		2,676	93.9	90.6 - 96.0	-	-	
Washington	-	-		25,698	94.7	93.8 - 95.4	-	-	
WA - Seattle	-	-		18,699	95.2	94.2 - 96.1	-	-	
West Virginia	-	-		7,965	96.6	94.7 - 97.8	-	-	
Wisconsin	-	-		25,235	94.2	93.2 - 95.1	-	-	
Wyoming	-	-		2,626	94.7	91.3 - 96.8	-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Testis

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		48,623	91.7	90.5 - 92.7	-	-	
Alabama	-	-		555	83.6	78.5 - 87.5	-	-	
Alaska	-	-		134	93.4	85.8 - 97.0 *	-	-	
Arizona	-	-		1,074	89.3	82.4 - 93.7	-	-	
Arkansas	-	-		443	93.7	89.4 - 96.3 *	-	-	
California	-	-		7,092	88.0	84.8 - 90.6	-	-	
CA - Greater California	-	-		4,012	87.0	82.9 - 90.2	-	-	
CA - Greater Bay Area	-	-		1,280	91.1	85.1 - 94.8	-	-	
CA - Los Angeles	-	-		1,782	93.3	91.3 - 94.8 *	-	-	
Colorado	-	-		969	95.7	93.6 - 97.1 *	-	-	
Connecticut	-	-		686	97.5	95.1 - 98.7 *	-	-	
Delaware	-	-		140	82.9	77.1 - 87.3	-	-	
Florida	-	-		2,662	88.0	83.0 - 91.6	-	-	
Georgia	-	-		1,213	82.6	79.7 - 85.2	-	-	
Hawaii	-	-		114	97.4	91.1 - 99.3 *	-	-	
Idaho	-	-		346	94.8	87.8 - 97.8	-	-	
Illinois	-	-		2,378	91.2	86.1 - 94.4	-	-	
Iowa	-	-		656	85.4	76.4 - 91.2	-	-	
Kansas	-	-		557	96.1	93.5 - 97.7 *	-	-	
Kentucky	-	-		766	93.1	90.2 - 95.2 *	-	-	
Louisiana	-	-		599	95.7	92.4 - 97.6 *	-	-	
Maine	-	-		271	92.8	87.7 - 95.9 *	-	-	
Maryland	-	-		751	94.1	87.4 - 97.3	-	-	
MI - Detroit	-	-		615	95.7	92.4 - 97.6 *	-	-	
Minnesota	-	-		1,187	95.5	89.2 - 98.2	-	-	
Mississippi	-	-		306	93.8	89.1 - 96.5 *	-	-	
Missouri	-	-		965	86.9	78.1 - 92.3	-	-	
Montana	-	-		216	94.0	84.7 - 97.7	-	-	
Nebraska	-	-		424	87.0	77.6 - 92.7	-	-	
New Hampshire	-	-		305	97.0	92.3 - 98.9 *	-	-	
New Jersey	-	-		1,540	89.3	80.9 - 94.2	-	-	
New Mexico	-	-		368	92.9	88.3 - 95.8 *	-	-	
New York	-	-		3,463	93.2	89.9 - 95.5	-	-	
North Carolina	-	-		1,436	95.6	93.8 - 97.0 *	-	-	
North Dakota	-	-		164	84.4	79.7 - 88.1	-	-	
Ohio	-	-		1,977	89.6	85.1 - 92.8	-	-	
Oklahoma	-	-		545	93.6	86.9 - 96.9	-	-	
Oregon	-	-		852	93.7	86.4 - 97.2	-	-	
Pennsylvania	-	-		2,460	93.0	90.0 - 95.1	-	-	
Rhode Island	-	-		213	99.1	96.1 - 99.8 *	-	-	
South Carolina	-	-		596	94.4	91.0 - 96.5 *	-	-	
South Dakota	-	-		152	79.6	78.5 - 80.6	-	-	
Tennessee	-	-		1,022	94.5	92.5 - 96.1 *	-	-	
Texas	-	-		4,437	87.5	83.7 - 90.5	-	-	
Utah	-	-		687	95.1	89.3 - 97.8	-	-	
Vermont	-	-		139	95.6	87.4 - 98.5 *	-	-	
Washington	-	-		1,447	89.6	79.1 - 94.9	-	-	
WA - Seattle	-	-		1,082	90.2	75.3 - 96.3	-	-	
West Virginia	-	-		317	93.7	89.0 - 96.4 *	-	-	
Wisconsin	-	-		1,239	94.1	89.6 - 96.7	-	-	
Wyoming	-	-		145	97.4	90.1 - 99.4 *	-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

White

III-44 Survival – Testis

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Urinary Bladder (incl. in situ)**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	411,282	77.4	77.1 - 77.6	315,686	78.3	78.0 - 78.5	95,596	74.5	74.1 - 74.9
Alabama	6,272	74.9	72.8 - 76.8	4,916	75.4	73.0 - 77.7	1,356	72.9	68.8 - 76.6
Alaska	773	76.7	68.8 - 82.8	603	78.6	70.8 - 84.5	170	74.8	65.3 - 82.1 *
Arizona	10,122	75.5	74.0 - 76.9	7,914	75.6	73.8 - 77.2	2,208	74.8	72.0 - 77.4
Arkansas	4,432	74.9	72.4 - 77.3	3,529	75.7	72.9 - 78.4	903	71.9	66.9 - 76.4
California	39,738	76.4	75.7 - 77.1	30,755	77.4	76.6 - 78.3	8,983	73.1	71.6 - 74.5
CA - Greater California	24,318	74.5	73.6 - 75.5	18,863	75.4	74.3 - 76.5	5,455	71.3	69.3 - 73.1
CA - Greater Bay Area	7,087	80.6	78.9 - 82.1	5,460	80.2	78.2 - 82.0	1,627	81.1	78.1 - 83.7
CA - Los Angeles	8,307	78.0	76.4 - 79.4	6,407	80.0	78.2 - 81.7	1,900	70.6	67.3 - 73.6
Colorado	6,471	78.4	76.6 - 80.0	5,004	79.3	77.3 - 81.2	1,467	75.1	71.4 - 78.3
Connecticut	7,498	78.3	76.6 - 79.9	5,610	79.3	77.3 - 81.1	1,888	75.2	72.0 - 78.1
Delaware	1,738	76.4	72.4 - 79.9	1,336	75.3	69.1 - 80.5	402	69.6	62.4 - 75.7
Florida	35,632	75.4	74.6 - 76.2	27,593	75.9	75.0 - 76.8	8,039	73.8	72.2 - 75.3
Georgia	10,273	75.1	73.5 - 76.6	8,010	77.0	75.2 - 78.7	2,263	68.6	65.5 - 71.5
Hawaii	717	72.4	66.4 - 77.5	597	72.0	65.2 - 77.7	120	73.7	59.8 - 83.5 *
Idaho	2,601	78.7	75.7 - 81.4	2,047	79.3	75.9 - 82.3	554	75.5	68.8 - 81.0
Illinois	18,842	77.9	76.9 - 78.9	14,246	78.9	77.6 - 80.1	4,596	75.2	73.2 - 77.0
Iowa	5,571	76.6	74.6 - 78.5	4,328	76.6	74.2 - 78.7	1,243	75.7	72.1 - 78.8
Kansas	4,623	79.1	76.9 - 81.2	3,565	80.1	77.6 - 82.5	1,058	76.1	71.7 - 79.9
Kentucky	7,676	75.8	74.0 - 77.4	5,814	76.9	74.8 - 78.8	1,862	71.9	68.4 - 75.1
Louisiana	5,389	78.7	76.6 - 80.5	4,243	80.0	77.6 - 82.1	1,146	72.1	67.6 - 76.1
Maine	3,483	78.5	76.0 - 80.8	2,656	79.1	76.1 - 81.8	827	76.1	71.5 - 80.1
Maryland	7,118	79.2	77.4 - 80.8	5,458	81.1	79.1 - 82.9	1,660	72.7	69.1 - 75.9
MI - Detroit	6,199	77.8	76.0 - 79.5	4,709	78.7	76.6 - 80.7	1,490	74.7	71.0 - 78.0
Minnesota	8,993	79.5	78.0 - 80.9	6,895	80.3	78.5 - 82.0	2,098	76.8	73.7 - 79.6
Mississippi	3,334	77.5	74.7 - 80.1	2,606	80.2	77.1 - 82.9	728	68.9	62.9 - 74.2
Missouri	9,175	76.3	74.7 - 77.8	7,056	77.1	75.2 - 78.9	2,119	73.0	69.7 - 76.0
Montana	2,007	75.9	72.2 - 79.1	1,519	75.5	71.2 - 79.4	488	72.0	64.9 - 77.8
Nebraska	2,999	77.4	74.6 - 79.9	2,300	77.1	73.9 - 80.1	699	77.7	72.6 - 82.0
New Hampshire	3,142	78.6	75.9 - 81.0	2,382	79.3	76.2 - 82.1	760	75.4	70.3 - 79.7
New Jersey	15,044	77.6	76.4 - 78.8	11,206	78.5	77.1 - 79.9	3,838	74.6	72.4 - 76.7
New Mexico	2,372	73.1	69.5 - 76.3	1,835	74.4	70.2 - 78.0	537	67.6	60.2 - 73.9 *
New York	32,637	79.2	78.4 - 80.0	24,406	80.1	79.1 - 81.0	8,231	76.7	75.3 - 78.1
North Carolina	13,701	78.3	77.0 - 79.6	10,456	79.1	77.5 - 80.5	3,245	75.8	73.4 - 78.1
North Dakota	1,157	80.8	76.6 - 84.3	912	80.1	75.0 - 84.3	245	80.0	73.0 - 85.4
Ohio	19,598	76.8	75.7 - 77.9	15,014	78.0	76.7 - 79.2	4,584	72.9	70.8 - 75.0
Oklahoma	5,048	74.7	72.5 - 76.8	3,953	75.3	72.7 - 77.7	1,095	71.2	66.7 - 75.2
Oregon	6,889	80.6	78.7 - 82.3	5,340	81.3	79.1 - 83.3	1,549	77.6	73.7 - 81.0
Pennsylvania	26,083	79.1	78.2 - 80.0	19,747	80.0	79.0 - 81.1	6,336	76.2	74.5 - 77.8
Rhode Island	2,368	82.5	79.5 - 85.2	1,760	83.3	79.5 - 86.5	608	79.8	74.4 - 84.2
South Carolina	6,563	77.5	75.6 - 79.3	5,069	79.8	77.7 - 81.8	1,494	69.9	66.0 - 73.5
South Dakota	1,400	76.9	72.8 - 80.6	1,060	77.4	72.5 - 81.6	340	74.9	67.6 - 80.8
Tennessee	9,622	77.5	76.0 - 78.9	7,392	78.3	76.5 - 79.9	2,230	73.9	71.1 - 76.5
Texas	23,769	75.6	74.6 - 76.6	18,536	76.2	75.0 - 77.3	5,233	73.3	71.4 - 75.0
Utah	2,690	77.8	75.0 - 80.3	2,189	78.2	75.1 - 81.0	501	75.6	69.9 - 80.5
Vermont	1,318	76.2	71.5 - 80.3	988	78.7	74.1 - 82.6	330	66.0	58.9 - 72.1
Washington	10,656	77.2	75.7 - 78.5	8,212	78.0	76.3 - 79.6	2,444	74.2	71.5 - 76.8
WA - Seattle	7,344	78.0	76.2 - 79.6	5,654	78.6	76.5 - 80.4	1,690	75.6	72.3 - 78.6
West Virginia	3,928	73.1	70.5 - 75.5	2,982	73.8	70.8 - 76.6	946	71.1	66.2 - 75.5
Wisconsin	10,676	79.2	77.7 - 80.5	8,204	80.1	78.4 - 81.7	2,472	76.0	73.2 - 78.6
Wyoming	945	78.3	73.1 - 82.6	734	78.9	73.1 - 83.6	211	74.3	64.6 - 81.8

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Kidney & Renal Pelvis

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	311,086	73.2	72.9 - 73.5	197,421	72.8	72.4 - 73.1	113,665	74.1	73.7 - 74.5
Alabama	5,232	72.7	70.5 - 74.8	3,281	71.1	68.3 - 73.7	1,951	74.6	71.0 - 77.8
Alaska	598	75.6	67.7 - 81.8	402	73.5	66.7 - 79.2	196	75.2	60.7 - 85.0
Arizona	7,422	73.5	71.7 - 75.1	4,735	72.3	70.0 - 74.4	2,687	75.3	72.7 - 77.7
Arkansas	3,894	73.3	70.5 - 75.9	2,474	72.5	69.5 - 75.2	1,420	74.2	70.0 - 78.0
California	32,905	71.9	71.0 - 72.7	21,154	71.5	70.4 - 72.6	11,751	72.6	71.3 - 73.9
CA - Greater California	20,309	70.6	69.6 - 71.7	13,004	70.4	69.0 - 71.8	7,305	71.1	69.4 - 72.7
CA - Greater Bay Area	5,215	73.8	71.7 - 75.8	3,446	73.6	71.0 - 76.1	1,769	74.4	71.1 - 77.3
CA - Los Angeles	7,285	73.6	71.8 - 75.4	4,648	72.6	70.2 - 74.8	2,637	75.4	72.6 - 78.0
Colorado	4,885	71.8	69.7 - 73.9	3,059	71.7	68.6 - 74.5	1,826	72.3	69.1 - 75.3
Connecticut	4,096	73.2	70.9 - 75.4	2,676	73.6	70.6 - 76.4	1,420	71.7	67.9 - 75.1
Delaware	1,038	71.1	66.3 - 75.4	672	72.5	67.0 - 77.2	366	67.2	59.2 - 74.0
Florida	22,425	71.9	71.0 - 72.9	14,463	71.2	69.9 - 72.4	7,962	73.3	71.8 - 74.8
Georgia	8,333	71.0	69.2 - 72.8	5,315	69.5	67.0 - 71.9	3,018	73.5	71.1 - 75.7
Hawaii	476	71.1	64.2 - 76.8	347	70.0	61.6 - 76.9	129	71.8	59.5 - 81.0
Idaho	1,924	72.2	68.6 - 75.4	1,226	72.8	68.6 - 76.5	698	69.7	63.8 - 74.9
Illinois	14,443	72.9	71.6 - 74.1	9,095	73.3	71.5 - 75.0	5,348	72.5	70.6 - 74.3
Iowa	4,467	68.8	66.5 - 71.0	2,863	67.5	64.4 - 70.4	1,604	70.6	67.1 - 73.8
Kansas	3,803	77.4	75.0 - 79.5	2,368	76.6	73.0 - 79.8	1,435	78.1	74.6 - 81.2
Kentucky	6,627	70.6	68.6 - 72.5	4,098	69.2	66.6 - 71.7	2,529	72.6	69.6 - 75.3
Louisiana	5,593	73.5	71.5 - 75.5	3,476	72.8	69.7 - 75.7	2,117	74.3	71.2 - 77.1
Maine	2,002	71.2	67.5 - 74.5	1,237	67.8	62.9 - 72.3	765	74.9	70.4 - 78.8
Maryland	4,606	75.0	72.7 - 77.2	2,904	74.2	71.1 - 77.0	1,702	76.8	73.3 - 79.9
MI - Detroit	3,979	72.9	70.5 - 75.2	2,518	72.0	68.6 - 75.0	1,461	74.5	70.9 - 77.8
Minnesota	6,391	74.5	72.5 - 76.3	4,228	74.4	71.8 - 76.7	2,163	74.6	71.5 - 77.3
Mississippi	3,243	76.8	74.5 - 79.0	2,025	75.4	71.0 - 79.2	1,218	78.2	74.1 - 81.6
Missouri	7,926	72.9	71.1 - 74.6	4,918	72.6	70.1 - 74.9	3,008	73.2	70.6 - 75.7
Montana	1,271	71.3	66.6 - 75.4	821	68.4	62.5 - 73.6	450	75.0	67.3 - 81.1
Nebraska	2,286	69.7	66.4 - 72.7	1,488	67.8	63.4 - 71.9	798	73.1	68.2 - 77.3
New Hampshire	1,695	75.2	71.6 - 78.5	1,094	76.3	71.8 - 80.2	601	73.3	67.3 - 78.3
New Jersey	9,404	74.9	73.4 - 76.4	6,015	74.1	72.0 - 76.0	3,389	76.3	73.9 - 78.5
New Mexico	2,054	70.4	67.3 - 73.2	1,258	68.7	64.5 - 72.5	796	72.1	67.5 - 76.3
New York	20,608	75.2	74.2 - 76.2	13,259	74.7	73.3 - 76.0	7,349	76.3	74.7 - 77.7
North Carolina	10,218	74.4	72.8 - 75.9	6,493	74.0	71.9 - 76.0	3,725	75.1	72.7 - 77.4
North Dakota	893	72.9	68.4 - 76.9	590	71.5	65.4 - 76.7	303	74.9	68.2 - 80.3
Ohio	13,952	74.8	73.5 - 76.0	8,576	74.1	72.3 - 75.8	5,376	75.7	73.7 - 77.6
Oklahoma	4,409	68.7	66.2 - 71.1	2,682	66.9	63.5 - 70.1	1,727	71.0	67.2 - 74.4
Oregon	4,766	76.4	74.1 - 78.5	3,088	76.9	74.1 - 79.4	1,678	75.1	71.5 - 78.3
Pennsylvania	16,327	74.7	73.5 - 75.9	10,310	75.1	73.6 - 76.6	6,017	74.3	72.5 - 76.0
Rhode Island	1,304	76.0	72.0 - 79.5	810	76.2	70.8 - 80.7	494	75.1	68.9 - 80.3
South Carolina	5,106	73.6	71.2 - 75.8	3,251	72.7	70.0 - 75.2	1,855	75.0	71.2 - 78.4
South Dakota	998	71.9	67.2 - 76.0	652	72.9	65.8 - 78.7	346	69.6	61.8 - 76.0
Tennessee	8,088	74.8	73.0 - 76.5	5,148	74.2	71.9 - 76.3	2,940	75.0	72.7 - 77.2
Texas	29,418	72.2	71.2 - 73.1	18,323	71.1	69.8 - 72.3	11,095	74.0	72.5 - 75.4
Utah	2,259	68.5	65.1 - 71.6	1,455	68.4	63.7 - 72.6	804	68.7	63.6 - 73.3
Vermont	781	73.0	67.4 - 77.8	512	73.9	66.9 - 79.6	269	68.3	57.3 - 77.0
Washington	7,381	72.6	70.8 - 74.3	4,693	72.8	70.4 - 75.0	2,688	72.3	69.5 - 74.8
WA - Seattle	5,023	72.5	70.3 - 74.6	3,226	72.6	69.7 - 75.3	1,797	72.3	68.9 - 75.5
West Virginia	3,123	71.4	68.2 - 74.4	1,878	72.1	67.6 - 76.1	1,245	70.1	65.3 - 74.3
Wisconsin	7,800	74.8	73.0 - 76.5	5,086	75.5	73.4 - 77.4	2,714	74.1	71.4 - 76.6
Wyoming	637	75.3	69.7 - 80.1	405	73.1	66.0 - 78.9	232	75.9	65.2 - 83.6

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

White

III-46 Survival – Kidney & Renal Pelvis

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Brain & Other Nervous System (invasive)**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	110,335	30.1	29.7 - 30.4	62,203	28.4	28.0 - 28.8	48,132	32.3	31.8 - 32.8
Alabama	1,740	28.5	25.8 - 31.3	960	18.8	15.8 - 22.1 *	780	31.0	27.0 - 35.0
Alaska	244	27.5	21.8 - 33.4	144	27.7	21.2 - 34.5	100	23.6	15.7 - 32.3
Arizona	2,603	31.7	29.5 - 34.0	1,469	30.5	27.5 - 33.5	1,134	33.3	29.9 - 36.7
Arkansas	1,188	30.4	27.3 - 33.5	690	30.0	26.0 - 34.1	498	23.5	18.8 - 28.6 *
California	12,586	29.1	28.1 - 30.2	7,204	27.8	26.4 - 29.1	5,382	31.1	29.5 - 32.6
CA - Greater California	7,571	28.9	27.6 - 30.2	4,298	27.3	25.6 - 29.0	3,273	31.0	29.0 - 33.0
CA - Greater Bay Area	2,226	30.3	28.0 - 32.6	1,304	29.4	26.3 - 32.6	922	31.4	27.9 - 34.8
CA - Los Angeles	2,772	28.8	26.6 - 31.0	1,594	27.2	24.4 - 30.0	1,178	30.8	27.4 - 34.3
Colorado	2,051	27.3	24.9 - 29.8 *	1,168	27.1	23.9 - 30.5 *	883	27.6	23.9 - 31.3 *
Connecticut	1,619	28.7	25.9 - 31.6	915	25.8	22.1 - 29.7	704	32.3	28.2 - 36.4
Delaware	369	17.8	13.1 - 23.2 *	194	15.8	9.7 - 23.1 *	175	20.0	13.0 - 28.1 *
Florida	8,429	31.0	29.7 - 32.2	4,747	29.0	27.4 - 30.7	3,682	33.6	31.7 - 35.5
Georgia	3,044	27.9	26.0 - 29.9	1,699	25.5	23.0 - 28.1	1,345	26.0	23.1 - 29.0 *
Hawaii	185	28.9	22.0 - 36.0	109	28.1	19.1 - 37.7	76	28.3	19.5 - 37.7
Idaho	736	20.8	16.9 - 25.0 *	458	18.6	14.1 - 23.7 *	278	24.3	17.4 - 31.9 *
Illinois	4,807	30.6	29.1 - 32.2	2,684	28.8	26.8 - 30.8	2,123	32.9	30.5 - 35.4
Iowa	1,533	26.1	23.3 - 29.0	847	22.4	18.6 - 26.3	686	30.7	26.7 - 34.8
Kansas	1,235	31.7	28.6 - 34.9	702	30.7	26.8 - 34.6	533	33.8	28.6 - 39.1
Kentucky	2,138	28.0	25.7 - 30.4	1,189	26.4	23.5 - 29.5	949	29.7	26.0 - 33.6
Louisiana	1,462	28.5	25.9 - 31.2	837	26.8	23.6 - 30.2	625	24.4	20.3 - 28.7 *
Maine	755	31.4	27.3 - 35.5	427	29.8	24.3 - 35.4	328	32.5	27.2 - 37.8
Maryland	1,818	29.9	27.5 - 32.4	1,016	26.4	23.2 - 29.7	802	34.4	30.8 - 38.1
MI - Detroit	1,394	21.9	19.2 - 24.7 *	806	20.3	16.8 - 23.9 *	588	24.0	19.9 - 28.4 *
Minnesota	2,411	30.0	27.9 - 32.1	1,372	26.0	23.2 - 28.9	1,039	35.0	32.0 - 38.1
Mississippi	985	29.0	25.6 - 32.5	549	29.3	25.0 - 33.6	436	28.5	22.9 - 34.2
Missouri	2,545	31.0	28.8 - 33.1	1,396	27.9	25.0 - 30.9	1,149	34.6	31.5 - 37.6
Montana	548	24.1	19.8 - 28.6 *	321	22.3	16.8 - 28.2 *	227	31.9	26.3 - 37.6
Nebraska	847	30.3	26.5 - 34.1	493	30.2	25.5 - 35.0	354	24.7	19.3 - 30.4 *
New Hampshire	702	32.5	28.5 - 36.7	385	24.6	19.2 - 30.5 *	317	33.8	28.0 - 39.6
New Jersey	3,569	31.1	29.3 - 32.9	1,991	29.6	27.2 - 32.0	1,578	32.9	30.2 - 35.6
New Mexico	725	32.5	28.2 - 36.9	411	32.5	27.6 - 37.5	314	33.3	26.5 - 40.3
New York	7,470	31.1	29.8 - 32.4	4,181	29.5	27.8 - 31.3	3,289	33.0	31.0 - 35.0
North Carolina	3,632	29.1	27.3 - 31.0	1,983	27.7	25.2 - 30.2	1,649	30.8	28.0 - 33.7
North Dakota	302	24.1	17.8 - 31.0 *	187	18.9	11.1 - 28.3 *	115	30.8	21.2 - 40.9 *
Ohio	4,891	29.0	27.4 - 30.5	2,796	27.0	25.0 - 29.0	2,095	31.5	29.2 - 33.9
Oklahoma	1,403	28.6	25.7 - 31.5	759	25.6	21.8 - 29.6	644	32.1	27.8 - 36.4
Oregon	1,925	30.9	28.5 - 33.2	1,103	30.6	27.7 - 33.6	822	31.2	27.5 - 34.9
Pennsylvania	5,839	30.6	29.1 - 32.0	3,291	29.5	27.7 - 31.4	2,548	31.7	29.5 - 34.0
Rhode Island	473	19.1	14.4 - 24.3 *	237	14.8	8.9 - 22.1 *	236	23.6	17.0 - 30.8 *
South Carolina	1,846	27.0	24.3 - 29.7	1,053	25.5	22.1 - 28.9	793	29.0	25.0 - 33.1
South Dakota	405	29.3	24.4 - 34.4	236	27.6	21.6 - 33.8	169	30.3	22.6 - 38.4
Tennessee	2,612	27.0	24.9 - 29.2	1,463	25.3	22.6 - 28.1	1,149	29.3	26.1 - 32.7
Texas	8,826	33.4	32.2 - 34.5	4,928	31.9	30.4 - 33.4	3,898	35.1	33.3 - 36.9
Utah	1,096	30.5	27.3 - 33.9	640	29.0	24.9 - 33.1	456	34.0	28.4 - 39.6 *
Vermont	330	21.0	15.5 - 27.0 *	185	24.1	16.6 - 32.2 *	145	16.7	9.5 - 25.8 *
Washington	3,139	30.8	29.0 - 32.6	1,827	29.7	27.3 - 32.1	1,312	32.4	29.6 - 35.2
WA - Seattle	2,196	31.5	29.4 - 33.6	1,253	29.8	26.9 - 32.8	943	33.7	30.5 - 36.9
West Virginia	928	24.3	20.9 - 27.9 *	511	22.8	18.4 - 27.5 *	417	26.1	20.9 - 31.5 *
Wisconsin	2,690	28.3	26.3 - 30.4	1,502	21.3	18.7 - 23.9 *	1,188	30.7	27.5 - 34.0
Wyoming	260	29.8	23.8 - 35.9	138	21.1	13.1 - 30.4 *	122	35.2	25.7 - 44.8

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Brain & Other Nervous System (non-invasive)

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	225,992	92.1	91.9 - 92.3	73,961	90.4	90.0 - 90.8	152,031	92.8	92.6 - 93.1
Alabama	2,330	92.5	90.0 - 94.3	802	88.5	84.0 - 91.7	1,528	93.6	91.2 - 95.4
Alaska	430	89.6	84.5 - 93.1	151	90.1	81.1 - 95.0	279	88.4	81.9 - 92.7
Arizona	5,102	91.8	90.6 - 92.9	1,695	89.4	86.9 - 91.4	3,407	92.6	91.2 - 93.8
Arkansas	1,951	91.2	89.1 - 92.9	668	87.9	82.9 - 91.5	1,283	92.2	89.6 - 94.2
California	24,729	91.8	91.2 - 92.4	8,097	89.9	88.8 - 90.9	16,632	92.7	92.0 - 93.3
CA - Greater California	15,042	90.8	90.0 - 91.5	4,897	88.6	87.1 - 89.9	10,145	91.7	90.8 - 92.5
CA - Greater Bay Area	4,457	93.2	91.8 - 94.4	1,516	91.8	89.0 - 93.9	2,941	93.7	92.0 - 95.0
CA - Los Angeles	5,131	93.2	91.9 - 94.3	1,645	90.1	87.7 - 92.0	3,486	94.1	92.4 - 95.3
Colorado	5,490	91.6	90.3 - 92.8	1,810	88.8	86.3 - 90.9	3,680	92.7	91.2 - 94.0
Connecticut	2,702	90.7	88.8 - 92.3	901	88.9	84.9 - 91.8	1,801	91.4	89.3 - 93.1
Delaware	532	91.5	87.4 - 94.3	185	89.3	82.0 - 93.8	347	91.3	85.5 - 94.8
Florida	19,305	90.4	89.7 - 91.0	6,279	87.7	86.3 - 88.9	13,026	91.5	90.7 - 92.3
Georgia	6,226	90.8	89.4 - 92.0	2,065	89.5	87.2 - 91.3	4,161	91.1	89.5 - 92.6
Hawaii	308	86.7	79.4 - 91.6	112	82.8	69.4 - 90.7*	196	89.0	81.2 - 93.7
Idaho	1,361	89.0	86.2 - 91.2	445	87.9	82.8 - 91.5	916	89.1	85.5 - 91.8
Illinois	10,506	93.3	92.4 - 94.1	3,405	92.4	90.6 - 93.9	7,101	93.3	92.3 - 94.2
Iowa	3,201	91.9	90.1 - 93.4	1,046	90.4	87.2 - 92.8	2,155	92.2	89.9 - 94.0
Kansas	2,267	93.0	90.9 - 94.6	723	88.7	84.8 - 91.7	1,544	94.3	91.5 - 96.2
Kentucky	4,757	92.1	90.7 - 93.3	1,467	89.8	87.3 - 91.8	3,290	92.8	91.2 - 94.2
Louisiana	3,179	92.1	90.5 - 93.5	1,116	90.7	87.7 - 93.0	2,063	92.3	90.3 - 93.9
Maine	945	89.1	85.5 - 91.8	340	88.8	81.2 - 93.5	605	88.0	83.8 - 91.2
Maryland	3,340	90.1	88.3 - 91.6	1,105	86.7	83.2 - 89.5	2,235	91.4	89.3 - 93.1
MI - Detroit	3,147	89.9	88.2 - 91.3	949	87.7	84.2 - 90.4	2,198	90.6	88.7 - 92.2
Minnesota	3,645	93.7	92.1 - 95.0	1,357	94.0	91.4 - 95.8	2,288	93.0	90.9 - 94.7
Mississippi	1,634	91.2	88.5 - 93.2	552	88.5	83.2 - 92.2	1,082	91.7	88.3 - 94.1
Missouri	5,071	91.6	90.2 - 92.8	1,629	89.4	86.6 - 91.6	3,442	92.3	90.7 - 93.6
Montana	979	92.0	89.0 - 94.2	347	88.9	83.9 - 92.5	632	93.2	89.9 - 95.4
Nebraska	1,323	92.4	89.3 - 94.6	440	89.0	84.2 - 92.4	883	92.9	89.2 - 95.4
New Hampshire	1,199	93.6	90.1 - 95.9	404	88.6	81.6 - 93.1	795	94.6	91.7 - 96.5
New Jersey	7,248	92.4	91.3 - 93.4	2,397	92.2	90.1 - 93.9	4,851	92.2	90.9 - 93.4
New Mexico	1,239	87.9	85.1 - 90.1	387	83.8	78.7 - 87.8	852	88.6	85.4 - 91.1
New York	17,195	90.7	90.0 - 91.4	5,610	88.8	87.4 - 90.1	11,585	91.6	90.7 - 92.3
North Carolina	7,484	92.6	91.5 - 93.5	2,391	90.3	88.2 - 92.1	5,093	93.3	92.1 - 94.4
North Dakota	466	90.4	85.4 - 93.7	159	84.7	69.4 - 92.7	307	92.3	87.2 - 95.5
Ohio	7,848	92.4	91.3 - 93.4	2,602	90.8	88.8 - 92.5	5,246	93.0	91.6 - 94.1
Oklahoma	2,640	91.3	89.3 - 93.0	866	86.6	82.3 - 89.9	1,774	93.0	90.8 - 94.7
Oregon	2,684	93.4	91.5 - 94.9	962	92.8	88.7 - 95.4	1,722	93.2	91.2 - 94.8
Pennsylvania	13,355	92.5	91.6 - 93.2	4,294	91.0	89.4 - 92.4	9,061	93.1	92.1 - 94.0
Rhode Island	754	88.0	84.2 - 90.9	264	83.5	77.0 - 88.3	490	89.4	84.6 - 92.7
South Carolina	3,286	91.8	90.1 - 93.2	1,085	89.9	86.7 - 92.4	2,201	92.6	90.5 - 94.2
South Dakota	659	91.0	86.6 - 94.0	243	85.2	76.7 - 90.7	416	92.6	87.9 - 95.6
Tennessee	5,772	92.1	90.8 - 93.2	1,789	90.1	87.5 - 92.2	3,983	92.6	91.1 - 93.9
Texas	19,685	92.5	91.8 - 93.1	6,249	90.0	88.6 - 91.2	13,436	93.3	92.6 - 94.0
Utah	3,602	93.2	91.7 - 94.5	1,144	89.5	85.8 - 92.3	2,458	94.3	92.5 - 95.7
Vermont	648	92.5	88.6 - 95.0	207	91.1	82.9 - 95.5	441	92.3	88.0 - 95.1
Washington	7,611	93.2	92.1 - 94.2	2,579	91.4	89.2 - 93.2	5,032	94.0	92.8 - 95.1
WA - Seattle	6,231	93.4	92.2 - 94.4	2,096	91.3	88.9 - 93.2	4,135	94.2	92.8 - 95.4
West Virginia	1,692	91.4	88.8 - 93.4	565	87.7	82.7 - 91.2	1,127	92.9	89.7 - 95.1
Wisconsin	5,998	93.6	92.5 - 94.6	1,920	92.5	90.2 - 94.3	4,078	94.0	92.8 - 95.1
Wyoming	467	94.8	90.1 - 97.3	158	-	-	309	95.4	89.0 - 98.1

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

White

III-48 Survival – Brain & Other Nervous System (non-invasive)

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Thyroid**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	249,276	96.6	96.4 - 96.8	65,082	94.1	93.7 - 94.5	184,194	97.6	97.4 - 97.7
Alabama	2,715	96.2	93.9 - 97.6	723	94.1	91.0 - 96.1	1,992	95.2	91.8 - 97.2
Alaska	428	93.8	86.2 - 97.3	125	94.2	86.8 - 97.5	303	91.4	79.7 - 96.5
Arizona	6,156	96.3	94.9 - 97.3	1,514	92.2	89.3 - 94.3	4,642	97.6	96.6 - 98.3
Arkansas	2,155	95.5	92.4 - 97.4	573	91.4	83.7 - 95.5	1,582	96.5	92.9 - 98.3
California	27,198	95.1	94.5 - 95.7	6,830	93.0	91.5 - 94.2	20,368	95.8	95.1 - 96.5
CA - Greater California	15,910	95.1	94.1 - 95.9	3,920	92.5	90.5 - 94.1	11,990	95.7	94.7 - 96.6
CA - Greater Bay Area	4,171	94.4	92.5 - 95.9	1,170	93.5	89.2 - 96.1	3,001	94.2	92.2 - 95.8
CA - Los Angeles	7,051	95.0	93.9 - 95.8	1,728	91.0	88.1 - 93.3	5,323	95.8	94.6 - 96.8
Colorado	5,445	95.3	93.5 - 96.6	1,476	91.0	87.5 - 93.6	3,969	97.0	94.9 - 98.2
Connecticut	4,305	95.7	94.1 - 96.9	1,144	92.7	89.5 - 95.0	3,161	96.9	95.1 - 98.0
Delaware	835	95.2	91.2 - 97.4	186	82.3	69.4 - 90.1	649	96.8	93.2 - 98.5
Florida	16,038	95.8	95.1 - 96.5	4,206	93.7	91.9 - 95.0	11,832	96.6	95.8 - 97.3
Georgia	6,461	96.0	94.0 - 97.3	1,667	92.4	88.5 - 95.1	4,794	97.5	94.9 - 98.8
Hawaii	371	91.5	83.5 - 95.7	127	80.8	66.8 - 89.4	244	96.8	88.5 - 99.1
Idaho	1,670	95.9	92.5 - 97.7	415	91.9	85.2 - 95.7	1,255	96.3	93.3 - 98.0
Illinois	11,752	97.3	96.7 - 97.7	3,122	95.5	94.2 - 96.5	8,630	97.8	96.5 - 98.6
Iowa	2,956	93.5	91.3 - 95.1	801	89.9	85.9 - 92.8	2,155	94.5	91.8 - 96.3
Kansas	2,965	96.9	95.0 - 98.1	750	92.2	87.9 - 95.0	2,215	98.5	96.9 - 99.2
Kentucky	4,633	95.4	93.2 - 96.9	1,214	90.1	85.9 - 93.1	3,419	96.7	95.4 - 97.7
Louisiana	3,606	96.7	95.3 - 97.6	949	93.8	90.3 - 96.1	2,657	97.2	93.9 - 98.7
Maine	1,562	94.6	90.8 - 96.9	454	88.5	80.8 - 93.3	1,108	97.0	93.0 - 98.7
Maryland	4,413	97.2	95.7 - 98.2	1,122	95.2	92.4 - 96.9	3,291	97.5	95.0 - 98.7
MI - Detroit	3,637	96.4	95.1 - 97.3	935	91.9	88.0 - 94.5	2,702	97.7	96.2 - 98.6
Minnesota	4,563	94.5	92.9 - 95.7	1,256	91.3	88.5 - 93.4	3,307	95.9	94.1 - 97.1
Mississippi	1,677	94.8	92.3 - 96.6	448	91.6	86.8 - 94.7	1,229	94.4	90.8 - 96.6
Missouri	4,812	95.5	94.2 - 96.5	1,299	92.7	89.9 - 94.8	3,513	96.4	94.8 - 97.5
Montana	981	92.9	88.8 - 95.5	285	86.2	77.4 - 91.7	696	94.2	90.1 - 96.6
Nebraska	1,767	92.0	88.5 - 94.4	453	85.2	79.0 - 89.6	1,314	94.8	90.0 - 97.3
New Hampshire	1,520	96.2	91.6 - 98.3	394	94.2	90.0 - 96.7	1,126	95.9	92.7 - 97.8
New Jersey	10,406	97.9	96.7 - 98.7	2,763	96.1	94.4 - 97.3	7,643	98.1	96.8 - 98.9
New Mexico	2,055	94.6	91.8 - 96.5	516	88.0	82.3 - 91.9	1,539	96.8	93.8 - 98.4
New York	21,826	96.4	95.7 - 97.0	5,795	93.9	92.5 - 95.1	16,031	97.3	96.4 - 97.9
North Carolina	7,140	95.6	94.2 - 96.6	1,924	92.7	90.2 - 94.6	5,216	96.4	95.4 - 97.2
North Dakota	812	94.9	90.9 - 97.2	211	89.7	79.4 - 95.0	601	95.7	91.3 - 98.0
Ohio	11,160	96.4	95.3 - 97.2	2,743	92.0	89.5 - 93.9	8,417	97.6	96.8 - 98.2
Oklahoma	2,788	96.2	94.4 - 97.4	707	92.8	88.3 - 95.5	2,081	97.0	95.0 - 98.3
Oregon	3,620	95.9	93.8 - 97.3	989	91.5	87.4 - 94.3	2,631	97.1	94.2 - 98.5
Pennsylvania	16,773	97.5	97.0 - 97.9	4,378	95.4	94.0 - 96.5	12,395	98.1	97.6 - 98.6
Rhode Island	1,285	96.0	93.4 - 97.6	340	93.4	86.9 - 96.7	945	96.7	93.7 - 98.3
South Carolina	3,224	95.1	93.4 - 96.4	882	89.4	85.1 - 92.5	2,342	96.9	95.0 - 98.1
South Dakota	739	93.8	90.5 - 96.0	209	90.5	83.0 - 94.8	530	95.1	91.1 - 97.3
Tennessee	5,482	97.0	95.7 - 97.9	1,505	93.5	89.2 - 96.1	3,977	97.7	96.5 - 98.4
Texas	19,341	96.3	95.6 - 96.9	4,975	93.4	92.0 - 94.6	14,366	97.3	96.7 - 97.8
Utah	3,227	94.4	92.2 - 95.9	776	88.9	84.3 - 92.2	2,451	96.8	93.9 - 98.3
Vermont	647	92.7	87.2 - 95.8	184	90.1	80.4 - 95.2	463	93.0	85.5 - 96.7
Washington	5,968	95.6	94.5 - 96.6	1,620	92.6	90.2 - 94.5	4,348	96.6	94.6 - 97.8
WA - Seattle	4,092	95.4	93.4 - 96.8	1,134	92.8	89.7 - 94.9	2,958	96.0	93.4 - 97.6
West Virginia	2,241	96.2	93.1 - 97.9	534	93.7	86.6 - 97.1	1,707	96.6	92.8 - 98.4
Wisconsin	5,339	95.4	94.2 - 96.4	1,410	92.5	89.7 - 94.6	3,929	96.3	94.9 - 97.3
Wyoming	582	93.9	89.2 - 96.5	153	89.9	80.0 - 95.0	429	95.3	89.8 - 97.9

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Hodgkin Lymphoma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	42,836	85.6	85.2 - 86.0	23,780	84.5	83.9 - 85.1	19,056	87.0	86.4 - 87.6
Alabama	516	79.4	74.6 - 83.4	286	74.8	66.7 - 81.2 *	230	83.3	76.5 - 88.3
Alaska	72	81.9	65.9 - 90.9 *	42	-		30	93.2	73.2 - 98.4 *
Arizona	881	80.5	77.1 - 83.4	482	78.9	73.9 - 83.1	399	81.9	77.4 - 85.6
Arkansas	443	85.2	81.1 - 88.4	244	85.9	79.7 - 90.3	199	84.2	78.1 - 88.6
California	4,804	83.8	82.5 - 85.0	2,639	82.6	80.7 - 84.3	2,165	85.0	83.1 - 86.7
CA - Greater California	2,806	83.6	81.9 - 85.2	1,532	82.2	79.8 - 84.3	1,274	84.9	82.4 - 87.2
CA - Greater Bay Area	841	86.1	83.0 - 88.7	476	85.4	80.8 - 89.0	365	86.8	82.8 - 89.9
CA - Los Angeles	1,152	81.9	79.1 - 84.4	631	80.4	76.1 - 84.1	521	83.6	79.8 - 86.7
Colorado	787	87.3	83.8 - 90.1	465	84.1	79.0 - 88.0	322	88.8	82.4 - 93.0
Connecticut	668	89.9	86.5 - 92.4	368	85.3	79.8 - 89.4	300	93.2	89.2 - 95.8
Delaware	127	87.4	79.1 - 92.5	68	89.0	78.1 - 94.6	59	88.7	69.9 - 96.1 *
Florida	3,659	84.2	82.6 - 85.7	2,043	82.7	80.5 - 84.7	1,616	86.1	83.8 - 88.0
Georgia	1,063	82.3	78.9 - 85.2	566	79.5	74.4 - 83.8	497	85.2	81.4 - 88.3
Hawaii	75	86.2	74.5 - 92.8	49	80.0	58.7 - 91.1 *	26	96.0	72.7 - 99.5 *
Idaho	255	87.3	80.5 - 91.8 *	143	87.0	76.9 - 92.9 *	112	87.6	77.2 - 93.5 *
Illinois	1,946	83.7	81.6 - 85.5	1,089	82.5	79.6 - 85.1	857	84.9	82.0 - 87.4
Iowa	591	87.8	84.1 - 90.6	337	86.6	81.6 - 90.3	254	87.8	81.7 - 91.9
Kansas	443	86.8	82.5 - 90.1	262	86.8	81.0 - 91.0	181	85.6	79.0 - 90.3
Kentucky	721	82.5	78.3 - 85.9	400	82.2	76.7 - 86.5	321	81.6	74.8 - 86.8
Louisiana	591	82.6	78.1 - 86.2	314	82.7	76.8 - 87.3	277	81.8	76.1 - 86.3
Maine	281	86.1	81.4 - 89.7	150	83.0	73.6 - 89.3 *	131	89.3	83.8 - 93.1
Maryland	687	86.3	83.0 - 89.0	378	85.2	80.4 - 88.9	309	87.2	82.4 - 90.8
MI - Detroit	580	85.6	80.9 - 89.3	330	88.5	83.1 - 92.2	250	81.4	74.8 - 86.5
Minnesota	985	86.7	83.7 - 89.1	582	84.8	81.1 - 87.9	403	89.1	85.2 - 92.0
Mississippi	312	80.2	74.6 - 84.7	172	80.5	72.8 - 86.3	140	80.0	72.0 - 86.0
Missouri	978	84.8	81.9 - 87.3	534	84.6	80.5 - 88.0	444	84.1	80.0 - 87.5
Montana	177	84.3	79.5 - 88.1	94	83.1	75.7 - 88.4	83	87.3	76.2 - 93.4 *
Nebraska	355	88.0	83.3 - 91.4	210	87.7	82.2 - 91.5	145	87.5	78.9 - 92.7 *
New Hampshire	255	88.1	82.7 - 91.9	145	87.8	80.6 - 92.4	110	89.4	80.9 - 94.3 *
New Jersey	1,571	87.7	85.4 - 89.6	856	87.0	83.9 - 89.6	715	88.0	84.8 - 90.6
New Mexico	309	81.9	76.4 - 86.2	189	72.8	62.9 - 80.4 *	120	87.0	79.8 - 91.8
New York	3,415	86.5	85.0 - 87.9	1,835	86.7	84.5 - 88.6	1,580	85.9	83.6 - 87.8
North Carolina	1,258	85.6	83.0 - 87.9	720	83.6	79.9 - 86.7	538	87.8	84.1 - 90.7
North Dakota	141	85.6	77.1 - 91.1	94	87.1	71.9 - 94.3 *	47	87.7	69.9 - 95.3 *
Ohio	1,831	85.9	83.8 - 87.8	1,020	84.3	80.7 - 87.2	811	87.5	84.4 - 90.0
Oklahoma	490	83.6	79.6 - 86.9	267	82.4	76.9 - 86.7	223	84.2	78.5 - 88.5
Oregon	614	84.2	80.3 - 87.3	333	80.9	74.5 - 85.8 *	281	87.3	80.8 - 91.7
Pennsylvania	2,494	87.0	85.1 - 88.7	1,405	86.5	83.8 - 88.7	1,089	87.4	84.5 - 89.8
Rhode Island	225	84.8	77.2 - 90.0	116	82.3	69.1 - 90.2 *	109	85.3	73.2 - 92.2
South Carolina	586	85.3	81.6 - 88.3	314	83.3	77.1 - 87.9	272	87.2	82.4 - 90.8
South Dakota	138	87.0	80.3 - 91.6	77	82.1	76.8 - 86.4	61	94.7	86.4 - 98.0
Tennessee	949	84.7	81.2 - 87.6	502	81.7	76.4 - 85.9	447	87.8	82.7 - 91.4
Texas	3,458	83.5	82.0 - 84.9	1,907	81.5	79.4 - 83.5	1,551	85.6	83.4 - 87.5
Utah	446	90.3	85.7 - 93.5	229	87.4	81.2 - 91.7	217	93.7	86.9 - 97.0
Vermont	132	91.2	81.0 - 96.1	69	93.7	83.0 - 97.8	63	87.9	68.5 - 95.7 *
Washington	1,046	91.3	89.0 - 93.2	616	89.9	86.6 - 92.4	430	92.0	86.7 - 95.3
WA - Seattle	710	92.2	89.5 - 94.3	409	90.9	87.1 - 93.6	301	93.2	86.4 - 96.7
West Virginia	304	77.8	72.1 - 82.5	172	75.1	67.2 - 81.4	132	81.2	74.3 - 86.4
Wisconsin	1,096	87.8	85.2 - 90.0	618	85.6	81.7 - 88.7	478	89.6	85.8 - 92.5
Wyoming	81	85.7	69.6 - 93.6 *	49	80.0	57.6 - 91.3 *	32	93.8	73.9 - 98.7 *

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

White

III-50 Survival – Hodgkin Lymphoma

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Non-Hodgkin Lymphoma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	368,162	71.6	71.4 - 71.8	202,918	69.5	69.2 - 69.9	165,244	74.2	73.9 - 74.5
Alabama	5,105	68.8	66.8 - 70.7	2,789	67.3	64.7 - 69.9	2,316	69.8	66.9 - 72.6
Alaska	636	72.6	66.2 - 78.0	388	69.9	61.9 - 76.5	248	75.7	65.9 - 83.0
Arizona	7,722	67.5	66.0 - 69.0	4,306	65.0	62.8 - 67.0	3,416	70.5	68.3 - 72.6
Arkansas	3,727	70.3	67.9 - 72.6	2,041	67.8	64.2 - 71.2	1,686	72.8	69.5 - 75.7
California	40,670	70.1	69.4 - 70.7	22,783	68.7	67.7 - 69.6	17,887	72.0	71.0 - 73.0
CA - Greater California	23,650	69.3	68.4 - 70.2	13,295	67.5	66.2 - 68.8	10,355	71.6	70.3 - 72.9
CA - Greater Bay Area	7,557	74.8	73.2 - 76.3	4,279	74.4	72.4 - 76.2	3,278	75.2	72.9 - 77.4
CA - Los Angeles	9,441	68.1	66.7 - 69.5	5,196	66.5	64.4 - 68.5	4,245	70.1	68.1 - 72.1
Colorado	6,106	72.3	70.5 - 74.0	3,433	70.4	67.8 - 72.7	2,673	74.5	71.9 - 76.9
Connecticut	5,699	73.7	71.9 - 75.5	3,119	72.1	69.5 - 74.6	2,580	75.7	73.2 - 78.1
Delaware	1,354	68.2	64.2 - 71.8	736	62.5	56.5 - 67.9	618	74.0	68.7 - 78.6
Florida	34,961	73.1	72.3 - 73.8	19,263	69.6	68.5 - 70.6	15,698	77.2	76.2 - 78.2
Georgia	9,420	69.3	67.7 - 70.9	5,256	67.3	65.0 - 69.5	4,164	71.5	69.3 - 73.6
Hawaii	652	70.3	64.6 - 75.3	399	69.6	61.6 - 76.3	253	71.8	63.2 - 78.8
Idaho	2,234	70.1	67.0 - 73.0	1,264	66.9	62.5 - 70.8	970	73.5	69.1 - 77.5
Illinois	16,414	72.4	71.3 - 73.4	8,920	70.9	69.3 - 72.3	7,494	74.1	72.6 - 75.6
Iowa	5,228	71.3	69.3 - 73.2	2,892	69.3	66.7 - 71.9	2,336	73.7	71.0 - 76.3
Kansas	4,109	73.4	71.1 - 75.4	2,291	71.7	68.5 - 74.6	1,818	75.2	71.9 - 78.2
Kentucky	6,634	69.1	67.4 - 70.7	3,616	65.9	63.5 - 68.1	3,018	72.6	69.9 - 75.1
Louisiana	5,231	71.2	69.2 - 73.1	2,878	67.7	64.7 - 70.5	2,353	75.2	72.5 - 77.8
Maine	2,463	72.8	69.9 - 75.4	1,352	71.0	66.6 - 74.8	1,111	74.1	70.3 - 77.5
Maryland	5,834	74.4	72.5 - 76.2	3,188	71.6	68.9 - 74.2	2,646	77.1	74.7 - 79.3
MI - Detroit	5,200	70.7	68.7 - 72.5	2,805	68.6	65.8 - 71.1	2,395	73.0	70.3 - 75.6
Minnesota	8,535	73.1	71.7 - 74.6	4,797	71.2	69.2 - 73.2	3,738	75.6	73.5 - 77.5
Mississippi	2,884	68.1	65.2 - 70.8	1,584	64.0	59.8 - 67.9	1,300	72.1	68.2 - 75.6
Missouri	8,264	71.1	69.5 - 72.7	4,558	68.5	66.2 - 70.7	3,706	74.1	71.8 - 76.1
Montana	1,589	71.1	67.5 - 74.4	896	70.5	65.4 - 74.9	693	70.7	65.3 - 75.4
Nebraska	2,829	73.1	70.4 - 75.7	1,552	72.3	68.2 - 76.1	1,277	73.7	69.9 - 77.1
New Hampshire	2,326	75.5	72.5 - 78.2	1,279	71.9	67.5 - 75.8	1,047	79.4	75.3 - 83.0
New Jersey	13,060	73.7	72.5 - 74.9	6,997	71.1	69.4 - 72.8	6,063	76.7	75.1 - 78.3
New Mexico	2,241	68.1	65.1 - 71.0	1,181	65.8	61.3 - 69.9	1,060	70.6	66.4 - 74.4
New York	27,679	73.1	72.3 - 73.9	14,959	71.1	69.9 - 72.3	12,720	75.5	74.4 - 76.6
North Carolina	11,045	70.7	69.3 - 72.1	6,110	69.2	67.1 - 71.1	4,935	72.7	70.7 - 74.6
North Dakota	1,026	72.2	68.4 - 75.7	561	71.1	65.7 - 75.8	465	72.4	66.1 - 77.8
Ohio	16,027	71.4	70.3 - 72.5	8,799	69.2	67.5 - 70.8	7,228	74.0	72.5 - 75.5
Oklahoma	4,469	67.1	64.9 - 69.2	2,426	66.3	63.0 - 69.4	2,043	67.8	64.7 - 70.6
Oregon	5,794	73.9	72.1 - 75.6	3,197	72.7	70.2 - 75.0	2,597	74.4	71.7 - 76.9
Pennsylvania	21,011	71.7	70.7 - 72.6	11,337	69.9	68.5 - 71.2	9,674	73.9	72.5 - 75.1
Rhode Island	1,688	71.0	67.8 - 73.9	914	68.9	64.2 - 73.1	774	73.1	68.6 - 77.0
South Carolina	5,240	70.4	68.4 - 72.3	2,876	68.2	65.3 - 71.0	2,364	72.6	69.8 - 75.3
South Dakota	1,246	71.4	67.5 - 74.9	689	68.9	63.5 - 73.6	557	73.7	67.9 - 78.6
Tennessee	8,195	69.1	67.5 - 70.7	4,543	66.7	64.4 - 68.9	3,652	71.8	69.5 - 74.1
Texas	27,071	70.5	69.6 - 71.3	15,033	67.9	66.6 - 69.1	12,038	73.6	72.3 - 74.7
Utah	2,959	71.9	69.3 - 74.4	1,728	71.0	67.4 - 74.3	1,231	73.3	69.3 - 77.0
Vermont	1,105	75.6	71.3 - 79.4	623	73.2	66.9 - 78.5	482	77.2	71.0 - 82.3
Washington	9,444	72.4	70.9 - 73.8	5,360	70.1	68.0 - 72.1	4,084	75.1	73.1 - 77.1
WA - Seattle	6,696	72.0	70.3 - 73.7	3,813	69.9	67.4 - 72.2	2,883	74.6	72.2 - 76.9
West Virginia	3,130	69.0	66.6 - 71.2	1,689	67.0	63.6 - 70.2	1,441	70.9	67.3 - 74.2
Wisconsin	9,188	74.2	72.8 - 75.6	5,091	72.4	70.4 - 74.4	4,097	76.2	74.1 - 78.2
Wyoming	718	66.8	61.3 - 71.7	420	66.2	59.0 - 72.4	298	67.3	59.0 - 74.3

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Myeloma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	117,166	55.9	55.4 - 56.3	67,449	55.6	55.0 - 56.2	49,717	56.3	55.6 - 57.0
Alabama	1,617	48.8	45.0 - 52.6	942	46.7	41.8 - 51.4	675	51.3	45.3 - 56.9
Alaska	173	45.6	32.9 - 57.3	105	48.6	34.2 - 61.6*	68	-	
Arizona	2,424	51.1	48.0 - 54.1	1,416	48.3	44.0 - 52.5	1,008	54.1	49.7 - 58.3
Arkansas	1,244	57.3	52.8 - 61.5	705	57.1	51.0 - 62.8	539	57.1	50.7 - 62.9
California	12,841	52.8	51.5 - 54.2	7,526	52.8	51.1 - 54.6	5,315	52.9	50.8 - 54.9
CA - Greater California	7,781	52.1	50.4 - 53.8	4,557	52.6	50.3 - 54.8	3,224	51.4	48.7 - 54.0
CA - Greater Bay Area	2,233	55.0	51.7 - 58.2	1,343	54.6	50.2 - 58.7	890	55.5	50.2 - 60.6
CA - Los Angeles	2,815	53.1	50.3 - 55.9	1,619	52.4	48.6 - 56.0	1,196	53.7	49.4 - 57.9
Colorado	2,116	60.7	57.5 - 63.8	1,275	58.4	54.0 - 62.5	841	63.0	58.1 - 67.5
Connecticut	1,755	58.6	55.0 - 62.0	1,007	58.3	53.6 - 62.7	748	57.6	52.0 - 62.8
Delaware	384	51.7	43.6 - 59.1	218	53.1	41.7 - 63.3	166	47.8	36.3 - 58.4
Florida	11,370	60.1	58.6 - 61.5	6,514	58.8	56.8 - 60.8	4,856	61.6	59.5 - 63.7
Georgia	3,113	55.8	53.0 - 58.6	1,809	54.8	51.0 - 58.5	1,304	56.9	52.7 - 60.9
Hawaii	214	48.8	38.4 - 58.4	142	45.2	33.7 - 56.1	72	56.0	37.9 - 70.8*
Idaho	765	52.2	46.7 - 57.5	469	53.7	46.3 - 60.5	296	42.2	33.1 - 51.0*
Illinois	4,761	56.6	54.4 - 58.8	2,677	56.7	53.8 - 59.6	2,084	56.3	52.8 - 59.6
Iowa	1,738	51.5	47.8 - 55.0	993	54.1	49.3 - 58.7	745	48.1	42.5 - 53.4
Kansas	1,287	57.5	53.2 - 61.6	735	55.2	49.2 - 60.8	552	60.8	54.9 - 66.2
Kentucky	2,136	48.9	45.2 - 52.4	1,272	46.0	41.2 - 50.6	864	52.7	47.4 - 57.7
Louisiana	1,558	53.4	49.2 - 57.4	904	56.3	50.9 - 61.4	654	48.4	42.3 - 54.2*
Maine	761	57.4	52.0 - 62.4	414	58.8	51.2 - 65.6	347	52.1	43.6 - 59.9*
Maryland	1,738	54.7	50.9 - 58.3	966	55.7	50.5 - 60.6	772	53.8	48.3 - 58.9
MI - Detroit	1,574	52.8	48.8 - 56.5	902	51.3	46.0 - 56.4	672	50.5	44.5 - 56.3*
Minnesota	2,610	60.7	57.7 - 63.5	1,524	60.1	56.1 - 63.9	1,086	61.6	57.0 - 65.8
Mississippi	908	49.0	43.7 - 54.1	549	48.5	41.6 - 55.0	359	49.4	41.1 - 57.1
Missouri	2,605	54.1	51.0 - 57.1	1,515	53.5	49.4 - 57.5	1,090	54.5	49.6 - 59.1
Montana	586	53.6	46.4 - 60.3	356	53.9	45.3 - 61.7	230	48.5	36.9 - 59.0*
Nebraska	846	53.2	47.8 - 58.3	517	49.5	42.6 - 56.1	329	57.9	49.3 - 65.6
New Hampshire	694	65.3	59.8 - 70.3	399	66.4	58.3 - 73.4	295	61.5	53.1 - 68.8
New Jersey	3,914	58.4	56.0 - 60.8	2,211	57.4	53.9 - 60.7	1,703	59.7	56.2 - 63.1
New Mexico	783	52.9	47.6 - 57.9	467	55.9	48.7 - 62.4	316	49.1	41.3 - 56.4
New York	9,161	59.3	57.8 - 60.9	5,187	60.4	58.2 - 62.5	3,974	58.3	56.0 - 60.5
North Carolina	3,896	56.7	54.3 - 59.1	2,145	57.6	54.2 - 61.0	1,751	55.4	51.6 - 59.1
North Dakota	353	58.5	51.3 - 65.0	202	60.4	50.6 - 68.9	151	56.2	45.6 - 65.5
Ohio	4,401	49.8	47.4 - 52.2	2,503	47.9	44.6 - 51.1	1,898	52.4	48.7 - 55.9
Oklahoma	1,443	50.0	45.7 - 54.2	835	50.1	44.3 - 55.6	608	49.2	42.4 - 55.6
Oregon	1,698	54.5	50.6 - 58.2	989	54.0	48.9 - 58.9	709	55.2	49.2 - 60.7
Pennsylvania	6,192	54.3	52.3 - 56.3	3,542	54.9	52.3 - 57.5	2,650	53.4	50.4 - 56.3
Rhode Island	458	63.0	56.6 - 68.7	269	65.3	56.3 - 72.9	189	61.2	52.6 - 68.8
South Carolina	1,815	49.4	45.7 - 53.0	1,029	51.3	46.2 - 56.2	786	47.1	41.5 - 52.4
South Dakota	436	56.3	48.9 - 63.0	269	58.0	49.0 - 66.0	167	51.8	41.8 - 61.0
Tennessee	2,556	55.0	51.8 - 58.0	1,482	53.4	49.2 - 57.4	1,074	57.4	52.7 - 61.8
Texas	9,778	56.8	55.3 - 58.3	5,552	55.1	52.9 - 57.1	4,226	59.2	56.9 - 61.4
Utah	1,026	56.0	51.3 - 60.3	607	57.4	51.3 - 62.9	419	53.5	46.5 - 60.0
Vermont	318	50.0	41.1 - 58.2	193	49.2	38.2 - 59.3	125	50.8	37.7 - 62.5
Washington	2,929	59.0	56.1 - 61.7	1,720	60.0	56.2 - 63.6	1,209	57.8	53.6 - 61.8
WA - Seattle	2,110	58.0	54.6 - 61.2	1,241	59.6	55.1 - 63.9	869	56.7	51.7 - 61.4
West Virginia	978	50.2	45.1 - 55.1	574	48.9	42.1 - 55.3	404	54.0	47.4 - 60.3
Wisconsin	2,964	59.8	57.2 - 62.2	1,682	61.6	58.0 - 64.9	1,282	57.8	54.0 - 61.5
Wyoming	249	50.5	40.5 - 59.7*	140	50.5	37.1 - 62.4*	109	50.5	35.1 - 64.1*

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Leukemias**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	257,043	58.2	57.9 - 58.5	151,770	57.9	57.5 - 58.2	105,273	58.6	58.2 - 59.0
Alabama	3,393	50.5	48.0 - 52.9	1,983	50.5	47.1 - 53.9	1,410	49.8	46.1 - 53.4
Alaska	379	60.3	51.2 - 68.3	238	58.9	46.7 - 69.2	141	61.2	48.6 - 71.6
Arizona	4,955	43.8	41.9 - 45.7	2,993	42.9	40.4 - 45.4	1,962	44.9	41.9 - 47.9
Arkansas	2,596	56.6	53.4 - 59.7	1,553	55.2	51.2 - 59.0	1,043	58.0	53.1 - 62.7
California	26,065	54.8	53.9 - 55.6	15,460	55.0	53.8 - 56.1	10,605	54.3	53.0 - 55.7
CA - Greater California	15,661	53.3	52.2 - 54.4	9,243	53.0	51.6 - 54.5	6,418	53.6	51.9 - 55.3
CA - Greater Bay Area	4,623	60.7	58.7 - 62.7	2,821	60.8	58.1 - 63.4	1,802	59.9	56.8 - 62.9
CA - Los Angeles	5,762	53.2	51.3 - 55.1	3,384	54.6	52.1 - 57.0	2,378	51.0	48.1 - 53.9
Colorado	4,392	60.2	58.1 - 62.3	2,637	60.2	57.4 - 63.0	1,755	60.1	56.9 - 63.2
Connecticut	3,778	57.8	55.5 - 60.0	2,122	57.6	54.5 - 60.6	1,656	57.7	54.3 - 60.9
Delaware	836	56.9	52.2 - 61.3	520	56.1	50.2 - 61.6	316	57.9	50.2 - 64.7
Florida	26,616	63.2	62.3 - 64.0	15,520	61.2	60.1 - 62.4	11,096	65.7	64.4 - 67.0
Georgia	7,073	58.7	57.0 - 60.3	4,136	58.1	55.9 - 60.2	2,937	59.2	56.7 - 61.6
Hawaii	418	56.7	50.0 - 62.8	266	57.0	48.7 - 64.4	152	51.5	40.0 - 61.8
Idaho	1,755	61.8	58.3 - 65.1	1,033	61.8	57.0 - 66.2	722	61.0	55.7 - 65.7
Illinois	10,341	54.1	52.8 - 55.5	5,995	54.8	52.9 - 56.6	4,346	53.2	51.2 - 55.2
Iowa	3,905	58.9	56.6 - 61.0	2,330	58.9	55.9 - 61.8	1,575	58.2	54.8 - 61.4
Kansas	3,011	63.4	60.8 - 65.9	1,829	64.4	61.0 - 67.6	1,182	61.3	57.4 - 64.9
Kentucky	4,984	55.1	52.9 - 57.2	2,876	54.7	51.7 - 57.6	2,108	55.4	52.4 - 58.4
Louisiana	3,524	57.7	55.2 - 60.2	2,059	56.1	52.8 - 59.3	1,465	59.2	55.5 - 62.8
Maine	1,712	60.4	57.0 - 63.6	1,011	58.4	53.8 - 62.8	701	60.9	56.0 - 65.5
Maryland	3,720	54.7	52.3 - 57.0	2,144	56.0	52.7 - 59.1	1,576	52.8	49.3 - 56.2
MI - Detroit	3,800	58.9	56.6 - 61.2	2,234	58.9	55.8 - 61.9	1,566	58.6	55.0 - 62.0
Minnesota	6,220	61.7	59.9 - 63.4	3,917	61.4	59.1 - 63.6	2,303	61.8	59.0 - 64.5
Mississippi	1,918	52.8	49.4 - 56.1	1,134	49.6	45.3 - 53.9	784	55.9	50.8 - 60.7
Missouri	5,759	54.8	52.9 - 56.7	3,411	54.6	52.1 - 57.1	2,348	54.7	51.9 - 57.5
Montana	1,236	63.0	58.9 - 66.9	802	63.7	58.6 - 68.4	434	61.2	54.6 - 67.1
Nebraska	1,784	53.6	50.1 - 56.9	1,072	53.5	48.9 - 57.9	712	53.8	48.5 - 58.8
New Hampshire	1,467	59.0	55.4 - 62.4	918	57.4	52.8 - 61.7	549	60.4	54.6 - 65.8
New Jersey	8,743	59.8	58.3 - 61.3	5,035	59.6	57.5 - 61.6	3,708	59.9	57.7 - 62.1
New Mexico	1,757	56.4	52.9 - 59.7	1,011	55.4	50.7 - 59.9	746	56.8	51.9 - 61.5
New York	20,669	62.3	61.3 - 63.3	12,064	62.3	61.0 - 63.6	8,605	62.1	60.7 - 63.5
North Carolina	8,537	60.6	59.0 - 62.1	5,015	60.1	57.9 - 62.2	3,522	61.5	59.1 - 63.8
North Dakota	814	58.6	53.8 - 63.1	491	58.1	52.0 - 63.8	323	57.8	50.1 - 64.7
Ohio	9,110	51.5	50.0 - 52.9	5,368	51.5	49.5 - 53.4	3,742	51.3	49.1 - 53.5
Oklahoma	3,228	55.6	53.0 - 58.2	1,879	56.1	52.6 - 59.6	1,349	54.1	50.2 - 57.9
Oregon	3,621	57.0	54.6 - 59.4	2,159	55.4	52.2 - 58.5	1,462	58.8	55.0 - 62.4
Pennsylvania	14,053	57.2	56.0 - 58.4	8,266	57.5	55.9 - 59.1	5,787	56.9	55.1 - 58.7
Rhode Island	1,104	60.0	55.7 - 64.0	654	58.0	51.9 - 63.6	450	61.6	55.6 - 66.9
South Carolina	3,835	53.1	50.8 - 55.3	2,302	51.8	48.8 - 54.7	1,533	54.0	50.4 - 57.4
South Dakota	1,000	61.9	57.7 - 65.8	593	62.0	56.5 - 67.1	407	60.0	53.3 - 66.1
Tennessee	5,747	57.2	55.2 - 59.1	3,413	55.4	52.8 - 58.0	2,334	59.2	56.2 - 62.0
Texas	19,807	58.6	57.5 - 59.6	11,648	57.8	56.3 - 59.2	8,159	59.5	57.9 - 61.1
Utah	2,210	58.5	55.5 - 61.5	1,350	60.3	56.4 - 64.1	860	55.6	50.8 - 60.2
Vermont	626	56.1	50.1 - 61.7	373	56.1	48.3 - 63.2	253	56.8	48.0 - 64.7
Washington	6,650	61.8	60.1 - 63.5	4,019	61.7	59.4 - 63.9	2,631	61.6	59.1 - 64.0
WA - Seattle	4,895	64.9	62.9 - 66.9	2,954	65.2	62.5 - 67.8	1,941	64.1	61.1 - 66.9
West Virginia	2,297	55.9	52.9 - 58.9	1,336	56.1	52.1 - 60.0	961	55.2	50.5 - 59.7
Wisconsin	7,072	63.5	61.8 - 65.1	4,275	63.9	61.7 - 66.0	2,797	62.4	59.8 - 64.9
Wyoming	526	56.3	50.0 - 62.2	326	55.3	46.9 - 62.9	200	58.1	48.4 - 66.7

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, White, Mesothelioma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	18,292	15.3	14.5 - 16.2	13,761	13.1	12.1 - 14.2	4,531	20.1	18.5 - 21.8
Alabama	241	11.7	6.5 - 18.7 *	191	7.3	2.8 - 14.8 *	50	27.0	14.1 - 41.7 *
Alaska	41	-		32	-		-	-	
Arizona	461	17.3	12.1 - 23.3	361	17.0	11.2 - 23.8	100	14.6	6.7 - 25.5 *
Arkansas	153	13.2	7.2 - 21.1 *	117	13.9	6.9 - 23.3 *	36	11.3	2.4 - 27.9 *
California	2,064	12.7	10.2 - 15.5	1,517	9.9	7.0 - 13.4	547	17.0	12.5 - 22.1
CA - Greater California	1,273	9.5	7.0 - 12.6 *	947	7.6	5.1 - 10.6 *	326	16.5	9.9 - 24.7 *
CA - Greater Bay Area	375	9.6	5.5 - 15.1 *	269	9.9	5.5 - 15.9 *	106	10.1	3.0 - 22.2 *
CA - Los Angeles	416	8.4	5.0 - 13.1 *	301	5.6	2.3 - 11.3 *	115	14.2	7.3 - 23.4 *
Colorado	290	12.0	6.7 - 18.8 *	219	10.9	5.5 - 18.4 *	71	14.9	5.0 - 29.8 *
Connecticut	285	10.9	6.9 - 16.1 *	228	11.2	5.9 - 18.3	57	22.0	11.1 - 35.3 *
Delaware	94	17.2	7.7 - 29.9 *	78	13.2	5.1 - 25.3 *	16	-	
Florida	1,501	17.4	14.3 - 20.8	1,121	13.2	9.4 - 17.7	380	23.2	17.8 - 29.0
Georgia	351	13.7	9.2 - 19.0	270	11.8	6.6 - 18.5 *	81	9.6	2.7 - 21.9 *
Hawaii	18	-		15	-		-	-	
Idaho	156	10.1	4.0 - 19.5 *	122	8.6	2.8 - 18.6 *	34	-	
Illinois	902	13.3	9.5 - 17.8	646	12.0	7.4 - 17.6	256	12.9	7.7 - 19.5 *
Iowa	224	13.3	7.5 - 20.7 *	169	9.3	4.1 - 17.0 *	55	23.9	10.3 - 40.5 *
Kansas	166	10.8	5.3 - 18.4 *	123	8.7	3.5 - 16.8 *	43	16.7	4.2 - 36.3 *
Kentucky	243	9.0	5.0 - 14.4 *	187	6.3	2.5 - 12.4 *	56	17.8	8.8 - 29.3
Louisiana	360	13.6	9.7 - 18.1	260	6.1	2.7 - 11.6 *	100	9.7	2.8 - 21.9 *
Maine	174	12.9	5.8 - 23.1 *	131	10.4	2.8 - 24.0 *	43	17.4	6.6 - 32.5 *
Maryland	292	20.7	14.0 - 28.3	210	19.4	12.0 - 28.1	82	25.5	15.3 - 36.9 *
MI - Detroit	242	7.5	2.9 - 14.9 *	189	6.6	2.4 - 13.6 *	53	-	
Minnesota	488	19.5	14.7 - 24.9	356	9.8	6.2 - 14.4 *	132	28.4	19.9 - 37.4
Mississippi	148	11.6	4.7 - 22.0 *	104	10.5	4.2 - 20.2 *	44	-	
Missouri	354	11.1	7.0 - 16.3	267	5.3	2.1 - 10.8 *	87	18.0	9.0 - 29.4 *
Montana	115	14.3	7.8 - 22.6 *	87	10.6	4.5 - 19.7 *	28	26.5	10.1 - 46.4 *
Nebraska	108	10.2	2.9 - 22.9 *	79	6.0	0.7 - 20.3 *	29	23.6	8.7 - 42.6 *
New Hampshire	115	12.5	6.1 - 21.2 *	91	6.4	1.5 - 16.6 *	24	27.1	10.5 - 46.9 *
New Jersey	743	18.1	14.2 - 22.5	545	14.3	9.8 - 19.7	198	24.5	16.9 - 32.9
New Mexico	120	14.3	7.5 - 23.1 *	92	15.9	8.1 - 26.1 *	28	-	
New York	1,254	16.4	13.1 - 20.0	928	12.9	9.1 - 17.4	326	23.7	17.5 - 30.4
North Carolina	473	17.7	13.2 - 22.8	372	10.0	6.1 - 15.1 *	101	25.5	15.7 - 36.6 *
North Dakota	50	17.5	5.9 - 34.2 *	40	14.7	3.7 - 32.7 *	10	-	
Ohio	891	7.3	4.8 - 10.6 *	682	5.8	3.2 - 9.5 *	209	11.3	5.1 - 20.2
Oklahoma	174	15.3	8.4 - 24.2 *	137	9.8	3.9 - 18.9 *	37	27.9	12.5 - 45.8 *
Oregon	304	10.9	6.6 - 16.5 *	229	14.7	9.1 - 21.5 *	75	0.0	
Pennsylvania	1,224	14.8	11.5 - 18.6	916	14.3	10.3 - 18.9	308	9.4	4.6 - 16.3 *
Rhode Island	87	14.1	5.7 - 26.1 *	71	-		16	-	
South Carolina	302	9.8	5.1 - 16.1	223	11.3	5.8 - 18.8 *	79	-	
South Dakota	49	-		41	-		-	-	
Tennessee	352	10.3	6.2 - 15.6	275	4.8	1.5 - 11.3	77	17.4	8.0 - 29.9 *
Texas	1,174	17.8	14.9 - 21.0	887	16.5	12.7 - 20.6	287	23.2	17.3 - 29.5
Utah	124	13.1	6.2 - 22.6 *	89	4.0	1.4 - 8.9	35	-	
Vermont	48	9.2	0.9 - 29.5 *	42	5.3	0.4 - 20.7 *	-	-	
Washington	592	13.0	9.1 - 17.7	462	6.6	3.8 - 10.4 *	130	15.8	9.0 - 24.2 *
WA - Seattle	408	9.3	5.8 - 13.7 *	318	6.8	3.6 - 11.3 *	90	18.9	9.4 - 30.9 *
West Virginia	182	5.9	2.0 - 13.2 *	148	4.1	0.8 - 11.8 *	34	14.1	2.7 - 34.6 *
Wisconsin	508	19.6	14.7 - 25.0	374	6.5	3.5 - 10.9 *	134	31.3	22.0 - 40.9
Wyoming	55	22.9	10.0 - 38.9 *	38	25.4	9.8 - 44.6 *	17	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, All Sites (invasive)**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	1,065,678	59.0	58.8 - 59.1	536,717	59.9	59.7 - 60.1	528,961	57.6	57.4 - 57.8
Alabama	37,563	58.0	57.1 - 58.8	19,563	58.4	57.3 - 59.5	18,000	57.1	55.9 - 58.2
Alaska	490	62.9	53.3 - 71.2	275	64.6	52.8 - 74.1	215	61.9	46.4 - 74.0
Arizona	5,935	57.9	55.8 - 59.8	3,062	56.8	53.7 - 59.7	2,873	58.2	55.5 - 60.8
Arkansas	13,058	55.8	54.3 - 57.2	6,970	56.0	53.9 - 58.1	6,088	54.8	52.7 - 56.9
California	70,336	59.1	58.5 - 59.7	35,695	60.5	59.7 - 61.4	34,641	57.3	56.5 - 58.1
CA - Greater California	27,908	59.3	58.3 - 60.2	14,714	60.4	59.1 - 61.8	13,194	57.6	56.2 - 59.0
CA - Greater Bay Area	14,877	59.6	58.4 - 60.8	7,702	60.8	59.0 - 62.5	7,175	57.8	56.0 - 59.5
CA - Los Angeles	27,619	58.2	57.3 - 59.1	13,316	60.0	58.7 - 61.4	14,303	56.2	55.0 - 57.4
Colorado	5,062	63.2	60.9 - 65.5	2,813	64.9	61.6 - 67.9	2,249	60.0	56.7 - 63.2
Connecticut	10,522	61.4	59.9 - 62.9	5,181	61.4	59.2 - 63.5	5,341	60.6	58.6 - 62.6
Delaware	6,360	61.1	59.1 - 63.1	3,226	61.7	58.7 - 64.6	3,134	59.8	56.9 - 62.5
Florida	80,592	61.6	61.1 - 62.1	40,931	62.9	62.1 - 63.6	39,661	59.6	58.8 - 60.3
Georgia	84,009	58.6	58.1 - 59.2	42,344	59.5	58.6 - 60.3	41,665	57.3	56.5 - 58.1
Hawaii	589	62.6	55.3 - 69.1	395	72.2	65.8 - 77.7 *	194	57.8	44.7 - 68.9
Idaho	162	61.9	49.2 - 72.3	104	69.6	54.1 - 80.8 *	58	58.0	39.6 - 72.6
Illinois	58,583	58.2	57.6 - 58.9	28,316	58.5	57.5 - 59.5	30,267	57.5	56.6 - 58.3
Iowa	2,126	57.0	53.0 - 60.8	1,156	56.9	51.3 - 62.1	970	55.7	50.3 - 60.8
Kansas	4,726	61.6	59.1 - 64.0	2,498	62.6	58.8 - 66.2	2,228	59.9	56.5 - 63.1
Kentucky	10,531	57.2	55.6 - 58.7	5,273	57.8	55.4 - 60.1	5,258	56.2	54.1 - 58.2
Louisiana	45,355	56.4	55.6 - 57.2	23,886	56.6	55.5 - 57.7	21,469	55.7	54.6 - 56.8
Maine	272	65.0	54.5 - 73.6	162	70.9	57.1 - 80.9	110	67.3	53.1 - 78.1 *
Maryland	51,956	63.2	62.5 - 63.9	25,012	65.0	63.9 - 66.1	26,944	60.9	59.9 - 61.8
MI - Detroit	33,221	57.4	56.5 - 58.2	16,507	58.8	57.5 - 60.1	16,714	55.5	54.3 - 56.7
Minnesota	5,807	59.5	57.1 - 61.9	3,116	60.2	56.7 - 63.6	2,691	58.0	54.5 - 61.3
Mississippi	32,949	55.1	54.2 - 56.0	17,470	55.7	54.4 - 57.1	15,479	53.8	52.5 - 55.0
Missouri	20,915	56.4	55.2 - 57.5	10,095	56.3	54.7 - 57.9	10,820	55.9	54.4 - 57.4
Montana	86	59.7	43.8 - 72.4 *	61	63.7	43.8 - 78.2 *	25	-	-
Nebraska	2,215	60.3	57.1 - 63.4	1,210	59.2	54.8 - 63.3	1,005	60.2	55.5 - 64.6
New Hampshire	297	60.3	50.0 - 69.1	190	60.7	48.1 - 71.2	107	57.0	38.4 - 71.9
New Jersey	38,039	59.9	59.1 - 60.6	18,395	63.1	61.9 - 64.3	19,644	56.4	55.3 - 57.5
New Mexico	975	56.7	51.5 - 61.5	567	54.7	47.6 - 61.1	408	57.4	50.5 - 63.7
New York	105,539	59.9	59.5 - 60.4	52,078	62.1	61.4 - 62.8	53,461	57.3	56.6 - 57.9
North Carolina	67,040	59.8	59.2 - 60.4	33,801	60.2	59.2 - 61.1	33,239	59.2	58.3 - 60.0
North Dakota	117	89.4	77.2 - 95.2 *	71	92.8	73.1 - 98.2 *	46	83.3	61.9 - 93.3 *
Ohio	41,719	59.6	58.8 - 60.3	20,722	60.2	59.1 - 61.3	20,997	58.4	57.4 - 59.5
Oklahoma	7,783	56.7	54.9 - 58.5	4,103	57.4	54.7 - 60.1	3,680	54.9	52.4 - 57.3
Oregon	2,023	59.4	55.7 - 62.8	1,176	57.1	51.9 - 62.0	847	61.5	56.2 - 66.5
Pennsylvania	44,358	58.8	58.1 - 59.6	21,366	59.8	58.7 - 60.9	22,992	57.5	56.6 - 58.5
Rhode Island	1,583	62.2	58.1 - 66.1	801	60.3	54.8 - 65.4	782	62.9	57.0 - 68.3
South Carolina	40,271	57.8	57.0 - 58.6	20,761	57.6	56.5 - 58.8	19,510	57.5	56.4 - 58.6
South Dakota	162	59.2	38.3 - 75.2	104	82.6	65.9 - 91.6 *	58	63.9	46.4 - 77.0 *
Tennessee	30,440	57.0	56.0 - 57.9	15,284	57.5	56.0 - 59.0	15,156	56.2	54.9 - 57.5
Texas	82,437	56.8	56.2 - 57.3	41,444	56.6	55.7 - 57.4	40,993	56.5	55.7 - 57.3
Utah	527	55.8	48.4 - 62.5	325	56.3	46.9 - 64.7	202	51.2	39.1 - 62.1
Vermont	100	47.9	29.1 - 64.5	63	-	-	37	78.3	57.8 - 89.6 *
Washington	6,569	63.1	61.0 - 65.1	3,673	62.0	59.2 - 64.7	2,896	63.6	60.5 - 66.5
WA - Seattle	6,208	63.6	61.5 - 65.7	3,460	63.5	60.5 - 66.3	2,748	63.2	60.0 - 66.2
West Virginia	2,091	58.0	54.7 - 61.2	1,199	56.0	51.1 - 60.5	892	58.9	53.9 - 63.6
Wisconsin	10,106	61.7	59.8 - 63.5	5,228	62.8	60.1 - 65.4	4,878	60.0	57.5 - 62.4
Wyoming	82	56.4	38.4 - 71.1 *	45	-	-	37	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, All Sites (CSI¹ - invasive)

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ²	95% CI ²	Count	RSR ²	95% CI ²	Count	RSR ²	95% CI ²
NAACCR U.S. Combined	1,111,731	59.0	58.8 - 59.2	563,379	58.8	58.5 - 59.1	548,352	59.2	59.0 - 59.4
Alabama	38,785	56.9	56.2 - 57.7	20,300	-		18,485	57.4	56.4 - 58.5
Alaska	508	-		282	-		226	-	
Arizona	6,115	-		3,166	-		2,949	-	
Arkansas	13,664	-		7,346	-		6,318	-	
California	73,407	58.5	57.8 - 59.1	37,485	58.5	57.6 - 59.5	35,922	58.4	57.5 - 59.3
CA - Greater California	29,061	-		15,422	-		13,639	53.6	52.2 - 55.0
CA - Greater Bay Area	15,517	-		8,098	-		7,419	59.1	57.6 - 60.7
CA - Los Angeles	28,815	57.5	56.7 - 58.3	13,949	-		14,866	57.3	56.3 - 58.4
Colorado	5,236	-		2,922	-		2,314	-	
Connecticut	10,977	-		5,443	-		5,534	-	
Delaware	6,605	-		3,385	-		3,220	-	
Florida	85,167	59.2	58.6 - 59.9	43,420	58.4	57.4 - 59.5	41,747	60.0	59.2 - 60.9
Georgia	87,665	57.2	56.6 - 57.8	44,524	56.6	55.8 - 57.4	43,141	57.8	56.9 - 58.6
Hawaii	609	-		409	-		200	-	
Idaho	168	-		107	-		61	-	
Illinois	61,247	58.9	58.2 - 59.6	29,803	58.4	57.5 - 59.3	31,444	59.4	58.4 - 60.5
Iowa	2,234	-		1,227	-		1,007	-	
Kansas	4,926	-		2,625	-		2,301	-	
Kentucky	11,038	-		5,551	-		5,487	-	
Louisiana	47,463	56.9	56.1 - 57.6	25,176	57.3	56.2 - 58.4	22,287	56.4	55.4 - 57.4
Maine	281	-		167	-		114	-	
Maryland	53,977	61.1	60.3 - 61.9	26,121	61.0	59.8 - 62.2	27,856	61.1	60.1 - 62.2
MI - Detroit	34,863	57.9	57.1 - 58.7	17,461	-		17,402	57.8	56.8 - 59.0
Minnesota	6,031	-		3,250	-		2,781	-	
Mississippi	34,321	-		18,320	55.9	54.6 - 57.1	16,001	-	
Missouri	21,800	-		10,583	-		11,217	-	
Montana	89	-		64	-		25	-	
Nebraska	2,328	-		1,284	-		1,044	-	
New Hampshire	309	-		200	-		109	-	
New Jersey	39,751	57.7	56.9 - 58.4	19,345	57.8	56.7 - 58.9	20,406	57.5	56.5 - 58.6
New Mexico	1,011	-		593	-		418	-	
New York	110,047	58.4	57.9 - 59.0	54,616	58.0	57.1 - 59.0	55,431	58.9	58.3 - 59.6
North Carolina	69,858	59.3	58.6 - 60.0	35,497	58.7	57.7 - 59.7	34,361	59.9	59.0 - 60.9
North Dakota	120	-		73	-		47	-	
Ohio	43,443	59.8	59.1 - 60.6	21,723	59.9	58.8 - 60.9	21,720	59.8	58.7 - 61.0
Oklahoma	8,108	-		4,291	-		3,817	-	
Oregon	2,123	-		1,245	-		878	-	
Pennsylvania	46,470	59.7	58.9 - 60.5	22,531	59.5	58.3 - 60.8	23,939	59.9	58.8 - 61.0
Rhode Island	1,641	-		838	-		803	-	
South Carolina	41,819	-		21,664	-		20,155	58.5	57.3 - 59.6
South Dakota	171	-		112	-		59	-	
Tennessee	31,503	57.4	56.5 - 58.3	15,909	-		15,594	57.8	56.6 - 59.1
Texas	85,494	58.0	57.3 - 58.6	43,230	57.4	56.4 - 58.4	42,264	58.6	57.8 - 59.4
Utah	540	-		334	-		206	-	
Vermont	105	-		66	-		39	-	
Washington	6,836	-		3,844	-		2,992	-	
WA - Seattle	6,462	-		3,621	-		2,841	-	
West Virginia	2,186	-		1,262	-		924	-	
Wisconsin	10,609	-		5,539	-		5,070	-	
Wyoming	83	-		46	-		37	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ If more than 30% of the site-specific age-standardized RSR estimates were not available for a jurisdiction, the "All Sites (CSI)" estimate was suppressed. See Technical Notes for the difference between age-standardized RSR and Standardized using a composite survival index (CSI).

² Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Oral Cavity & Pharynx**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	22,921	45.7	44.5 - 46.9	15,808	43.2	41.7 - 44.7	7,113	51.8	49.7 - 53.7
Alabama	823	44.8	38.9 - 50.6	570	37.7	30.9 - 44.5	253	55.4	45.0 - 64.7
Alaska	10	-	-	-	-	-	-	-	-
Arizona	85	48.0	31.5 - 62.7	64	38.1	25.9 - 50.1	21	-	-
Arkansas	324	27.0	20.9 - 33.3	221	22.2	15.4 - 29.8	103	35.6	20.6 - 50.8
California	1,479	52.5	47.9 - 56.9	1,033	53.0	47.0 - 58.6	446	51.4	44.3 - 58.1
CA - Greater California	571	59.0	51.3 - 65.8	398	60.9	51.0 - 69.4	173	53.6	42.5 - 63.6
CA - Greater Bay Area	310	56.0	45.5 - 65.3	228	55.3	44.5 - 64.8	82	58.9	43.4 - 71.6 *
CA - Los Angeles	598	43.1	36.4 - 49.6	406	40.6	31.9 - 49.2	192	47.6	37.3 - 57.3
Colorado	112	55.4	39.9 - 68.5 *	88	53.7	36.7 - 68.0 *	24	-	-
Connecticut	212	36.6	29.2 - 44.1	145	35.7	27.4 - 44.1	67	49.5	31.3 - 65.4 *
Delaware	105	34.1	25.7 - 42.7	72	45.7	32.3 - 58.2 *	33	-	-
Florida	1,750	44.8	40.3 - 49.1	1,207	40.4	35.0 - 45.7	543	52.7	45.3 - 59.5
Georgia	1,808	43.4	39.2 - 47.6	1,200	42.8	37.2 - 48.4	608	46.7	40.3 - 52.8
Hawaii	11	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,436	45.9	41.4 - 50.4	992	44.3	38.6 - 49.9	444	49.2	41.7 - 56.2
Iowa	45	-	-	31	-	-	14	-	-
Kansas	113	56.0	40.1 - 69.1	74	54.2	36.2 - 69.1 *	39	65.5	43.3 - 80.7 *
Kentucky	228	39.7	28.6 - 50.5	172	34.8	23.9 - 45.8	56	-	-
Louisiana	1,023	36.7	31.5 - 41.8	747	34.8	28.7 - 41.0	276	43.0	34.3 - 51.4
Maine	-	-	-	-	-	-	-	-	-
Maryland	987	46.0	40.3 - 51.5	660	43.7	36.9 - 50.3	327	57.8	50.0 - 64.8 *
MI - Detroit	798	38.4	32.8 - 43.9	544	33.9	26.9 - 41.1	254	43.7	34.6 - 52.5
Minnesota	145	53.8	40.9 - 65.1 *	96	44.7	29.9 - 58.4 *	49	-	-
Mississippi	801	39.0	31.5 - 46.4	571	34.7	25.7 - 43.9	230	46.9	33.4 - 59.3
Missouri	466	49.1	40.8 - 56.9	331	49.6	39.2 - 59.1	135	56.0	43.6 - 66.7 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	54	42.8	30.0 - 55.0	44	57.5	36.9 - 73.5 *	10	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	734	46.8	41.3 - 52.1	489	45.1	37.8 - 52.1	245	48.8	40.0 - 57.0
New Mexico	17	0.0	-	13	0.0	-	-	-	-
New York	1,966	47.3	43.5 - 51.0	1,272	44.3	39.6 - 48.9	694	52.1	45.6 - 58.1
North Carolina	1,568	43.4	38.6 - 48.1	1,111	37.2	31.1 - 43.3	457	54.9	46.9 - 62.2
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	876	50.3	43.8 - 56.5	603	51.9	44.1 - 59.2	273	47.8	39.4 - 55.7
Oklahoma	146	46.4	32.5 - 59.2	111	46.3	32.0 - 59.5 *	35	-	-
Oregon	41	-	-	28	-	-	13	-	-
Pennsylvania	1,003	50.4	45.5 - 55.1	674	47.4	41.6 - 53.0	329	56.1	47.5 - 63.9
Rhode Island	42	-	-	23	-	-	19	-	-
South Carolina	978	38.3	32.1 - 44.6	711	35.5	27.0 - 44.2	267	47.6	37.3 - 57.2
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	607	44.8	37.0 - 52.3	430	38.6	30.2 - 47.0	177	53.8	40.2 - 65.6
Texas	1,676	48.1	43.5 - 52.6	1,129	43.3	37.9 - 48.6	547	57.6	49.2 - 65.2
Utah	13	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	134	47.0	29.4 - 62.7	106	60.4	45.4 - 72.5 *	28	-	-
WA - Seattle	127	62.4	48.7 - 73.4 *	100	63.3	47.2 - 75.6 *	27	-	-
West Virginia	50	57.1	37.3 - 72.7 *	37	-	-	13	-	-
Wisconsin	225	48.9	40.0 - 57.2 *	159	39.6	29.3 - 49.8 *	66	72.8	56.6 - 83.8 *
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Esophagus

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	9,762	14.2	13.1 - 15.2	6,730	12.1	10.9 - 13.3	3,032	18.6	16.6 - 20.7
Alabama	436	9.2	5.7 - 13.6	324	6.1	3.1 - 10.4	112	18.6	10.4 - 28.7 *
Alaska	-	-	-	-	-	-	-	-	-
Arizona	45	8.6	1.6 - 23.3 *	29	11.9	2.1 - 30.8 *	16	0.0	-
Arkansas	129	10.0	4.7 - 17.7 *	93	4.3	1.7 - 8.7	36	-	-
California	501	15.8	11.7 - 20.5	335	13.4	8.5 - 19.5 *	166	21.9	15.2 - 29.4
CA - Greater California	177	14.4	7.4 - 23.5 *	122	11.6	3.9 - 24.0 *	55	18.8	7.5 - 34.0 *
CA - Greater Bay Area	124	18.9	11.0 - 28.4 *	84	15.1	7.2 - 25.7 *	40	26.9	10.8 - 46.1 *
CA - Los Angeles	200	13.7	8.2 - 20.5 *	129	13.0	6.5 - 21.7 *	71	14.7	6.4 - 26.3 *
Colorado	33	-	-	23	-	-	10	-	-
Connecticut	103	-	-	75	-	-	28	-	-
Delaware	39	9.2	1.9 - 23.8 *	29	13.2	2.6 - 32.4 *	10	0.0	-
Florida	658	17.3	13.4 - 21.6	443	9.8	6.5 - 13.8	215	29.6	21.8 - 37.8 *
Georgia	848	14.1	11.1 - 17.4 *	620	14.0	10.5 - 18.0 *	228	13.8	8.3 - 20.6 *
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	598	11.9	8.6 - 15.9	397	12.8	8.5 - 18.1 *	201	12.0	6.2 - 19.8
Iowa	12	-	-	-	-	-	-	-	-
Kansas	45	12.7	3.9 - 26.7 *	33	12.6	2.8 - 30.0 *	12	-	-
Kentucky	93	7.4	0.8 - 24.4 *	58	-	-	35	9.5	0.8 - 31.2 *
Louisiana	468	14.5	10.0 - 19.7	335	9.1	5.1 - 14.7 *	133	23.9	16.0 - 32.7 *
Maine	-	-	-	-	-	-	-	-	-
Maryland	378	17.1	12.5 - 22.3	254	15.0	10.2 - 20.6	124	22.5	14.0 - 32.2
MI - Detroit	328	9.2	5.3 - 14.4 *	226	8.6	4.1 - 15.2 *	102	6.7	2.4 - 14.1
Minnesota	64	26.4	11.9 - 43.3 *	29	-	-	35	-	-
Mississippi	407	10.2	6.6 - 14.6	316	10.4	6.3 - 15.6	91	13.5	5.5 - 24.9 *
Missouri	192	14.2	7.0 - 23.7 *	125	18.5	10.8 - 27.7 *	67	0.0	-
Montana	-	-	-	-	-	-	-	-	-
Nebraska	16	-	-	10	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	319	12.7	8.2 - 18.3	197	13.2	7.4 - 20.8 *	122	15.9	8.2 - 25.9 *
New Mexico	-	-	-	-	-	-	-	-	-
New York	922	13.4	10.6 - 16.6	614	10.4	7.5 - 13.9	308	19.5	14.0 - 25.7
North Carolina	620	16.0	12.3 - 20.1 *	437	15.1	10.9 - 19.9 *	183	18.0	11.3 - 25.9 *
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	337	17.2	12.0 - 23.2 *	222	14.3	8.2 - 22.1	115	20.0	11.5 - 30.3 *
Oklahoma	62	15.8	6.1 - 29.6 *	38	9.0	1.7 - 23.9 *	24	-	-
Oregon	16	-	-	11	-	-	-	-	-
Pennsylvania	455	18.8	14.2 - 24.0 *	287	16.5	11.2 - 22.6 *	168	23.0	14.9 - 32.1 *
Rhode Island	16	-	-	11	0.0	-	-	-	-
South Carolina	502	9.6	6.3 - 13.9 *	379	9.1	5.4 - 13.9 *	123	12.0	6.0 - 20.3 *
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	286	10.4	6.7 - 15.0	206	11.2	7.0 - 16.6	80	13.1	5.0 - 25.2 *
Texas	605	16.4	12.1 - 21.1	415	14.4	9.8 - 19.9 *	190	17.0	10.5 - 24.7
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	56	29.8	15.5 - 45.6 *	39	28.2	12.8 - 45.8 *	17	-	-
WA - Seattle	51	27.2	12.4 - 44.4 *	36	27.1	11.2 - 46.0 *	15	-	-
West Virginia	16	-	-	11	-	-	-	-	-
Wisconsin	124	13.6	6.6 - 23.0 *	77	12.3	5.2 - 22.4 *	47	18.5	6.5 - 35.2 *
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Stomach**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	23,424	34.9	34.0 - 35.8	13,318	29.5	28.4 - 30.7	10,106	42.2	40.8 - 43.6
Alabama	871	34.7	30.5 - 39.0	488	27.0	21.5 - 32.9	383	43.4	37.0 - 49.6
Alaska	10	-	-	-	-	-	-	-	-
Arizona	119	40.5	29.0 - 51.7 *	74	34.3	20.4 - 48.6 *	45	50.5	32.5 - 65.9 *
Arkansas	278	24.4	16.8 - 32.9 *	177	13.9	8.4 - 20.8	101	33.7	19.3 - 48.8 *
California	1,512	31.2	27.9 - 34.7	867	25.9	21.6 - 30.4	645	38.0	32.9 - 43.0
CA - Greater California	541	24.1	18.6 - 30.1	316	19.9	13.7 - 26.9	225	31.0	22.1 - 40.3
CA - Greater Bay Area	348	37.4	30.7 - 44.2	193	29.9	21.5 - 38.7	155	47.2	36.9 - 56.8
CA - Los Angeles	622	30.8	25.8 - 36.0	357	27.3	21.0 - 34.1	265	35.4	27.7 - 43.2 *
Colorado	102	48.2	37.1 - 58.5	74	44.0	31.4 - 55.9	28	-	-
Connecticut	292	26.9	20.0 - 34.3	159	19.3	13.1 - 26.5	133	33.5	22.9 - 44.4
Delaware	115	34.4	22.9 - 46.1 *	68	26.3	14.0 - 40.3 *	47	-	-
Florida	1,913	37.1	34.0 - 40.1	1,115	31.4	27.6 - 35.2	798	43.9	39.4 - 48.3
Georgia	1,668	33.1	29.9 - 36.4	961	26.3	22.2 - 30.7	707	42.5	37.5 - 47.4
Hawaii	14	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,362	31.9	28.2 - 35.7	741	25.2	20.5 - 30.1	621	40.5	35.1 - 45.9
Iowa	35	22.1	7.8 - 41.0 *	18	-	-	17	-	-
Kansas	77	31.4	16.6 - 47.3 *	45	-	-	32	-	-
Kentucky	195	42.7	32.0 - 53.1	106	35.2	23.7 - 46.9	89	50.4	36.4 - 62.9
Louisiana	1,052	26.2	22.1 - 30.5	640	23.0	18.0 - 28.4	412	28.4	21.3 - 35.7
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,027	43.3	39.2 - 47.4	521	35.2	29.7 - 40.8	506	50.8	44.9 - 56.3
MI - Detroit	686	27.7	23.1 - 32.6	377	23.8	17.3 - 30.8	309	32.7	26.0 - 39.5
Minnesota	126	28.2	15.9 - 41.9 *	81	30.4	13.0 - 50.0 *	45	25.5	11.0 - 43.0 *
Mississippi	725	29.4	24.7 - 34.2	422	19.5	14.1 - 25.5	303	40.0	33.1 - 46.9 *
Missouri	407	36.3	29.7 - 42.9	242	29.5	21.6 - 37.8	165	43.9	32.2 - 54.9 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	39	41.7	23.8 - 58.7 *	27	-	-	12	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	847	34.5	30.1 - 38.9	436	27.3	22.0 - 33.0	411	41.9	35.1 - 48.6
New Mexico	21	-	-	12	-	-	-	-	-
New York	2,664	37.7	35.1 - 40.3	1,429	34.4	30.9 - 37.8	1,235	40.8	36.9 - 44.7
North Carolina	1,434	37.3	33.6 - 41.0	793	32.1	26.9 - 37.4	641	44.3	39.1 - 49.4
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	929	36.7	32.3 - 41.2	536	31.0	25.4 - 36.8	393	42.5	35.8 - 49.1
Oklahoma	158	28.1	17.6 - 39.4	101	13.1	5.8 - 23.3	57	58.8	42.2 - 72.2 *
Oregon	44	41.0	24.5 - 56.7 *	30	20.9	6.8 - 40.2 *	14	-	-
Pennsylvania	844	31.3	26.6 - 36.0	472	25.1	19.7 - 30.8	372	39.2	31.9 - 46.4
Rhode Island	44	59.0	37.2 - 75.4 *	24	-	-	20	-	-
South Carolina	989	33.1	28.9 - 37.3	590	27.7	22.7 - 32.9	399	40.9	34.3 - 47.3
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	584	36.8	31.2 - 42.4	335	32.2	25.2 - 39.4	249	42.1	33.8 - 50.1
Texas	1,794	34.5	31.3 - 37.8	1,067	31.1	27.0 - 35.2	727	39.3	34.2 - 44.3
Utah	14	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	130	35.6	24.8 - 46.5	83	31.8	20.9 - 43.2	47	-	-
WA - Seattle	129	32.8	20.0 - 46.1 *	80	24.0	10.6 - 40.4 *	49	49.9	30.5 - 66.6 *
West Virginia	42	45.4	25.9 - 63.1 *	24	-	-	18	-	-
Wisconsin	229	36.6	28.5 - 44.7	143	32.2	22.9 - 41.8	86	45.0	32.7 - 56.6 *
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Colon & Rectum**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	106,469	56.9	56.4 - 57.4	53,328	55.1	54.3 - 55.8	53,141	58.8	58.2 - 59.5
Alabama	4,179	56.9	54.5 - 59.3	2,061	53.2	49.2 - 57.0	2,118	60.5	57.3 - 63.6
Alaska	42	73.4	51.1 - 86.7 *	25	-		17	-	
Arizona	542	50.3	43.8 - 56.4	265	47.9	38.7 - 56.6	277	52.0	43.1 - 60.1
Arkansas	1,417	52.5	48.3 - 56.5	714	51.5	45.5 - 57.2	703	53.0	47.2 - 58.4
California	6,990	56.9	55.1 - 58.7	3,507	56.0	53.3 - 58.6	3,483	58.2	55.7 - 60.6
CA - Greater California	2,754	57.2	54.2 - 60.1	1,456	55.1	50.9 - 59.1	1,298	59.4	55.2 - 63.3
CA - Greater Bay Area	1,435	58.4	54.5 - 62.1	695	60.2	54.5 - 65.4	740	56.1	50.8 - 61.1
CA - Los Angeles	2,801	55.3	52.4 - 58.1	1,356	53.2	48.9 - 57.4	1,445	57.3	53.4 - 61.1
Colorado	502	61.3	54.1 - 67.8	285	56.8	46.6 - 65.7	217	67.0	56.7 - 75.4
Connecticut	978	60.8	56.2 - 65.1	489	60.9	54.2 - 66.9	489	59.9	53.3 - 65.9
Delaware	555	60.5	53.1 - 67.0	278	59.1	47.5 - 69.0	277	61.4	52.6 - 69.1
Florida	7,869	57.2	55.4 - 58.9	4,037	55.1	52.6 - 57.6	3,832	59.5	57.1 - 61.8
Georgia	8,697	55.4	53.7 - 57.1	4,351	53.0	50.4 - 55.5	4,346	57.3	54.8 - 59.6
Hawaii	51	74.3	54.5 - 86.5 *	39	70.5	47.1 - 85.0 *	12	-	
Idaho	14	-		-	-		-	-	
Illinois	6,403	57.2	55.2 - 59.1	3,108	55.0	52.1 - 57.9	3,295	58.8	56.2 - 61.4
Iowa	213	53.7	43.2 - 63.1 *	120	53.8	40.1 - 65.7 *	93	51.7	35.3 - 65.9 *
Kansas	437	64.6	56.2 - 71.8	236	68.0	54.9 - 78.0	201	59.4	47.8 - 69.2
Kentucky	1,130	55.5	50.7 - 60.1	568	55.9	49.1 - 62.1	562	54.1	47.2 - 60.5
Louisiana	5,110	57.1	54.7 - 59.4	2,628	54.5	50.9 - 58.0	2,482	59.6	56.4 - 62.7
Maine	22	-		14	-		-	-	
Maryland	4,672	58.8	56.4 - 61.1	2,225	58.5	55.0 - 61.8	2,447	58.4	55.0 - 61.6
MI - Detroit	3,354	54.0	51.2 - 56.6	1,657	50.5	46.4 - 54.4	1,697	56.7	53.0 - 60.3
Minnesota	524	59.2	51.7 - 66.0	280	61.7	49.1 - 72.0	244	57.3	47.7 - 65.8
Mississippi	4,025	55.2	52.7 - 57.7	2,079	53.0	49.0 - 56.8	1,946	57.5	54.1 - 60.7
Missouri	2,049	56.6	52.9 - 60.1	976	56.0	50.6 - 61.1	1,073	56.5	51.5 - 61.1
Montana	-	-		-	-		-	-	
Nebraska	230	59.9	50.2 - 68.4	130	56.0	44.4 - 66.0	100	64.0	47.2 - 76.7
New Hampshire	28	-		18	-		10	-	
New Jersey	3,766	55.7	53.2 - 58.2	1,764	50.5	46.5 - 54.3	2,002	60.1	56.7 - 63.3
New Mexico	83	55.7	39.3 - 69.2 *	44	-		39	-	
New York	9,586	57.4	55.9 - 58.9	4,677	55.5	53.2 - 57.9	4,909	59.0	56.9 - 61.0
North Carolina	6,211	56.5	54.4 - 58.5	3,129	54.5	51.3 - 57.5	3,082	57.6	54.9 - 60.3
North Dakota	-	-		-	-		-	-	
Ohio	3,862	58.0	55.5 - 60.5	1,905	55.3	51.4 - 59.0	1,957	60.1	56.7 - 63.3
Oklahoma	803	52.2	46.3 - 57.8	411	50.1	41.6 - 58.0	392	54.3	46.5 - 61.5
Oregon	166	54.9	45.0 - 63.8	99	42.4	32.6 - 51.9	67	68.5	56.2 - 78.0
Pennsylvania	4,068	58.6	56.1 - 61.0	1,970	57.0	53.3 - 60.6	2,098	59.4	56.0 - 62.5
Rhode Island	125	60.3	47.0 - 71.2	61	52.3	34.8 - 67.2 *	64	70.4	48.9 - 84.2
South Carolina	3,919	56.6	53.8 - 59.2	2,003	54.1	50.2 - 58.0	1,916	58.6	54.9 - 62.1
South Dakota	14	-		12	-		-	-	
Tennessee	3,111	54.8	51.9 - 57.6	1,541	53.9	49.0 - 58.5	1,570	56.0	52.2 - 59.6
Texas	8,877	55.9	54.0 - 57.6	4,596	53.2	50.5 - 55.9	4,281	58.4	55.9 - 60.9
Utah	55	33.6	18.1 - 49.9 *	36	-		19	-	
Vermont	-	-		-	-		-	-	
Washington	574	59.7	52.2 - 66.3	324	56.5	46.1 - 65.6	250	62.3	51.3 - 71.6
WA - Seattle	542	59.4	51.7 - 66.2	306	58.1	47.2 - 67.5	236	60.4	49.4 - 69.7
West Virginia	214	52.3	42.8 - 61.0	118	44.4	32.4 - 55.6	96	59.6	44.0 - 72.1
Wisconsin	970	63.0	57.7 - 67.9	512	61.2	53.8 - 67.7	458	64.2	56.7 - 70.7
Wyoming	10	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Liver & Intrahepatic Bile Duct**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	28,054	17.2	16.3 - 18.0	20,534	15.7	14.7 - 16.8	7,520	20.5	19.1 - 22.0
Alabama	724	11.0	7.5 - 15.2 *	537	10.0	6.4 - 14.6 *	187	15.8	8.9 - 24.5 *
Alaska	13	-	-	10	-	-	-	-	-
Arizona	157	14.5	7.6 - 23.6	120	15.7	6.7 - 28.2	37	18.9	6.4 - 36.3 *
Arkansas	250	22.7	15.5 - 30.8 *	192	22.5	14.4 - 31.7 *	58	23.4	9.4 - 41.0 *
California	2,093	17.0	14.2 - 19.9	1,516	16.7	13.1 - 20.7	577	17.5	13.3 - 22.1
CA - Greater California	835	16.1	11.7 - 21.0	619	15.2	10.0 - 21.3	216	19.2	12.1 - 27.5
CA - Greater Bay Area	541	20.8	15.9 - 26.3 *	413	22.4	16.5 - 28.8 *	128	16.2	8.2 - 26.5 *
CA - Los Angeles	719	16.5	12.6 - 21.0	484	19.0	14.2 - 24.4 *	235	16.3	10.7 - 22.9
Colorado	176	29.3	20.9 - 38.1 *	132	24.4	15.2 - 34.9 *	44	41.7	24.1 - 58.4 *
Connecticut	265	18.9	12.0 - 27.1 *	186	19.8	11.8 - 29.3 *	79	16.5	4.8 - 34.5 *
Delaware	186	23.0	15.3 - 31.6 *	135	17.5	9.4 - 27.6 *	51	35.6	20.4 - 51.1 *
Florida	1,789	18.3	15.3 - 21.4	1,262	16.1	12.5 - 20.2	527	22.0	17.2 - 27.1
Georgia	1,743	15.4	12.7 - 18.4	1,254	16.2	12.1 - 20.7	489	21.5	16.8 - 26.6 *
Hawaii	17	-	-	17	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,248	17.5	13.8 - 21.6	901	13.5	10.6 - 16.7	347	24.6	18.3 - 31.4 *
Iowa	87	26.1	13.8 - 40.3 *	70	23.9	10.2 - 40.7 *	17	-	-
Kansas	152	21.5	12.8 - 31.6 *	102	27.8	17.4 - 39.1 *	50	8.4	0.9 - 27.8 *
Kentucky	279	13.7	8.6 - 20.0 *	206	7.8	4.3 - 12.8	73	16.2	6.3 - 30.1 *
Louisiana	1,308	10.3	7.8 - 13.2	1,056	13.6	10.7 - 16.9 *	252	12.8	7.7 - 19.1
Maine	15	-	-	14	-	-	-	-	-
Maryland	1,402	20.1	16.6 - 23.8	1,028	18.2	14.0 - 22.8	374	23.6	17.6 - 30.2
MI - Detroit	969	15.3	11.3 - 19.9	690	11.6	8.2 - 15.6	279	14.0	9.3 - 19.6
Minnesota	288	33.3	24.9 - 42.0	210	32.8	25.1 - 40.7 *	78	43.2	28.9 - 56.8
Mississippi	541	11.9	8.1 - 16.4	385	13.4	8.4 - 19.4 *	156	17.1	9.3 - 27.0 *
Missouri	655	15.6	11.5 - 20.3 *	475	11.5	8.1 - 15.6	180	16.2	7.8 - 27.3 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	70	20.5	9.9 - 33.8 *	54	23.2	11.1 - 37.9 *	16	-	-
New Hampshire	10	-	-	10	-	-	-	-	-
New Jersey	816	17.1	13.0 - 21.7	585	15.0	10.5 - 20.1	231	23.2	16.1 - 31.1 *
New Mexico	30	30.2	12.8 - 49.7 *	20	-	-	10	-	-
New York	2,895	18.3	16.1 - 20.5	2,051	15.8	13.2 - 18.6	844	23.3	19.5 - 27.3
North Carolina	1,514	14.2	10.9 - 17.9	1,088	11.4	7.8 - 15.8	426	19.7	14.4 - 25.6 *
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,137	19.1	15.2 - 23.3	816	22.1	16.9 - 27.8	321	15.9	10.4 - 22.3
Oklahoma	185	14.2	8.3 - 21.6 *	130	11.5	5.5 - 19.8 *	55	21.4	9.3 - 36.8 *
Oregon	97	25.1	13.5 - 38.5 *	79	18.1	6.6 - 34.2 *	18	-	-
Pennsylvania	1,679	21.2	17.6 - 24.9	1,273	21.6	18.3 - 25.1 *	406	25.0	19.0 - 31.5
Rhode Island	45	18.5	6.1 - 36.3 *	31	23.7	7.9 - 44.3 *	14	-	-
South Carolina	791	15.5	12.0 - 19.4 *	591	14.4	10.5 - 19.1 *	200	14.1	8.8 - 20.7
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	760	15.0	11.4 - 19.1 *	536	10.7	7.1 - 15.3 *	224	25.3	17.4 - 34.1 *
Texas	2,911	16.5	13.7 - 19.6	2,181	15.7	11.9 - 20.0	730	17.0	12.6 - 22.0
Utah	23	0.0	-	20	0.0	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	287	23.5	15.2 - 32.9 *	219	21.0	12.5 - 31.1 *	68	-	-
WA - Seattle	272	18.1	10.3 - 27.6 *	206	16.0	7.9 - 26.7 *	66	27.0	11.6 - 45.2 *
West Virginia	74	8.9	2.7 - 19.8 *	59	9.4	2.7 - 21.1 *	15	-	-
Wisconsin	344	24.4	17.5 - 32.0	271	23.2	15.6 - 31.6 *	73	22.6	12.3 - 34.7 *
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Pancreas**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	35,744	11.8	11.3 - 12.3	16,640	9.9	9.2 - 10.6	19,104	13.6	12.9 - 14.3
Alabama	1,269	11.3	9.0 - 13.9	577	7.6	4.8 - 11.2 *	692	14.3	11.2 - 17.8
Alaska	15	-	-	-	-	-	-	-	-
Arizona	237	9.3	5.2 - 15.0 *	120	7.8	2.2 - 18.2 *	117	9.8	4.6 - 17.4 *
Arkansas	429	7.5	4.8 - 10.9	197	5.5	2.7 - 9.5	232	8.8	5.0 - 13.9
California	2,461	11.8	10.0 - 13.8	1,204	8.8	6.7 - 11.3	1,257	13.5	10.9 - 16.3
CA - Greater California	941	11.6	8.7 - 15.1	496	9.6	5.8 - 14.4 *	445	13.3	9.4 - 17.9
CA - Greater Bay Area	555	11.5	8.0 - 15.6	270	6.8	3.3 - 12.0 *	285	16.2	10.6 - 22.8
CA - Los Angeles	962	10.7	8.1 - 13.6	435	10.7	7.3 - 14.8	527	10.1	6.8 - 14.0
Colorado	158	13.3	7.0 - 21.5 *	87	13.2	6.4 - 22.5 *	71	12.6	3.6 - 27.5 *
Connecticut	360	12.2	8.1 - 17.1	166	15.1	8.8 - 23.0 *	194	7.6	3.3 - 14.3 *
Delaware	211	-	-	94	0.0	-	117	-	-
Florida	2,610	15.0	13.2 - 16.9	1,204	14.8	12.2 - 17.5	1,406	15.4	13.0 - 18.0
Georgia	2,680	11.1	9.3 - 13.0	1,234	10.0	7.7 - 12.7 *	1,446	12.6	10.3 - 15.2
Hawaii	17	-	-	12	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,957	13.5	11.5 - 15.6	899	12.1	9.3 - 15.2	1,058	15.0	12.2 - 18.0
Iowa	74	-	-	37	-	-	37	0.0	-
Kansas	152	0.0	-	76	0.0	-	76	0.0	-
Kentucky	344	13.2	8.8 - 18.4 *	162	11.4	6.0 - 18.6 *	182	14.6	8.3 - 22.5 *
Louisiana	1,451	7.4	5.6 - 9.5	696	6.5	4.3 - 9.1	755	8.7	6.1 - 11.9
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,737	14.3	12.1 - 16.7	795	10.7	8.0 - 13.9	942	17.0	13.8 - 20.5
MI - Detroit	1,250	8.5	6.3 - 10.9	565	9.5	6.5 - 13.1	685	7.8	5.2 - 11.1
Minnesota	182	5.4	1.4 - 13.5 *	94	8.5	2.1 - 20.7 *	88	-	-
Mississippi	1,103	10.1	7.8 - 12.6	538	8.5	5.5 - 12.3	565	10.5	7.4 - 14.2 *
Missouri	802	8.2	5.6 - 11.5 *	394	9.8	5.9 - 14.9 *	408	7.3	4.1 - 11.7 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	82	17.4	8.9 - 28.3 *	41	18.5	6.8 - 34.6 *	41	15.6	5.4 - 30.7 *
New Hampshire	12	0.0	-	-	-	-	-	-	-
New Jersey	1,291	11.4	8.9 - 14.4	572	6.2	3.1 - 10.7	719	14.5	11.2 - 18.1
New Mexico	34	0.0	-	20	0.0	-	14	0.0	-
New York	3,549	11.2	9.8 - 12.8	1,575	7.3	5.4 - 9.5	1,974	14.6	12.6 - 16.7
North Carolina	2,270	11.1	9.3 - 13.1	1,049	8.2	5.9 - 10.8 *	1,221	13.8	11.3 - 16.5
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,349	9.5	7.2 - 12.2	621	6.1	3.6 - 9.4 *	728	13.1	10.3 - 16.3
Oklahoma	243	10.6	6.4 - 16.0 *	120	8.8	3.9 - 16.3 *	123	12.0	6.0 - 20.2 *
Oregon	72	12.2	4.3 - 24.6 *	40	-	-	32	10.1	1.9 - 26.8 *
Pennsylvania	1,499	12.1	10.0 - 14.4	666	8.4	5.3 - 12.2	833	14.0	11.2 - 17.2
Rhode Island	55	16.0	6.8 - 28.8 *	34	-	-	21	-	-
South Carolina	1,451	10.8	8.7 - 13.3	679	8.8	6.1 - 12.1	772	11.2	8.4 - 14.5 *
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	974	11.4	8.5 - 14.8	451	10.9	6.7 - 16.2	523	11.1	6.9 - 16.4
Texas	2,704	14.3	12.7 - 16.1	1,258	12.0	9.8 - 14.5	1,446	16.0	13.6 - 18.5
Utah	11	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	212	17.7	11.5 - 24.9 *	127	23.7	15.4 - 33.0 *	85	10.1	3.7 - 20.3 *
WA - Seattle	198	16.5	10.1 - 24.2 *	116	21.6	13.1 - 31.5 *	82	11.4	4.3 - 22.3 *
West Virginia	67	6.4	1.5 - 16.7 *	36	-	-	31	3.7	0.3 - 16.0 *
Wisconsin	340	12.8	8.8 - 17.7 *	164	11.6	6.3 - 18.7 *	176	13.9	8.3 - 20.8 *
Wyoming	-	-	-	-	-	-	-	-	-

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¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Larynx**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	11,142	50.7	48.9 - 52.4	8,852	51.2	49.2 - 53.1	2,290	48.7	45.0 - 52.3
Alabama	437	52.9	44.7 - 60.4	380	54.4	46.7 - 61.5 *	57	60.2	41.0 - 75.0
Alaska	-	-	-	-	-	-	-	-	-
Arizona	48	-	-	39	-	-	-	-	-
Arkansas	165	50.4	38.4 - 61.3 *	133	49.7	34.1 - 63.5	32	-	-
California	508	51.8	43.8 - 59.1	413	52.9	44.5 - 60.5	95	47.4	32.0 - 61.4 *
CA - Greater California	184	55.2	41.7 - 66.8	155	56.1	42.6 - 67.5 *	29	-	-
CA - Greater Bay Area	134	43.4	29.5 - 56.4 *	108	46.1	31.0 - 59.9 *	26	-	-
CA - Los Angeles	190	53.8	42.8 - 63.5 *	150	54.4	41.8 - 65.4 *	40	-	-
Colorado	40	-	-	31	-	-	-	-	-
Connecticut	108	43.0	25.8 - 59.2 *	86	-	-	22	-	-
Delaware	50	37.8	21.8 - 53.7 *	37	26.8	11.6 - 44.8 *	13	-	-
Florida	707	50.6	43.3 - 57.4	602	51.1	43.3 - 58.3	105	39.6	24.0 - 54.9 *
Georgia	893	48.1	40.8 - 55.0	743	48.9	41.5 - 55.9	150	43.0	25.6 - 59.3
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	684	53.2	46.4 - 59.6	515	56.0	48.2 - 63.1	169	46.9	35.9 - 57.1 *
Iowa	25	-	-	23	-	-	-	-	-
Kansas	47	-	-	39	-	-	-	-	-
Kentucky	146	54.9	42.7 - 65.5 *	107	59.6	46.0 - 70.8 *	39	-	-
Louisiana	653	51.4	43.7 - 58.6	526	51.4	42.7 - 59.4	127	47.7	33.0 - 61.1
Maine	-	-	-	-	-	-	-	-	-
Maryland	417	55.6	47.8 - 62.7	333	53.7	45.3 - 61.4	84	57.2	40.9 - 70.6
MI - Detroit	387	49.0	40.3 - 57.1	288	50.7	42.2 - 58.6	99	47.2	33.8 - 59.5
Minnesota	71	67.3	48.4 - 80.6 *	50	70.1	46.1 - 84.9 *	21	-	-
Mississippi	485	43.7	34.4 - 52.6	407	42.5	32.8 - 51.9	78	51.8	36.7 - 65.0 *
Missouri	255	55.0	45.1 - 63.8 *	193	56.4	44.8 - 66.5 *	62	49.9	30.5 - 66.6 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	27	-	-	22	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	306	47.9	38.2 - 57.0	226	48.3	37.4 - 58.4	80	42.4	24.6 - 59.1 *
New Mexico	-	-	-	-	-	-	-	-	-
New York	852	45.9	40.7 - 51.0	644	44.7	38.7 - 50.6	208	49.9	39.6 - 59.3
North Carolina	812	52.7	46.0 - 58.9	645	52.0	44.0 - 59.5	167	54.9	45.1 - 63.7
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	486	53.9	44.9 - 62.1	364	56.6	47.9 - 64.3 *	122	53.6	39.4 - 65.9
Oklahoma	82	49.9	34.6 - 63.3 *	65	51.0	33.6 - 66.0 *	17	-	-
Oregon	16	-	-	15	-	-	-	-	-
Pennsylvania	441	59.0	51.6 - 65.7	327	60.4	51.5 - 68.2	114	50.4	37.6 - 61.8
Rhode Island	11	-	-	10	-	-	-	-	-
South Carolina	569	43.1	34.9 - 50.9	485	43.2	34.4 - 51.7	84	43.3	26.1 - 59.4 *
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	357	47.3	39.6 - 54.7 *	271	49.2	40.7 - 57.2 *	86	24.4	11.5 - 39.9
Texas	829	48.9	43.6 - 53.9 *	661	49.3	43.4 - 54.9 *	168	46.6	35.5 - 57.0 *
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	68	51.8	31.9 - 68.4 *	52	-	-	16	-	-
WA - Seattle	63	-	-	48	-	-	15	-	-
West Virginia	21	-	-	13	-	-	-	-	-
Wisconsin	110	47.4	33.6 - 60.0	84	53.7	38.8 - 66.6 *	26	-	-
Wyoming	-	-	-	-	-	-	-	-	-

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* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Lung & Bronchus**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	141,002	20.7	20.4 - 21.1	77,476	17.2	16.7 - 17.6	63,526	25.0	24.5 - 25.5
Alabama	4,972	15.7	14.0 - 17.5	3,138	14.1	11.9 - 16.4	1,834	18.2	15.4 - 21.1
Alaska	54	-	-	31	-	-	23	-	-
Arizona	764	23.9	19.5 - 28.7	419	17.0	11.7 - 23.3	345	31.0	24.7 - 37.6 *
Arkansas	2,068	15.8	13.3 - 18.5	1,283	13.6	10.7 - 16.9	785	21.1	16.9 - 25.5 *
California	8,721	20.2	18.8 - 21.5	4,521	17.2	15.4 - 19.1	4,200	23.2	21.3 - 25.2
CA - Greater California	3,308	20.3	18.2 - 22.4	1,765	15.5	12.8 - 18.4	1,543	25.3	22.1 - 28.6
CA - Greater Bay Area	1,922	23.1	20.1 - 26.2	1,016	21.4	17.5 - 25.5	906	23.5	19.7 - 27.5
CA - Los Angeles	3,488	18.0	16.1 - 20.0	1,737	15.7	13.1 - 18.6	1,751	19.8	17.1 - 22.7
Colorado	542	23.3	18.1 - 28.8	293	19.6	13.2 - 26.9	249	25.3	17.8 - 33.4 *
Connecticut	1,282	25.6	22.1 - 29.3 *	668	20.2	15.8 - 24.9 *	614	31.5	26.0 - 37.0 *
Delaware	826	23.6	19.5 - 27.9	409	22.7	17.4 - 28.4	417	25.0	19.1 - 31.3
Florida	8,907	21.7	20.4 - 23.0	5,124	16.7	15.2 - 18.4	3,783	27.9	25.7 - 30.0
Georgia	10,083	18.7	17.4 - 19.9	5,888	15.4	13.8 - 17.0	4,195	23.2	21.2 - 25.1
Hawaii	50	23.4	11.3 - 38.0 *	30	26.9	12.2 - 44.1 *	20	-	-
Idaho	16	-	-	13	-	-	-	-	-
Illinois	9,096	21.3	20.0 - 22.6	4,633	17.9	16.1 - 19.7	4,463	24.8	22.9 - 26.8
Iowa	314	20.2	13.3 - 28.1	181	16.0	9.2 - 24.7 *	133	23.9	15.3 - 33.6 *
Kansas	718	26.1	21.0 - 31.5	410	20.2	14.9 - 26.2	308	28.3	21.4 - 35.7
Kentucky	1,797	21.3	18.4 - 24.2	932	17.2	13.6 - 21.2	865	25.2	21.1 - 29.5
Louisiana	6,518	16.6	15.2 - 18.1	3,986	13.7	12.0 - 15.6	2,532	20.9	18.5 - 23.4
Maine	29	-	-	18	-	-	11	-	-
Maryland	6,093	25.1	23.3 - 26.9	2,929	19.4	17.2 - 21.8	3,164	30.4	27.8 - 33.0
MI - Detroit	4,998	20.9	19.2 - 22.7	2,542	18.4	16.0 - 20.9	2,456	23.1	20.6 - 25.6
Minnesota	709	26.5	21.7 - 31.5	385	20.6	15.7 - 26.0	324	34.6	26.4 - 42.8
Mississippi	4,949	16.4	14.7 - 18.1	3,127	13.3	11.4 - 15.5	1,822	21.3	18.6 - 24.2
Missouri	3,433	19.5	17.4 - 21.8	1,810	16.1	13.5 - 19.0	1,623	24.1	20.5 - 27.8
Montana	12	-	-	-	-	-	-	-	-
Nebraska	314	22.0	16.5 - 28.1	162	16.2	10.1 - 23.4	152	28.9	19.7 - 38.8 *
New Hampshire	29	0.0	-	21	0.0	-	-	-	-
New Jersey	4,342	20.0	18.1 - 21.9	2,128	16.0	13.6 - 18.5	2,214	23.8	21.0 - 26.7
New Mexico	124	28.4	18.4 - 39.1 *	75	26.3	14.2 - 40.1 *	49	31.3	15.7 - 48.3 *
New York	11,376	21.8	20.6 - 23.0	5,824	17.7	16.1 - 19.3	5,552	26.1	24.4 - 27.9
North Carolina	9,285	21.8	20.4 - 23.2	5,383	19.1	17.2 - 21.0	3,902	25.5	23.5 - 27.6
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	6,680	21.7	20.1 - 23.3	3,458	18.1	16.0 - 20.2	3,222	25.4	23.1 - 27.8
Oklahoma	1,160	16.0	12.9 - 19.4	659	17.3	13.4 - 21.7	501	15.1	11.1 - 19.5 *
Oregon	284	19.5	11.9 - 28.5	170	21.5	13.3 - 31.0	114	20.3	12.2 - 29.9
Pennsylvania	6,765	24.2	22.6 - 25.8	3,220	19.0	16.8 - 21.2	3,545	28.8	26.5 - 31.1
Rhode Island	220	31.1	22.9 - 39.8 *	120	28.4	17.9 - 39.9 *	100	33.0	20.4 - 46.2 *
South Carolina	5,441	19.2	17.4 - 21.0	3,302	15.8	13.9 - 17.8 *	2,139	24.9	22.0 - 27.9
South Dakota	17	-	-	12	-	-	-	-	-
Tennessee	4,433	18.5	16.7 - 20.4	2,510	14.7	12.6 - 17.0	1,923	23.4	20.5 - 26.4
Texas	10,847	19.8	18.7 - 21.1	6,113	17.1	15.6 - 18.7	4,734	23.0	21.2 - 24.8
Utah	47	16.8	5.4 - 33.7 *	26	22.8	7.7 - 42.6 *	21	0.0	-
Vermont	10	0.0	-	-	-	-	-	-	-
Washington	744	26.0	21.4 - 30.9 *	429	17.8	12.8 - 23.5	315	35.0	27.7 - 42.5 *
WA - Seattle	690	26.9	21.9 - 32.0 *	393	19.2	13.8 - 25.2	297	34.9	27.2 - 42.7 *
West Virginia	329	18.6	13.0 - 25.0	203	15.7	8.5 - 24.8 *	126	21.3	13.5 - 30.3
Wisconsin	1,590	25.7	22.4 - 29.2	871	22.2	17.8 - 26.9	719	29.3	24.4 - 34.4
Wyoming	-	-	-	-	-	-	-	-	-

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¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Melanoma of the Skin**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	2,251	70.8	67.9 - 73.5	1,046	65.5	60.6 - 69.9	1,205	74.8	71.2 - 78.1
Alabama	80	65.5	51.6 - 76.3	35	-		45	-	
Alaska	-	-		-	-		-	-	
Arizona	24	-		13	-		11	-	
Arkansas	39	-		19	-		20	-	
California	160	67.4	57.8 - 75.3	86	59.9	46.5 - 71.0	74	69.9	55.7 - 80.3
CA - Greater California	72	65.4	48.3 - 78.1 *	33	-		39	66.7	44.2 - 81.8 *
CA - Greater Bay Area	30	-		19	-		11	-	
CA - Los Angeles	60	-		36	-		24	-	
Colorado	10	-		-	-		-	-	
Connecticut	26	-		12	-		14	-	
Delaware	16	-		-	-		11	-	
Florida	229	69.9	58.8 - 78.5	129	56.2	38.8 - 70.5	100	80.7	69.0 - 88.3
Georgia	176	71.7	62.2 - 79.2	74	-		102	71.2	59.4 - 80.2
Hawaii	-	-		-	-		-	-	
Idaho	-	-		-	-		-	-	
Illinois	81	64.4	47.1 - 77.3 *	32	-		49	62.5	40.4 - 78.4 *
Iowa	-	-		-	-		-	-	
Kansas	12	-		-	-		-	-	
Kentucky	27	-		12	-		15	-	
Louisiana	90	65.4	51.9 - 76.0	39	-		51	-	
Maine	-	-		-	-		-	-	
Maryland	114	71.8	57.9 - 81.8	59	74.7	54.9 - 86.8	55	69.9	48.5 - 83.7 *
MI - Detroit	51	59.3	39.3 - 74.7 *	17	-		34	-	
Minnesota	14	-		-	-		10	-	
Mississippi	64	61.8	45.8 - 74.4	32	-		32	-	
Missouri	26	-		14	-		12	-	
Montana	-	-		-	-		-	-	
Nebraska	-	-		-	-		-	-	
New Hampshire	-	-		-	-		-	-	
New Jersey	81	64.8	45.0 - 79.0 *	40	-		41	-	
New Mexico	-	-		-	-		-	-	
New York	235	74.5	65.2 - 81.6	106	62.7	44.7 - 76.3 *	129	82.0	73.7 - 87.9
North Carolina	136	64.6	52.5 - 74.4	70	66.5	53.4 - 76.7	66	70.3	55.1 - 81.2
North Dakota	-	-		-	-		-	-	
Ohio	67	78.5	64.1 - 87.6	26	-		41	77.1	51.8 - 90.2 *
Oklahoma	20	-		-	-		11	-	
Oregon	-	-		-	-		-	-	
Pennsylvania	80	71.5	57.5 - 81.6	37	69.7	48.0 - 83.8 *	43	74.2	53.2 - 86.8 *
Rhode Island	-	-		-	-		-	-	
South Carolina	71	56.4	39.1 - 70.6	21	-		50	69.2	50.8 - 81.8
South Dakota	-	-		-	-		-	-	
Tennessee	47	69.8	51.4 - 82.4 *	21	-		26	-	
Texas	203	71.8	62.7 - 79.1	89	59.6	46.1 - 70.8	114	76.4	65.5 - 84.2
Utah	-	-		-	-		-	-	
Vermont	-	-		-	-		-	-	
Washington	23	-		12	-		11	-	
WA - Seattle	14	-		-	-		-	-	
West Virginia	-	-		-	-		-	-	
Wisconsin	13	-		-	-		-	-	
Wyoming	-	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Female Breast

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		172,409	81.6	81.1 - 82.0
Alabama	-	-		-	-		6,189	81.0	78.8 - 83.0
Alaska	-	-		-	-		76	73.6	49.1 - 87.6
Arizona	-	-		-	-		964	79.4	73.3 - 84.2
Arkansas	-	-		-	-		1,924	80.2	76.4 - 83.4
California	-	-		-	-		11,612	82.9	81.3 - 84.4
CA - Greater California	-	-		-	-		4,514	82.3	79.6 - 84.7
CA - Greater Bay Area	-	-		-	-		2,301	84.2	80.9 - 87.0
CA - Los Angeles	-	-		-	-		4,799	82.1	80.0 - 83.9
Colorado	-	-		-	-		781	81.6	75.1 - 86.6
Connecticut	-	-		-	-		1,753	87.6	83.7 - 90.6
Delaware	-	-		-	-		1,028	87.6	81.5 - 91.8
Florida	-	-		-	-		12,533	80.7	79.1 - 82.2
Georgia	-	-		-	-		14,406	79.6	78.0 - 81.1
Hawaii	-	-		-	-		75	52.6	40.3 - 63.6
Idaho	-	-		-	-		17	-	
Illinois	-	-		-	-		9,603	83.3	81.6 - 84.9
Iowa	-	-		-	-		261	86.0	77.5 - 91.4
Kansas	-	-		-	-		721	77.6	69.7 - 83.7
Kentucky	-	-		-	-		1,582	79.0	74.4 - 82.9
Louisiana	-	-		-	-		7,115	80.1	77.7 - 82.2
Maine	-	-		-	-		33	-	
Maryland	-	-		-	-		9,387	84.8	83.0 - 86.4
MI - Detroit	-	-		-	-		5,177	81.3	79.0 - 83.5
Minnesota	-	-		-	-		792	80.4	71.1 - 87.0
Mississippi	-	-		-	-		4,933	75.0	72.1 - 77.7
Missouri	-	-		-	-		3,472	82.6	79.5 - 85.4
Montana	-	-		-	-		-	-	
Nebraska	-	-		-	-		297	78.8	69.3 - 85.7
New Hampshire	-	-		-	-		38	-	
New Jersey	-	-		-	-		6,382	78.6	76.3 - 80.7
New Mexico	-	-		-	-		135	86.8	75.7 - 93.0
New York	-	-		-	-		16,707	79.6	78.3 - 80.9
North Carolina	-	-		-	-		11,373	83.3	81.6 - 84.9
North Dakota	-	-		-	-		10	-	
Ohio	-	-		-	-		6,829	81.6	79.5 - 83.5
Oklahoma	-	-		-	-		1,174	82.9	78.7 - 86.3
Oregon	-	-		-	-		285	81.2	69.1 - 89.0
Pennsylvania	-	-		-	-		6,724	83.1	81.2 - 84.9
Rhode Island	-	-		-	-		259	79.6	65.9 - 88.3
South Carolina	-	-		-	-		6,635	81.3	79.0 - 83.4
South Dakota	-	-		-	-		19	-	
Tennessee	-	-		-	-		4,973	81.2	78.2 - 83.8
Texas	-	-		-	-		13,345	80.1	78.4 - 81.7
Utah	-	-		-	-		58	81.9	60.0 - 92.5 *
Vermont	-	-		-	-		12	-	
Washington	-	-		-	-		957	85.5	79.3 - 90.0
WA - Seattle	-	-		-	-		921	86.2	79.9 - 90.7
West Virginia	-	-		-	-		282	85.3	72.9 - 92.3
Wisconsin	-	-		-	-		1,466	85.0	78.5 - 89.6
Wyoming	-	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Cervix Uteri**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		12,619	54.8	53.5 - 56.0
Alabama	-	-		-	-		474	47.2	41.1 - 53.1
Alaska	-	-		-	-		-	-	
Arizona	-	-		-	-		63	60.7	44.1 - 73.7*
Arkansas	-	-		-	-		168	46.8	37.1 - 56.0
California	-	-		-	-		674	46.9	41.2 - 52.3
CA - Greater California	-	-		-	-		285	44.6	37.7 - 51.3
CA - Greater Bay Area	-	-		-	-		97	45.6	35.4 - 55.2
CA - Los Angeles	-	-		-	-		292	44.2	36.1 - 52.0
Colorado	-	-		-	-		42	69.4	48.3 - 83.2*
Connecticut	-	-		-	-		101	54.2	40.0 - 66.4*
Delaware	-	-		-	-		67	63.6	49.2 - 75.0*
Florida	-	-		-	-		1,257	61.0	57.4 - 64.5
Georgia	-	-		-	-		931	50.3	45.9 - 54.5
Hawaii	-	-		-	-		-	-	
Idaho	-	-		-	-		-	-	
Illinois	-	-		-	-		751	57.1	51.8 - 62.0
Iowa	-	-		-	-		22	-	
Kansas	-	-		-	-		37	62.7	43.8 - 76.8*
Kentucky	-	-		-	-		100	59.0	44.8 - 70.7
Louisiana	-	-		-	-		570	52.7	47.2 - 58.0
Maine	-	-		-	-		-	-	
Maryland	-	-		-	-		491	59.3	53.4 - 64.8
MI - Detroit	-	-		-	-		301	51.6	43.7 - 58.9
Minnesota	-	-		-	-		61	68.7	49.1 - 82.1*
Mississippi	-	-		-	-		430	49.1	43.5 - 54.5
Missouri	-	-		-	-		246	38.7	33.1 - 44.4
Montana	-	-		-	-		-	-	
Nebraska	-	-		-	-		27	-	
New Hampshire	-	-		-	-		-	-	
New Jersey	-	-		-	-		517	48.5	42.6 - 54.1
New Mexico	-	-		-	-		-	-	
New York	-	-		-	-		1,419	55.4	51.7 - 58.9
North Carolina	-	-		-	-		670	57.8	52.8 - 62.5
North Dakota	-	-		-	-		-	-	
Ohio	-	-		-	-		392	61.6	54.5 - 67.9*
Oklahoma	-	-		-	-		66	52.0	37.3 - 64.8
Oregon	-	-		-	-		11	-	
Pennsylvania	-	-		-	-		542	59.4	53.6 - 64.8
Rhode Island	-	-		-	-		12	100.0	
South Carolina	-	-		-	-		444	52.6	45.9 - 58.9
South Dakota	-	-		-	-		-	-	
Tennessee	-	-		-	-		411	48.1	41.9 - 54.1
Texas	-	-		-	-		1,081	52.8	48.7 - 56.8
Utah	-	-		-	-		-	-	
Vermont	-	-		-	-		-	-	
Washington	-	-		-	-		57	68.0	45.2 - 82.9*
WA - Seattle	-	-		-	-		49	-	
West Virginia	-	-		-	-		11	-	
Wisconsin	-	-		-	-		140	54.7	46.1 - 62.6
Wyoming	-	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Corpus & Uterus, NOS**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		38,793	58.9	58.1 - 59.8
Alabama	-	-		-	-		1,130	56.1	51.5 - 60.5
Alaska	-	-		-	-		10	-	
Arizona	-	-		-	-		195	57.2	45.6 - 67.1
Arkansas	-	-		-	-		411	55.6	46.1 - 64.1
California	-	-		-	-		2,624	61.1	57.8 - 64.2
CA - Greater California	-	-		-	-		935	57.7	52.0 - 63.0
CA - Greater Bay Area	-	-		-	-		566	61.0	53.9 - 67.3
CA - Los Angeles	-	-		-	-		1,123	62.3	56.9 - 67.2
Colorado	-	-		-	-		150	36.9	27.5 - 46.4
Connecticut	-	-		-	-		420	58.9	51.0 - 66.0
Delaware	-	-		-	-		236	62.3	52.8 - 70.4
Florida	-	-		-	-		3,181	60.1	57.2 - 62.9
Georgia	-	-		-	-		3,023	56.3	53.0 - 59.4
Hawaii	-	-		-	-		11	-	
Idaho	-	-		-	-		-	-	
Illinois	-	-		-	-		2,279	56.1	52.7 - 59.5
Iowa	-	-		-	-		70	68.8	50.9 - 81.4
Kansas	-	-		-	-		135	57.6	45.9 - 67.7
Kentucky	-	-		-	-		340	57.7	48.9 - 65.4
Louisiana	-	-		-	-		1,309	56.9	52.2 - 61.4
Maine	-	-		-	-		-	-	
Maryland	-	-		-	-		2,094	58.2	54.6 - 61.5
MI - Detroit	-	-		-	-		1,188	61.3	56.3 - 65.9
Minnesota	-	-		-	-		210	65.5	54.4 - 74.5
Mississippi	-	-		-	-		1,031	56.1	51.1 - 60.8
Missouri	-	-		-	-		719	53.2	46.2 - 59.8
Montana	-	-		-	-		-	-	
Nebraska	-	-		-	-		54	55.6	35.0 - 72.1 *
New Hampshire	-	-		-	-		-	-	
New Jersey	-	-		-	-		1,542	59.2	55.1 - 63.0
New Mexico	-	-		-	-		32	-	
New York	-	-		-	-		4,782	58.2	55.9 - 60.4
North Carolina	-	-		-	-		2,371	60.5	57.0 - 63.7
North Dakota	-	-		-	-		-	-	
Ohio	-	-		-	-		1,426	59.7	55.3 - 63.8
Oklahoma	-	-		-	-		243	50.8	40.0 - 60.6
Oregon	-	-		-	-		58	73.3	53.3 - 85.8 *
Pennsylvania	-	-		-	-		1,706	57.3	53.5 - 61.0
Rhode Island	-	-		-	-		48	74.2	55.3 - 86.0 *
South Carolina	-	-		-	-		1,490	60.4	56.7 - 64.0
South Dakota	-	-		-	-		-	-	
Tennessee	-	-		-	-		989	62.8	57.1 - 68.0
Texas	-	-		-	-		2,656	57.3	53.9 - 60.4
Utah	-	-		-	-		13	-	
Vermont	-	-		-	-		-	-	
Washington	-	-		-	-		201	63.0	49.2 - 74.0
WA - Seattle	-	-		-	-		187	64.3	50.1 - 75.5
West Virginia	-	-		-	-		56	80.9	61.8 - 91.1 *
Wisconsin	-	-		-	-		325	61.5	50.1 - 71.0
Wyoming	-	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Ovary

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		-	-		12,459	34.2	33.0 - 35.4
Alabama	-	-		-	-		473	35.6	29.9 - 41.4
Alaska	-	-		-	-		-	-	
Arizona	-	-		-	-		69	54.9	38.4 - 68.7 *
Arkansas	-	-		-	-		134	29.8	22.0 - 37.9
California	-	-		-	-		892	34.2	29.4 - 39.1
CA - Greater California	-	-		-	-		324	37.4	30.0 - 44.8
CA - Greater Bay Area	-	-		-	-		200	34.6	24.8 - 44.5
CA - Los Angeles	-	-		-	-		367	31.7	24.7 - 38.9
Colorado	-	-		-	-		50	32.8	16.6 - 50.0 *
Connecticut	-	-		-	-		125	43.3	31.7 - 54.3
Delaware	-	-		-	-		59	45.1	25.9 - 62.5 *
Florida	-	-		-	-		1,054	35.9	31.4 - 40.3
Georgia	-	-		-	-		1,085	34.8	30.2 - 39.3
Hawaii	-	-		-	-		10	-	
Idaho	-	-		-	-		-	-	
Illinois	-	-		-	-		680	39.4	34.1 - 44.7
Iowa	-	-		-	-		21	-	
Kansas	-	-		-	-		38	-	
Kentucky	-	-		-	-		94	39.6	26.4 - 52.6 *
Louisiana	-	-		-	-		460	28.4	22.6 - 34.6
Maine	-	-		-	-		-	-	
Maryland	-	-		-	-		655	29.5	25.2 - 33.8
MI - Detroit	-	-		-	-		388	35.0	28.4 - 41.7
Minnesota	-	-		-	-		57	65.1	46.2 - 78.7 *
Mississippi	-	-		-	-		330	36.9	29.7 - 44.1
Missouri	-	-		-	-		196	36.9	29.2 - 44.6
Montana	-	-		-	-		-	-	
Nebraska	-	-		-	-		11	0.0	
New Hampshire	-	-		-	-		-	-	
New Jersey	-	-		-	-		497	33.6	28.0 - 39.3
New Mexico	-	-		-	-		10	-	
New York	-	-		-	-		1,374	31.7	28.4 - 35.0
North Carolina	-	-		-	-		690	37.2	32.3 - 42.0
North Dakota	-	-		-	-		-	-	
Ohio	-	-		-	-		412	38.4	31.6 - 45.2
Oklahoma	-	-		-	-		94	35.9	24.7 - 47.3
Oregon	-	-		-	-		18	-	
Pennsylvania	-	-		-	-		473	32.3	26.2 - 38.6
Rhode Island	-	-		-	-		10	-	
South Carolina	-	-		-	-		431	31.2	25.3 - 37.2
South Dakota	-	-		-	-		-	-	
Tennessee	-	-		-	-		351	30.7	24.0 - 37.8
Texas	-	-		-	-		1,020	32.6	28.3 - 36.9
Utah	-	-		-	-		-	-	
Vermont	-	-		-	-		-	-	
Washington	-	-		-	-		55	28.4	17.8 - 40.0
WA - Seattle	-	-		-	-		57	26.2	15.5 - 38.2
West Virginia	-	-		-	-		25	-	
Wisconsin	-	-		-	-		101	51.1	36.2 - 64.1 *
Wyoming	-	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Prostate

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		201,137	92.9	92.5 - 93.3	-	-	
Alabama	-	-		7,514	92.1	90.0 - 93.8	-	-	
Alaska	-	-		104	-		-	-	
Arizona	-	-		1,049	86.9	80.2 - 91.5	-	-	
Arkansas	-	-		2,548	90.4	86.3 - 93.2	-	-	
California	-	-		13,054	91.2	89.6 - 92.5	-	-	
CA - Greater California	-	-		5,488	90.6	87.8 - 92.7	-	-	
CA - Greater Bay Area	-	-		2,739	88.9	86.0 - 91.3	-	-	
CA - Los Angeles	-	-		4,822	91.4	88.8 - 93.3	-	-	
Colorado	-	-		1,017	94.9	83.9 - 98.5	-	-	
Connecticut	-	-		1,929	91.3	87.4 - 94.0	-	-	
Delaware	-	-		1,364	84.4	78.8 - 88.6	-	-	
Florida	-	-		15,985	93.7	92.3 - 94.8	-	-	
Georgia	-	-		16,695	91.2	89.7 - 92.5	-	-	
Hawaii	-	-		165	93.6	81.9 - 97.9 *	-	-	
Idaho	-	-		42	-		-	-	
Illinois	-	-		10,073	91.2	89.2 - 92.9	-	-	
Iowa	-	-		377	90.5	81.1 - 95.3 *	-	-	
Kansas	-	-		887	86.4	81.4 - 90.1	-	-	
Kentucky	-	-		1,706	90.8	84.4 - 94.6	-	-	
Louisiana	-	-		8,361	93.3	90.6 - 95.3	-	-	
Maine	-	-		53	98.4	84.0 - 99.9 *	-	-	
Maryland	-	-		10,557	94.6	92.6 - 96.1	-	-	
MI - Detroit	-	-		6,096	93.0	90.1 - 95.1	-	-	
Minnesota	-	-		1,057	96.6	91.9 - 98.6 *	-	-	
Mississippi	-	-		6,360	91.3	88.5 - 93.4	-	-	
Missouri	-	-		3,253	87.5	85.0 - 89.6	-	-	
Montana	-	-		24	100.0		-	-	
Nebraska	-	-		456	93.5	85.1 - 97.2	-	-	
New Hampshire	-	-		81	-		-	-	
New Jersey	-	-		7,726	93.3	91.0 - 95.0	-	-	
New Mexico	-	-		218	83.2	68.9 - 91.4 *	-	-	
New York	-	-		21,814	92.1	91.0 - 93.1	-	-	
North Carolina	-	-		12,755	93.1	91.4 - 94.4	-	-	
North Dakota	-	-		31	100.0		-	-	
Ohio	-	-		7,500	94.0	91.6 - 95.7	-	-	
Oklahoma	-	-		1,468	88.6	82.8 - 92.5	-	-	
Oregon	-	-		417	92.3	83.8 - 96.4 *	-	-	
Pennsylvania	-	-		7,202	92.7	90.5 - 94.3	-	-	
Rhode Island	-	-		271	88.1	74.1 - 94.8	-	-	
South Carolina	-	-		7,741	92.2	89.8 - 94.1	-	-	
South Dakota	-	-		31	100.0		-	-	
Tennessee	-	-		5,597	92.1	89.2 - 94.3	-	-	
Texas	-	-		13,923	91.6	89.9 - 93.0	-	-	
Utah	-	-		125	86.6	67.4 - 94.9	-	-	
Vermont	-	-		26	-		-	-	
Washington	-	-		1,266	95.7	91.7 - 97.8 *	-	-	
WA - Seattle	-	-		1,226	93.3	87.6 - 96.4	-	-	
West Virginia	-	-		426	85.3	74.9 - 91.6	-	-	
Wisconsin	-	-		1,780	96.6	93.7 - 98.2	-	-	
Wyoming	-	-		13	-		-	-	

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* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Testis

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	-	-		1,920	85.8	81.1 - 89.4	-	-	
Alabama	-	-		61	74.6	62.5 - 83.3	-	-	
Alaska	-	-		-	-		-	-	
Arizona	-	-		14	-		-	-	
Arkansas	-	-		17	100.0		-	-	
California	-	-		148	87.7	80.2 - 92.5 *	-	-	
CA - Greater California	-	-		76	83.4	71.1 - 90.8 *	-	-	
CA - Greater Bay Area	-	-		25	100.0		-	-	
CA - Los Angeles	-	-		46	87.0	72.8 - 94.0 *	-	-	
Colorado	-	-		15	-		-	-	
Connecticut	-	-		21	95.1	64.4 - 99.4 *	-	-	
Delaware	-	-		-	-		-	-	
Florida	-	-		131	88.3	79.8 - 93.3 *	-	-	
Georgia	-	-		147	89.7	81.3 - 94.4 *	-	-	
Hawaii	-	-		-	-		-	-	
Idaho	-	-		-	-		-	-	
Illinois	-	-		83	90.7	74.9 - 96.8 *	-	-	
Iowa	-	-		-	-		-	-	
Kansas	-	-		13	100.0		-	-	
Kentucky	-	-		18	100.0		-	-	
Louisiana	-	-		78	91.8	80.2 - 96.7 *	-	-	
Maine	-	-		-	-		-	-	
Maryland	-	-		94	96.4	86.5 - 99.1 *	-	-	
MI - Detroit	-	-		51	86.3	72.3 - 93.6 *	-	-	
Minnesota	-	-		18	94.2	64.5 - 99.2 *	-	-	
Mississippi	-	-		56	94.6	80.0 - 98.6 *	-	-	
Missouri	-	-		41	-		-	-	
Montana	-	-		-	-		-	-	
Nebraska	-	-		-	-		-	-	
New Hampshire	-	-		-	-		-	-	
New Jersey	-	-		67	86.4	64.4 - 95.2 *	-	-	
New Mexico	-	-		-	-		-	-	
New York	-	-		215	91.5	84.7 - 95.4 *	-	-	
North Carolina	-	-		133	87.8	78.2 - 93.3 *	-	-	
North Dakota	-	-		-	-		-	-	
Ohio	-	-		64	84.8	71.9 - 92.1 *	-	-	
Oklahoma	-	-		17	-		-	-	
Oregon	-	-		-	-		-	-	
Pennsylvania	-	-		78	93.8	84.6 - 97.6 *	-	-	
Rhode Island	-	-		-	-		-	-	
South Carolina	-	-		54	90.1	75.1 - 96.3 *	-	-	
South Dakota	-	-		-	-		-	-	
Tennessee	-	-		60	92.1	76.3 - 97.5 *	-	-	
Texas	-	-		147	88.1	79.7 - 93.2 *	-	-	
Utah	-	-		-	-		-	-	
Vermont	-	-		-	-		-	-	
Washington	-	-		18	-		-	-	
WA - Seattle	-	-		14	-		-	-	
West Virginia	-	-		-	-		-	-	
Wisconsin	-	-		16	100.0		-	-	
Wyoming	-	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Urinary Bladder (incl. in situ)**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	25,844	64.3	63.3 - 65.3	17,483	67.3	66.1 - 68.5	8,361	57.7	56.0 - 59.3
Alabama	884	63.8	58.9 - 68.3	594	64.9	58.4 - 70.6	290	58.9	50.0 - 66.8
Alaska	15	-	-	12	-	-	-	-	-
Arizona	155	61.8	48.6 - 72.6 *	104	60.4	43.6 - 73.7 *	51	63.8	42.0 - 79.3 *
Arkansas	290	65.7	57.6 - 72.6	204	65.7	55.6 - 74.0	86	63.6	49.2 - 74.9 *
California	2,026	63.4	59.9 - 66.6	1,448	65.0	60.6 - 69.1	578	58.3	52.3 - 63.9
CA - Greater California	800	60.8	55.1 - 66.0	584	60.9	53.8 - 67.3	216	55.5	44.9 - 64.9 *
CA - Greater Bay Area	433	66.7	59.8 - 72.6	301	70.9	62.1 - 78.1	132	51.0	40.1 - 60.9 *
CA - Los Angeles	794	61.3	55.4 - 66.8	564	61.7	54.0 - 68.5	230	59.5	50.1 - 67.7
Colorado	135	61.1	46.1 - 73.2 *	108	66.2	49.6 - 78.5 *	27	-	-
Connecticut	284	59.9	51.5 - 67.3	187	62.1	50.8 - 71.6 *	97	51.2	38.4 - 62.6
Delaware	182	70.0	58.3 - 79.0	125	71.7	57.4 - 82.0	57	65.1	47.7 - 77.9 *
Florida	1,701	62.6	58.9 - 66.1	1,178	65.5	60.9 - 69.8	523	54.2	47.8 - 60.2
Georgia	1,813	57.8	53.9 - 61.5	1,197	59.7	55.0 - 64.1	616	52.3	45.9 - 58.3
Hawaii	26	-	-	21	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,445	64.3	60.2 - 68.1	972	68.7	63.5 - 73.3	473	54.5	47.7 - 60.8
Iowa	56	38.8	20.5 - 56.9 *	41	-	-	15	-	-
Kansas	122	70.8	56.1 - 81.4	88	73.1	54.6 - 84.9	34	-	-
Kentucky	249	63.8	55.2 - 71.2	177	66.2	55.4 - 75.0	72	52.9	37.7 - 66.0 *
Louisiana	991	65.7	60.5 - 70.3	677	71.2	65.3 - 76.2	314	52.9	44.2 - 60.8 *
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,372	69.1	64.8 - 73.0	901	71.8	66.3 - 76.6	471	63.8	57.1 - 69.8 *
MI - Detroit	883	64.1	58.5 - 69.2	580	68.5	61.7 - 74.2	303	55.5	45.8 - 64.1
Minnesota	149	55.6	45.1 - 64.9	109	57.2	44.2 - 68.2	40	-	-
Mississippi	662	61.8	55.0 - 67.8	461	68.3	59.6 - 75.5	201	49.7	38.4 - 60.0 *
Missouri	527	65.1	58.6 - 70.8	326	68.3	59.0 - 75.9	201	57.3	46.0 - 67.1
Montana	-	-	-	-	-	-	-	-	-
Nebraska	58	73.8	57.3 - 84.7 *	38	-	-	20	-	-
New Hampshire	11	-	-	-	-	-	-	-	-
New Jersey	985	58.6	53.0 - 63.9	663	61.2	54.1 - 67.5	322	54.3	45.6 - 62.1 *
New Mexico	32	-	-	26	64.1	41.5 - 79.9 *	-	-	-
New York	2,544	63.3	60.2 - 66.2	1,694	65.1	61.2 - 68.7	850	58.9	53.8 - 63.5
North Carolina	1,703	65.9	62.3 - 69.3	1,113	69.0	64.3 - 73.1	590	58.6	52.6 - 64.2
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,155	66.5	61.6 - 70.9	789	68.8	62.8 - 74.1	366	62.1	54.4 - 68.9
Oklahoma	207	73.2	61.3 - 82.0 *	142	77.5	61.2 - 87.6 *	65	59.9	42.7 - 73.5 *
Oregon	53	66.2	46.4 - 80.2 *	34	-	-	19	-	-
Pennsylvania	1,299	64.6	60.2 - 68.6	868	69.8	64.2 - 74.7	431	53.5	46.1 - 60.4
Rhode Island	38	-	-	25	-	-	13	-	-
South Carolina	885	66.3	61.2 - 70.8	556	67.6	61.1 - 73.4	329	59.1	50.0 - 67.1 *
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	633	59.1	52.0 - 65.5 *	422	60.7	51.4 - 68.8 *	211	54.5	43.5 - 64.2 *
Texas	1,739	59.9	56.1 - 63.4	1,208	62.1	57.3 - 66.4	531	53.3	46.6 - 59.5 *
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	191	59.5	48.7 - 68.7	142	58.6	45.7 - 69.4	49	-	-
WA - Seattle	174	60.0	48.7 - 69.5	127	60.8	47.4 - 71.8	47	-	-
West Virginia	54	63.7	45.6 - 77.2 *	41	72.3	50.3 - 85.8 *	13	-	-
Wisconsin	252	71.1	58.4 - 80.6	179	73.7	58.2 - 84.2	73	-	-
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Kidney & Renal Pelvis**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	43,404	72.6	71.8 - 73.4	26,117	71.8	70.5 - 73.0	17,287	74.2	73.0 - 75.3
Alabama	1,512	72.2	67.0 - 76.7	907	72.4	66.8 - 77.2	605	71.3	63.9 - 77.4
Alaska	19	-	-	-	-	-	10	-	-
Arizona	271	75.7	66.0 - 83.1	189	78.5	67.4 - 86.1	82	68.1	53.5 - 79.0
Arkansas	561	67.3	60.3 - 73.3	322	62.7	53.4 - 70.6	239	70.6	58.2 - 79.9
California	2,945	72.4	69.2 - 75.4	1,835	73.3	69.2 - 76.9	1,110	70.5	65.5 - 74.9
CA - Greater California	1,273	72.4	67.1 - 77.1	800	72.4	65.1 - 78.5	473	71.8	63.8 - 78.4
CA - Greater Bay Area	633	69.9	63.8 - 75.2	398	71.0	63.2 - 77.5	235	65.5	55.4 - 73.8
CA - Los Angeles	1,036	72.5	66.6 - 77.5	635	74.4	68.6 - 79.3	401	70.4	62.0 - 77.3
Colorado	219	74.6	60.5 - 84.3	147	82.1	71.3 - 89.1	72	72.0	53.9 - 84.0 *
Connecticut	372	72.1	62.2 - 79.8	243	67.4	49.5 - 80.1	129	72.7	60.6 - 81.7
Delaware	256	66.8	54.0 - 76.8	163	76.4	63.9 - 85.0 *	93	-	-
Florida	2,755	72.1	69.2 - 74.8	1,676	70.6	66.9 - 74.0	1,079	73.3	68.7 - 77.4
Georgia	3,294	68.8	65.2 - 72.0	1,946	63.5	58.4 - 68.1	1,348	74.2	69.6 - 78.2
Hawaii	21	86.1	61.5 - 95.5 *	17	82.9	54.5 - 94.4 *	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	2,408	73.4	69.8 - 76.6	1,460	70.8	66.3 - 74.8	948	75.2	69.7 - 79.8
Iowa	117	67.7	46.5 - 81.9	64	78.6	61.4 - 88.8 *	53	81.5	58.2 - 92.6 *
Kansas	189	71.2	59.3 - 80.2	118	66.2	50.9 - 77.7	71	82.0	67.4 - 90.5 *
Kentucky	529	72.4	63.3 - 79.5	310	65.3	55.6 - 73.5	219	78.1	64.7 - 86.9
Louisiana	1,916	69.3	65.3 - 72.9	1,130	68.7	63.3 - 73.5	786	69.6	63.8 - 74.6
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,983	76.6	72.9 - 79.8	1,157	75.9	71.0 - 80.0	826	76.4	71.1 - 80.9
MI - Detroit	1,335	69.5	64.9 - 73.7	812	68.7	62.2 - 74.4	523	70.6	63.9 - 76.3
Minnesota	252	68.9	57.9 - 77.6	166	77.2	63.9 - 86.1 *	86	58.7	50.8 - 65.8
Mississippi	1,552	69.3	64.6 - 73.5	884	66.0	58.9 - 72.1	668	71.0	64.9 - 76.3
Missouri	932	71.5	65.7 - 76.5	521	73.1	64.7 - 79.8	411	70.2	62.3 - 76.8
Montana	-	-	-	-	-	-	-	-	-
Nebraska	121	74.3	59.1 - 84.5	84	79.7	65.2 - 88.7 *	37	-	-
New Hampshire	12	-	-	-	-	-	-	-	-
New Jersey	1,411	73.1	68.5 - 77.1	866	73.5	67.0 - 79.0	545	71.6	64.7 - 77.4
New Mexico	46	-	-	32	-	-	14	-	-
New York	3,598	72.2	69.3 - 74.8	2,226	71.1	66.9 - 74.9	1,372	73.8	69.9 - 77.3
North Carolina	2,822	72.5	69.3 - 75.4	1,609	70.6	65.6 - 75.1	1,213	74.5	70.1 - 78.3
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,773	76.5	72.3 - 80.0	1,091	73.9	68.6 - 78.5	682	79.1	73.8 - 83.4
Oklahoma	343	74.0	63.2 - 82.2	215	72.6	58.4 - 82.6	128	80.2	69.3 - 87.5 *
Oregon	97	69.3	46.9 - 83.8	67	66.8	46.2 - 81.0 *	30	72.9	49.4 - 86.8 *
Pennsylvania	2,039	71.0	67.1 - 74.6	1,251	72.1	66.5 - 76.9	788	67.8	61.4 - 73.3
Rhode Island	59	75.3	55.1 - 87.3 *	37	-	-	22	-	-
South Carolina	1,609	71.1	66.2 - 75.4	967	70.1	63.1 - 76.1	642	72.4	65.6 - 78.0
South Dakota	14	-	-	-	-	-	-	-	-
Tennessee	1,393	71.3	66.9 - 75.1	797	71.3	63.4 - 77.8	596	69.4	63.7 - 74.5
Texas	3,704	72.4	69.4 - 75.1	2,191	67.3	62.6 - 71.6	1,513	76.6	72.8 - 80.0
Utah	17	-	-	14	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	322	68.8	58.7 - 76.8	217	69.7	57.9 - 78.8	105	80.4	66.5 - 89.0 *
WA - Seattle	306	70.2	59.8 - 78.4	206	69.6	56.8 - 79.3	100	68.5	50.2 - 81.2
West Virginia	80	41.5	26.1 - 56.2	56	-	-	24	-	-
Wisconsin	476	72.1	61.3 - 80.3	281	70.1	50.2 - 83.3	195	70.3	57.0 - 80.2
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Brain & Other Nervous System (invasive)

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	8,626	30.4	29.3 - 31.6	4,661	27.5	26.0 - 29.1	3,965	33.9	32.1 - 35.7
Alabama	320	26.1	21.0 - 31.4	173	21.8	14.2 - 30.4 *	147	32.5	24.9 - 40.4
Alaska	-	-	-	-	-	-	-	-	-
Arizona	54	33.8	19.1 - 49.1 *	29	-	-	25	-	-
Arkansas	104	31.5	20.9 - 42.7 *	60	37.6	22.7 - 52.3 *	44	28.2	14.4 - 43.7 *
California	611	33.6	29.4 - 37.9	363	28.4	22.9 - 34.1	248	40.8	34.8 - 46.6
CA - Greater California	266	30.8	24.0 - 38.0 *	165	25.3	17.2 - 34.3 *	101	39.4	27.9 - 50.7 *
CA - Greater Bay Area	123	39.3	30.4 - 47.9	77	33.2	21.1 - 45.8 *	46	43.6	27.3 - 58.8 *
CA - Los Angeles	222	30.9	23.5 - 38.6 *	121	28.1	18.4 - 38.6 *	101	37.4	31.5 - 43.3
Colorado	41	42.5	24.0 - 59.8 *	26	-	-	15	-	-
Connecticut	99	23.6	15.0 - 33.4	52	24.1	11.3 - 39.6 *	47	15.8	4.7 - 32.8 *
Delaware	45	-	-	21	-	-	24	-	-
Florida	752	32.9	29.0 - 36.9	403	33.2	27.3 - 39.2 *	349	35.2	29.4 - 41.1
Georgia	667	30.2	26.0 - 34.5	337	30.2	23.9 - 36.6	330	33.2	26.8 - 39.7 *
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	433	33.0	27.4 - 38.7 *	241	28.3	22.4 - 34.4	192	37.0	28.4 - 45.5 *
Iowa	20	-	-	11	-	-	-	-	-
Kansas	38	35.6	19.4 - 52.1 *	24	-	-	14	-	-
Kentucky	91	27.1	15.6 - 40.0 *	52	24.9	10.8 - 41.9 *	39	-	-
Louisiana	293	25.9	19.5 - 32.7 *	165	26.1	17.9 - 35.1 *	128	25.8	16.7 - 35.8 *
Maine	-	-	-	-	-	-	-	-	-
Maryland	408	29.5	24.5 - 34.7	218	24.1	16.8 - 32.1 *	190	32.1	25.8 - 38.5
MI - Detroit	236	22.8	16.4 - 29.8	117	15.4	6.4 - 27.9 *	119	30.9	19.7 - 42.6 *
Minnesota	74	40.7	26.2 - 54.7 *	43	37.2	20.0 - 54.5 *	31	-	-
Mississippi	236	28.6	21.8 - 35.7 *	124	27.6	18.8 - 37.1	112	31.3	21.6 - 41.5 *
Missouri	153	26.7	19.1 - 35.0	82	26.6	15.0 - 39.7 *	71	25.5	15.9 - 36.2
Montana	-	-	-	-	-	-	-	-	-
Nebraska	19	-	-	-	-	-	11	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	327	33.8	27.1 - 40.6 *	178	32.7	24.0 - 41.8 *	149	35.2	25.1 - 45.4 *
New Mexico	-	-	-	-	-	-	-	-	-
New York	824	31.0	27.7 - 34.4	444	27.5	23.6 - 31.6	380	32.2	26.1 - 38.6 *
North Carolina	534	30.0	25.4 - 34.7	274	24.1	18.1 - 30.6	260	35.3	28.6 - 42.1
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	349	26.8	21.6 - 32.2	189	23.2	16.6 - 30.5	160	35.0	25.8 - 44.4 *
Oklahoma	60	30.2	16.5 - 45.2 *	31	-	-	29	-	-
Oregon	26	-	-	15	-	-	11	-	-
Pennsylvania	349	32.0	26.4 - 37.8	206	24.8	19.3 - 30.8	143	38.0	28.7 - 47.3
Rhode Island	14	-	-	-	-	-	-	-	-
South Carolina	302	26.2	20.3 - 32.5	152	18.0	10.5 - 27.0 *	150	28.9	20.8 - 37.5 *
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	230	27.0	20.2 - 34.3 *	128	23.8	15.3 - 33.5 *	102	31.2	20.7 - 42.4 *
Texas	725	33.1	29.0 - 37.2	375	34.2	29.1 - 39.3	350	33.8	27.2 - 40.4 *
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	62	36.0	22.0 - 50.2 *	40	27.6	13.2 - 44.1 *	22	-	-
WA - Seattle	61	36.7	22.5 - 51.0 *	38	23.2	9.8 - 39.8 *	23	-	-
West Virginia	13	-	-	-	-	-	-	-	-
Wisconsin	76	35.0	19.1 - 51.4 *	39	-	-	37	-	-
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Brain & Other Nervous System (non-invasive)

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	30,841	87.4	86.7 - 88.0	8,910	83.6	82.2 - 84.8	21,931	88.9	88.2 - 89.6
Alabama	698	86.8	81.7 - 90.5	209	84.4	72.1 - 91.6 *	489	87.1	81.5 - 91.1
Alaska	20	-	-	-	-	-	13	-	-
Arizona	179	85.7	78.2 - 90.8	62	80.3	62.4 - 90.2 *	117	88.8	81.0 - 93.5
Arkansas	354	86.2	78.8 - 91.2	121	81.9	69.9 - 89.5	233	86.9	77.9 - 92.4
California	1,945	87.5	84.7 - 89.8	602	81.7	75.7 - 86.3	1,343	89.5	86.5 - 92.0
CA - Greater California	831	84.8	79.9 - 88.6	280	78.6	69.1 - 85.4	551	87.6	82.0 - 91.5
CA - Greater Bay Area	434	90.0	85.0 - 93.4	129	84.8	73.6 - 91.6	305	91.6	86.4 - 94.9
CA - Los Angeles	675	87.0	82.3 - 90.5	191	83.0	73.2 - 89.4	484	87.5	82.0 - 91.4
Colorado	217	86.1	76.5 - 92.0	69	78.9	69.1 - 85.9	148	89.1	76.4 - 95.1
Connecticut	222	87.3	78.5 - 92.6	71	78.3	58.5 - 89.5	151	88.7	78.9 - 94.1
Delaware	142	82.7	72.2 - 89.6	43	-	-	99	82.1	71.9 - 88.9
Florida	2,826	88.0	85.9 - 89.8	820	84.2	80.4 - 87.4	2,006	88.7	86.2 - 90.8
Georgia	2,555	85.8	83.4 - 87.9	704	79.9	74.1 - 84.5	1,851	87.8	85.3 - 89.9
Hawaii	18	-	-	10	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,531	89.1	86.3 - 91.4	399	86.2	80.3 - 90.5	1,132	89.2	86.1 - 91.6
Iowa	73	96.4	64.8 - 99.7 *	18	94.8	64.5 - 99.4 *	55	-	-
Kansas	134	90.5	79.6 - 95.7	51	-	-	83	91.1	71.6 - 97.4
Kentucky	360	88.7	82.8 - 92.7	80	87.6	73.9 - 94.4	280	88.5	82.0 - 92.7
Louisiana	1,190	84.2	80.8 - 87.0	360	78.7	71.2 - 84.5	830	86.1	82.3 - 89.2
Maine	13	-	-	-	-	-	-	-	-
Maryland	1,427	87.6	84.8 - 90.0	423	84.6	78.5 - 89.1	1,004	88.4	85.3 - 90.9
MI - Detroit	1,026	83.1	79.1 - 86.4	272	75.7	66.1 - 82.8	754	85.0	80.7 - 88.4
Minnesota	130	85.5	71.5 - 93.0 *	55	-	-	75	75.1	65.6 - 82.4
Mississippi	765	85.6	81.1 - 89.0	215	80.4	70.2 - 87.4	550	86.7	81.4 - 90.6
Missouri	664	84.4	79.3 - 88.3	179	75.3	65.3 - 82.8	485	86.7	80.8 - 90.9
Montana	-	-	-	-	-	-	-	-	-
Nebraska	58	-	-	13	-	-	45	-	-
New Hampshire	16	-	-	-	-	-	12	-	-
New Jersey	1,074	87.2	83.5 - 90.2	313	84.7	77.6 - 89.8	761	87.2	82.8 - 90.5
New Mexico	26	-	-	12	-	-	14	-	-
New York	2,973	86.5	84.3 - 88.4	878	81.0	76.1 - 84.9	2,095	88.6	86.2 - 90.5
North Carolina	1,915	86.3	83.7 - 88.6	556	78.1	71.8 - 83.2	1,359	88.4	85.4 - 90.9
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,002	85.6	81.8 - 88.6	285	78.4	70.4 - 84.4	717	87.0	82.8 - 90.3
Oklahoma	215	88.2	80.1 - 93.2	70	85.4	65.7 - 94.3 *	145	89.6	80.9 - 94.5
Oregon	50	93.7	70.4 - 98.8 *	13	-	-	37	-	-
Pennsylvania	1,377	89.4	86.3 - 91.9	393	86.2	79.6 - 90.8	984	89.9	86.1 - 92.7
Rhode Island	39	87.0	57.3 - 96.6 *	15	-	-	24	-	-
South Carolina	1,113	89.1	85.9 - 91.5	280	78.9	71.1 - 84.9	833	90.7	87.2 - 93.2
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	861	86.3	82.0 - 89.6	253	79.8	69.1 - 87.2	608	87.6	82.9 - 91.1
Texas	2,847	85.8	83.5 - 87.8	799	83.5	78.9 - 87.1	2,048	86.4	83.6 - 88.7
Utah	23	-	-	11	-	-	12	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	302	86.3	79.4 - 91.0	114	79.3	67.1 - 87.4	188	89.6	81.5 - 94.2
WA - Seattle	289	84.6	77.6 - 89.6	109	77.9	66.3 - 86.0	180	88.6	80.4 - 93.6
West Virginia	42	-	-	18	-	-	24	-	-
Wisconsin	393	82.0	73.9 - 87.8	100	71.0	57.9 - 80.7	293	85.5	75.4 - 91.6
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Thyroid**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	23,652	94.7	93.8 - 95.4	4,370	89.9	87.6 - 91.7	19,282	95.6	94.8 - 96.2
Alabama	585	90.3	85.2 - 93.8	111	88.4	73.2 - 95.2 *	474	91.2	84.8 - 95.0
Alaska	18	100.0		-	-		13	100.0	
Arizona	192	95.5	86.5 - 98.6	42	94.2	62.6 - 99.2 *	150	96.7	87.4 - 99.2
Arkansas	231	92.8	84.3 - 96.8 *	49	-		182	91.8	82.5 - 96.3 *
California	1,327	90.9	87.3 - 93.5	304	86.2	77.8 - 91.6	1,023	92.0	87.8 - 94.8
CA - Greater California	560	89.2	82.2 - 93.6	129	86.2	68.5 - 94.3 *	431	91.1	84.1 - 95.1
CA - Greater Bay Area	184	85.7	75.6 - 91.9	47	82.2	66.2 - 91.1 *	137	87.2	74.9 - 93.7
CA - Los Angeles	582	90.8	85.7 - 94.2	128	85.4	74.5 - 91.9	454	91.6	85.6 - 95.2
Colorado	141	96.7	88.6 - 99.1 *	34	92.6	68.4 - 98.4 *	107	97.7	87.0 - 99.6 *
Connecticut	310	88.2	79.4 - 93.4	58	86.9	73.6 - 93.8	252	90.0	80.9 - 94.9
Delaware	170	93.1	79.5 - 97.8	30	94.1	74.5 - 98.8 *	140	91.4	76.5 - 97.0
Florida	1,727	94.0	90.8 - 96.2	288	90.2	81.1 - 95.1	1,439	94.1	91.0 - 96.2
Georgia	1,726	91.2	86.2 - 94.4	290	84.0	75.8 - 89.6	1,436	91.4	84.8 - 95.3
Hawaii	10	-		-	-		-	-	
Idaho	-	-		-	-		-	-	
Illinois	1,124	93.6	90.6 - 95.6	205	91.4	84.0 - 95.5	919	93.4	89.9 - 95.7
Iowa	44	92.5	69.6 - 98.3 *	-	-		36	89.0	64.1 - 97.0 *
Kansas	136	93.3	74.5 - 98.4	35	-		101	93.0	74.1 - 98.3
Kentucky	262	91.2	83.3 - 95.4	38	-		224	89.7	81.2 - 94.5
Louisiana	937	93.4	89.1 - 96.1	168	92.7	82.4 - 97.1	769	93.2	88.4 - 96.0
Maine	12	100.0		-	-		-	-	
Maryland	1,337	93.4	89.4 - 96.0	261	87.2	76.3 - 93.3	1,076	94.5	90.8 - 96.7
MI - Detroit	739	89.7	84.4 - 93.3	142	89.3	73.2 - 96.0 *	597	90.6	84.4 - 94.4
Minnesota	191	92.9	81.1 - 97.5	40	92.8	77.9 - 97.8 *	151	92.8	77.6 - 97.8
Mississippi	558	89.7	84.3 - 93.3	80	88.5	76.4 - 94.6 *	478	90.7	84.6 - 94.5
Missouri	383	89.0	83.3 - 92.8	72	80.5	63.1 - 90.3	311	91.1	84.4 - 95.1
Montana	-	-		-	-		-	-	
Nebraska	52	95.2	79.2 - 99.0 *	13	-		39	95.5	76.3 - 99.2 *
New Hampshire	-	-		-	-		-	-	
New Jersey	942	94.7	89.5 - 97.3	175	84.3	72.2 - 91.5	767	95.9	93.0 - 97.6
New Mexico	22	86.6	60.4 - 96.0 *	-	-		15	-	
New York	2,745	93.4	90.7 - 95.3	465	86.5	79.6 - 91.2	2,280	94.4	91.4 - 96.3
North Carolina	1,408	93.0	88.4 - 95.8	248	78.9	64.1 - 88.1	1,160	94.1	90.4 - 96.4
North Dakota	-	-		-	-		-	-	
Ohio	1,081	95.8	92.8 - 97.6	192	89.3	77.0 - 95.3 *	889	97.0	94.5 - 98.4
Oklahoma	169	89.7	78.7 - 95.2	38	85.5	61.3 - 95.1 *	131	90.9	76.1 - 96.7
Oregon	60	-		11	-		49	100.0	
Pennsylvania	1,324	96.5	93.1 - 98.3	229	91.5	83.6 - 95.7	1,095	96.9	92.6 - 98.7
Rhode Island	63	94.3	76.8 - 98.7	18	-		45	98.3	76.4 - 99.9 *
South Carolina	814	96.0	92.2 - 98.0	159	87.9	75.4 - 94.3	655	96.9	93.3 - 98.6
South Dakota	-	-		-	-		-	-	
Tennessee	535	88.1	77.0 - 94.1	91	72.9	63.7 - 80.1	444	91.7	75.4 - 97.4
Texas	1,764	93.4	90.9 - 95.2	346	83.6	74.1 - 89.9	1,418	93.9	90.3 - 96.2
Utah	17	100.0		-	-		12	100.0	
Vermont	-	-		-	-		-	-	
Washington	167	91.5	81.2 - 96.3	34	92.8	69.4 - 98.5 *	133	91.5	81.4 - 96.2
WA - Seattle	166	91.1	80.9 - 96.0	34	92.9	69.3 - 98.5 *	132	90.9	80.9 - 95.8
West Virginia	52	80.4	56.3 - 92.1	16	-		36	-	
Wisconsin	242	92.3	78.5 - 97.4	48	87.7	68.9 - 95.5 *	194	92.5	78.7 - 97.5
Wyoming	-	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Hodgkin Lymphoma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	7,013	82.9	81.5 - 84.3	3,755	81.7	79.5 - 83.6	3,258	84.5	82.6 - 86.2
Alabama	214	78.0	71.6 - 83.1	116	85.3	73.7 - 92.0 *	98	82.1	66.2 - 91.0 *
Alaska	-	-	-	-	-	-	-	-	-
Arizona	66	66.0	54.8 - 75.1	39	-	-	27	81.8	55.7 - 93.4 *
Arkansas	91	85.8	72.6 - 93.0 *	54	80.4	61.5 - 90.6 *	37	94.5	78.9 - 98.6 *
California	415	74.1	69.6 - 78.0	229	72.4	66.1 - 77.7	186	76.9	71.0 - 81.8
CA - Greater California	184	68.4	60.9 - 74.8	103	74.1	62.5 - 82.6 *	81	72.1	60.4 - 80.9
CA - Greater Bay Area	89	88.6	76.6 - 94.7 *	52	86.0	67.3 - 94.4 *	37	91.7	74.8 - 97.4 *
CA - Los Angeles	142	76.1	68.1 - 82.3	74	76.8	65.2 - 84.9	68	81.4	67.0 - 89.9 *
Colorado	43	93.5	76.1 - 98.4 *	30	94.0	71.1 - 98.9 *	13	-	-
Connecticut	84	82.8	69.8 - 90.5 *	50	83.8	69.1 - 91.8 *	34	78.1	54.4 - 90.5 *
Delaware	45	86.5	63.6 - 95.5 *	26	-	-	19	94.3	64.0 - 99.2 *
Florida	598	80.8	76.4 - 84.5	307	80.3	74.4 - 85.0 *	291	84.5	79.0 - 88.7
Georgia	557	81.9	77.0 - 85.9	292	82.7	76.0 - 87.8 *	265	83.7	77.6 - 88.2
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	369	80.6	74.6 - 85.4	206	85.7	77.5 - 91.0 *	163	81.5	72.7 - 87.7
Iowa	29	96.5	76.7 - 99.5 *	15	93.4	60.9 - 99.1 *	14	100.0	-
Kansas	24	100.0	-	15	100.0	-	-	-	-
Kentucky	64	77.8	62.9 - 87.3 *	36	69.9	48.0 - 83.9 *	28	87.5	63.5 - 96.1 *
Louisiana	242	77.3	71.9 - 81.7	138	83.1	74.4 - 89.0 *	104	85.4	70.8 - 93.1 *
Maine	-	-	-	-	-	-	-	-	-
Maryland	340	83.6	76.1 - 88.9	179	82.1	69.0 - 90.0	161	90.3	81.8 - 94.9 *
MI - Detroit	175	78.2	70.3 - 84.3	99	82.4	71.6 - 89.4 *	76	79.5	69.3 - 86.6
Minnesota	51	82.6	63.3 - 92.3 *	35	85.1	59.3 - 95.1 *	16	-	-
Mississippi	188	83.6	75.1 - 89.5 *	96	79.9	66.6 - 88.3 *	92	87.3	74.9 - 93.9 *
Missouri	131	87.0	76.9 - 92.9 *	67	90.1	74.4 - 96.4 *	64	83.3	66.8 - 92.0 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	22	-	-	-	-	-	18	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	270	86.2	79.7 - 90.8	135	83.5	71.1 - 90.9 *	135	87.5	78.9 - 92.8
New Mexico	-	-	-	-	-	-	-	-	-
New York	753	84.3	80.2 - 87.6	379	84.8	79.6 - 88.8 *	374	87.0	81.8 - 90.8
North Carolina	404	85.2	79.3 - 89.5	216	82.2	70.6 - 89.6	188	86.7	79.0 - 91.7
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	259	84.3	78.0 - 89.0	135	84.1	74.8 - 90.2	124	84.8	75.3 - 90.9 *
Oklahoma	52	77.6	61.7 - 87.5 *	27	69.0	45.9 - 83.8 *	25	86.6	60.2 - 96.0 *
Oregon	14	-	-	-	-	-	-	-	-
Pennsylvania	306	83.7	76.4 - 88.9	164	85.3	76.2 - 91.1 *	142	83.2	77.9 - 87.3
Rhode Island	13	100.0	-	-	-	-	-	-	-
South Carolina	236	85.3	78.0 - 90.3 *	124	79.8	68.3 - 87.5 *	112	90.3	80.8 - 95.2 *
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	201	74.6	68.1 - 80.0	113	72.7	64.1 - 79.5	88	88.7	78.1 - 94.4 *
Texas	561	83.0	77.4 - 87.4	307	79.8	69.9 - 86.7	254	83.7	77.0 - 88.5
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	68	79.2	63.5 - 88.7 *	39	68.5	47.1 - 82.7 *	29	96.6	77.8 - 99.5 *
WA - Seattle	61	78.4	61.2 - 88.6 *	37	67.2	45.3 - 81.9 *	24	100.0	-
West Virginia	-	-	-	-	-	-	-	-	-
Wisconsin	86	89.1	76.0 - 95.3 *	44	93.2	79.0 - 97.9 *	42	84.3	63.1 - 93.9 *
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Non-Hodgkin Lymphoma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	34,844	64.0	63.0 - 64.9	18,191	60.7	59.3 - 62.0	16,653	67.4	66.1 - 68.5
Alabama	985	56.6	51.3 - 61.6	513	51.9	44.1 - 59.2	472	61.1	54.1 - 67.3
Alaska	25	75.9	51.5 - 89.1 *	14	-		11	-	
Arizona	198	62.5	50.3 - 72.5	126	68.9	56.5 - 78.5	72	61.1	46.1 - 73.1
Arkansas	389	67.3	57.5 - 75.3	209	59.6	42.9 - 72.8	180	68.1	56.9 - 77.0
California	2,437	66.1	62.8 - 69.2	1,308	64.9	60.5 - 68.9	1,129	67.4	63.0 - 71.4
CA - Greater California	930	61.0	55.0 - 66.6	522	61.3	53.9 - 67.9	408	61.9	53.8 - 69.0
CA - Greater Bay Area	558	71.8	66.5 - 76.5	298	68.3	59.8 - 75.4	260	75.1	66.6 - 81.7
CA - Los Angeles	950	64.8	59.6 - 69.5	488	63.4	55.3 - 70.5	462	65.7	59.1 - 71.5
Colorado	193	63.3	48.0 - 75.3	115	53.1	43.8 - 61.6	78	66.2	45.4 - 80.6
Connecticut	346	67.9	60.1 - 74.4	190	63.6	52.2 - 73.0	156	71.9	60.5 - 80.6
Delaware	209	67.6	55.7 - 76.9	109	60.1	45.0 - 72.3	100	73.7	60.9 - 82.9
Florida	3,245	59.3	56.4 - 62.0	1,686	56.5	52.1 - 60.6	1,559	61.3	57.3 - 65.0
Georgia	2,823	62.6	58.9 - 66.0	1,532	56.6	50.9 - 61.9	1,291	67.9	63.0 - 72.3
Hawaii	20	-		15	-		-	-	
Idaho	-	-		-	-		-	-	
Illinois	1,704	65.5	61.4 - 69.3	870	62.9	57.7 - 67.7	834	67.2	61.8 - 72.0
Iowa	76	-		48	-		28	-	
Kansas	139	66.1	54.3 - 75.6	62	64.7	47.3 - 77.6 *	77	69.4	53.3 - 80.9
Kentucky	314	59.6	51.2 - 66.9	178	60.3	48.5 - 70.2	136	58.4	46.4 - 68.6
Louisiana	1,397	56.5	51.6 - 61.1	747	54.5	47.0 - 61.4	650	58.2	51.7 - 64.2
Maine	13	-		-	-		-	-	
Maryland	1,678	65.0	60.6 - 68.9	788	59.1	52.4 - 65.2	890	69.4	64.1 - 74.1
MI - Detroit	1,053	64.5	59.4 - 69.2	532	57.9	49.9 - 65.0	521	68.9	61.3 - 75.4
Minnesota	221	70.7	60.6 - 78.6	133	74.7	62.1 - 83.7 *	88	72.9	57.4 - 83.5
Mississippi	916	57.1	51.4 - 62.4	462	51.7	43.1 - 59.6	454	60.8	53.1 - 67.6
Missouri	662	70.1	63.2 - 76.0	338	65.7	54.5 - 74.8	324	73.6	64.9 - 80.5
Montana	-	-		-	-		-	-	
Nebraska	79	56.3	37.4 - 71.5	41	-		38	81.3	54.5 - 93.2 *
New Hampshire	10	100.0		-	-		-	-	
New Jersey	1,228	59.0	54.3 - 63.5	611	60.2	53.0 - 66.6	617	57.3	51.1 - 63.0
New Mexico	30	-		20	-		10	-	
New York	3,826	62.1	59.6 - 64.5	1,933	57.7	53.8 - 61.3	1,893	66.0	62.7 - 69.1
North Carolina	2,018	64.2	60.4 - 67.8	1,020	59.2	53.4 - 64.5	998	67.7	62.6 - 72.3
North Dakota	-	-		-	-		-	-	
Ohio	1,276	65.8	61.3 - 69.8	681	60.5	54.0 - 66.5	595	69.4	62.9 - 74.9
Oklahoma	246	60.4	49.4 - 69.7	138	52.6	37.7 - 65.4	108	69.2	53.2 - 80.7
Oregon	72	65.1	48.6 - 77.4	48	63.6	45.7 - 77.0 *	24	-	
Pennsylvania	1,533	66.8	62.3 - 71.0	808	64.9	58.0 - 71.0	725	68.2	61.9 - 73.7
Rhode Island	51	73.7	53.1 - 86.3 *	30	-		21	-	
South Carolina	1,083	63.3	58.4 - 67.8	581	57.6	50.1 - 64.3	502	67.3	60.8 - 73.0
South Dakota	-	-		-	-		-	-	
Tennessee	903	63.6	57.5 - 69.1	475	58.7	49.1 - 67.1	428	67.4	59.6 - 74.1
Texas	2,749	64.5	61.2 - 67.7	1,437	59.8	54.5 - 64.7	1,312	68.1	63.5 - 72.2
Utah	22	-		12	-		10	-	
Vermont	-	-		-	-		-	-	
Washington	260	68.7	57.2 - 77.8	142	63.7	50.9 - 74.0	118	71.4	53.8 - 83.3
WA - Seattle	239	70.5	58.3 - 79.7	135	66.3	53.9 - 76.0	104	70.6	51.5 - 83.3
West Virginia	66	61.6	43.8 - 75.2	41	71.2	48.8 - 85.1 *	25	-	
Wisconsin	314	67.4	55.5 - 76.7	162	64.1	49.8 - 75.3	152	66.3	51.9 - 77.3
Wyoming	-	-		-	-		-	-	

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Myeloma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	32,637	55.1	54.2 - 56.0	16,118	53.7	52.3 - 55.0	16,519	56.5	55.3 - 57.7
Alabama	1,057	55.2	50.1 - 59.9	493	47.8	39.9 - 55.4	564	60.3	54.0 - 66.0
Alaska	15	-	-	11	-	-	-	-	-
Arizona	175	60.4	48.5 - 70.4	102	52.7	36.8 - 66.4 *	73	72.8	49.1 - 86.8 *
Arkansas	402	54.5	47.1 - 61.4	204	50.4	40.6 - 59.4	198	60.3	49.8 - 69.3
California	2,096	54.4	50.8 - 57.8	1,149	55.1	50.1 - 59.9	947	53.4	48.2 - 58.4
CA - Greater California	820	53.4	47.0 - 59.3	453	50.3	41.4 - 58.5	367	56.5	47.3 - 64.7
CA - Greater Bay Area	449	58.1	50.0 - 65.3	259	64.7	54.3 - 73.3	190	50.0	38.6 - 60.4
CA - Los Angeles	827	51.1	45.6 - 56.3	437	51.8	44.4 - 58.7	390	49.7	41.9 - 57.0
Colorado	171	61.5	49.4 - 71.5	107	63.4	45.5 - 76.8 *	64	66.1	46.5 - 80.0 *
Connecticut	367	60.7	51.3 - 68.8	191	60.9	49.0 - 70.9	176	54.8	41.9 - 66.0
Delaware	205	51.5	39.8 - 61.9	107	53.4	37.8 - 66.7	98	54.6	38.5 - 68.8 *
Florida	2,941	57.0	54.0 - 59.9	1,475	53.9	49.4 - 58.2	1,466	59.9	55.7 - 63.8
Georgia	2,771	55.9	52.8 - 58.9	1,309	53.4	48.8 - 57.8	1,462	57.7	53.6 - 61.7
Hawaii	21	-	-	13	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,545	55.2	51.0 - 59.1	730	53.7	47.8 - 59.3	815	56.6	50.9 - 61.8
Iowa	68	74.3	51.4 - 87.6 *	29	93.2	74.5 - 98.3 *	39	-	-
Kansas	158	69.1	53.0 - 80.6 *	74	-	-	84	67.7	51.8 - 79.4 *
Kentucky	289	60.7	51.8 - 68.5	159	63.3	50.9 - 73.3	130	59.4	48.0 - 69.0
Louisiana	1,233	49.0	44.1 - 53.7	624	42.9	36.3 - 49.2	609	55.0	48.7 - 60.9
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,444	57.0	52.3 - 61.4	665	54.6	47.7 - 61.0	779	59.6	53.6 - 65.1
MI - Detroit	977	48.9	43.9 - 53.8	471	48.5	41.1 - 55.5	506	48.8	42.1 - 55.2
Minnesota	140	56.0	39.5 - 69.6	76	-	-	64	63.0	43.9 - 77.2
Mississippi	917	44.0	39.3 - 48.7	442	43.8	36.4 - 51.0	475	44.7	38.5 - 50.6
Missouri	616	51.5	44.9 - 57.6	300	50.5	40.9 - 59.3	316	52.2	43.9 - 59.8
Montana	-	-	-	-	-	-	-	-	-
Nebraska	69	61.7	41.7 - 76.6 *	32	-	-	37	-	-
New Hampshire	12	-	-	-	-	-	-	-	-
New Jersey	1,129	53.6	49.0 - 57.9	537	55.3	48.5 - 61.5	592	51.3	44.9 - 57.3
New Mexico	36	-	-	20	-	-	16	-	-
New York	3,444	54.4	51.8 - 56.9	1,654	51.7	47.8 - 55.4	1,790	56.7	53.3 - 60.0
North Carolina	2,169	58.2	54.8 - 61.5	1,093	58.1	53.1 - 62.8	1,076	58.4	53.8 - 62.7
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,111	57.0	52.2 - 61.5	565	54.2	46.9 - 61.0	546	58.2	52.0 - 63.9
Oklahoma	234	52.4	42.3 - 61.5	118	52.3	36.5 - 65.8 *	116	51.9	40.0 - 62.5
Oregon	43	65.2	42.7 - 80.6 *	28	-	-	15	-	-
Pennsylvania	1,292	55.9	51.6 - 59.9	601	56.7	50.6 - 62.4	691	54.9	49.2 - 60.2
Rhode Island	54	78.1	55.0 - 90.3 *	31	-	-	23	-	-
South Carolina	1,338	50.6	46.2 - 54.9	660	50.0	43.5 - 56.1	678	50.6	44.5 - 56.4
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	871	52.3	46.6 - 57.7	422	51.2	42.7 - 59.2	449	51.8	44.1 - 59.0
Texas	2,599	54.3	51.2 - 57.4	1,273	52.1	47.5 - 56.5	1,326	56.0	51.6 - 60.1
Utah	25	-	-	17	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	208	55.6	45.0 - 65.0	122	62.3	47.3 - 74.2	86	50.2	34.2 - 64.3 *
WA - Seattle	182	59.9	48.4 - 69.6	104	65.2	48.4 - 77.7	78	54.1	36.3 - 68.8 *
West Virginia	60	-	-	30	-	-	30	-	-
Wisconsin	309	60.4	50.6 - 68.9	156	54.9	41.6 - 66.4	153	64.9	50.7 - 75.9
Wyoming	-	-	-	-	-	-	-	-	-

- All statistics are suppressed when fewer than 10 cases were reported for the specific cancer. Survival statistics are suppressed when the standard error was greater than or equal to 10% or the difference between the upper and lower confidence intervals was greater than 40%.

* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Leukemias**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	24,816	49.6	48.6 - 50.6	13,211	50.4	49.0 - 51.8	11,605	48.7	47.4 - 50.1
Alabama	716	47.9	42.3 - 53.4	382	50.2	42.3 - 57.7	334	45.0	37.5 - 52.2
Alaska	14	-	-	10	-	-	-	-	-
Arizona	128	42.6	31.5 - 53.3	65	49.1	33.4 - 63.1 *	63	44.8	28.7 - 59.6 *
Arkansas	283	50.8	40.1 - 60.6	157	48.3	36.8 - 58.9	126	45.1	30.4 - 58.6
California	1,712	50.9	47.4 - 54.3	987	53.6	48.9 - 58.0	725	46.7	41.5 - 51.8
CA - Greater California	687	52.2	46.9 - 57.3	422	54.7	47.5 - 61.3	265	46.8	38.8 - 54.3
CA - Greater Bay Area	359	48.6	40.8 - 56.0	206	50.1	39.7 - 59.6	153	45.5	33.7 - 56.5
CA - Los Angeles	667	49.1	43.8 - 54.1	359	51.7	44.4 - 58.4	308	44.1	35.8 - 52.0
Colorado	128	55.4	43.5 - 65.7	77	54.8	38.1 - 68.8 *	51	68.1	46.9 - 82.3 *
Connecticut	250	43.3	36.6 - 49.8	133	43.2	34.0 - 52.0	117	43.2	33.9 - 52.2
Delaware	141	49.2	38.1 - 59.4 *	76	47.4	31.7 - 61.5 *	65	39.8	25.2 - 54.1
Florida	2,376	52.0	48.6 - 55.3	1,257	50.6	45.6 - 55.4	1,119	53.0	48.4 - 57.5
Georgia	1,995	48.4	44.8 - 51.9	1,035	48.4	43.4 - 53.2	960	48.3	43.2 - 53.2
Hawaii	18	-	-	12	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,279	47.6	43.6 - 51.6	670	47.9	42.1 - 53.5	609	46.8	41.1 - 52.2
Iowa	62	71.9	55.0 - 83.4 *	40	67.1	45.8 - 81.6 *	22	-	-
Kansas	145	43.5	30.3 - 55.9	77	46.4	26.8 - 63.9 *	68	53.3	36.5 - 67.5 *
Kentucky	272	48.4	38.3 - 57.7	144	49.1	36.0 - 61.0	128	45.6	31.3 - 58.9 *
Louisiana	985	48.8	44.0 - 53.4	537	53.1	46.5 - 59.3	448	42.2	35.7 - 48.5
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,111	49.4	44.9 - 53.7	557	48.0	41.6 - 54.2	554	50.6	44.1 - 56.7
MI - Detroit	776	50.9	45.8 - 55.7	395	53.6	46.1 - 60.6	381	46.8	40.0 - 53.3
Minnesota	135	53.3	40.6 - 64.4	86	54.9	40.3 - 67.3 *	49	68.0	49.2 - 81.1 *
Mississippi	694	40.7	35.1 - 46.3	389	48.4	41.3 - 55.0 *	305	40.6	32.5 - 48.4
Missouri	511	46.4	40.3 - 52.3	257	38.5	30.3 - 46.6	254	51.8	43.4 - 59.5
Montana	-	-	-	-	-	-	-	-	-
Nebraska	54	63.9	48.0 - 76.1 *	29	-	-	25	67.7	45.1 - 82.6 *
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	897	50.1	45.2 - 54.9	486	55.1	47.6 - 62.0	411	43.8	37.1 - 50.3
New Mexico	31	-	-	16	-	-	15	-	-
New York	2,468	45.4	42.5 - 48.3	1,255	44.7	40.5 - 48.8	1,213	45.9	41.8 - 49.8
North Carolina	1,511	51.0	47.0 - 54.8	822	51.0	45.5 - 56.3	689	50.2	44.5 - 55.6
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	812	49.8	44.5 - 54.8	421	49.7	41.6 - 57.2	391	50.4	43.7 - 56.8
Oklahoma	217	47.0	36.2 - 57.0	124	51.7	35.3 - 65.8 *	93	39.8	25.4 - 53.8
Oregon	51	31.8	15.2 - 49.9 *	31	-	-	20	-	-
Pennsylvania	936	46.4	41.7 - 51.0	471	44.2	37.7 - 50.6	465	47.0	40.4 - 53.3
Rhode Island	42	-	-	25	-	-	17	-	-
South Carolina	852	47.3	42.6 - 51.9	428	46.5	39.7 - 53.1	424	48.0	41.4 - 54.3
South Dakota	-	-	-	-	-	-	-	-	-
Tennessee	638	47.7	42.0 - 53.2	327	47.1	38.6 - 55.2	311	47.1	39.4 - 54.4
Texas	2,011	52.4	48.5 - 56.1	1,099	51.4	46.0 - 56.6	912	52.0	46.5 - 57.2
Utah	12	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Washington	185	50.7	40.5 - 60.0	115	50.1	39.5 - 59.8	70	-	-
WA - Seattle	185	47.2	37.6 - 56.1	114	49.0	38.6 - 58.6	71	-	-
West Virginia	65	36.5	18.3 - 55.0 *	40	-	-	25	-	-
Wisconsin	276	56.8	46.4 - 65.9	155	52.3	39.0 - 64.0	121	58.7	43.9 - 70.8
Wyoming	-	-	-	-	-	-	-	-	-

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¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2011-2017
Complete Method, Follow-Up Through 2017 by Registry, Black, Mesothelioma**

Registry	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
NAACCR U.S. Combined	944	16.5	13.5 - 19.8	671	11.0	7.7 - 15.0	273	24.7	19.4 - 30.4
Alabama	30	7.4	1.3 - 21.1 *	20	0.0		10	-	
Alaska	-	-		-	-		-	-	
Arizona	-	-		-	-		-	-	
Arkansas	-	-		-	-		-	-	
California	87	14.7	6.9 - 25.4 *	70	15.8	6.9 - 27.9 *	17	-	
CA - Greater California	34	20.5	6.9 - 39.1 *	31	13.7	2.6 - 33.7 *	-	-	
CA - Greater Bay Area	21	0.0		15	0.0		-	-	
CA - Los Angeles	32	16.7	4.8 - 34.7 *	24	-		-	-	
Colorado	-	-		-	-		-	-	
Connecticut	-	-		-	-		-	-	
Delaware	-	-		-	-		-	-	
Florida	59	12.5	4.3 - 25.2 *	43	-		16	13.2	2.1 - 34.3 *
Georgia	44	17.3	6.5 - 32.4 *	28	-		16	-	
Hawaii	-	-		-	-		-	-	
Idaho	-	-		-	-		-	-	
Illinois	39	20.8	8.4 - 36.9 *	29	5.7	0.4 - 22.4 *	10	-	
Iowa	-	-		-	-		-	-	
Kansas	-	-		-	-		-	-	
Kentucky	-	-		-	-		-	-	
Louisiana	84	7.6	3.6 - 13.8	57	8.0	3.1 - 15.9	27	9.5	0.7 - 32.9 *
Maine	-	-		-	-		-	-	
Maryland	39	24.7	9.0 - 44.3 *	23	0.0		16	-	
MI - Detroit	22	-		14	-		-	-	
Minnesota	-	-		-	-		-	-	
Mississippi	33	-		25	0.0		-	-	
Missouri	13	-		-	-		-	-	
Montana	-	-		-	-		-	-	
Nebraska	-	-		-	-		-	-	
New Hampshire	-	-		-	-		-	-	
New Jersey	43	9.3	1.0 - 29.6 *	24	0.0		19	10.6	0.7 - 36.4 *
New Mexico	-	-		-	-		-	-	
New York	82	12.1	4.7 - 23.3	59	4.1	0.5 - 14.5	23	-	
North Carolina	43	29.0	15.2 - 44.5 *	25	21.1	6.7 - 40.8 *	18	-	
North Dakota	-	-		-	-		-	-	
Ohio	53	-		38	-		15	-	
Oklahoma	10	-		-	-		-	-	
Oregon	-	-		-	-		-	-	
Pennsylvania	46	16.4	5.5 - 32.5 *	32	13.6	2.8 - 33.0 *	14	-	
Rhode Island	-	-		-	-		-	-	
South Carolina	34	-		28	-		-	-	
South Dakota	-	-		-	-		-	-	
Tennessee	17	15.3	2.7 - 37.6 *	10	0.0		-	-	
Texas	82	23.3	13.3 - 35.0	63	11.9	2.8 - 28.1 *	19	-	
Utah	-	-		-	-		-	-	
Vermont	-	-		-	-		-	-	
Washington	-	-		-	-		-	-	
WA - Seattle	-	-		-	-		-	-	
West Virginia	-	-		-	-		-	-	
Wisconsin	16	-		11	-		-	-	
Wyoming	-	-		-	-		-	-	

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* Relative survival ratio (RSR) and confidence interval (CI) values are not age-standardized.

¹ Abbreviations: RSR – Relative Survival Ratio; CI – Confidence Interval