

2013-2017: CANCER IN NORTH AMERICA

Volume Four: Cancer Survival in the United States and Canada 2010-2016



North American Association of Central Cancer Registries, Inc.

- PARTICIPATING REGISTRIES
- NOT PARTICIPATING

EXECUTIVE SUMMARY: Cancer in North America: 2013-2017

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. NAACCR issues an annual call for data, and the member registries data submissions are combined and used to create the CiNA Monograph and other useful CiNA products for data analyses and cancer incidence information (e.g., NAACCR FastStats on-line query system, NAACCR 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, with standard data quality metrics reported for all contributors.

In May of 2020, NAACCR released a five volume monograph, Cancer in North America (CiNA): 2013-2017. This release is the 30th publication of the series and the 28th release that includes statistics for both Canada and the United States (U.S.). This year's publication includes 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 site, sex, race, ethnicity, and stage, including pediatric cancer and cancer by stage at diagnosis from the 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 are presented.

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 61 registries on more than 13 million cases diagnosed among North Americans between 2010 and 2016.

Volume Five: Cancer Prevalence in the United States and Canada

Includes cancer prevalence estimates for the U.S. and Canada from 61 registries on more than 18 million cases diagnosed among North Americans between 2007 and 2016.

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 fine 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: 2013-2017, 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 June 2020

CANCER IN NORTH AMERICA: 2013-2017

VOLUME FOUR: CANCER SURVIVAL IN THE UNITED STATES AND CANADA 2010-2016

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

Editors:

Chris Johnson, Cancer Data Registry of Idaho
Reda Wilson, U.S. Centers for Disease Control and Prevention
Recinda Sherman, NAACCR Inc.
Rick Firth, Information Management Services, Inc.
Mary Charlton, State Health Registry of Iowa
Prithwish De, Ontario Cancer Registry at Cancer Care Ontario
Don Green, Information Management Services, Inc.
Brenda Hofer, California Cancer Registry
Jim Hofferkamp, NAACCR, Inc.
Mei-Chin Hsieh, Louisiana Tumor Registry
Betsy Kohler, NAACCR, Inc.
Bozena Morawski, Cancer Data Registry of Idaho
Sarah Nash, SEER Alaska Native Tumor Registry
Baozhen Qiao, New York State Cancer Registry
Hannah Weir, U.S. Centers for Disease Control and Prevention



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Section I

Introduction and Technical Notes



Cancer in North America: 2013-2017, 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 CiNA Volumes. This year marks the 30th annual release of the series of Cancer in North America (CiNA) monographs; and the 28th year CiNA has included data from both the U.S. and Canada. The *2020 CiNA Survival Monograph* includes data from 9 of 13 Canadian provinces/territories and 47 of 51 states/District of Columbia. The data in *CiNA Survival* reflect about 94% population coverage for the U. S. and 77% 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., NAACCR FastStats 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.naaccr.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 timely, complete, and accurate data 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 production of the monograph. The objective of this work is to provide timely and useful information on cancer burden 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 the high quality registries in the U. S. and Canada.

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Includes cancer survival data for the U.S. and Canada from 61 registries on more than 13 million cases diagnosed among North Americans between 2010 and 2016.

Volume Five: Cancer Prevalence in the United States and Canada

Includes cancer prevalence estimates for the U.S. and Canada from 61 registries on more than 18 million cases diagnosed among North Americans between 2007 and 2016.

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.naacr.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 30 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 prevalence data presented in *CiNA Survival* includes data from 61 registries (which represent 9 Canadian provinces/territories, 47 U.S. states and D.C, and 5 regional SEER registries) on more than 13 million cases diagnosed among North Americans between 2010 and 2016 and represents 94% population coverage in the U.S. and 77% 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 2010-2016, United States, Canada and North America

Includes counts, relative survival ratios, and confidence intervals for the U. S., Canada, and North America combined. These statistics are presented for all races by sex and for select cancer sites. The tables for each cancer site present statistics by a total, 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 2010-2016, by Registry and Race

Includes counts, relative survival ratios, and confidence intervals by registry and sex for select cancer sites. Survival statistics are available for the U. S. and Canadian registries by 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: 2013–2017, 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, 2016). For the November 2019 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, 2017 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 2019 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 2010-2016 with follow-up through the end of 2016. Using information from the NAACCR Call for Data Follow-Up Activities Form, follow-up through 2016 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 9 of 13 Canadian provinces/territories and 47 of 51 states/District of Columbia. National population coverage by *CiNA Survival* is about 94% for the U. S. and 77% 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 61 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, Michigan and Washington were not included in the NAACCR U.S. combined or NAACCR North American statistics.

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 2010-2016 with follow-up/death ascertainment through the study cutoff date of December 31, 2016.^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 2010-2016, 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 primary site category, but different age groups at diagnosis, the first in each age group was used in the age-

^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.

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 8.3.6) 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, New York, and Wyoming), 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, 2016, 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. Because unabridged life tables were not available for this jurisdiction from Statistics Canada, modeled life tables from CONCORD-2 were utilized instead.⁹ 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).¹¹ 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 (Standardized)” 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 (Standardized)” 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.¹²⁻¹⁴ 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.¹¹ There are more cases included in the “All Sites (Standardized)” 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 (Standardized)”. The confidence intervals for “All Sites (Standardized)” 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 (Standardized)” estimate was suppressed.

For tables presenting RSRs by stage, SEER Summary Stage 2000 was used for diagnosis years 2015-2016 and Derived Summary Stage for 2010-2014.^{15,16} 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.¹⁷ 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.¹⁷ 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.

REFERENCES

1. For coding and other general technical information, Cancer in North America: 2013-2017, Volume One: Combined Cancer Incidence for the United States, Canada, and North America, <https://www.naaccr.org/cancer-in-north-america-cina-volumes/#Vol1>
2. November 2019 SEER follow-up standards <https://seer.cancer.gov/tools/seer.nov19instructions.pdf>, page B-1.
3. Weir HK, Johnson CJ, Mariotto AB, Turner D, Wilson RJ, Nishri D, Ward KC. Evaluation of NAACCR Cancer in North America data for use in population-based cancer survival studies. J Natl Cancer Inst Monogr. 2014 Nov;2014(49):198-209. doi: 10.1093/jncimonographs/lgu018.
4. SEER Behavior Code for Analysis. <http://seer.cancer.gov/behavrecode/>.
5. SEER 2007 Multiple Primary and Histology Coding Rules. <http://seer.cancer.gov/tools/mphrules/>.
6. SEER*Stat version 8.3.6; produced by the Surveillance Research Program of the Division of Cancer Control and Population Sciences, National Cancer Institute, and Information Management Services, Inc., Calverton, MD.
7. Surveillance, Epidemiology and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: NAACCR Incidence Data - CiNA Production File, 1995-2017, for U.S. and CDN - Survival & Prevalence (which includes data from CDC’s National Program of Cancer Registries (NPCR), CCCR’s Provincial and Territorial Registries, and the NCI’s Surveillance, Epidemiology and End Results (SEER) Registries), certified by the North American Association of Central Cancer Registries (NAACCR) as meeting high-quality incidence data standards for the specified time periods, submitted December 2019. (SEER*Stat Database ID 41462).
8. Ederer F, Heise H (1959). Instructions to IBM 650 programmers in processing survival computations, methodological note 10. End Results Evaluation Section, National Cancer Institute.
9. Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Expected Survival - U.S. by SES/geography/race (NHW,NHB,NHAIAN,NHAPI,HISP) and Canada 1995-2016, Ages 0-99, State-county (modeled by varied state-county-ses), National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch. (SEER*Stat Database ID 02095; available upon request).
10. Allemani C, Weir HK, Carreira H, Harewood R, Spika D, Wang XS, Bannon F, Ahn JV, Johnson CJ, Bonaventure A et al. (2014). Global surveillance of cancer survival 1995-2009: analysis of individual data

for 25 676 887 patients from 279 population-based registries in 67 countries (CONCORD-2). *Lancet*. ISSN 0140-6736 DOI: 10.1016/S0140-6736(14)62038-9.

11. Corazziari I, Quinn M, Capocaccia R. Standard cancer patient population for age standardising survival ratios. *Eur J Cancer*. 2004 Oct;40(15):2307-16.
12. Verdecchia A, Baili P, Quaglia A, Kunkler I, Ciampichini R, Berrino F, Micheli A. Patient survival for all cancers combined as indicator of cancer control in Europe. *Eur J Public Health*. 2008 Oct;18(5):527-32. doi: 10.1093/eurpub/ckn022. Epub 2008 Apr 15.
13. Quaresma M, Coleman MP, Rachet B. 40-year trends in an index of survival for all cancers combined and survival adjusted for age and sex for each cancer in England and Wales, 1971-2011: a population-based study. *Lancet*. 2015 Mar 28;385(9974):1206-18. doi: 10.1016/S0140-6736(14)61396-9. Epub 2014 Dec 3.
14. Morawski BM, Weir HK, Johnson CJ. Five-Year U.S. Trends in the North American Cancer Survival Index, 2005-2014. *Am J Prev Med*. 2020; 58(3):453-56. doi: 10.1016/j.amepre.2019.10.001.
15. Adamo M, Dickie, L, Ruhl J. (January 2016). SEER Program Coding and Staging Manual 2016. National Cancer Institute, Bethesda, MD 20850-9765. U.S. Department of Health and Human Services, National Institutes of Health, National Cancer Institute. Available at: https://seer.cancer.gov/manuals/2016/SPCSM_2016_maindoc.pdf.
16. Collaborative Stage Work Group of the American Joint Committee on Cancer. Collaborative Stage Data Collection System Coding Instructions, version 02.05, released October 2013. Available at: <https://cancerstaging.org/cstage/software/Pages/Version-02.05.aspx>.
17. Pinheiro PS, Morris CR, Liu L, Bungum TJ, Altekruse SF. The impact of follow-up type and missed deaths on population-based cancer survival studies for Hispanics and Asians. *J Natl Cancer Inst Monogr*. 2014 Nov;2014(49):210-7. doi: 10.1093/jncimonographs/igu016.
18. Johnson CJ, Weir HK, Yin D, Niu X. The impact of patient follow-up on population-based survival rates. *J Registry Manag*. 2010; 37(3): 86-103.



Section II

Five Year Age-Standardized Relative Survival Ratios for Cancers Diagnosed 2010-2016, United States, Canada and North America



**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 for All Sites (invasive)**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Subgroup									
Total	9,854,243	64.3	64.2 - 64.3	4,970,834	63.1	63.1 - 63.2	4,883,409	65.1	65.0 - 65.2
Total (Standardized ²)	10,320,990	64.9	64.8 - 64.9	5,246,418	64.0	63.9 - 64.0	5,074,572	65.8	65.7 - 65.9
Race									
White	8,229,543	64.7	64.7 - 64.8	4,158,856	63.2	63.2 - 63.3	4,070,687	66.0	65.9 - 66.1
White (Standardized)	8,634,160	65.3	65.3 - 65.4	4,399,145	64.2	64.2 - 64.3	4,235,015	66.5	66.4 - 66.6
Black	1,111,547	58.2	58.1 - 58.4	561,676	59.2	59.0 - 59.5	549,871	56.7	56.5 - 56.9
Black (Standardized)	1,159,099	58.2	58.0 - 58.4	589,303	57.9	57.6 - 58.2	569,796	58.5	58.3 - 58.7
Stage									
Localized (incl. <i>in situ</i> bladder)	4,713,313	88.0	88.0 - 88.1	2,383,143	87.5	87.4 - 87.5	2,330,170	88.4	88.3 - 88.5
Regional	2,156,034	60.2	60.1 - 60.3	982,684	55.8	55.7 - 56.0	1,173,350	63.7	63.5 - 63.8
Distant	2,591,857	28.9	28.8 - 29.0	1,387,765	28.2	28.1 - 28.4	1,204,092	29.7	29.6 - 29.8
Unstaged	749,850	44.3	44.1 - 44.4	415,327	46.9	46.7 - 47.1	334,523	40.8	40.5 - 41.0
Age Group*									
15-44	786,499	83.3	83.2 - 83.4	286,683	78.9	78.7 - 79.0	499,816	85.9	85.8 - 86.0
45-54	1,311,142	74.0	73.9 - 74.1	564,161	68.5	68.4 - 68.7	746,981	78.3	78.1 - 78.4
55-64	2,474,027	68.9	68.9 - 69.0	1,322,640	67.2	67.1 - 67.3	1,151,387	71.0	70.9 - 71.1
65-74	2,775,382	65.3	65.2 - 65.4	1,544,982	66.0	65.9 - 66.1	1,230,400	64.4	64.3 - 64.5
75+	2,579,942	50.9	50.8 - 51.0	1,294,255	51.1	50.9 - 51.2	1,285,687	50.7	50.5 - 50.8

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Subgroup									
Total	941,232	64.7	64.6 - 64.8	476,341	63.8	63.6 - 64.0	464,891	65.3	65.1 - 65.5
Total (Standardized ²)	992,755	64.7	64.5 - 64.8	506,570	63.8	63.6 - 64.0	486,185	65.6	65.4 - 65.8
Stage									
Localized (incl. <i>in situ</i> bladder)	291,219	92.1	91.9 - 92.4	142,262	92.4	92.1 - 92.7	148,957	91.6	91.3 - 91.9
Regional	161,544	67.9	67.5 - 68.2	70,084	66.1	65.5 - 66.6	91,460	69.0	68.6 - 69.5
Distant	225,188	33.2	32.9 - 33.4	126,583	35.2	34.8 - 35.6	98,605	30.6	30.2 - 31.0
Unstaged	306,130	55.5	55.2 - 55.7	161,282	53.6	53.3 - 54.0	144,848	57.5	57.1 - 57.8
Age Group*									
15-44	69,535	85.4	85.1 - 85.8	25,369	82.3	81.8 - 82.9	44,166	87.2	86.8 - 87.6
45-54	116,222	77.2	76.9 - 77.5	47,055	72.0	71.5 - 72.5	69,167	80.7	80.3 - 81.1
55-64	221,768	70.8	70.6 - 71.1	115,763	69.1	68.8 - 69.5	106,005	72.7	72.3 - 73.0
65-74	261,994	65.4	65.1 - 65.7	146,689	65.9	65.6 - 66.3	115,305	64.7	64.4 - 65.1
75+	279,698	49.0	48.7 - 49.3	145,924	49.5	49.0 - 49.9	133,774	48.4	48.0 - 48.9

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
Subgroup									
Total	10,795,475	64.3	64.2 - 64.3	5,447,175	63.2	63.1 - 63.2	5,348,300	65.1	65.1 - 65.2
Total (Standardized ²)	11,313,745	64.8	64.8 - 64.9	5,752,988	64.0	63.9 - 64.0	5,560,757	65.8	65.7 - 65.9
Stage									
Localized (incl. <i>in situ</i> bladder)	5,004,532	88.3	88.2 - 88.4	2,525,405	87.8	87.7 - 87.8	2,479,127	88.6	88.5 - 88.7
Regional	2,317,578	60.7	60.6 - 60.8	1,052,768	56.6	56.4 - 56.7	1,264,810	64.1	64.0 - 64.2
Distant	2,817,045	29.2	29.1 - 29.3	1,514,348	28.8	28.7 - 28.9	1,302,697	29.8	29.7 - 29.9
Unstaged	1,055,980	47.6	47.5 - 47.8	576,609	49.0	48.8 - 49.2	479,371	45.9	45.7 - 46.1
Age Group*									
15-44	856,034	83.5	83.4 - 83.6	312,052	79.1	79.0 - 79.3	543,982	86.0	85.9 - 86.1
45-54	1,427,364	74.3	74.2 - 74.4	611,216	68.8	68.6 - 68.9	816,148	78.5	78.3 - 78.6
55-64	2,695,795	69.1	69.0 - 69.2	1,438,403	67.3	67.2 - 67.4	1,257,392	71.1	71.0 - 71.2
65-74	3,037,376	65.3	65.2 - 65.4	1,691,671	66.0	65.9 - 66.1	1,345,705	64.4	64.3 - 64.5
75+	2,859,640	50.7	50.6 - 50.8	1,440,179	50.9	50.7 - 51.1	1,419,461	50.5	50.3 - 50.6

- 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

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

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	271,472	60.8	60.5 - 61.1	193,493	59.8	59.3 - 60.2	77,979	63.3	62.8 - 63.9
Race									
White	233,602	62.2	61.9 - 62.5	167,671	61.3	60.9 - 61.8	65,931	64.3	63.7 - 64.9
Black	24,204	44.5	43.3 - 45.6	16,758	41.3	39.9 - 42.8	7,446	51.1	49.2 - 53.0
Stage									
Localized	84,408	77.7	77.2 - 78.3	51,259	76.4	75.6 - 77.1	33,149	80.1	79.3 - 80.9
Regional	128,996	58.5	58.0 - 59.0	99,265	59.4	58.8 - 60.0	29,731	55.9	55.0 - 56.8
Distant	45,047	35.2	34.6 - 35.9	34,076	34.8	34.0 - 35.7	10,971	36.1	34.9 - 37.4
Unstaged	17,356	50.1	49.0 - 51.2	11,886	48.2	46.8 - 49.6	5,470	54.2	52.3 - 56.1
Age Group*									
15-44	17,683	79.5	78.7 - 80.2	10,925	76.4	75.4 - 77.4	6,758	84.4	83.3 - 85.5
45-54	48,899	69.4	68.9 - 69.9	36,519	68.5	67.9 - 69.1	12,380	72.0	71.0 - 73.0
55-64	85,948	64.8	64.4 - 65.3	65,902	63.9	63.3 - 64.4	20,046	67.9	67.0 - 68.8
65-74	67,884	60.0	59.4 - 60.6	49,290	58.9	58.2 - 59.5	18,594	63.0	61.9 - 64.0
75+	52,004	50.4	49.6 - 51.3	31,493	49.8	48.6 - 50.9	20,511	51.3	50.1 - 52.6

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹
Total	23,724	60.5	59.5 - 61.5	16,476	59.3	58.0 - 60.6	7,248	63.1	61.5 - 64.7
Stage									
Localized	2,048	84.9	81.4 - 87.7	1,293	83.1	78.5 - 86.7	755	87.8	82.2 - 91.7
Regional	2,698	57.7	54.4 - 60.8	1,991	57.5	53.2 - 61.5	707	58.4	53.5 - 62.9
Distant	1,599	35.4	31.9 - 38.8	1,191	35.0	31.1 - 39.0	408	33.7	27.1 - 40.5
Unstaged	17,459	59.7	58.6 - 60.9	12,059	58.4	56.9 - 59.9	5,400	62.2	60.3 - 64.0
Age Group*									
15-44	1,561	83.6	81.2 - 85.7	957	79.9	76.5 - 82.8	604	89.7	86.2 - 92.4
45-54	4,055	74.1	72.3 - 75.8	2,972	73.0	70.8 - 75.0	1,083	77.2	73.9 - 80.1
55-64	7,109	66.6	65.0 - 68.1	5,392	65.4	63.6 - 67.1	1,717	70.3	67.2 - 73.2
65-74	5,866	59.0	57.0 - 60.9	4,166	58.2	55.8 - 60.5	1,700	60.7	57.3 - 63.9
75+	5,212	46.1	43.6 - 48.6	3,045	45.0	41.6 - 48.3	2,167	47.5	43.9 - 51.1

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
Total	295,196	60.8	60.5 - 61.1	209,969	59.7	59.3 - 60.1	85,227	63.3	62.8 - 63.8
Stage									
Localized	86,456	77.9	77.4 - 78.5	52,552	76.6	75.8 - 77.3	33,904	80.3	79.5 - 81.1
Regional	131,694	58.5	58.0 - 59.0	101,256	59.3	58.7 - 59.9	30,438	55.9	55.1 - 56.8
Distant	46,646	35.3	34.6 - 35.9	35,267	34.9	34.1 - 35.7	11,379	36.0	34.8 - 37.3
Unstaged	34,815	55.0	54.2 - 55.8	23,945	53.4	52.3 - 54.4	10,870	58.3	57.0 - 59.6
Age Group*									
15-44	19,244	79.8	79.1 - 80.5	11,882	76.7	75.7 - 77.6	7,362	84.9	83.8 - 85.9
45-54	52,954	69.8	69.3 - 70.3	39,491	68.9	68.3 - 69.5	13,463	72.5	71.5 - 73.4
55-64	93,057	64.9	64.5 - 65.4	71,294	64.0	63.5 - 64.5	21,763	68.1	67.3 - 69.0
65-74	73,750	59.9	59.4 - 60.5	53,456	58.8	58.1 - 59.5	20,294	62.8	61.8 - 63.8
75+	57,216	50.0	49.2 - 50.8	34,538	49.3	48.3 - 50.4	22,678	51.0	49.8 - 52.2

- 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 2010-2016
Complete Method, Follow-Up Through 2016 for Esophagus**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	107,398	20.4	20.0 - 20.7	84,729	19.7	19.3 - 20.1	22,669	23.2	22.4 - 24.0
<i>Race</i>									
White	93,295	21.0	20.6 - 21.4	74,679	20.4	20.0 - 20.9	18,616	23.9	23.0 - 24.9
Black	10,546	13.2	12.2 - 14.2	7,324	11.2	10.1 - 12.4	3,222	17.3	15.5 - 19.3
<i>Stage</i>									
Localized	20,407	47.3	46.2 - 48.4	15,610	48.3	47.1 - 49.6	4,797	43.8	41.7 - 46.0
Regional	35,773	24.7	24.0 - 25.4	28,131	23.8	23.0 - 24.6	7,642	28.3	26.8 - 29.8
Distant	38,215	5.0	4.7 - 5.4	31,559	4.6	4.2 - 5.0	6,656	7.0	6.1 - 7.9
Unstaged	13,292	15.4	14.5 - 16.4	9,636	14.4	13.3 - 15.6	3,656	18.3	16.4 - 20.4
<i>Age Group*</i>									
15-44	2,395	25.1	22.9 - 27.3	1,921	22.0	19.7 - 24.5	474	37.5	32.4 - 42.5
45-54	11,391	21.7	20.8 - 22.7	9,233	20.6	19.5 - 21.6	2,158	26.8	24.5 - 29.3
55-64	29,763	21.4	20.8 - 22.0	24,601	20.8	20.1 - 21.5	5,162	24.2	22.7 - 25.9
65-74	33,331	23.0	22.3 - 23.6	26,976	22.3	21.6 - 23.0	6,355	25.8	24.3 - 27.9
75+	30,582	15.2	14.6 - 15.9	22,048	15.4	14.5 - 16.2	8,534	14.9	13.7 - 16.1

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	10,624	17.0	15.9 - 18.0	8,094	16.5	15.3 - 17.8	2,530	18.3	16.2 - 20.6
<i>Stage</i>									
Localized	480	37.7	30.8 - 44.6	365	38.8	30.6 - 46.9	115	34.9	23.9 - 46.1
Regional	787	21.3	17.1 - 25.9	600	20.4	15.8 - 25.5*	187	26.5	18.6 - 35.2*
Distant	1,414	5.1	3.6 - 6.8	1,173	5.0	3.5 - 7.0	241	-	
Unstaged	7,947	17.4	16.2 - 18.7	5,958	17.2	15.8 - 18.7	1,989	18.3	15.8 - 20.9
<i>Age Group*</i>									
15-44	193	27.1	20.0 - 34.7	154	25.3	17.3 - 34.2	39	31.9	17.5 - 47.2
45-54	1,039	20.2	17.2 - 23.4	841	19.9	16.6 - 23.5	198	21.8	14.8 - 29.8
55-64	2,829	19.2	17.3 - 21.1	2,279	18.6	16.5 - 20.7	550	21.8	17.7 - 26.3
65-74	3,151	17.4	15.5 - 19.3	2,481	17.2	15.1 - 19.3	670	18.1	14.2 - 22.4
75+	3,429	11.0	9.4 - 12.7	2,353	10.7	8.8 - 12.9	1,076	11.1	8.5 - 14.0

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	118,022	20.1	19.7 - 20.4	92,823	19.4	19.0 - 19.8	25,199	22.7	22.0 - 23.5
<i>Stage</i>									
Localized	20,887	47.1	46.0 - 48.2	15,975	48.1	46.9 - 49.4	4,912	43.6	41.5 - 45.7
Regional	36,560	24.7	24.0 - 25.4	28,731	23.7	23.0 - 24.5	7,829	28.2	26.7 - 29.7
Distant	39,629	5.1	4.7 - 5.4	32,732	4.6	4.3 - 5.0	6,897	6.9	6.1 - 7.8
Unstaged	21,239	16.2	15.4 - 17.0	15,594	15.5	14.6 - 16.4	5,645	18.3	16.8 - 19.9
<i>Age Group*</i>									
15-44	2,588	25.2	23.2 - 27.4	2,075	22.3	20.1 - 24.6	513	37.0	32.1 - 41.8
45-54	12,430	21.6	20.7 - 22.5	10,074	20.5	19.5 - 21.5	2,356	26.3	24.1 - 28.6
55-64	32,592	21.2	20.6 - 21.8	26,880	20.6	20.0 - 21.3	5,712	24.0	22.5 - 25.5
65-74	36,482	22.5	21.9 - 23.1	29,457	21.9	21.2 - 22.5	7,025	25.0	23.6 - 26.5
75+	34,011	14.8	14.2 - 15.5	24,401	14.9	14.2 - 15.7	9,610	14.5	13.4 - 15.6

- 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 2010-2016
Complete Method, Follow-Up Through 2016 for Stomach**

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
Total	153,336	33.3	32.9 - 33.6	95,096	29.8	29.4 - 30.2	58,240	39.2	38.6 - 39.8
Race									
White	114,922	32.3	32.0 - 32.7	73,168	28.9	28.4 - 29.4	41,754	38.6	38.0 - 39.3
Black	24,435	33.5	32.6 - 34.3	13,905	28.6	27.4 - 29.7	10,530	40.2	38.8 - 41.5
Stage									
Localized	45,021	70.1	69.5 - 70.8	25,202	65.8	64.8 - 66.7	19,819	75.7	74.7 - 76.6
Regional	39,704	30.7	30.1 - 31.4	26,727	29.9	29.1 - 30.7	12,977	32.5	31.4 - 33.7
Distant	51,522	6.6	6.3 - 6.9	33,788	6.3	5.9 - 6.7	17,734	7.1	6.5 - 7.6
Unstaged	17,622	28.8	27.8 - 29.8	9,687	23.3	22.0 - 24.5	7,935	36.2	34.7 - 37.8
Age Group*									
15-44	8,930	39.4	38.1 - 40.7	4,681	33.8	32.1 - 35.5	4,249	45.5	43.7 - 47.3
45-54	17,955	36.9	36.0 - 37.8	11,073	32.3	31.1 - 33.4	6,882	44.6	43.1 - 46.1
55-64	33,938	36.4	35.7 - 37.1	22,565	32.4	31.6 - 33.2	11,373	44.6	43.4 - 45.8
65-74	41,801	35.3	34.7 - 36.0	27,498	31.5	30.7 - 32.3	14,303	42.5	41.4 - 43.6
75+	50,825	25.7	25.1 - 26.3	29,336	24.0	23.2 - 24.9	21,489	27.9	26.9 - 28.9

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹
Total	17,786	30.0	29.1 - 31.0	11,554	28.8	27.6 - 30.0	6,232	32.6	31.0 - 34.2
Stage									
Localized	977	66.4	62.0 - 70.5	612	66.7	60.7 - 72.0	365	65.4	58.6 - 71.4
Regional	1,191	31.7	27.9 - 35.4	846	31.7	27.4 - 36.0	345	30.3	22.4 - 38.6
Distant	2,019	3.3	2.2 - 4.9 *	1,376	3.6	2.4 - 5.3	643	2.6	1.1 - 5.3 *
Unstaged	13,608	31.2	30.1 - 32.3	8,722	29.8	28.4 - 31.2	4,886	34.1	32.3 - 35.9
Age Group*									
15-44	762	39.9	35.7 - 44.0	407	39.4	33.7 - 45.1	355	40.4	34.3 - 46.4
45-54	1,803	35.3	32.6 - 38.0	1,161	32.2	28.9 - 35.5	642	40.8	36.3 - 45.2
55-64	3,615	30.4	28.5 - 32.4	2,499	28.0	25.7 - 30.4	1,116	35.5	32.0 - 39.1
65-74	4,792	32.5	30.6 - 34.3	3,325	31.2	29.1 - 33.4	1,467	35.1	31.9 - 38.4
75+	6,846	22.8	21.2 - 24.4	4,186	23.0	20.9 - 25.2	2,660	22.3	19.9 - 24.8

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
Total	171,122	32.9	32.6 - 33.2	106,650	29.7	29.3 - 30.1	64,472	38.6	38.0 - 39.1
Stage									
Localized	45,998	70.1	69.4 - 70.7	25,814	65.8	64.9 - 66.8	20,184	75.5	74.5 - 76.4
Regional	40,895	30.8	30.1 - 31.4	27,573	29.9	29.1 - 30.8	13,322	32.5	31.4 - 33.7
Distant	53,541	6.5	6.2 - 6.8	35,164	6.2	5.9 - 6.6	18,377	6.9	6.4 - 7.5
Unstaged	31,230	29.6	28.9 - 30.4	18,409	26.3	25.4 - 27.2	12,821	34.9	33.7 - 36.1
Age Group*									
15-44	9,692	39.4	38.2 - 40.6	5,088	34.3	32.6 - 35.9	4,604	45.1	43.4 - 46.9
45-54	19,758	36.7	35.9 - 37.6	12,234	32.3	31.2 - 33.3	7,524	44.3	42.9 - 45.7
55-64	37,553	35.8	35.2 - 36.5	25,064	32.0	31.2 - 32.7	12,489	43.8	42.6 - 44.9
65-74	46,593	35.0	34.4 - 35.6	30,823	31.5	30.7 - 32.2	15,770	41.8	40.7 - 42.8
75+	57,671	25.4	24.8 - 26.0	33,522	23.9	23.1 - 24.7	24,149	27.3	26.4 - 28.2

- 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 2010-2016
Complete Method, Follow-Up Through 2016 for Colon & Rectum**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	886,652	63.2	63.1 - 63.4	463,321	62.0	61.8 - 62.2	423,331	64.7	64.5 - 64.9
<i>Race</i>									
White	724,704	63.9	63.7 - 64.1	381,022	62.7	62.4 - 63.0	343,682	65.3	65.1 - 65.6
Black	112,571	56.7	56.2 - 57.1	56,142	54.4	53.7 - 55.1	56,429	59.0	58.3 - 59.6
<i>Stage</i>									
Localized	336,267	87.3	87.1 - 87.5	175,176	86.1	85.7 - 86.4	161,091	88.7	88.3 - 89.0
Regional	317,999	69.9	69.6 - 70.1	166,271	68.6	68.2 - 69.0	151,728	71.3	70.9 - 71.7
Distant	190,313	14.6	14.3 - 14.8	101,158	13.4	13.1 - 13.7	89,155	16.0	15.7 - 16.4
Unstaged	55,537	45.7	45.1 - 46.4	28,400	44.7	43.8 - 45.5	27,137	47.4	46.5 - 48.2
<i>Age Group*</i>									
15-44	52,381	69.2	68.7 - 69.8	26,680	67.3	66.5 - 68.0	25,701	71.3	70.6 - 72.1
45-54	128,738	70.3	70.0 - 70.7	70,333	68.3	67.8 - 68.8	58,405	72.7	72.2 - 73.2
55-64	198,547	65.8	65.5 - 66.1	114,283	64.3	63.9 - 64.7	84,264	67.7	67.3 - 68.2
65-74	222,595	64.7	64.4 - 65.0	123,489	63.5	63.1 - 63.9	99,106	66.2	65.7 - 66.6
75+	285,815	55.4	55.0 - 55.7	129,369	54.8	54.2 - 55.3	156,446	55.9	55.4 - 56.3

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	115,222	67.2	66.8 - 67.6	63,466	66.8	66.2 - 67.4	51,756	67.7	67.1 - 68.3
<i>Stage</i>									
Localized	42,239	91.8	91.2 - 92.4	23,319	91.2	90.3 - 92.0	18,920	92.4	91.6 - 93.2
Regional	43,442	74.7	74.0 - 75.3	24,230	74.3	73.3 - 75.2	19,212	75.0	74.1 - 76.0
Distant	23,429	15.4	14.7 - 16.1	12,970	14.5	13.6 - 15.4	10,459	16.6	15.6 - 17.6
Unstaged	9,476	55.8	54.3 - 57.2	4,926	57.0	54.9 - 59.0	4,550	54.4	52.3 - 56.5
<i>Age Group*</i>									
15-44	4,817	74.8	73.2 - 76.4	2,417	73.2	70.8 - 75.4	2,400	76.5	74.2 - 78.7
45-54	11,763	72.5	71.4 - 73.6	6,414	72.1	70.6 - 73.6	5,349	73.0	71.4 - 74.5
55-64	24,295	70.6	69.8 - 71.3	14,537	69.9	68.9 - 70.9	9,758	71.5	70.3 - 72.7
65-74	31,821	69.7	69.0 - 70.5	19,061	69.6	68.6 - 70.6	12,760	69.9	68.7 - 71.0
75+	42,837	58.0	57.1 - 58.9	21,226	57.8	56.5 - 59.1	21,611	58.2	57.0 - 59.3

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	1,001,874	63.7	63.6 - 63.9	526,787	62.6	62.4 - 62.8	475,087	65.0	64.8 - 65.2
<i>Stage</i>									
Localized	378,506	87.8	87.6 - 88.0	198,495	86.7	86.4 - 87.0	180,011	89.1	88.8 - 89.4
Regional	361,441	70.5	70.2 - 70.7	190,501	69.3	69.0 - 69.7	170,940	71.7	71.4 - 72.1
Distant	213,742	14.7	14.4 - 14.9	114,128	13.5	13.2 - 13.8	99,614	16.1	15.8 - 16.4
Unstaged	65,013	47.1	46.5 - 47.7	33,326	46.3	45.5 - 47.1	31,687	48.3	47.5 - 49.2
<i>Age Group*</i>									
15-44	57,198	69.7	69.2 - 70.2	29,097	67.8	67.0 - 68.5	28,101	71.8	71.0 - 72.5
45-54	140,501	70.5	70.2 - 70.8	76,747	68.6	68.2 - 69.1	63,754	72.7	72.3 - 73.2
55-64	222,842	66.3	66.0 - 66.6	128,820	65.0	64.6 - 65.3	94,022	68.1	67.7 - 68.6
65-74	254,416	65.3	65.0 - 65.6	142,550	64.3	63.9 - 64.7	111,866	66.6	66.2 - 67.0
75+	328,652	55.7	55.4 - 56.1	150,595	55.2	54.7 - 55.7	178,057	56.1	55.7 - 56.6

- 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 2010-2016
Complete Method, Follow-Up Through 2016 for Liver & Intrahepatic Bile Duct**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	191,132	17.7	17.4 - 18.0	137,765	16.7	16.4 - 17.1	53,367	20.2	19.7 - 20.7
<i>Race</i>									
White	144,328	17.2	16.9 - 17.5	104,067	16.3	15.9 - 16.7	40,261	19.4	18.9 - 20.0
Black	28,638	16.5	15.7 - 17.3	21,023	15.0	13.9 - 16.1	7,615	19.9	18.5 - 21.4
<i>Stage</i>									
Localized	82,369	30.6	30.1 - 31.1	59,363	29.3	28.6 - 30.0	23,006	33.8	32.9 - 34.7
Regional	50,472	11.3	10.9 - 11.8	37,472	10.5	9.9 - 11.0	13,000	13.5	12.6 - 14.4
Distant	34,816	3.3	3.0 - 3.6	24,662	2.9	2.6 - 3.3	10,154	4.2	3.6 - 4.9
Unstaged	23,749	9.7	9.1 - 10.3	16,465	8.8	8.1 - 9.5	7,284	12.2	11.0 - 13.4
<i>Age Group*</i>									
15-44	5,050	31.7	30.1 - 33.4	3,190	27.8	25.9 - 29.8	1,860	38.4	35.5 - 41.3
45-54	24,158	20.5	19.8 - 21.1	18,759	19.0	18.3 - 19.7	5,399	25.8	24.4 - 27.3
55-64	71,740	20.9	20.5 - 21.3	56,753	20.0	19.6 - 20.5	14,987	24.1	23.1 - 25.1
65-74	50,619	18.0	17.5 - 18.6	35,689	17.2	16.6 - 17.8	14,930	19.9	19.0 - 20.9
75+	39,650	10.3	9.8 - 10.8	23,433	10.0	9.3 - 10.7	16,217	10.7	9.9 - 11.5

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	15,137	19.6	18.7 - 20.5	10,521	19.5	18.4 - 20.7	4,616	19.7	18.0 - 21.4
<i>Stage</i>									
Localized	1,352	35.2	31.4 - 39.0	950	35.1	30.4 - 39.7	402	36.0	29.3 - 42.8
Regional	1,276	11.5	9.1 - 14.2 *	914	11.4	8.6 - 14.6 *	362	11.8	7.7 - 16.8 *
Distant	880	2.9	1.6 - 4.8 *	558	3.4	1.7 - 6.1 *	322	-	
Unstaged	11,655	20.0	18.9 - 21.1	8,119	19.9	18.6 - 21.2	3,536	20.1	18.1 - 22.1
<i>Age Group*</i>									
15-44	428	36.7	31.2 - 42.3	271	33.4	26.9 - 40.1	157	42.5	32.6 - 52.0
45-54	1,455	26.6	23.8 - 29.5	1,081	26.3	23.1 - 29.6	374	27.7	22.0 - 33.6
55-64	4,442	25.3	23.6 - 27.1	3,457	25.2	23.2 - 27.1	985	25.9	22.4 - 29.6
65-74	4,246	17.3	15.5 - 19.1	3,013	17.5	15.4 - 19.7	1,233	16.9	13.8 - 20.2
75+	4,610	10.3	8.9 - 11.8	2,732	11.0	9.2 - 13.0	1,878	8.8	6.7 - 11.3

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	206,269	17.8	17.5 - 18.1	148,286	16.9	16.6 - 17.2	57,983	20.1	19.7 - 20.6
<i>Stage</i>									
Localized	83,721	30.7	30.1 - 31.2	60,313	29.4	28.7 - 30.1	23,408	33.8	32.9 - 34.8
Regional	51,748	11.3	10.8 - 11.7	38,386	10.5	9.9 - 11.0	13,362	13.5	12.6 - 14.3
Distant	35,696	3.3	3.0 - 3.6	25,220	2.9	2.6 - 3.3	10,476	4.1	3.5 - 4.8
Unstaged	35,404	13.0	12.5 - 13.6	24,584	12.4	11.8 - 13.1	10,820	14.8	13.8 - 15.8
<i>Age Group*</i>									
15-44	5,478	32.1	30.5 - 33.7	3,461	28.2	26.4 - 30.1	2,017	38.7	35.9 - 41.5
45-54	25,613	20.8	20.2 - 21.5	19,840	19.4	18.7 - 20.1	5,773	25.9	24.5 - 27.4
55-64	76,182	21.1	20.7 - 21.6	60,210	20.3	19.9 - 20.8	15,972	24.2	23.3 - 25.1
65-74	54,865	18.0	17.5 - 18.5	38,702	17.2	16.6 - 17.8	16,163	19.7	18.8 - 20.6
75+	44,260	10.3	9.8 - 10.8	26,165	10.1	9.5 - 10.8	18,095	10.5	9.8 - 11.3

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	82,154	58.7	58.1 - 59.3	65,356	59.2	58.5 - 59.9	16,798	55.8	54.6 - 57.0
Race									
White	68,019	59.7	59.1 - 60.4	54,033	60.3	59.6 - 61.1	13,986	56.4	55.1 - 57.7
Black	11,899	50.5	48.8 - 52.2	9,449	50.3	48.4 - 52.3	2,450	51.1	47.5 - 54.5
Stage									
Localized	42,813	74.5	73.7 - 75.2	35,116	75.2	74.3 - 76.0	7,697	70.6	68.8 - 72.3
Regional	21,388	41.5	40.3 - 42.7	15,709	40.5	39.0 - 41.9	5,679	44.0	41.9 - 46.1
Distant	13,365	31.0	29.8 - 32.2	10,850	30.2	28.8 - 31.6	2,515	34.0	31.4 - 36.5
Unstaged	4,697	50.9	48.6 - 53.0	3,756	51.4	48.9 - 53.9	941	47.4	42.9 - 51.7
Age Group*									
15-44	1,958	74.9	72.3 - 77.2	1,377	70.7	67.4 - 73.7	581	84.5	80.6 - 87.8
45-54	12,040	61.2	60.1 - 62.3	9,071	61.1	59.7 - 62.3	2,969	61.7	59.3 - 63.9
55-64	26,429	58.5	57.7 - 59.3	21,058	58.5	57.5 - 59.4	5,371	58.7	56.8 - 60.5
65-74	24,821	57.6	56.6 - 58.5	20,049	58.4	57.4 - 59.5	4,772	53.9	51.8 - 55.9
75+	16,953	55.0	53.5 - 56.4	13,840	57.1	55.4 - 58.7	3,113	45.9	42.9 - 48.9

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹
Total	5,322	62.9	60.8 - 64.9	4,503	63.9	61.6 - 66.1	819	56.1	51.1 - 60.9
Stage									
Localized	846	84.2	78.7 - 88.4	731	85.0	78.8 - 89.5	115	78.2	64.1 - 87.3
Regional	223	49.5	39.9 - 58.3*	169	45.0	33.6 - 55.7*	54	61.2	43.6 - 74.8*
Distant	367	40.8	33.3 - 48.2	318	38.7	31.0 - 46.4	49	-	-
Unstaged	3,887	60.9	58.5 - 63.3	3,286	62.6	59.8 - 65.1	601	51.9	46.0 - 57.4
Age Group*									
15-44	95	77.7	66.5 - 85.5	61	75.5	61.2 - 85.2	34	81.7	60.7 - 92.1
45-54	563	71.0	66.2 - 75.3	476	70.1	65.0 - 74.7	87	74.6	59.7 - 84.6
55-64	1,532	67.5	64.3 - 70.6	1,315	67.7	64.1 - 71.0	217	66.5	57.7 - 73.9
65-74	1,692	61.0	57.3 - 64.5	1,441	62.6	58.5 - 66.4	251	53.0	43.9 - 61.3
75+	1,443	54.0	49.1 - 58.6	1,213	56.9	51.4 - 61.9	230	37.3	26.1 - 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
Total	87,476	58.9	58.3 - 59.5	69,859	59.5	58.9 - 60.2	17,617	55.7	54.6 - 56.9
Stage									
Localized	43,659	74.7	73.9 - 75.5	35,847	75.4	74.5 - 76.2	7,812	70.7	69.0 - 72.4
Regional	21,611	41.6	40.4 - 42.8	15,878	40.6	39.1 - 42.0	5,733	44.1	42.0 - 46.2
Distant	13,732	31.3	30.1 - 32.5	11,168	30.5	29.1 - 31.8	2,564	34.3	31.8 - 36.9
Unstaged	8,584	55.5	53.9 - 57.1	7,042	56.7	54.8 - 58.4	1,542	49.2	45.6 - 52.7
Age Group*									
15-44	2,053	75.0	72.6 - 77.3	1,438	70.9	67.8 - 73.8	615	84.3	80.5 - 87.5
45-54	12,603	61.7	60.6 - 62.8	9,547	61.6	60.3 - 62.8	3,056	62.1	59.8 - 64.3
55-64	27,961	59.0	58.2 - 59.8	22,373	59.0	58.1 - 59.9	5,588	59.0	57.2 - 60.8
65-74	26,513	57.8	56.9 - 58.7	21,490	58.7	57.7 - 59.7	5,023	53.9	51.8 - 55.8
75+	18,396	54.9	53.5 - 56.4	15,053	57.1	55.5 - 58.7	3,343	45.5	42.5 - 48.4

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	1,358,347	22.6	22.5 - 22.7	716,495	18.9	18.8 - 19.1	641,852	26.6	26.5 - 26.8
Race									
White	1,160,002	22.8	22.7 - 23.0	607,339	19.1	18.9 - 19.3	552,663	26.8	26.6 - 27.0
Black	149,222	19.6	19.2 - 19.9	82,353	16.1	15.7 - 16.5	66,869	23.8	23.3 - 24.3
Stage									
Localized	283,201	58.6	58.3 - 58.9	134,795	52.8	52.3 - 53.2	148,406	63.6	63.2 - 64.0
Regional	319,671	31.9	31.7 - 32.2	169,002	28.4	28.0 - 28.7	150,669	35.8	35.4 - 36.2
Distant	700,769	6.5	6.4 - 6.6	382,465	5.4	5.2 - 5.5	318,304	7.9	7.7 - 8.0
Unstaged	71,499	14.6	14.1 - 15.1	38,321	12.5	11.9 - 13.2	33,178	17.3	16.5 - 18.0
Age Group*									
15-44	17,337	35.8	34.9 - 36.7	8,201	31.1	29.9 - 32.3	9,136	40.0	38.8 - 41.2
45-54	108,291	24.5	24.2 - 24.8	53,695	19.3	18.9 - 19.7	54,596	29.6	29.1 - 30.1
55-64	308,321	23.0	22.8 - 23.2	168,191	18.7	18.5 - 19.0	140,130	28.1	27.8 - 28.5
65-74	465,387	23.3	23.1 - 23.5	249,977	19.7	19.5 - 20.0	215,410	27.4	27.1 - 27.6
75+	462,679	17.7	17.5 - 17.8	238,139	15.1	14.9 - 15.4	224,540	20.3	20.0 - 20.5

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹
Total	126,414	22.2	21.9 - 22.6	64,537	19.1	18.6 - 19.6	61,877	25.4	24.8 - 25.9
Stage									
Localized	21,468	63.4	62.3 - 64.4	9,775	58.1	56.4 - 59.7	11,693	67.4	66.1 - 68.8
Regional	29,924	34.4	33.5 - 35.3	15,165	31.5	30.2 - 32.9	14,759	37.2	35.9 - 38.6
Distant	68,506	5.9	5.5 - 6.2	36,108	5.0	4.6 - 5.5	32,398	6.8	6.3 - 7.3
Unstaged	8,512	20.7	19.4 - 22.1	4,331	17.5	15.7 - 19.3	4,181	23.8	21.8 - 25.9
Age Group*									
15-44	1,236	38.2	34.9 - 41.4	566	38.5	33.8 - 43.2	670	37.8	33.3 - 42.3
45-54	7,918	25.7	24.6 - 26.9	3,564	20.8	19.2 - 22.5	4,354	29.7	28.1 - 31.4
55-64	26,774	24.2	23.5 - 24.8	13,426	19.9	19.0 - 20.8	13,348	28.4	27.4 - 29.4
65-74	42,688	22.6	22.0 - 23.1	22,139	18.6	17.9 - 19.4	20,549	26.8	26.0 - 27.7
75+	48,188	15.1	14.6 - 15.6	25,005	13.5	12.8 - 14.2	23,183	16.7	16.0 - 17.5

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
Total	1,484,761	22.6	22.5 - 22.7	781,032	18.9	18.8 - 19.1	703,729	26.5	26.4 - 26.7
Stage									
Localized	304,669	59.0	58.7 - 59.2	144,570	53.1	52.6 - 53.6	160,099	63.9	63.5 - 64.3
Regional	349,595	32.1	31.9 - 32.4	184,167	28.6	28.2 - 28.9	165,428	35.9	35.6 - 36.3
Distant	769,275	6.4	6.4 - 6.5	418,573	5.3	5.2 - 5.5	350,702	7.8	7.6 - 7.9
Unstaged	80,011	15.2	14.8 - 15.7	42,652	13.1	12.5 - 13.7	37,359	18.0	17.3 - 18.7
Age Group*									
15-44	18,573	35.9	35.1 - 36.8	8,767	31.6	30.4 - 32.8	9,806	39.8	38.6 - 41.0
45-54	116,209	24.6	24.3 - 24.9	57,259	19.4	19.0 - 19.8	58,950	29.6	29.2 - 30.1
55-64	335,095	23.1	22.9 - 23.3	181,617	18.8	18.6 - 19.1	153,478	28.2	27.9 - 28.5
65-74	508,075	23.2	23.1 - 23.4	272,116	19.6	19.4 - 19.9	235,959	27.3	27.1 - 27.6
75+	510,867	17.4	17.2 - 17.6	263,144	15.0	14.7 - 15.2	247,723	19.9	19.7 - 20.2

- 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 2010-2016
Complete Method, Follow-Up Through 2016 for Melanoma of the Skin**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	469,426	91.3	91.2 - 91.5	274,742	89.3	89.1 - 89.5	194,684	93.4	93.2 - 93.6
<i>Race</i>									
White	446,787	91.0	90.9 - 91.2	262,882	88.9	88.7 - 89.2	183,905	93.2	93.0 - 93.4
Black	2,368	69.2	66.3 - 71.9	1,106	61.7	56.8 - 66.1	1,262	74.8	71.3 - 78.0
<i>Stage</i>									
Localized	366,561	97.6	97.4 - 97.7	210,752	96.8	96.5 - 97.0	155,809	98.5	98.3 - 98.7
Regional	44,238	69.6	68.9 - 70.3	28,014	67.3	66.4 - 68.2	16,224	72.8	71.8 - 73.8
Distant	24,015	31.2	30.3 - 32.2	16,352	28.6	27.5 - 29.8	7,663	35.5	34.0 - 37.1
Unstaged	40,913	89.9	89.4 - 90.4	24,151	88.2	87.4 - 89.0	16,762	91.4	90.7 - 92.1
<i>Age Group*</i>									
15-44	64,608	94.3	94.0 - 94.5	24,595	90.8	90.3 - 91.3	40,013	96.4	96.2 - 96.7
45-54	71,256	92.1	91.8 - 92.4	35,536	89.5	89.0 - 89.9	35,720	94.8	94.5 - 95.2
55-64	105,440	91.1	90.8 - 91.4	63,357	89.4	89.0 - 89.8	42,083	93.8	93.4 - 94.1
65-74	112,172	90.9	90.5 - 91.3	74,740	90.1	89.6 - 90.6	37,432	92.4	91.8 - 92.9
75+	117,992	85.4	84.8 - 86.1	77,943	84.8	84.0 - 85.6	40,049	86.6	85.6 - 87.6

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	40,263	89.1	88.6 - 89.6	21,969	86.4	85.6 - 87.2	18,294	91.9	91.2 - 92.5
<i>Stage</i>									
Localized	13,857	96.2	95.5 - 96.7	7,209	94.5	93.4 - 95.5	6,648	97.7	96.7 - 98.4
Regional	2,374	64.8	62.1 - 67.4	1,459	60.0	56.3 - 63.5	915	72.0	67.8 - 75.7
Distant	839	20.7	16.8 - 25.0	556	20.3	15.2 - 25.9	283	21.6	15.5 - 28.4
Unstaged	24,031	89.1	88.3 - 89.8	13,293	87.1	86.0 - 88.1	10,738	91.1	90.1 - 92.1
<i>Age Group*</i>									
15-44	5,211	93.9	93.0 - 94.7	1,930	91.3	89.6 - 92.8	3,281	95.4	94.3 - 96.2
45-54	6,184	91.0	89.9 - 91.9	2,930	87.0	85.3 - 88.6	3,254	94.5	93.3 - 95.5
55-64	9,091	88.8	87.7 - 89.7	4,995	85.7	84.1 - 87.1	4,096	92.6	91.2 - 93.8
65-74	9,277	87.2	85.9 - 88.4	5,748	85.5	83.6 - 87.1	3,529	90.0	88.0 - 91.6
75+	10,710	80.4	78.4 - 82.2	6,504	78.0	75.2 - 80.5	4,206	83.5	80.4 - 86.1

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	509,689	91.2	91.0 - 91.3	296,711	89.1	88.9 - 89.3	212,978	93.3	93.1 - 93.5
<i>Stage</i>									
Localized	380,418	97.5	97.4 - 97.7	217,961	96.7	96.5 - 96.9	162,457	98.5	98.2 - 98.7
Regional	46,612	69.3	68.6 - 69.9	29,473	66.8	65.9 - 67.7	17,139	72.8	71.8 - 73.8
Distant	24,854	30.9	30.0 - 31.8	16,908	28.4	27.2 - 29.5	7,946	35.1	33.6 - 36.6
Unstaged	64,944	89.6	89.2 - 90.0	37,444	87.8	87.2 - 88.4	27,500	91.4	90.8 - 91.9
<i>Age Group*</i>									
15-44	69,819	94.3	94.0 - 94.5	26,525	90.9	90.4 - 91.3	43,294	96.4	96.1 - 96.6
45-54	77,440	92.0	91.8 - 92.3	38,466	89.3	88.8 - 89.7	38,974	94.8	94.5 - 95.1
55-64	114,531	90.9	90.6 - 91.2	68,352	89.1	88.7 - 89.5	46,179	93.6	93.3 - 94.0
65-74	121,449	90.6	90.2 - 91.0	80,488	89.8	89.3 - 90.2	40,961	92.2	91.6 - 92.7
75+	128,702	85.0	84.4 - 85.6	84,447	84.3	83.5 - 85.0	44,255	86.4	85.4 - 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 2010-2016
Complete Method, Follow-Up Through 2016 for Female Breast**

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
Total	-	-		-	-		1,494,157	89.3	89.1 - 89.4
Race									
White	-	-		-	-		1,232,982	90.2	90.1 - 90.4
Black	-	-		-	-		179,087	80.9	80.5 - 81.3
Stage									
Localized	-	-		-	-		961,641	98.3	98.2 - 98.5
Regional	-	-		-	-		425,256	83.1	82.8 - 83.3
Distant	-	-		-	-		88,336	27.3	26.8 - 27.8
Unstaged	-	-		-	-		35,656	63.0	62.2 - 63.8
Age Group*									
15-44	-	-		-	-		150,899	88.2	88.0 - 88.4
45-54	-	-		-	-		295,293	90.2	90.0 - 90.3
55-64	-	-		-	-		386,843	89.8	89.7 - 90.0
65-74	-	-		-	-		372,944	91.0	90.8 - 91.2
75+	-	-		-	-		290,614	86.9	86.6 - 87.3

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹
Total	-	-		-	-		133,707	87.8	87.4 - 88.2
Stage									
Localized	-	-		-	-		74,853	97.4	96.9 - 97.8
Regional	-	-		-	-		40,880	83.4	82.6 - 84.1
Distant	-	-		-	-		15,176	41.9	40.2 - 43.6
Unstaged	-	-		-	-		5,126	68.4	66.6 - 70.2
Age Group*									
15-44	-	-		-	-		12,654	88.3	87.5 - 89.0
45-54	-	-		-	-		27,128	91.0	90.5 - 91.4
55-64	-	-		-	-		33,829	90.3	89.8 - 90.8
65-74	-	-		-	-		33,039	90.6	89.9 - 91.1
75+	-	-		-	-		27,329	81.6	80.4 - 82.6

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
Total	-	-		-	-		1,627,864	89.1	89.0 - 89.2
Stage									
Localized	-	-		-	-		1,036,494	98.3	98.1 - 98.4
Regional	-	-		-	-		466,136	83.1	82.9 - 83.3
Distant	-	-		-	-		103,512	28.9	28.5 - 29.4
Unstaged	-	-		-	-		40,782	63.8	63.1 - 64.5
Age Group*									
15-44	-	-		-	-		163,553	88.2	88.0 - 88.4
45-54	-	-		-	-		322,421	90.2	90.1 - 90.4
55-64	-	-		-	-		420,672	89.9	89.7 - 90.0
65-74	-	-		-	-		405,983	91.0	90.8 - 91.1
75+	-	-		-	-		317,943	86.4	86.1 - 86.8

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	-	-		-	-		83,215	61.0	60.5 - 61.5
Race									
White	-	-		-	-		63,572	61.7	61.1 - 62.2
Black	-	-		-	-		13,400	54.6	53.4 - 55.8
Stage									
Localized	-	-		-	-		36,315	86.0	85.1 - 86.8
Regional	-	-		-	-		29,396	56.2	55.3 - 57.0
Distant	-	-		-	-		12,460	16.8	15.9 - 17.7
Unstaged	-	-		-	-		5,160	51.8	50.0 - 53.5
Age Group*									
15-44	-	-		-	-		31,143	78.7	78.1 - 79.3
45-54	-	-		-	-		19,550	65.8	64.9 - 66.7
55-64	-	-		-	-		16,272	58.9	57.9 - 59.9
65-74	-	-		-	-		9,624	50.5	49.1 - 52.0
75+	-	-		-	-		6,650	37.7	35.8 - 39.6

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹
Total	-	-		-	-		7,690	67.9	66.3 - 69.4
Stage									
Localized	-	-		-	-		3,608	89.0	86.4 - 91.2
Regional	-	-		-	-		2,301	61.8	58.9 - 64.5
Distant	-	-		-	-		809	19.8	16.1 - 23.8
Unstaged	-	-		-	-		1,005	62.3	58.5 - 65.9
Age Group*									
15-44	-	-		-	-		3,257	85.3	83.7 - 86.7
45-54	-	-		-	-		1,728	75.1	72.5 - 77.5
55-64	-	-		-	-		1,294	67.0	63.5 - 70.2
65-74	-	-		-	-		773	56.9	51.8 - 61.5
75+	-	-		-	-		640	41.8	36.2 - 47.3

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
Total	-	-		-	-		90,905	61.6	61.1 - 62.1
Stage									
Localized	-	-		-	-		39,923	86.3	85.5 - 87.1
Regional	-	-		-	-		31,697	56.6	55.7 - 57.4
Distant	-	-		-	-		13,269	17.0	16.1 - 17.9
Unstaged	-	-		-	-		6,165	53.7	52.1 - 55.3
Age Group*									
15-44	-	-		-	-		34,400	79.4	78.8 - 79.9
45-54	-	-		-	-		21,278	66.6	65.8 - 67.4
55-64	-	-		-	-		17,566	59.5	58.5 - 60.5
65-74	-	-		-	-		10,397	51.0	49.7 - 52.4
75+	-	-		-	-		7,290	38.1	36.3 - 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 2010-2016
Complete Method, Follow-Up Through 2016 for Corpus & Uterus, NOS**

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
Total	-	-		-	-		338,302	77.6	77.3 - 77.9
Race									
White	-	-		-	-		280,646	80.2	79.9 - 80.5
Black	-	-		-	-		39,044	58.0	57.1 - 58.8
Stage									
Localized	-	-		-	-		228,057	92.7	92.4 - 93.1
Regional	-	-		-	-		67,626	65.6	65.0 - 66.2
Distant	-	-		-	-		29,384	17.2	16.6 - 17.9
Unstaged	-	-		-	-		14,035	53.1	51.9 - 54.2
Age Group*									
15-44	-	-		-	-		22,907	90.0	89.5 - 90.5
45-54	-	-		-	-		52,587	86.9	86.5 - 87.2
55-64	-	-		-	-		117,173	83.8	83.5 - 84.1
65-74	-	-		-	-		92,735	77.7	77.2 - 78.1
75+	-	-		-	-		52,949	65.7	64.9 - 66.5

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹
Total	-	-		-	-		32,431	80.1	79.3 - 80.8
Stage									
Localized	-	-		-	-		11,892	94.0	92.9 - 95.0
Regional	-	-		-	-		3,218	66.1	63.6 - 68.5
Distant	-	-		-	-		1,106	14.5	12.0 - 17.2
Unstaged	-	-		-	-		16,256	77.0	75.7 - 78.3
Age Group*									
15-44	-	-		-	-		1,651	89.5	87.5 - 91.2
45-54	-	-		-	-		5,281	88.2	87.0 - 89.3
55-64	-	-		-	-		11,293	87.7	86.8 - 88.5
65-74	-	-		-	-		8,869	80.6	79.3 - 81.9
75+	-	-		-	-		5,350	67.8	65.7 - 69.8

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
Total	-	-		-	-		370,733	77.8	77.6 - 78.1
Stage									
Localized	-	-		-	-		239,949	92.9	92.6 - 93.2
Regional	-	-		-	-		70,844	65.6	65.0 - 66.2
Distant	-	-		-	-		30,490	17.2	16.5 - 17.8
Unstaged	-	-		-	-		30,291	64.5	63.6 - 65.3
Age Group*									
15-44	-	-		-	-		24,558	90.0	89.5 - 90.5
45-54	-	-		-	-		57,868	87.0	86.6 - 87.3
55-64	-	-		-	-		128,466	84.2	83.9 - 84.5
65-74	-	-		-	-		101,604	77.9	77.5 - 78.3
75+	-	-		-	-		58,299	66.0	65.2 - 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 2010-2016
Complete Method, Follow-Up Through 2016 for Ovary**

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
Total	-	-		-	-		137,761	43.7	43.3 - 44.1
Race									
White	-	-		-	-		116,603	44.5	44.1 - 44.9
Black	-	-		-	-		13,108	34.2	33.0 - 35.4
Stage									
Localized	-	-		-	-		22,260	87.3	85.9 - 88.5
Regional	-	-		-	-		29,267	66.3	65.3 - 67.2
Distant	-	-		-	-		77,487	29.3	28.8 - 29.7
Unstaged	-	-		-	-		8,991	31.5	30.2 - 32.8
Age Group*									
15-44	-	-		-	-		15,331	76.4	75.5 - 77.3
45-54	-	-		-	-		24,074	62.7	61.9 - 63.6
55-64	-	-		-	-		34,283	52.3	51.5 - 53.0
65-74	-	-		-	-		32,144	40.7	39.9 - 41.5
75+	-	-		-	-		31,946	24.2	23.4 - 24.9

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹
Total	-	-		-	-		14,220	39.7	38.6 - 40.9
Stage									
Localized	-	-		-	-		868	85.1	79.5 - 89.3
Regional	-	-		-	-		1,454	68.7	64.6 - 72.4
Distant	-	-		-	-		3,661	25.3	23.5 - 27.1
Unstaged	-	-		-	-		8,295	36.7	35.2 - 38.3
Age Group*									
15-44	-	-		-	-		1,503	75.9	72.9 - 78.6
45-54	-	-		-	-		2,598	62.8	60.3 - 65.2
55-64	-	-		-	-		3,413	49.3	46.9 - 51.6
65-74	-	-		-	-		3,277	35.8	33.4 - 38.2
75+	-	-		-	-		3,452	17.8	15.9 - 19.9

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
Total	-	-		-	-		151,981	43.3	43.0 - 43.7
Stage									
Localized	-	-		-	-		23,128	87.3	86.0 - 88.5
Regional	-	-		-	-		30,721	66.4	65.5 - 67.3
Distant	-	-		-	-		81,148	29.1	28.6 - 29.5
Unstaged	-	-		-	-		17,286	34.4	33.4 - 35.4
Age Group*									
15-44	-	-		-	-		16,834	76.4	75.5 - 77.2
45-54	-	-		-	-		26,672	62.7	62.0 - 63.5
55-64	-	-		-	-		37,696	52.0	51.3 - 52.7
65-74	-	-		-	-		35,421	40.3	39.5 - 41.0
75+	-	-		-	-		35,398	23.6	22.8 - 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 2010-2016
Complete Method, Follow-Up Through 2016 for Prostate**

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	-	-		1,294,219	95.6	95.4 - 95.7	-	-	
Race									
White	-	-		1,011,474	95.6	95.4 - 95.7	-	-	
Black	-	-		210,824	92.4	92.0 - 92.8	-	-	
Stage									
Localized	-	-		970,301	99.9	99.8 - 100.0	-	-	
Regional	-	-		157,227	95.1	94.5 - 95.6	-	-	
Distant	-	-		78,036	32.3	31.7 - 33.0	-	-	
Unstaged	-	-		88,720	87.1	86.6 - 87.6	-	-	
Age Group*									
15-44	-	-		6,516	95.6	94.8 - 96.2	-	-	
45-54	-	-		115,642	97.2	97.1 - 97.4	-	-	
55-64	-	-		425,734	98.1	98.0 - 98.2	-	-	
65-74	-	-		508,011	99.3	99.2 - 99.4	-	-	
75+	-	-		238,331	89.6	89.2 - 90.0	-	-	
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	-	-		118,100	92.9	92.6 - 93.3	-	-	
Stage									
Localized	-	-		70,663	99.2	98.9 - 99.5	-	-	
Regional	-	-		16,748	94.8	93.5 - 95.9	-	-	
Distant	-	-		28,915	63.4	62.0 - 64.7	-	-	
Unstaged	-	-		1,783	78.9	75.5 - 82.0	-	-	
Age Group*									
15-44	-	-		399	95.2	92.0 - 97.1	-	-	
45-54	-	-		8,517	96.8	96.2 - 97.3	-	-	
55-64	-	-		34,643	97.5	97.1 - 97.9	-	-	
65-74	-	-		45,024	97.5	97.0 - 97.9	-	-	
75+	-	-		29,520	82.3	81.2 - 83.3	-	-	
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	-	-		1,412,319	95.3	95.2 - 95.4	-	-	
Stage									
Localized	-	-		1,040,964	99.9	99.7 - 99.9	-	-	
Regional	-	-		173,975	95.0	94.5 - 95.5	-	-	
Distant	-	-		106,951	38.2	37.6 - 38.8	-	-	
Unstaged	-	-		90,503	86.9	86.4 - 87.4	-	-	
Age Group*									
15-44	-	-		6,915	95.6	94.8 - 96.2	-	-	
45-54	-	-		124,159	97.2	97.0 - 97.4	-	-	
55-64	-	-		460,377	98.0	97.9 - 98.1	-	-	
65-74	-	-		553,035	99.2	99.0 - 99.3	-	-	
75+	-	-		267,851	88.8	88.4 - 89.1	-	-	

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	-	-		55,291	92.4	91.3 - 93.3		-	-	
Race										
White	-	-		50,208	92.6	91.4 - 93.6		-	-	
Black	-	-		1,963	91.0	89.2 - 92.5*		-	-	
Stage										
Localized	-	-		37,449	98.2	97.7 - 98.7		-	-	
Regional	-	-		10,147	90.8	88.7 - 92.5		-	-	
Distant	-	-		6,483	66.3	63.3 - 69.2		-	-	
Unstaged	-	-		1,359	79.1	75.3 - 82.4		-	-	
Age Group*										
15-44	-	-		43,256	96.1	95.8 - 96.3		-	-	
45-54	-	-		7,448	94.2	93.5 - 94.9		-	-	
55-64	-	-		3,185	89.6	88.0 - 91.0		-	-	
65-74	-	-		943	82.7	77.9 - 86.5		-	-	
75+	-	-		466	80.5	69.7 - 87.8		-	-	

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	-	-		5,613	93.5	89.5 - 96.0		-	-	
Stage										
Localized	-	-		1,216	99.5	96.1 - 99.9*		-	-	
Regional	-	-		310	96.9	91.2 - 98.9*		-	-	
Distant	-	-		163	71.7	62.3 - 79.2*		-	-	
Unstaged	-	-		3,929	92.9	88.4 - 95.7		-	-	
Age Group*										
15-44	-	-		4,427	97.2	96.5 - 97.8		-	-	
45-54	-	-		751	96.0	93.1 - 97.7		-	-	
55-64	-	-		278	92.6	85.1 - 96.4		-	-	
65-74	-	-		99	87.2	60.2 - 96.4		-	-	
75+	-	-		59	-			-	-	

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	-	-		60,904	92.6	91.5 - 93.5		-	-	
Stage										
Localized	-	-		38,665	98.3	97.7 - 98.7		-	-	
Regional	-	-		10,457	90.8	88.7 - 92.5		-	-	
Distant	-	-		6,646	66.1	63.2 - 68.9		-	-	
Unstaged	-	-		5,288	87.6	85.0 - 89.7		-	-	
Age Group*										
15-44	-	-		47,683	96.2	96.0 - 96.4		-	-	
45-54	-	-		8,199	94.4	93.7 - 95.1		-	-	
55-64	-	-		3,463	89.9	88.2 - 91.3		-	-	
65-74	-	-		1,042	83.4	78.8 - 87.1		-	-	
75+	-	-		525	80.6	70.4 - 87.6		-	-	

- 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

Testis

II-16 Combined Survival

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 for Urinary Bladder (incl. in situ)**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	466,860	76.5	76.3 - 76.8	355,105	77.6	77.4 - 77.9	111,755	73.3	72.8 - 73.7
<i>Race</i>									
White	423,504	77.1	76.9 - 77.4	324,696	78.0	77.7 - 78.3	98,808	74.4	74.0 - 74.9
Black	27,052	63.7	62.7 - 64.6	18,184	66.9	65.7 - 68.1	8,868	56.9	55.3 - 58.4
<i>Stage</i>									
Localized	394,629	84.6	84.3 - 84.8	302,788	85.1	84.9 - 85.4	91,841	82.8	82.4 - 83.2
Regional	34,828	35.1	34.3 - 35.9	25,645	35.9	34.9 - 36.9	9,183	32.7	31.3 - 34.1
Distant	21,035	6.6	6.1 - 7.2	14,712	6.9	6.2 - 7.6	6,323	6.0	5.1 - 6.9
Unstaged	18,779	61.3	60.2 - 62.4	13,924	62.8	61.4 - 64.1	4,855	57.3	55.2 - 59.4
<i>Age Group*</i>									
15-44	8,220	86.8	85.8 - 87.7	5,763	88.8	87.7 - 89.8	2,457	82.0	80.0 - 83.7
45-54	29,126	81.9	81.4 - 82.5	21,433	82.6	82.0 - 83.3	7,693	80.0	78.9 - 81.1
55-64	86,772	80.0	79.6 - 80.4	66,620	80.3	79.8 - 80.7	20,152	78.9	78.2 - 79.7
65-74	144,030	77.7	77.3 - 78.0	112,121	78.4	78.0 - 78.8	31,909	75.2	74.4 - 75.9
75+	199,735	68.0	67.5 - 68.5	150,033	70.0	69.5 - 70.6	49,702	61.9	61.1 - 62.8

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	49,261	78.7	78.1 - 79.3	37,421	79.3	78.6 - 80.0	11,840	76.9	75.8 - 78.1
<i>Stage</i>									
Localized	23,109	92.1	91.2 - 92.8	17,462	92.0	91.0 - 92.9	5,647	92.0	90.4 - 93.3
Regional	1,042	36.7	32.7 - 40.8 *	776	39.2	34.5 - 44.0 *	266	29.5	22.4 - 37.0 *
Distant	776	6.1	3.9 - 8.8 *	550	5.0	2.7 - 8.2 *	226	8.6	4.5 - 14.2 *
Unstaged	25,349	69.8	68.9 - 70.7	19,449	71.1	70.1 - 72.1	5,900	66.0	64.2 - 67.8
<i>Age Group*</i>									
15-44	967	90.1	87.7 - 92.0	696	93.1	90.6 - 94.9	271	82.1	76.3 - 86.6
45-54	3,099	87.5	85.9 - 88.9	2,238	88.2	86.3 - 89.9	861	85.5	82.4 - 88.1
55-64	8,958	83.3	82.2 - 84.4	6,779	83.2	81.8 - 84.5	2,179	83.6	81.5 - 85.6
65-74	14,773	80.6	79.5 - 81.6	11,494	80.6	79.4 - 81.9	3,279	80.3	78.1 - 82.3
75+	21,613	66.7	65.4 - 68.0	16,337	67.8	66.2 - 69.3	5,276	63.5	61.0 - 65.9

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	516,121	76.7	76.5 - 77.0	392,526	77.8	77.6 - 78.0	123,595	73.6	73.2 - 74.0
<i>Stage</i>									
Localized	417,738	85.0	84.8 - 85.2	320,250	85.5	85.3 - 85.8	97,488	83.3	82.9 - 83.8
Regional	35,870	35.2	34.4 - 36.0	26,421	36.1	35.1 - 37.1	9,449	32.8	31.4 - 34.2
Distant	21,811	6.7	6.1 - 7.2	15,262	6.9	6.3 - 7.6	6,549	6.1	5.2 - 7.0
Unstaged	44,128	66.3	65.6 - 67.0	33,373	67.8	66.9 - 68.6	10,755	62.2	60.8 - 63.6
<i>Age Group*</i>									
15-44	9,187	87.1	86.2 - 88.0	6,459	89.3	88.3 - 90.2	2,728	82.0	80.1 - 83.6
45-54	32,225	82.5	81.9 - 83.0	23,671	83.2	82.5 - 83.8	8,554	80.6	79.5 - 81.6
55-64	95,730	80.3	79.9 - 80.6	73,399	80.6	80.1 - 81.0	22,331	79.4	78.7 - 80.1
65-74	158,803	77.9	77.6 - 78.3	123,615	78.6	78.2 - 79.0	35,188	75.7	75.0 - 76.3
75+	221,348	67.9	67.4 - 68.3	166,370	69.8	69.3 - 70.3	54,978	62.1	61.3 - 62.9

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	372,704	72.4	72.2 - 72.7	234,746	71.9	71.6 - 72.2	137,958	73.5	73.2 - 73.9
Race									
White	312,637	72.5	72.3 - 72.8	198,158	72.0	71.6 - 72.4	114,479	73.6	73.2 - 74.1
Black	44,680	71.8	71.0 - 72.7	26,849	71.1	69.9 - 72.3	17,831	73.2	72.1 - 74.4
Stage									
Localized	249,498	89.1	88.8 - 89.4	153,343	89.2	88.8 - 89.7	96,155	88.9	88.5 - 89.4
Regional	58,781	65.8	65.1 - 66.4	39,134	66.7	65.9 - 67.5	19,647	64.3	63.3 - 65.3
Distant	52,598	12.5	12.0 - 12.9	35,255	12.6	12.1 - 13.2	17,343	12.2	11.5 - 12.9
Unstaged	14,000	49.3	48.0 - 50.5	8,602	48.2	46.6 - 49.8	5,398	51.3	49.4 - 53.3
Age Group*									
15-44	29,444	88.7	88.2 - 89.2	17,602	87.0	86.3 - 87.7	11,842	91.2	90.5 - 91.8
45-54	58,178	81.8	81.3 - 82.2	37,980	80.1	79.5 - 80.6	20,198	84.9	84.2 - 85.5
55-64	100,278	76.1	75.7 - 76.5	65,731	74.5	74.0 - 75.0	34,547	79.1	78.5 - 79.7
65-74	105,421	73.4	72.9 - 73.8	67,612	72.9	72.3 - 73.4	37,809	74.2	73.5 - 74.9
75+	79,994	60.9	60.2 - 61.5	46,243	61.8	60.9 - 62.7	33,751	59.5	58.6 - 60.5

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹
Total	30,554	69.0	68.2 - 69.8	19,675	68.5	67.4 - 69.5	10,879	70.2	69.0 - 71.4
Stage									
Localized	5,988	85.3	83.4 - 87.0	3,681	86.4	83.7 - 88.7	2,307	84.1	81.2 - 86.5
Regional	1,907	65.6	61.9 - 69.0	1,278	66.1	61.2 - 70.5	629	64.8	58.8 - 70.1
Distant	1,654	11.7	9.6 - 14.0	1,133	12.5	10.0 - 15.2	521	9.2	6.0 - 13.2 *
Unstaged	21,079	69.1	68.2 - 70.1	13,640	68.6	67.3 - 69.8	7,439	70.5	69.0 - 72.0
Age Group*									
15-44	2,001	89.2	87.4 - 90.8	1,270	87.4	84.9 - 89.5	731	92.4	89.7 - 94.4
45-54	4,798	83.4	82.0 - 84.7	3,142	80.6	78.8 - 82.3	1,656	88.4	86.3 - 90.2
55-64	8,080	76.2	74.9 - 77.5	5,421	74.5	72.9 - 76.1	2,659	79.7	77.5 - 81.6
65-74	8,465	70.6	69.1 - 72.0	5,601	69.7	67.8 - 71.5	2,864	72.3	69.8 - 74.6
75+	7,269	50.9	48.9 - 52.9	4,287	52.9	50.2 - 55.6	2,982	47.9	44.9 - 50.8

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
Total	403,258	72.2	71.9 - 72.4	254,421	71.6	71.3 - 71.9	148,837	73.3	72.9 - 73.6
Stage									
Localized	255,486	89.0	88.7 - 89.3	157,024	89.2	88.7 - 89.6	98,462	88.8	88.3 - 89.3
Regional	60,688	65.8	65.2 - 66.4	40,412	66.7	65.9 - 67.5	20,276	64.3	63.3 - 65.3
Distant	54,252	12.4	12.0 - 12.8	36,388	12.6	12.1 - 13.2	17,864	12.1	11.4 - 12.8
Unstaged	35,079	61.5	60.8 - 62.3	22,242	60.8	59.9 - 61.8	12,837	63.0	61.8 - 64.1
Age Group*									
15-44	31,445	88.7	88.3 - 89.2	18,872	87.0	86.4 - 87.7	12,573	91.3	90.6 - 91.9
45-54	62,976	81.9	81.5 - 82.3	41,122	80.1	79.6 - 80.6	21,854	85.2	84.5 - 85.8
55-64	108,358	76.1	75.7 - 76.5	71,152	74.5	74.0 - 75.0	37,206	79.2	78.6 - 79.7
65-74	113,886	73.2	72.7 - 73.6	73,213	72.6	72.1 - 73.2	40,673	74.1	73.4 - 74.7
75+	87,263	60.0	59.4 - 60.6	50,530	61.1	60.2 - 61.9	36,733	58.6	57.6 - 59.5

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	128,244	30.0	29.7 - 30.3	71,828	28.3	27.9 - 28.7	56,416	32.2	31.7 - 32.7
Race									
White	113,895	29.9	29.6 - 30.2	64,032	28.3	27.9 - 28.7	49,863	32.1	31.6 - 32.6
Black	8,978	29.3	28.2 - 30.4	4,852	26.3	24.8 - 27.8	4,126	32.7	31.0 - 34.4
Stage									
Localized	99,854	31.4	31.1 - 31.8	56,250	29.8	29.4 - 30.3	43,604	33.6	33.1 - 34.1
Regional	17,192	20.2	19.4 - 21.0	9,585	18.4	17.3 - 19.5	7,607	22.6	21.3 - 23.9
Distant	2,256	23.5	21.2 - 25.8	1,254	20.9	18.0 - 23.9	1,002	26.1	22.6 - 29.7
Unstaged	9,098	32.4	31.0 - 33.7	4,828	30.4	28.5 - 32.2	4,270	35.0	32.8 - 37.1
Age Group*									
15-44	26,596	66.3	65.6 - 67.1	15,042	63.8	62.7 - 64.8	11,554	69.7	68.6 - 70.7
45-54	18,939	31.3	30.5 - 32.2	11,137	28.9	27.8 - 29.9	7,802	34.9	33.5 - 36.3
55-64	29,712	15.9	15.4 - 16.5	17,049	14.4	13.7 - 15.1	12,663	17.9	17.1 - 18.9
65-74	28,423	9.8	9.3 - 10.4	16,110	8.9	8.3 - 9.6	12,313	11.1	10.3 - 11.9
75+	24,602	5.4	5.0 - 5.9	12,508	5.2	4.6 - 5.9	12,094	5.5	4.9 - 6.2

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹
Total	12,824	27.5	26.5 - 28.4	7,358	26.4	25.2 - 27.6	5,466	29.1	27.6 - 30.6
Stage									
Localized	2,442	25.2	23.0 - 27.5*	1,423	25.2	22.3 - 28.2*	1,019	28.3	25.3 - 31.4
Regional	920	18.8	15.5 - 22.3	546	14.8	11.2 - 18.9*	374	20.2	14.8 - 26.2
Distant	67	16.1	7.0 - 28.5*	42	22.7	10.1 - 38.3*	25	8.3	0.7 - 28.3*
Unstaged	9,396	28.0	26.9 - 29.1	5,348	26.6	25.2 - 28.0	4,048	30.0	28.2 - 31.8
Age Group*									
15-44	2,487	63.0	60.5 - 65.3	1,474	61.5	58.2 - 64.5	1,013	65.2	61.2 - 68.9
45-54	1,958	28.3	25.8 - 30.9	1,195	26.1	22.9 - 29.5	763	31.6	27.5 - 35.7
55-64	2,954	14.2	12.6 - 16.0	1,746	12.6	10.6 - 14.8	1,208	16.5	13.9 - 19.4
65-74	2,834	8.0	6.7 - 9.6	1,597	8.1	6.3 - 10.2	1,237	7.9	5.9 - 10.2
75+	2,597	3.1	2.3 - 4.2	1,350	3.3	2.1 - 4.8	1,247	2.9	1.8 - 4.6

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
Total	141,068	29.7	29.5 - 30.0	79,186	28.1	27.7 - 28.5	61,882	31.9	31.5 - 32.4
Stage									
Localized	102,296	31.4	31.0 - 31.7	57,673	29.8	29.4 - 30.3	44,623	33.5	33.0 - 34.0
Regional	18,112	20.1	19.3 - 21.0	10,131	18.4	17.3 - 19.4	7,981	22.5	21.2 - 23.8
Distant	2,323	23.3	21.1 - 25.6	1,296	21.0	18.2 - 24.0	1,027	25.6	22.1 - 29.2
Unstaged	18,494	29.7	28.8 - 30.6	10,176	28.0	26.9 - 29.2	8,318	32.0	30.6 - 33.3
Age Group*									
15-44	29,083	66.0	65.3 - 66.7	16,516	63.6	62.6 - 64.5	12,567	69.3	68.3 - 70.3
45-54	20,897	31.1	30.2 - 31.9	12,332	28.6	27.6 - 29.6	8,565	34.6	33.3 - 35.9
55-64	32,666	15.8	15.2 - 16.3	18,795	14.2	13.6 - 14.9	13,871	17.8	17.0 - 18.7
65-74	31,257	9.7	9.2 - 10.2	17,707	8.8	8.2 - 9.5	13,550	10.8	10.1 - 11.6
75+	27,199	5.2	4.8 - 5.6	13,858	5.1	4.5 - 5.7	13,341	5.3	4.7 - 5.9

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	271,311	91.4	91.2 - 91.6	87,653	89.5	89.2 - 89.9	183,658	92.3	92.1 - 92.5
Race									
White	223,385	91.9	91.7 - 92.1	73,247	90.2	89.8 - 90.6	150,138	92.7	92.5 - 92.9
Black	30,877	87.2	86.5 - 87.8	8,991	83.4	82.1 - 84.7	21,886	88.7	88.0 - 89.4
Stage									
Localized	-	-		-	-		-	-	
Regional	-	-		-	-		-	-	
Distant	-	-		-	-		-	-	
Unstaged	-	-		-	-		-	-	
Age Group*									
15-44	42,271	97.2	96.9 - 97.4	15,902	96.3	95.8 - 96.7	26,369	97.7	97.4 - 98.0
45-54	44,148	95.4	95.1 - 95.7	13,933	94.3	93.7 - 94.9	30,215	96.0	95.6 - 96.3
55-64	58,669	92.8	92.5 - 93.2	19,003	90.7	90.0 - 91.4	39,666	93.8	93.4 - 94.2
65-74	59,349	88.8	88.3 - 89.3	19,336	86.8	85.8 - 87.7	40,013	89.8	89.2 - 90.4
75+	67,037	76.6	75.9 - 77.4	19,535	72.4	70.8 - 73.9	47,502	78.4	77.4 - 79.3

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹
Total	22,319	80.5	79.8 - 81.2	8,737	75.4	74.2 - 76.6	13,582	83.7	82.9 - 84.6
Stage									
Localized	-	-		-	-		-	-	
Regional	-	-		-	-		-	-	
Distant	-	-		-	-		-	-	
Unstaged	-	-		-	-		-	-	
Age Group*									
15-44	4,185	92.3	91.3 - 93.2	1,850	89.6	87.8 - 91.1	2,335	94.5	93.2 - 95.5
45-54	3,897	85.7	84.3 - 87.1	1,499	80.1	77.6 - 82.5	2,398	89.3	87.6 - 90.8
55-64	4,711	80.2	78.7 - 81.6	1,803	73.3	70.6 - 75.9	2,908	84.4	82.6 - 86.1
65-74	4,328	74.5	72.6 - 76.3	1,731	70.5	67.4 - 73.4	2,597	77.2	74.8 - 79.4
75+	5,232	59.6	57.1 - 62.0	1,868	51.7	47.5 - 55.8	3,364	63.8	60.7 - 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
Total	293,630	90.6	90.4 - 90.7	96,390	88.2	87.8 - 88.5	197,240	91.7	91.5 - 91.9
Stage									
Localized	-	-		-	-		-	-	
Regional	-	-		-	-		-	-	
Distant	-	-		-	-		-	-	
Unstaged	-	-		-	-		-	-	
Age Group*									
15-44	46,456	96.7	96.5 - 96.9	17,752	95.5	95.1 - 95.9	28,704	97.4	97.2 - 97.7
45-54	48,045	94.6	94.3 - 94.9	15,432	92.8	92.2 - 93.4	32,613	95.5	95.1 - 95.8
55-64	63,380	91.8	91.5 - 92.2	20,806	89.1	88.4 - 89.8	42,574	93.1	92.7 - 93.5
65-74	63,677	87.8	87.4 - 88.3	21,067	85.4	84.5 - 86.3	42,610	89.0	88.5 - 89.6
75+	72,269	75.4	74.6 - 76.1	21,403	70.5	69.0 - 71.9	50,866	77.4	76.5 - 78.2

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	308,486	96.2	96.0 - 96.4	76,538	93.7	93.2 - 94.0	231,948	97.1	97.0 - 97.3
Race									
White	257,557	96.4	96.2 - 96.6	66,426	93.9	93.5 - 94.4	191,131	97.4	97.2 - 97.6
Black	24,869	93.6	92.7 - 94.4	4,528	89.4	87.5 - 91.1	20,341	94.6	93.6 - 95.4
Stage									
Localized	209,760	99.6	99.5 - 99.6	45,058	99.0	98.8 - 99.3	164,702	99.7	99.6 - 99.8
Regional	80,731	95.2	94.7 - 95.6	24,816	93.6	92.8 - 94.4	55,915	95.9	95.4 - 96.3
Distant	10,756	59.8	58.6 - 60.9	4,757	54.2	52.3 - 56.1	5,999	64.0	62.6 - 65.5
Unstaged	7,664	86.0	84.7 - 87.1	2,090	82.4	79.8 - 84.6	5,574	87.3	85.9 - 88.6
Age Group*									
15-44	108,465	99.4	99.3 - 99.4	19,998	98.4	98.0 - 98.6	88,467	99.6	99.5 - 99.6
45-54	70,267	98.2	98.0 - 98.4	16,205	95.4	94.8 - 95.9	54,062	99.0	98.8 - 99.2
55-64	64,548	96.8	96.5 - 97.0	18,428	93.8	93.1 - 94.4	46,120	97.9	97.6 - 98.2
65-74	43,928	95.5	95.0 - 95.9	14,496	91.5	90.5 - 92.5	29,432	97.2	96.8 - 97.6
75+	21,341	87.6	86.5 - 88.6	7,433	85.0	82.7 - 86.9	13,908	88.8	87.6 - 89.8

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹
Total	31,725	96.3	95.7 - 96.7	7,831	93.6	92.3 - 94.7	23,894	97.2	96.6 - 97.8
Stage									
Localized	8,940	99.9	98.2 - 100.0	1,860	98.9	96.8 - 99.6	7,080	-	-
Regional	3,029	93.4	90.7 - 95.4	967	90.4	85.8 - 93.6	2,062	95.3	91.5 - 97.5
Distant	423	61.4	55.1 - 67.1	208	60.6	52.4 - 67.9	215	62.9	54.2 - 70.5
Unstaged	19,427	95.8	95.1 - 96.4	4,822	93.2	91.7 - 94.5	14,605	96.6	95.8 - 97.3
Age Group*									
15-44	11,031	99.6	99.3 - 99.8	2,200	99.0	98.2 - 99.4	8,831	99.7	99.4 - 99.9
45-54	8,017	99.1	98.7 - 99.4	1,778	97.6	96.2 - 98.4	6,239	99.5	99.0 - 99.8
55-64	6,521	97.9	97.2 - 98.4	1,825	94.9	93.1 - 96.3	4,696	98.9	97.8 - 99.4
65-74	4,162	95.2	93.6 - 96.5	1,374	91.0	87.5 - 93.5	2,788	97.3	95.1 - 98.5
75+	2,025	85.1	82.0 - 87.6	662	79.8	72.1 - 85.6	1,363	87.0	83.7 - 89.7

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
Total	340,211	96.2	96.0 - 96.4	84,369	93.7	93.3 - 94.1	255,842	97.2	97.0 - 97.3
Stage									
Localized	218,700	99.6	99.5 - 99.7	46,918	99.1	98.8 - 99.3	171,782	99.7	99.6 - 99.8
Regional	83,760	95.1	94.7 - 95.5	25,783	93.5	92.7 - 94.3	57,977	95.9	95.4 - 96.4
Distant	11,179	59.9	58.7 - 61.0	4,965	54.5	52.6 - 56.3	6,214	64.0	62.6 - 65.4
Unstaged	27,091	92.4	91.7 - 93.0	6,912	89.7	88.4 - 90.8	20,179	93.3	92.6 - 94.0
Age Group*									
15-44	119,496	99.4	99.3 - 99.5	22,198	98.4	98.1 - 98.7	97,298	99.6	99.5 - 99.7
45-54	78,284	98.3	98.1 - 98.4	17,983	95.6	95.1 - 96.1	60,301	99.1	98.9 - 99.2
55-64	71,069	96.9	96.6 - 97.1	20,253	93.9	93.3 - 94.5	50,816	98.0	97.7 - 98.3
65-74	48,090	95.5	95.0 - 95.9	15,870	91.5	90.5 - 92.4	32,220	97.3	96.9 - 97.6
75+	23,366	87.5	86.5 - 88.5	8,095	84.5	82.4 - 86.4	15,271	88.7	87.6 - 89.7

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	54,754	84.5	84.1 - 84.9	30,252	83.3	82.7 - 83.8	24,502	86.1	85.5 - 86.7
Race									
White	44,642	85.0	84.6 - 85.4	24,788	83.8	83.2 - 84.4	19,854	86.5	85.9 - 87.1
Black	7,393	81.2	79.6 - 82.7	3,967	79.5	77.3 - 81.5	3,426	83.2	81.2 - 85.1
Stage									
Localized	8,063	90.6	89.7 - 91.5	4,610	90.1	88.7 - 91.4	3,453	91.3	89.9 - 92.5
Regional	19,646	88.7	87.9 - 89.4	9,670	87.6	86.5 - 88.7	9,976	89.7	88.6 - 90.6
Distant	22,927	79.4	78.7 - 80.0	13,708	78.1	77.2 - 79.0	9,219	81.1	80.2 - 82.1
Unstaged	4,134	83.0	81.6 - 84.4	2,274	81.8	79.8 - 83.7	1,860	84.7	82.7 - 86.5
Age Group*									
15-44	29,870	94.7	94.4 - 95.1	15,723	93.8	93.3 - 94.3	14,147	95.8	95.3 - 96.2
45-54	7,232	86.2	85.1 - 87.3	4,509	84.5	83.1 - 85.9	2,723	89.1	87.4 - 90.6
55-64	6,816	78.3	76.9 - 79.6	4,107	76.2	74.3 - 78.0	2,709	81.4	79.3 - 83.3
65-74	5,817	67.1	65.3 - 68.8	3,343	64.7	62.3 - 67.0	2,474	69.8	67.1 - 72.4
75+	5,019	45.2	42.8 - 47.6	2,570	44.4	40.9 - 47.8	2,449	46.1	42.8 - 49.3

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹
Total	4,785	86.0	84.6 - 87.2	2,628	85.1	83.2 - 86.8	2,157	86.7	84.9 - 88.4
Stage									
Localized	162	93.5	88.5 - 96.4	106	96.0	89.1 - 98.5	56	86.9	69.9 - 94.7*
Regional	531	88.1	83.6 - 91.5	272	93.4	88.4 - 96.3*	259	86.2	79.9 - 90.7
Distant	654	82.8	78.3 - 86.4	395	81.1	74.9 - 85.8	259	84.0	77.9 - 88.5
Unstaged	3,438	85.4	83.8 - 86.8	1,855	84.1	81.8 - 86.2	1,583	86.6	84.4 - 88.5
Age Group*									
15-44	2,734	95.7	94.4 - 96.6	1,458	94.9	93.0 - 96.2	1,276	96.6	94.8 - 97.7
45-54	565	91.5	87.9 - 94.1	350	90.8	85.6 - 94.2	215	92.3	87.0 - 95.5
55-64	550	78.1	73.2 - 82.3	340	78.1	71.8 - 83.1	210	77.8	69.0 - 84.3
65-74	505	66.1	59.8 - 71.7	269	64.1	54.6 - 72.1	236	67.9	58.8 - 75.3
75+	431	49.8	42.5 - 56.6	211	48.6	37.8 - 58.6	220	50.2	40.9 - 58.7

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
Total	59,539	84.6	84.2 - 85.0	32,880	83.4	82.9 - 83.9	26,659	86.2	85.6 - 86.7
Stage									
Localized	8,225	90.7	89.8 - 91.6	4,716	90.3	88.9 - 91.5	3,509	91.3	89.9 - 92.5
Regional	20,177	88.7	87.9 - 89.4	9,942	87.7	86.6 - 88.8	10,235	89.6	88.6 - 90.6
Distant	23,581	79.5	78.8 - 80.1	14,103	78.2	77.4 - 79.1	9,478	81.3	80.3 - 82.2
Unstaged	7,572	84.2	83.1 - 85.2	4,129	82.9	81.4 - 84.4	3,443	85.6	84.1 - 86.9
Age Group*									
15-44	32,604	94.8	94.5 - 95.1	17,181	93.9	93.4 - 94.3	15,423	95.8	95.4 - 96.2
45-54	7,797	86.6	85.6 - 87.6	4,859	85.0	83.6 - 86.3	2,938	89.4	87.8 - 90.8
55-64	7,366	78.3	77.0 - 79.6	4,447	76.4	74.5 - 78.1	2,919	81.2	79.2 - 83.1
65-74	6,322	67.0	65.3 - 68.7	3,612	64.7	62.4 - 67.0	2,710	69.7	67.1 - 72.1
75+	5,450	45.6	43.3 - 47.9	2,781	44.7	41.4 - 48.0	2,669	46.5	43.4 - 49.6

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	436,875	70.3	70.0 - 70.5	238,444	68.0	67.7 - 68.3	198,431	73.0	72.7 - 73.3
Race									
White	377,642	71.0	70.7 - 71.2	207,172	68.7	68.4 - 69.1	170,470	73.7	73.4 - 74.0
Black	36,252	62.8	61.9 - 63.7	18,975	59.9	58.5 - 61.2	17,277	65.9	64.7 - 67.1
Stage									
Localized	112,732	81.1	80.7 - 81.5	58,968	79.8	79.2 - 80.4	53,764	82.5	81.9 - 83.1
Regional	62,094	73.1	72.6 - 73.7	33,514	72.2	71.4 - 73.0	28,580	74.4	73.6 - 75.2
Distant	215,275	63.4	63.1 - 63.7	121,227	61.0	60.6 - 61.5	94,048	66.6	66.2 - 67.0
Unstaged	51,987	70.9	70.3 - 71.5	27,613	67.8	66.9 - 68.6	24,374	74.5	73.6 - 75.3
Age Group*									
15-44	39,486	83.4	83.0 - 83.9	23,309	81.2	80.6 - 81.8	16,177	86.6	86.0 - 87.2
45-54	51,446	80.6	80.1 - 81.0	29,275	77.4	76.7 - 78.0	22,171	84.8	84.2 - 85.4
55-64	93,299	76.6	76.2 - 77.0	52,476	73.6	73.0 - 74.1	40,823	80.5	80.0 - 81.0
65-74	117,208	72.0	71.6 - 72.4	64,385	69.8	69.3 - 70.4	52,823	74.5	74.0 - 75.1
75+	136,267	56.0	55.5 - 56.5	69,445	54.8	54.1 - 55.6	66,822	57.2	56.5 - 57.9

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹
Total	42,243	68.5	67.8 - 69.1	23,271	66.5	65.5 - 67.4	18,972	70.8	69.9 - 71.8
Stage									
Localized	2,684	79.3	76.6 - 81.7	1,431	77.7	73.6 - 81.2	1,253	80.2	76.6 - 83.3
Regional	1,759	71.7	68.4 - 74.7	972	68.7	63.8 - 73.1	787	74.7	70.2 - 78.6
Distant	9,315	65.9	64.4 - 67.3	5,337	63.9	61.8 - 65.9	3,978	68.2	66.0 - 70.3
Unstaged	28,629	67.8	67.0 - 68.6	15,606	65.7	64.6 - 66.9	13,023	70.3	69.1 - 71.4
Age Group*									
15-44	3,711	85.4	84.0 - 86.6	2,175	83.6	81.7 - 85.4	1,536	87.8	85.8 - 89.6
45-54	5,068	81.1	79.6 - 82.4	2,914	79.0	77.0 - 80.8	2,154	83.8	81.7 - 85.6
55-64	9,188	76.8	75.6 - 78.0	5,169	74.3	72.6 - 75.9	4,019	80.0	78.3 - 81.6
65-74	11,049	70.0	68.7 - 71.3	6,171	68.0	66.1 - 69.8	4,878	72.4	70.5 - 74.1
75+	13,345	51.0	49.5 - 52.5	6,900	49.4	47.2 - 51.6	6,445	52.6	50.5 - 54.6

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
Total	479,118	70.1	69.9 - 70.3	261,715	67.9	67.6 - 68.2	217,403	72.8	72.5 - 73.1
Stage									
Localized	115,416	81.1	80.6 - 81.5	60,399	79.8	79.2 - 80.4	55,017	82.5	81.9 - 83.0
Regional	63,853	73.1	72.6 - 73.7	34,486	72.1	71.3 - 72.9	29,367	74.4	73.7 - 75.2
Distant	224,590	63.5	63.2 - 63.8	126,564	61.2	60.7 - 61.6	98,026	66.7	66.2 - 67.1
Unstaged	80,616	69.8	69.3 - 70.3	43,219	67.1	66.4 - 67.8	37,397	73.0	72.4 - 73.7
Age Group*									
15-44	43,197	83.6	83.2 - 84.0	25,484	81.4	80.8 - 82.0	17,713	86.7	86.1 - 87.3
45-54	56,514	80.6	80.2 - 81.0	32,189	77.5	76.9 - 78.1	24,325	84.7	84.2 - 85.3
55-64	102,487	76.6	76.3 - 77.0	57,645	73.6	73.1 - 74.1	44,842	80.5	80.0 - 81.0
65-74	128,257	71.8	71.4 - 72.2	70,556	69.7	69.1 - 70.2	57,701	74.4	73.8 - 74.9
75+	149,612	55.6	55.1 - 56.1	76,345	54.3	53.6 - 55.0	73,267	56.8	56.2 - 57.5

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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
Total	157,032	54.0	53.6 - 54.4	87,421	53.3	52.8 - 53.9	69,611	55.0	54.4 - 55.5
Race									
White	117,286	54.1	53.6 - 54.5	67,381	53.5	52.9 - 54.1	49,905	54.9	54.3 - 55.6
Black	32,907	53.5	52.6 - 54.3	16,310	52.2	50.9 - 53.5	16,597	54.8	53.6 - 55.9
Stage									
Localized	6,989	67.2	65.4 - 68.9	4,310	67.4	64.9 - 69.7	2,679	67.0	64.3 - 69.6
Regional	12	-	-	-	-	-	-	-	-
Distant	151,398	53.3	52.9 - 53.7	83,934	52.5	51.9 - 53.0	67,464	54.3	53.8 - 54.9
Unstaged	141	-	-	89	85.0	72.6 - 92.1 *	52	0.0	-
Age Group*									
15-44	4,959	76.7	75.1 - 78.3	2,848	75.5	73.3 - 77.5	2,111	78.4	75.9 - 80.7
45-54	16,391	68.3	67.3 - 69.3	9,198	66.0	64.6 - 67.4	7,193	71.2	69.7 - 72.6
55-64	36,438	62.5	61.7 - 63.2	20,852	61.4	60.4 - 62.4	15,586	63.9	62.8 - 65.0
65-74	48,072	54.2	53.5 - 54.9	27,341	53.3	52.3 - 54.3	20,731	55.3	54.3 - 56.4
75+	51,331	35.8	35.0 - 36.5	27,288	36.3	35.2 - 37.4	24,043	35.2	34.1 - 36.2

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Subgroup	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹
Total	14,703	51.4	50.1 - 52.6	8,414	51.0	49.3 - 52.7	6,289	51.9	50.0 - 53.8
Stage									
Localized	178	70.2	58.6 - 79.1	115	69.6	54.2 - 80.7	63	67.8	48.3 - 81.3 *
Regional	-	-	-	-	-	-	-	-	-
Distant	11,532	50.9	49.4 - 52.3	6,573	49.9	48.0 - 51.9	4,959	52.1	50.0 - 54.2
Unstaged	3,184	51.8	49.1 - 54.4	1,855	52.3	48.8 - 55.7	1,329	50.1	45.7 - 54.3
Age Group*									
15-44	350	80.4	74.3 - 85.3	202	83.2	75.1 - 88.9	148	76.7	66.4 - 84.2
45-54	1,277	66.2	62.3 - 69.8	764	65.8	60.7 - 70.4	513	66.9	60.7 - 72.3
55-64	2,981	61.2	58.6 - 63.7	1,767	58.8	55.4 - 62.1	1,214	64.6	60.5 - 68.4
65-74	4,362	50.3	47.9 - 52.6	2,599	50.2	47.0 - 53.3	1,763	50.4	46.8 - 54.0
75+	5,759	31.5	29.3 - 33.7	3,099	31.8	28.7 - 35.0	2,660	31.1	28.0 - 34.1

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
Total	171,735	53.8	53.4 - 54.1	95,835	53.1	52.6 - 53.6	75,900	54.7	54.2 - 55.2
Stage									
Localized	7,167	67.3	65.5 - 69.0	4,425	67.5	65.1 - 69.8	2,742	67.1	64.5 - 69.7
Regional	12	-	-	-	-	-	-	-	-
Distant	162,930	53.1	52.7 - 53.5	90,507	52.3	51.7 - 52.8	72,423	54.2	53.6 - 54.7
Unstaged	3,325	51.7	49.0 - 54.3	1,944	52.3	48.8 - 55.7	1,381	49.7	45.3 - 53.9
Age Group*									
15-44	5,309	77.0	75.4 - 78.4	3,050	76.0	73.9 - 77.9	2,259	78.3	75.9 - 80.5
45-54	17,668	68.1	67.2 - 69.1	9,962	66.0	64.7 - 67.3	7,706	70.9	69.5 - 72.3
55-64	39,419	62.4	61.7 - 63.1	22,619	61.2	60.3 - 62.2	16,800	63.9	62.9 - 65.0
65-74	52,434	53.9	53.2 - 54.5	29,940	53.0	52.1 - 54.0	22,494	54.9	53.9 - 56.0
75+	57,090	35.3	34.6 - 36.1	30,387	35.9	34.8 - 36.9	26,703	34.8	33.7 - 35.8

- 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 2010-2016
Complete Method, Follow-Up Through 2016 for Leukemias**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	299,006	56.3	56.0 - 56.5	174,565	56.1	55.7 - 56.4	124,441	56.4	56.0 - 56.8
<i>Race</i>									
White	259,229	56.8	56.5 - 57.1	152,799	56.5	56.1 - 56.9	106,430	57.2	56.8 - 57.6
Black	25,214	48.2	47.3 - 49.2	13,442	48.4	47.0 - 49.8	11,772	47.9	46.6 - 49.3
<i>Stage</i>									
Localized	-	-		-	-		-	-	
Regional	-	-		-	-		-	-	
Distant	-	-		-	-		-	-	
Unstaged	-	-		-	-		-	-	
<i>Age Group*</i>									
15-44	31,725	69.6	69.0 - 70.2	18,098	69.5	68.7 - 70.4	13,627	69.7	68.8 - 70.7
45-54	31,174	70.2	69.6 - 70.9	18,182	71.6	70.8 - 72.4	12,992	68.3	67.3 - 69.2
55-64	59,025	65.4	64.8 - 65.9	35,699	65.7	65.1 - 66.4	23,326	64.8	64.0 - 65.5
65-74	77,977	55.6	55.1 - 56.1	47,522	55.0	54.3 - 55.6	30,455	56.5	55.8 - 57.3
75+	99,411	40.7	40.1 - 41.2	55,267	39.9	39.1 - 40.7	44,144	41.6	40.8 - 42.4

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	31,983	61.9	61.1 - 62.6	19,044	61.7	60.7 - 62.8	12,939	62.0	60.8 - 63.2
<i>Stage</i>									
Localized	-	-		-	-		-	-	
Regional	-	-		-	-		-	-	
Distant	-	-		-	-		-	-	
Unstaged	-	-		-	-		-	-	
<i>Age Group*</i>									
15-44	2,519	75.3	73.1 - 77.2	1,395	77.1	74.3 - 79.6	1,124	73.0	69.6 - 76.0
45-54	3,195	77.6	75.8 - 79.3	1,881	79.4	77.0 - 81.5	1,314	74.9	71.9 - 77.6
55-64	6,295	72.5	71.1 - 74.0	3,910	72.2	70.2 - 74.1	2,385	73.1	70.9 - 75.3
65-74	8,426	62.3	60.8 - 63.8	5,250	62.1	60.1 - 64.1	3,176	62.6	60.2 - 64.9
75+	11,579	43.2	41.6 - 44.8	6,631	42.1	39.9 - 44.3	4,948	44.6	42.3 - 47.0

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	330,989	56.8	56.5 - 57.0	193,609	56.6	56.3 - 57.0	137,380	56.9	56.6 - 57.3
<i>Stage</i>									
Localized	-	-		-	-		-	-	
Regional	-	-		-	-		-	-	
Distant	-	-		-	-		-	-	
Unstaged	-	-		-	-		-	-	
<i>Age Group*</i>									
15-44	34,244	70.0	69.4 - 70.6	19,493	70.1	69.3 - 70.9	14,751	70.0	69.1 - 70.9
45-54	34,369	70.9	70.3 - 71.5	20,063	72.4	71.6 - 73.1	14,306	68.9	67.9 - 69.8
55-64	65,320	66.0	65.6 - 66.5	39,609	66.4	65.7 - 67.0	25,711	65.5	64.8 - 66.3
65-74	86,403	56.2	55.8 - 56.7	52,772	55.7	55.0 - 56.3	33,631	57.1	56.4 - 57.8
75+	110,990	41.0	40.4 - 41.5	61,898	40.1	39.4 - 40.9	49,092	41.9	41.1 - 42.7

- 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 2010-2016
Complete Method, Follow-Up Through 2016 for Mesothelioma**

NAACCR U.S. Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	20,930	15.0	14.2 - 15.8	15,795	12.7	11.7 - 13.7	5,135	19.7	18.2 - 21.3
<i>Race</i>									
White	19,366	14.7	13.9 - 15.6	14,671	12.6	11.6 - 13.7	4,695	19.3	17.7 - 21.0
Black	1,045	15.7	12.9 - 18.7	748	11.8	8.7 - 15.5	297	21.4	16.3 - 27.0
<i>Stage</i>									
Localized	2,336	24.6	21.8 - 27.6	1,689	23.1	19.5 - 26.8	647	28.9	23.7 - 34.2
Regional	3,546	17.4	15.3 - 19.5	2,690	15.8	13.5 - 18.3	856	20.1	16.3 - 24.3
Distant	13,008	11.2	10.3 - 12.2	9,906	9.3	8.2 - 10.5	3,102	15.5	13.7 - 17.4
Unstaged	2,094	21.9	19.2 - 24.7	1,552	18.3	15.1 - 21.7	542	28.6	23.4 - 34.1
<i>Age Group*</i>									
15-44	554	48.8	43.3 - 54.0	270	37.7	30.4 - 45.0	284	60.1	52.2 - 67.1
45-54	1,076	26.5	23.1 - 30.0	627	23.9	19.6 - 28.4	449	30.2	24.8 - 35.7
55-64	3,031	16.6	14.8 - 18.5	2,124	14.1	12.1 - 16.2	907	22.5	18.8 - 26.4
65-74	6,197	10.2	9.0 - 11.4	4,830	8.6	7.4 - 9.9	1,367	15.8	13.0 - 18.8
75+	10,077	5.5	4.8 - 6.4	7,947	5.0	4.2 - 5.9	2,130	7.4	5.6 - 9.4

NAACCR Canadian Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	2,891	13.4	11.3 - 15.7	2,322	6.9	5.5 - 8.6 *	569	19.0	14.7 - 23.6
<i>Stage</i>									
Localized	121	12.6	7.5 - 19.1	97	8.9	2.6 - 19.9 *	24	-	
Regional	164	9.6	3.9 - 18.4 *	138	6.8	1.9 - 15.9 *	26	-	
Distant	923	3.6	1.9 - 6.1 *	771	3.8	1.9 - 6.7 *	152	2.5	0.5 - 7.5
Unstaged	1,683	16.1	13.4 - 19.1	1,316	8.2	6.3 - 10.4 *	367	25.3	20.0 - 31.1
<i>Age Group*</i>									
15-44	54	56.4	38.7 - 70.8	24	-		30	58.0	37.5 - 73.9
45-54	120	19.6	10.6 - 30.7	66	-		54	24.7	11.2 - 41.0
55-64	441	14.6	10.3 - 19.6	330	12.1	7.6 - 17.6	111	21.4	11.7 - 33.0
65-74	906	7.5	5.3 - 10.2	735	5.4	3.4 - 8.1	171	15.9	9.6 - 23.7
75+	1,372	5.4	3.6 - 7.7	1,168	4.8	3.1 - 7.2	204	8.3	3.0 - 17.0

NAACCR North America Combined	MALES AND FEMALES			MALES			FEMALES		
	Count	RSR ¹	95% CI ¹	Count	RSR ¹	95% CI ¹	Count.	RSR ¹	95% CI ¹
<i>Subgroup</i>									
Total	23,821	14.8	14.0 - 15.5	18,117	12.5	11.6 - 13.4	5,704	19.6	18.2 - 21.1
<i>Stage</i>									
Localized	2,457	24.0	21.2 - 26.8	1,786	22.7	19.3 - 26.3	671	27.8	22.7 - 33.1
Regional	3,710	17.3	15.3 - 19.3	2,828	15.7	13.5 - 18.1	882	20.5	16.7 - 24.6
Distant	13,931	10.9	10.0 - 11.9	10,677	9.1	8.1 - 10.3	3,254	14.9	13.1 - 16.8
Unstaged	3,777	19.3	17.4 - 21.3	2,868	15.6	13.3 - 18.1	909	27.0	23.1 - 31.0
<i>Age Group*</i>									
15-44	608	49.3	44.1 - 54.4	294	38.8	31.7 - 45.9	314	59.8	52.4 - 66.4
45-54	1,196	25.8	22.6 - 29.2	693	23.1	19.0 - 27.4	503	29.6	24.5 - 34.8
55-64	3,472	16.4	14.7 - 18.1	2,454	13.9	12.0 - 15.8	1,018	22.4	19.0 - 26.1
65-74	7,103	9.8	8.8 - 10.9	5,565	8.2	7.1 - 9.3	1,538	15.7	13.1 - 18.6
75+	11,449	5.5	4.8 - 6.3	9,115	5.0	4.3 - 5.9	2,334	7.5	5.8 - 9.5

- 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



Section III

Five Year Age-Standardized Relative Survival Ratios for Cancers Diagnosed 2010-2016, by Registry and Race



**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	1,494,157	89.3	89.1 - 89.4
Alabama	-	-	-	-	-	-	24,790	88.3	87.3 - 89.1
Alaska	-	-	-	-	-	-	2,886	86.7	82.9 - 89.7
Arizona	-	-	-	-	-	-	30,028	88.5	87.6 - 89.3
Arkansas	-	-	-	-	-	-	14,077	88.6	87.2 - 89.9
California	-	-	-	-	-	-	172,922	89.6	89.2 - 89.9
CA - Greater California	-	-	-	-	-	-	95,601	89.2	88.8 - 89.7
CA - Greater Bay Area	-	-	-	-	-	-	34,764	91.6	90.8 - 92.3
CA - Los Angeles	-	-	-	-	-	-	42,608	88.7	87.9 - 89.4
Colorado	-	-	-	-	-	-	24,346	91.1	90.1 - 92.0
Connecticut	-	-	-	-	-	-	21,467	91.0	90.0 - 91.9
Delaware	-	-	-	-	-	-	5,351	87.5	85.3 - 89.3
District of Columbia	-	-	-	-	-	-	3,240	84.9	82.2 - 87.3
Florida	-	-	-	-	-	-	105,331	89.0	88.6 - 89.4
Georgia	-	-	-	-	-	-	47,097	87.5	86.8 - 88.3
Hawaii	-	-	-	-	-	-	7,764	89.3	87.6 - 90.8
Idaho	-	-	-	-	-	-	7,422	90.4	88.9 - 91.7
Illinois	-	-	-	-	-	-	66,914	90.2	89.6 - 90.8
Iowa	-	-	-	-	-	-	16,002	89.7	88.5 - 90.7
Kentucky	-	-	-	-	-	-	22,785	88.5	87.3 - 89.5
Louisiana	-	-	-	-	-	-	22,561	85.5	84.3 - 86.6
Maine	-	-	-	-	-	-	7,896	92.0	90.3 - 93.4
Maryland	-	-	-	-	-	-	31,643	89.1	88.2 - 89.9
Michigan	-	-	-	-	-	-	51,446	87.6	86.9 - 88.2
MI - Detroit	-	-	-	-	-	-	21,579	87.4	86.3 - 88.4
Minnesota	-	-	-	-	-	-	27,826	92.8	92.0 - 93.6
Mississippi	-	-	-	-	-	-	14,147	85.4	83.9 - 86.7
Missouri	-	-	-	-	-	-	32,088	89.4	88.5 - 90.2
Montana	-	-	-	-	-	-	5,399	88.0	85.7 - 89.9
Nebraska	-	-	-	-	-	-	9,139	89.1	87.5 - 90.5
Nevada	-	-	-	-	-	-	11,798	85.3	83.8 - 86.6
New Hampshire	-	-	-	-	-	-	8,189	91.5	89.7 - 93.0
New Jersey	-	-	-	-	-	-	49,542	88.5	87.8 - 89.1
New Mexico	-	-	-	-	-	-	9,354	87.4	85.8 - 88.9
New York	-	-	-	-	-	-	105,350	87.9	87.4 - 88.4
North Carolina	-	-	-	-	-	-	53,630	89.8	89.1 - 90.5
North Dakota	-	-	-	-	-	-	3,429	91.5	88.8 - 93.6
Ohio	-	-	-	-	-	-	61,618	89.7	89.1 - 90.3
Oklahoma	-	-	-	-	-	-	17,982	89.3	88.2 - 90.3
Oregon	-	-	-	-	-	-	21,006	92.1	91.1 - 93.1
Pennsylvania	-	-	-	-	-	-	73,420	89.5	89.0 - 90.0
Rhode Island	-	-	-	-	-	-	5,941	92.0	89.9 - 93.6
South Carolina	-	-	-	-	-	-	25,982	88.5	87.5 - 89.4
Tennessee	-	-	-	-	-	-	33,238	89.5	88.6 - 90.4
Texas	-	-	-	-	-	-	104,941	88.8	88.3 - 89.3
Utah	-	-	-	-	-	-	9,791	88.7	87.2 - 90.1
Vermont	-	-	-	-	-	-	3,638	92.3	89.5 - 94.4
Virginia	-	-	-	-	-	-	41,425	88.8	88.0 - 89.6
Washington	-	-	-	-	-	-	36,657	92.4	91.6 - 93.1
WA - Seattle	-	-	-	-	-	-	26,153	92.2	91.4 - 92.9
West Virginia	-	-	-	-	-	-	9,899	89.1	87.7 - 90.4
Wisconsin	-	-	-	-	-	-	30,261	91.2	90.4 - 92.0
Wyoming	-	-	-	-	-	-	2,499	88.3	84.6 - 91.2
NAACCR CDN Combined	-	-	-	-	-	-	133,707	87.8	87.4 - 88.2
Alberta	-	-	-	-	-	-	16,708	89.2	88.0 - 90.2
British Columbia	-	-	-	-	-	-	23,185	87.4	86.5 - 88.3
Manitoba	-	-	-	-	-	-	5,869	88.0	86.4 - 89.4
New Brunswick	-	-	-	-	-	-	4,028	87.6	85.3 - 89.5
Newfoundland and Labrador	-	-	-	-	-	-	2,961	85.1	81.8 - 87.7
Nova Scotia	-	-	-	-	-	-	5,307	86.7	84.6 - 88.5
Ontario	-	-	-	-	-	-	69,836	87.7	87.1 - 88.2
Prince Edward Island	-	-	-	-	-	-	812	90.4	84.6 - 94.0
Saskatchewan	-	-	-	-	-	-	5,001	87.3	85.3 - 89.1
NAACCR N.A. Combined	-	-	-	-	-	-	1,627,864	89.1	89.0 - 89.2

- 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-12 Survival – Female Breast

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	83,215	61.0	60.5 - 61.5
Alabama	-	-	-	-	-	-	1,576	53.1	49.6 - 56.4
Alaska	-	-	-	-	-	-	158	68.2	57.2 - 77.0*
Arizona	-	-	-	-	-	-	1,524	61.8	58.4 - 65.1
Arkansas	-	-	-	-	-	-	1,008	54.9	49.8 - 59.6
California	-	-	-	-	-	-	10,008	60.0	58.5 - 61.4
CA - Greater California	-	-	-	-	-	-	5,542	58.7	56.7 - 60.6
CA - Greater Bay Area	-	-	-	-	-	-	1,589	66.4	62.8 - 69.8
CA - Los Angeles	-	-	-	-	-	-	2,877	58.1	55.4 - 60.7
Colorado	-	-	-	-	-	-	1,124	66.0	60.8 - 70.6
Connecticut	-	-	-	-	-	-	880	65.0	60.4 - 69.3
Delaware	-	-	-	-	-	-	287	57.5	51.0 - 63.5
District of Columbia	-	-	-	-	-	-	227	55.3	47.0 - 62.9
Florida	-	-	-	-	-	-	6,666	62.0	60.2 - 63.6
Georgia	-	-	-	-	-	-	2,796	55.8	53.0 - 58.5
Hawaii	-	-	-	-	-	-	350	59.6	52.1 - 66.4
Idaho	-	-	-	-	-	-	351	59.4	51.7 - 66.3
Illinois	-	-	-	-	-	-	3,658	63.8	61.6 - 66.0
Iowa	-	-	-	-	-	-	763	62.3	57.5 - 66.7
Kentucky	-	-	-	-	-	-	1,425	60.0	56.0 - 63.8
Louisiana	-	-	-	-	-	-	1,462	58.7	54.8 - 62.3
Maine	-	-	-	-	-	-	305	61.4	54.1 - 67.9
Maryland	-	-	-	-	-	-	1,488	65.3	61.8 - 68.6
Michigan	-	-	-	-	-	-	2,415	59.7	56.7 - 62.6
MI - Detroit	-	-	-	-	-	-	1,019	56.3	51.9 - 60.4
Minnesota	-	-	-	-	-	-	1,075	67.9	62.9 - 72.4
Mississippi	-	-	-	-	-	-	1,029	55.8	51.7 - 59.7
Missouri	-	-	-	-	-	-	1,814	57.6	54.2 - 60.8
Montana	-	-	-	-	-	-	252	68.6	59.7 - 75.9*
Nebraska	-	-	-	-	-	-	450	57.8	51.1 - 64.0
Nevada	-	-	-	-	-	-	810	56.7	51.4 - 61.6
New Hampshire	-	-	-	-	-	-	241	65.4	57.3 - 72.3
New Jersey	-	-	-	-	-	-	2,650	59.0	56.4 - 61.5
New Mexico	-	-	-	-	-	-	568	60.5	53.6 - 66.6
New York	-	-	-	-	-	-	5,824	59.3	57.4 - 61.1
North Carolina	-	-	-	-	-	-	2,625	61.4	58.6 - 64.1
North Dakota	-	-	-	-	-	-	125	71.3	59.6 - 80.2*
Ohio	-	-	-	-	-	-	3,216	59.9	57.3 - 62.5
Oklahoma	-	-	-	-	-	-	1,188	58.8	53.9 - 63.3
Oregon	-	-	-	-	-	-	935	65.2	60.6 - 69.5
Pennsylvania	-	-	-	-	-	-	3,586	62.3	60.0 - 64.6
Rhode Island	-	-	-	-	-	-	265	64.7	58.5 - 70.2
South Carolina	-	-	-	-	-	-	1,368	57.5	53.4 - 61.3
Tennessee	-	-	-	-	-	-	2,050	57.5	54.2 - 60.6
Texas	-	-	-	-	-	-	8,438	61.1	59.4 - 62.7
Utah	-	-	-	-	-	-	461	67.0	60.4 - 72.7
Vermont	-	-	-	-	-	-	101	69.4	56.8 - 79.0
Virginia	-	-	-	-	-	-	1,878	62.3	59.0 - 65.4
Washington	-	-	-	-	-	-	1,678	70.1	66.6 - 73.3
WA - Seattle	-	-	-	-	-	-	1,203	69.0	64.8 - 72.8
West Virginia	-	-	-	-	-	-	652	57.9	52.4 - 63.1
Wisconsin	-	-	-	-	-	-	1,329	65.2	61.5 - 68.7
Wyoming	-	-	-	-	-	-	136	52.6	40.8 - 63.1
NAACCR CDN Combined	-	-	-	-	-	-	7,690	67.9	66.3 - 69.4
Alberta	-	-	-	-	-	-	1,103	70.6	66.1 - 74.5
British Columbia	-	-	-	-	-	-	1,254	71.2	67.5 - 74.5
Manitoba	-	-	-	-	-	-	332	59.2	47.9 - 68.9
New Brunswick	-	-	-	-	-	-	199	66.3	56.9 - 74.1
Newfoundland and Labrador	-	-	-	-	-	-	216	74.2	65.9 - 80.7*
Nova Scotia	-	-	-	-	-	-	277	64.6	56.8 - 71.4
Ontario	-	-	-	-	-	-	3,948	67.0	64.8 - 69.1
Prince Edward Island	-	-	-	-	-	-	47	-	-
Saskatchewan	-	-	-	-	-	-	314	60.6	52.6 - 67.6
NAACCR N.A. Combined	-	-	-	-	-	-	90,905	61.6	61.1 - 62.1

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	338,302	77.6	77.3 - 77.9
Alabama	-	-	-	-	-	-	4,235	72.1	69.5 - 74.5
Alaska	-	-	-	-	-	-	621	80.6	72.2 - 86.7
Arizona	-	-	-	-	-	-	6,250	78.5	76.4 - 80.4
Arkansas	-	-	-	-	-	-	2,918	74.9	71.9 - 77.7
California	-	-	-	-	-	-	38,340	77.0	76.2 - 77.8
CA - Greater California	-	-	-	-	-	-	20,485	77.3	76.2 - 78.4
CA - Greater Bay Area	-	-	-	-	-	-	7,694	78.5	76.9 - 80.1
CA - Los Angeles	-	-	-	-	-	-	10,163	74.8	73.1 - 76.4
Colorado	-	-	-	-	-	-	4,723	80.3	78.0 - 82.4
Connecticut	-	-	-	-	-	-	4,935	81.1	78.9 - 83.1
Delaware	-	-	-	-	-	-	1,302	77.6	72.8 - 81.6
District of Columbia	-	-	-	-	-	-	753	65.9	60.3 - 70.9
Florida	-	-	-	-	-	-	22,437	76.8	75.9 - 77.8
Georgia	-	-	-	-	-	-	9,015	72.0	70.2 - 73.8
Hawaii	-	-	-	-	-	-	1,791	75.6	71.3 - 79.4
Idaho	-	-	-	-	-	-	1,630	74.8	70.2 - 78.9
Illinois	-	-	-	-	-	-	16,197	77.7	76.6 - 78.8
Iowa	-	-	-	-	-	-	4,294	80.9	78.4 - 83.1
Kentucky	-	-	-	-	-	-	5,104	79.1	76.3 - 81.5
Louisiana	-	-	-	-	-	-	3,809	70.6	67.6 - 73.3
Maine	-	-	-	-	-	-	2,132	82.2	79.0 - 84.9
Maryland	-	-	-	-	-	-	7,035	73.3	71.2 - 75.2
Michigan	-	-	-	-	-	-	13,161	77.1	75.7 - 78.5
MI - Detroit	-	-	-	-	-	-	5,310	76.4	74.3 - 78.4
Minnesota	-	-	-	-	-	-	7,009	81.7	79.8 - 83.5
Mississippi	-	-	-	-	-	-	2,697	68.9	65.6 - 72.0
Missouri	-	-	-	-	-	-	7,120	79.5	77.6 - 81.3
Montana	-	-	-	-	-	-	1,194	78.8	73.4 - 83.3
Nebraska	-	-	-	-	-	-	2,111	80.5	77.2 - 83.4
Nevada	-	-	-	-	-	-	2,316	76.6	73.0 - 79.8
New Hampshire	-	-	-	-	-	-	2,057	81.4	77.7 - 84.6
New Jersey	-	-	-	-	-	-	12,592	77.4	76.0 - 78.7
New Mexico	-	-	-	-	-	-	2,124	78.7	75.4 - 81.6
New York	-	-	-	-	-	-	27,567	74.1	73.1 - 75.0
North Carolina	-	-	-	-	-	-	10,822	78.4	76.8 - 79.9
North Dakota	-	-	-	-	-	-	765	76.8	71.1 - 81.6
Ohio	-	-	-	-	-	-	15,561	79.1	77.7 - 80.4
Oklahoma	-	-	-	-	-	-	3,567	78.3	75.2 - 81.1
Oregon	-	-	-	-	-	-	4,905	82.5	79.9 - 84.8
Pennsylvania	-	-	-	-	-	-	19,797	79.5	78.5 - 80.5
Rhode Island	-	-	-	-	-	-	1,509	79.8	75.8 - 83.3
South Carolina	-	-	-	-	-	-	5,088	74.4	72.1 - 76.5
Tennessee	-	-	-	-	-	-	6,759	78.0	75.9 - 79.9
Texas	-	-	-	-	-	-	21,175	76.9	75.7 - 78.1
Utah	-	-	-	-	-	-	2,400	77.0	73.6 - 80.0
Vermont	-	-	-	-	-	-	1,031	81.5	76.0 - 85.8
Virginia	-	-	-	-	-	-	8,535	78.1	76.2 - 79.8
Washington	-	-	-	-	-	-	7,738	82.2	80.4 - 84.0
WA - Seattle	-	-	-	-	-	-	5,462	82.1	79.9 - 84.0
West Virginia	-	-	-	-	-	-	2,760	79.2	75.5 - 82.5
Wisconsin	-	-	-	-	-	-	7,899	80.4	78.6 - 82.1
Wyoming	-	-	-	-	-	-	522	76.2	67.8 - 82.6
NAACCR CDN Combined	-	-	-	-	-	-	32,431	80.1	79.3 - 80.8
Alberta	-	-	-	-	-	-	3,878	81.5	79.0 - 83.7
British Columbia	-	-	-	-	-	-	5,253	81.9	79.9 - 83.7
Manitoba	-	-	-	-	-	-	1,766	80.8	77.6 - 83.7
New Brunswick	-	-	-	-	-	-	950	77.0	71.8 - 81.4
Newfoundland and Labrador	-	-	-	-	-	-	776	79.6	74.2 - 84.0
Nova Scotia	-	-	-	-	-	-	1,221	75.0	70.4 - 79.0
Ontario	-	-	-	-	-	-	17,290	79.1	78.0 - 80.2
Prince Edward Island	-	-	-	-	-	-	143	74.1	62.3 - 82.7
Saskatchewan	-	-	-	-	-	-	1,154	82.7	78.5 - 86.0
NAACCR N.A. Combined	-	-	-	-	-	-	370,733	77.8	77.6 - 78.1

- 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

All Races

III-14 Survival – Corpus & Uterus, NOS

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	137,761	43.7	43.3 - 44.1
Alabama	-	-	-	-	-	-	2,377	42.3	39.3 - 45.2
Alaska	-	-	-	-	-	-	258	47.6	37.8 - 56.7
Arizona	-	-	-	-	-	-	2,962	42.1	39.5 - 44.6
Arkansas	-	-	-	-	-	-	1,273	41.7	37.8 - 45.6
California	-	-	-	-	-	-	16,899	43.6	42.4 - 44.7
CA - Greater California	-	-	-	-	-	-	9,090	43.0	41.5 - 44.5
CA - Greater Bay Area	-	-	-	-	-	-	3,256	44.5	42.0 - 47.0
CA - Los Angeles	-	-	-	-	-	-	4,553	43.9	41.6 - 46.2
Colorado	-	-	-	-	-	-	2,103	45.2	42.0 - 48.3
Connecticut	-	-	-	-	-	-	1,885	46.9	43.5 - 50.1
Delaware	-	-	-	-	-	-	445	42.7	35.8 - 49.4
District of Columbia	-	-	-	-	-	-	283	36.6	27.4 - 45.7
Florida	-	-	-	-	-	-	10,322	43.5	42.1 - 44.9
Georgia	-	-	-	-	-	-	4,242	40.7	38.5 - 42.9
Hawaii	-	-	-	-	-	-	546	44.8	37.9 - 51.3
Idaho	-	-	-	-	-	-	693	36.7	31.9 - 41.5
Illinois	-	-	-	-	-	-	5,945	46.1	44.3 - 47.8
Iowa	-	-	-	-	-	-	1,499	42.7	39.3 - 46.0
Kentucky	-	-	-	-	-	-	1,914	42.0	38.8 - 45.2
Louisiana	-	-	-	-	-	-	1,750	39.1	35.6 - 42.5
Maine	-	-	-	-	-	-	625	48.0	42.3 - 53.5
Maryland	-	-	-	-	-	-	2,655	42.4	39.7 - 45.1
Michigan	-	-	-	-	-	-	4,959	45.0	43.0 - 47.0
MI - Detroit	-	-	-	-	-	-	2,118	43.9	40.9 - 46.9
Minnesota	-	-	-	-	-	-	2,301	48.0	45.0 - 50.9
Mississippi	-	-	-	-	-	-	1,149	42.2	38.0 - 46.2
Missouri	-	-	-	-	-	-	2,591	45.3	42.6 - 47.9
Montana	-	-	-	-	-	-	498	51.5	44.8 - 57.8
Nebraska	-	-	-	-	-	-	782	47.8	42.6 - 52.8
Nevada	-	-	-	-	-	-	1,112	38.1	34.2 - 42.0
New Hampshire	-	-	-	-	-	-	636	45.9	40.4 - 51.2
New Jersey	-	-	-	-	-	-	4,751	45.8	43.8 - 47.7
New Mexico	-	-	-	-	-	-	1,005	34.9	30.7 - 39.1
New York	-	-	-	-	-	-	10,367	42.7	41.3 - 44.0
North Carolina	-	-	-	-	-	-	4,491	45.0	42.9 - 47.2
North Dakota	-	-	-	-	-	-	285	45.4	37.3 - 53.1
Ohio	-	-	-	-	-	-	5,466	44.3	42.4 - 46.2
Oklahoma	-	-	-	-	-	-	1,761	43.9	40.5 - 47.1
Oregon	-	-	-	-	-	-	1,973	40.1	36.9 - 43.2
Pennsylvania	-	-	-	-	-	-	6,992	44.5	42.8 - 46.2
Rhode Island	-	-	-	-	-	-	481	50.3	43.7 - 56.6
South Carolina	-	-	-	-	-	-	2,012	43.1	39.9 - 46.2
Tennessee	-	-	-	-	-	-	2,996	40.0	37.4 - 42.6
Texas	-	-	-	-	-	-	10,074	43.3	41.8 - 44.8
Utah	-	-	-	-	-	-	1,015	39.7	35.7 - 43.7
Vermont	-	-	-	-	-	-	321	48.4	41.0 - 55.5
Virginia	-	-	-	-	-	-	3,541	42.5	40.2 - 44.8
Washington	-	-	-	-	-	-	3,284	46.0	43.5 - 48.5
WA - Seattle	-	-	-	-	-	-	2,374	45.6	42.6 - 48.5
West Virginia	-	-	-	-	-	-	1,089	39.9	35.8 - 43.9
Wisconsin	-	-	-	-	-	-	2,896	46.3	43.6 - 48.8
Wyoming	-	-	-	-	-	-	257	38.8	28.6 - 48.8
NAACCR CDN Combined	-	-	-	-	-	-	14,220	39.7	38.6 - 40.9
Alberta	-	-	-	-	-	-	1,433	42.1	38.4 - 45.7
British Columbia	-	-	-	-	-	-	2,406	39.4	36.7 - 42.1
Manitoba	-	-	-	-	-	-	616	40.9	35.8 - 46.0
New Brunswick	-	-	-	-	-	-	395	36.8	30.7 - 42.9
Newfoundland and Labrador	-	-	-	-	-	-	284	40.6	33.4 - 47.6
Nova Scotia	-	-	-	-	-	-	526	39.7	34.5 - 44.9
Ontario	-	-	-	-	-	-	7,963	40.0	38.5 - 41.5
Prince Edward Island	-	-	-	-	-	-	73	27.7	14.5 - 42.5*
Saskatchewan	-	-	-	-	-	-	524	33.8	28.2 - 39.6
NAACCR N.A. Combined	-	-	-	-	-	-	151,981	43.3	43.0 - 43.7

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-		1,294,219	95.6	95.4 - 95.7	-	-	
Alabama	-	-		24,334	95.2	94.5 - 95.8	-	-	
Alaska	-	-		2,207	89.7	85.5 - 92.7	-	-	
Arizona	-	-		21,504	91.9	91.0 - 92.7	-	-	
Arkansas	-	-		14,289	97.5	96.3 - 98.3	-	-	
California	-	-		136,544	94.6	94.3 - 94.9	-	-	
CA - Greater California	-	-		76,508	93.9	93.4 - 94.4	-	-	
CA - Greater Bay Area	-	-		27,927	95.6	94.8 - 96.2	-	-	
CA - Los Angeles	-	-		32,111	94.8	94.0 - 95.5	-	-	
Colorado	-	-		19,721	95.7	94.7 - 96.5	-	-	
Connecticut	-	-		17,158	94.2	93.1 - 95.0	-	-	
Delaware	-	-		5,341	93.7	91.3 - 95.4	-	-	
District of Columbia	-	-		2,925	92.0	89.4 - 94.1	-	-	
Florida	-	-		96,589	95.1	94.6 - 95.5	-	-	
Georgia	-	-		43,736	94.2	93.3 - 95.0	-	-	
Hawaii	-	-		5,107	94.0	92.0 - 95.5	-	-	
Idaho	-	-		7,165	92.8	91.3 - 94.1	-	-	
Illinois	-	-		55,547	96.4	95.9 - 96.8	-	-	
Iowa	-	-		14,223	94.5	93.2 - 95.6	-	-	
Kentucky	-	-		18,986	94.7	93.6 - 95.7	-	-	
Louisiana	-	-		23,972	96.9	95.7 - 97.7	-	-	
Maine	-	-		6,177	94.3	92.3 - 95.8	-	-	
Maryland	-	-		28,591	96.2	95.4 - 96.9	-	-	
Michigan	-	-		49,801	94.6	94.0 - 95.1	-	-	
MI - Detroit	-	-		21,679	96.9	95.9 - 97.6	-	-	
Minnesota	-	-		24,587	95.8	94.8 - 96.5	-	-	
Mississippi	-	-		15,167	95.6	94.2 - 96.7	-	-	
Missouri	-	-		24,317	95.2	94.2 - 96.1	-	-	
Montana	-	-		5,448	93.3	90.9 - 95.1	-	-	
Nebraska	-	-		8,486	96.2	94.4 - 97.5	-	-	
Nevada	-	-		10,370	94.3	93.0 - 95.4	-	-	
New Hampshire	-	-		7,122	94.8	92.7 - 96.2	-	-	
New Jersey	-	-		47,021	96.9	96.2 - 97.4	-	-	
New Mexico	-	-		7,382	91.9	90.1 - 93.4	-	-	
New York	-	-		98,797	94.1	93.7 - 94.6	-	-	
North Carolina	-	-		47,001	96.2	95.5 - 96.8	-	-	
North Dakota	-	-		3,521	97.2	95.2 - 98.3	-	-	
Ohio	-	-		51,847	96.6	95.9 - 97.1	-	-	
Oklahoma	-	-		15,273	96.9	96.0 - 97.6	-	-	
Oregon	-	-		16,751	95.3	94.3 - 96.1	-	-	
Pennsylvania	-	-		62,416	96.4	95.8 - 96.9	-	-	
Rhode Island	-	-		4,211	94.7	92.2 - 96.3	-	-	
South Carolina	-	-		23,939	95.1	93.9 - 96.0	-	-	
Tennessee	-	-		30,191	97.5	96.8 - 98.1	-	-	
Texas	-	-		82,431	93.9	93.4 - 94.5	-	-	
Utah	-	-		10,337	95.1	94.0 - 96.0	-	-	
Vermont	-	-		2,703	95.2	91.4 - 97.4	-	-	
Virginia	-	-		32,928	95.3	94.5 - 96.0	-	-	
Washington	-	-		29,737	96.1	95.2 - 96.8	-	-	
WA - Seattle	-	-		21,489	96.1	95.1 - 96.9	-	-	
West Virginia	-	-		8,514	97.0	95.3 - 98.1	-	-	
Wisconsin	-	-		27,236	95.1	94.1 - 95.9	-	-	
Wyoming	-	-		2,569	92.7	88.2 - 95.5	-	-	
NAACCR CDN Combined	-	-		118,100	92.9	92.6 - 93.3	-	-	
Alberta	-	-		16,043	92.0	90.9 - 92.9	-	-	
British Columbia	-	-		20,928	92.4	91.5 - 93.2	-	-	
Manitoba	-	-		4,846	90.6	88.8 - 92.1	-	-	
New Brunswick	-	-		4,060	92.1	90.1 - 93.7	-	-	
Newfoundland and Labrador	-	-		3,100	90.7	87.9 - 92.9	-	-	
Nova Scotia	-	-		4,675	92.6	90.6 - 94.3	-	-	
Ontario	-	-		58,963	93.5	93.0 - 94.0	-	-	
Prince Edward Island	-	-		773	91.6	85.2 - 95.3	-	-	
Saskatchewan	-	-		4,712	88.9	87.0 - 90.6	-	-	
NAACCR N.A. Combined	-	-		1,412,319	95.3	95.2 - 95.4	-	-	

- 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-16 Survival – Prostate

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	55,291	92.4	91.3 - 93.3	-	-	-
Alabama	-	-	-	660	86.2	81.2 - 90.0	-	-	-
Alaska	-	-	-	172	91.9	85.0 - 95.7*	-	-	-
Arizona	-	-	-	1,185	92.0	89.8 - 93.8*	-	-	-
Arkansas	-	-	-	465	96.4	92.5 - 98.2*	-	-	-
California	-	-	-	7,903	88.6	85.4 - 91.1	-	-	-
CA - Greater California	-	-	-	4,431	88.5	84.8 - 91.3	-	-	-
CA - Greater Bay Area	-	-	-	1,507	90.3	79.1 - 95.6	-	-	-
CA - Los Angeles	-	-	-	1,965	82.9	80.0 - 85.3	-	-	-
Colorado	-	-	-	1,059	92.4	86.3 - 95.9	-	-	-
Connecticut	-	-	-	726	96.1	93.3 - 97.8*	-	-	-
Delaware	-	-	-	158	92.7	86.1 - 96.2*	-	-	-
District of Columbia	-	-	-	123	97.7	91.3 - 99.4*	-	-	-
Florida	-	-	-	2,912	87.9	83.4 - 91.3	-	-	-
Georgia	-	-	-	1,377	88.9	77.7 - 94.7	-	-	-
Hawaii	-	-	-	263	92.2	83.6 - 96.4	-	-	-
Idaho	-	-	-	355	97.4	94.2 - 98.8*	-	-	-
Illinois	-	-	-	2,590	93.2	89.5 - 95.6	-	-	-
Iowa	-	-	-	683	89.1	81.2 - 93.9	-	-	-
Kentucky	-	-	-	801	93.9	91.2 - 95.7*	-	-	-
Louisiana	-	-	-	690	83.0	75.6 - 88.3	-	-	-
Maine	-	-	-	278	84.4	72.2 - 91.6	-	-	-
Maryland	-	-	-	878	94.4	87.9 - 97.5	-	-	-
Michigan	-	-	-	1,858	87.1	77.7 - 92.8	-	-	-
MI - Detroit	-	-	-	686	76.3	74.5 - 78.0	-	-	-
Minnesota	-	-	-	1,244	95.4	89.0 - 98.1	-	-	-
Mississippi	-	-	-	368	94.9	90.6 - 97.2*	-	-	-
Missouri	-	-	-	1,025	94.7	92.4 - 96.4*	-	-	-
Montana	-	-	-	238	96.5	92.0 - 98.5*	-	-	-
Nebraska	-	-	-	429	87.5	78.2 - 93.0	-	-	-
Nevada	-	-	-	477	93.3	89.5 - 95.8*	-	-	-
New Hampshire	-	-	-	310	97.1	92.9 - 98.9*	-	-	-
New Jersey	-	-	-	1,721	91.4	84.2 - 95.4	-	-	-
New Mexico	-	-	-	434	94.2	90.0 - 96.7*	-	-	-
New York	-	-	-	3,850	92.7	89.5 - 94.9	-	-	-
North Carolina	-	-	-	1,597	90.6	85.6 - 94.0	-	-	-
North Dakota	-	-	-	164	93.1	85.7 - 96.7*	-	-	-
Ohio	-	-	-	2,085	91.6	87.8 - 94.2	-	-	-
Oklahoma	-	-	-	678	85.6	73.0 - 92.6	-	-	-
Oregon	-	-	-	887	95.8	88.6 - 98.5	-	-	-
Pennsylvania	-	-	-	2,717	93.4	90.3 - 95.6	-	-	-
Rhode Island	-	-	-	223	98.3	93.6 - 99.6*	-	-	-
South Carolina	-	-	-	656	95.4	92.4 - 97.2*	-	-	-
Tennessee	-	-	-	1,085	94.8	92.8 - 96.2*	-	-	-
Texas	-	-	-	4,549	87.7	83.9 - 90.7	-	-	-
Utah	-	-	-	684	95.6	90.3 - 98.0	-	-	-
Vermont	-	-	-	135	95.5	87.0 - 98.5*	-	-	-
Virginia	-	-	-	1,194	95.3	93.5 - 96.6*	-	-	-
Washington	-	-	-	1,609	94.5	89.9 - 97.1	-	-	-
WA - Seattle	-	-	-	1,190	94.2	88.5 - 97.1	-	-	-
West Virginia	-	-	-	329	78.8	69.7 - 85.4	-	-	-
Wisconsin	-	-	-	1,323	93.2	86.9 - 96.6	-	-	-
Wyoming	-	-	-	144	96.8	85.4 - 99.3*	-	-	-
NAACCR CDN Combined	-	-	-	5,613	93.5	89.5 - 96.0	-	-	-
Alberta	-	-	-	945	97.1	94.8 - 98.4*	-	-	-
British Columbia	-	-	-	987	92.4	83.2 - 96.7	-	-	-
Manitoba	-	-	-	268	94.4	89.7 - 97.0*	-	-	-
New Brunswick	-	-	-	136	95.5	89.8 - 98.1*	-	-	-
Newfoundland and Labrador	-	-	-	59	92.9	81.3 - 97.4*	-	-	-
Nova Scotia	-	-	-	172	97.0	86.9 - 99.4*	-	-	-
Ontario	-	-	-	2,795	91.3	85.5 - 94.8	-	-	-
Prince Edward Island	-	-	-	23	89.8	63.5 - 97.5*	-	-	-
Saskatchewan	-	-	-	228	95.7	90.1 - 98.2*	-	-	-
NAACCR N.A. Combined	-	-	-	60,904	92.6	91.5 - 93.5	-	-	-

- 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 2010-2016
Complete Method, Follow-Up Through 2016 by Registry, White, All Sites (Site-Standardized¹ - 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	8,634,160	65.3	65.3 - 65.4	4,399,145	64.2	64.2 - 64.3	4,235,015	66.5	66.4 - 66.6
Alabama	133,605	63.1	62.8 - 63.5	70,968	62.1	61.6 - 62.6	62,637	64.3	63.7 - 64.8
Alaska	14,496	-		7,729	-		6,767	-	
Arizona	184,087	62.8	62.5 - 63.2	93,069	61.1	60.7 - 61.6	91,018	64.7	64.3 - 65.2
Arkansas	91,955	64.2	63.8 - 64.7	49,416	63.4	62.8 - 64.0	42,539	65.1	64.4 - 65.8
California	887,271	64.5	64.3 - 64.6	445,393	63.3	63.1 - 63.5	441,878	65.7	65.5 - 65.9
CA - Greater California	536,741	63.6	63.4 - 63.8	271,151	62.3	62.1 - 62.6	265,590	65.1	64.8 - 65.3
CA - Greater Bay Area	156,694	67.2	66.9 - 67.6	79,569	66.1	65.6 - 66.6	77,125	68.4	67.9 - 68.9
CA - Los Angeles	193,986	64.2	63.9 - 64.5	94,754	63.2	62.7 - 63.6	99,232	65.3	64.8 - 65.7
Colorado	138,069	66.1	65.7 - 66.5	68,548	64.8	64.2 - 65.4	69,521	67.5	67.0 - 68.1
Connecticut	125,265	66.7	66.3 - 67.1	61,805	65.5	65.0 - 66.1	63,460	68.1	67.5 - 68.6
Delaware	31,099	64.4	63.6 - 65.1	16,187	63.0	62.0 - 64.1	14,912	65.8	64.7 - 66.9
District of Columbia	5,870	-		2,858	-		3,012	-	
Florida	695,978	65.5	65.4 - 65.7	365,632	64.1	63.8 - 64.3	330,346	67.1	66.9 - 67.4
Georgia	230,000	64.6	64.3 - 64.9	120,036	63.4	62.9 - 63.9	109,964	65.9	65.4 - 66.3
Hawaii	15,256	-		8,595	-		6,661	-	
Idaho	50,591	64.5	63.9 - 65.1	26,313	-		24,278	66.1	65.2 - 67.0
Illinois	373,982	66.6	66.3 - 66.8	186,588	65.8	65.5 - 66.1	187,394	67.4	67.1 - 67.7
Iowa	115,747	64.4	64.0 - 64.9	59,485	63.2	62.6 - 63.8	56,262	65.8	65.3 - 66.4
Kentucky	166,106	63.2	62.8 - 63.5	85,263	61.7	61.2 - 62.2	80,843	64.8	64.3 - 65.3
Louisiana	118,573	64.5	64.1 - 64.9	64,040	64.2	63.6 - 64.8	54,533	64.8	64.2 - 65.4
Maine	56,705	65.4	64.8 - 65.9	28,498	-		28,207	67.4	66.6 - 68.2
Maryland	138,839	66.6	66.2 - 66.9	69,518	65.8	65.3 - 66.4	69,321	67.4	66.8 - 67.9
Michigan	312,930	65.2	65.0 - 65.5	160,386	64.4	64.1 - 64.8	152,544	66.1	65.8 - 66.5
MI - Detroit	115,015	65.4	65.1 - 65.8	58,596	65.0	64.4 - 65.5	56,419	66.0	65.4 - 66.5
Minnesota	178,588	67.9	67.5 - 68.2	91,323	66.4	65.9 - 66.9	87,265	69.5	69.0 - 70.0
Mississippi	73,285	63.6	63.1 - 64.1	39,382	63.1	62.4 - 63.9	33,903	64.1	63.4 - 64.9
Missouri	194,063	64.4	64.1 - 64.7	97,975	63.4	62.9 - 63.8	96,088	65.5	65.1 - 66.0
Montana	36,801	-		19,486	-		17,315	-	
Nebraska	61,035	65.0	64.5 - 65.6	31,415	64.1	63.3 - 64.9	29,620	66.1	65.3 - 66.9
Nevada	69,410	62.1	61.6 - 62.6	36,140	61.2	60.5 - 61.9	33,270	63.1	62.3 - 63.9
New Hampshire	52,912	66.7	66.1 - 67.3	26,788	65.5	64.7 - 66.4	26,124	68.0	67.1 - 68.9
New Jersey	281,406	66.4	66.1 - 66.7	140,128	65.4	65.0 - 65.8	141,278	67.5	67.1 - 67.8
New Mexico	55,008	61.8	61.2 - 62.4	27,628	60.8	59.9 - 61.6	27,380	62.9	62.1 - 63.8
New York	594,354	65.7	65.6 - 65.9	297,152	64.9	64.6 - 65.2	297,202	66.7	66.4 - 66.9
North Carolina	278,903	66.1	65.8 - 66.3	142,826	64.8	64.4 - 65.2	136,077	67.5	67.1 - 67.9
North Dakota	23,907	-		12,714	65.0	63.9 - 66.1	11,193	-	
Ohio	371,727	64.5	64.3 - 64.7	185,785	63.3	63.0 - 63.7	185,942	65.8	65.4 - 66.1
Oklahoma	106,305	63.8	63.4 - 64.2	54,866	62.9	62.3 - 63.5	51,439	64.8	64.2 - 65.4
Oregon	131,503	66.4	66.0 - 66.7	66,106	65.2	64.7 - 65.7	65,397	67.6	67.1 - 68.2
Pennsylvania	467,354	65.5	65.3 - 65.7	234,127	64.5	64.2 - 64.8	233,227	66.6	66.3 - 66.9
Rhode Island	37,652	66.4	65.7 - 67.1	18,022	64.9	63.9 - 65.9	19,630	68.0	67.0 - 68.9
South Carolina	132,590	64.5	64.1 - 64.9	69,209	63.2	62.7 - 63.8	63,381	65.8	65.2 - 66.4
Tennessee	203,655	64.8	64.5 - 65.1	106,070	64.1	63.7 - 64.5	97,585	65.6	65.2 - 66.1
Texas	604,627	64.7	64.5 - 64.9	308,998	63.3	63.1 - 63.6	295,629	66.2	65.9 - 66.4
Utah	65,261	64.9	64.4 - 65.5	34,204	64.2	63.5 - 65.0	31,057	65.7	64.9 - 66.6
Vermont	24,320	65.6	64.7 - 66.6	12,123	64.5	63.2 - 65.8	12,197	66.9	65.7 - 68.2
Virginia	196,404	64.7	64.4 - 65.0	97,376	63.4	63.0 - 63.9	99,028	66.1	65.6 - 66.5
Washington	213,295	66.7	66.4 - 67.0	107,875	65.4	64.9 - 65.8	105,420	68.1	67.7 - 68.6
WA - Seattle	149,307	67.1	66.7 - 67.5	76,055	65.8	65.3 - 66.4	73,252	68.5	68.0 - 69.0
West Virginia	76,730	62.9	62.4 - 63.4	39,314	62.2	61.5 - 62.9	37,416	63.7	63.0 - 64.4
Wisconsin	199,194	66.4	66.1 - 66.7	102,499	65.1	64.7 - 65.6	96,695	67.8	67.4 - 68.2
Wyoming	17,447	-		9,287	-		8,160	-	

- 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 (Site-Standardized)" estimate was suppressed.

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

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	233,602	62.2	61.9 - 62.5	167,671	61.3	60.9 - 61.8	65,931	64.3	63.7 - 64.9
Alabama	4,160	62.3	59.8 - 64.7	2,954	61.0	57.7 - 64.2	1,206	64.1	60.0 - 68.0
Alaska	430	69.6	60.7 - 76.9	330	72.4	61.1 - 80.9	100	58.9	43.0 - 71.7
Arizona	4,517	59.3	56.9 - 61.7	3,322	58.8	56.0 - 61.5	1,195	60.5	56.1 - 64.6
Arkansas	2,761	60.2	56.8 - 63.5	2,027	59.8	55.7 - 63.5	734	61.9	55.1 - 68.1
California	23,364	62.4	61.4 - 63.5	16,836	61.4	60.1 - 62.6	6,528	64.9	63.2 - 66.6
CA - Greater California	14,685	62.2	60.9 - 63.5	10,677	61.5	59.9 - 63.1	4,008	64.0	61.7 - 66.2
CA - Greater Bay Area	4,010	66.0	63.5 - 68.3	2,870	63.5	60.2 - 66.6	1,140	71.0	67.1 - 74.5
CA - Los Angeles	4,677	59.7	57.4 - 61.9	3,296	58.4	55.5 - 61.2	1,381	61.2	57.0 - 65.1
Colorado	3,840	67.5	64.9 - 70.0	2,750	68.1	64.5 - 71.4	1,090	66.5	62.0 - 70.6
Connecticut	3,140	65.0	62.2 - 67.7	2,147	61.8	58.0 - 65.3	993	70.6	66.2 - 74.5
Delaware	838	65.1	60.0 - 69.7	615	62.8	54.9 - 69.6	223	67.5	58.9 - 74.6
District of Columbia	171	61.5	49.6 - 71.5	115	57.1	43.1 - 68.9	56	70.4	52.7 - 82.5
Florida	20,623	58.9	57.8 - 60.0	15,213	57.9	56.5 - 59.2	5,410	61.2	59.2 - 63.2
Georgia	6,959	60.7	58.6 - 62.7	5,020	59.8	57.0 - 62.5	1,939	60.5	57.2 - 63.6
Hawaii	574	58.9	52.0 - 65.1	443	56.4	48.3 - 63.7	131	63.6	51.9 - 73.2
Idaho	1,461	68.2	63.8 - 72.1	1,023	68.4	62.6 - 73.4	438	68.3	61.2 - 74.3
Illinois	9,868	64.1	62.4 - 65.7	7,033	63.2	61.2 - 65.1	2,835	65.7	62.9 - 68.4
Iowa	3,161	67.3	64.4 - 70.1	2,249	65.5	61.9 - 68.9	912	71.4	66.6 - 75.6
Kentucky	4,665	59.8	56.9 - 62.5	3,398	60.0	56.4 - 63.5	1,267	59.6	54.9 - 64.0
Louisiana	3,507	61.2	58.1 - 64.1	2,565	61.2	57.4 - 64.7	942	60.9	55.6 - 65.7
Maine	1,560	62.8	58.6 - 66.8	1,127	62.9	57.5 - 67.8	433	62.4	54.6 - 69.2
Maryland	3,770	65.6	63.1 - 68.0	2,694	64.4	60.8 - 67.8	1,076	65.6	61.1 - 69.7
Michigan	8,230	60.0	58.1 - 61.8	5,869	59.1	56.6 - 61.4	2,361	62.4	59.3 - 65.4
MI - Detroit	2,988	58.9	55.8 - 61.8	2,175	57.4	53.6 - 61.1	813	62.5	57.1 - 67.5
Minnesota	4,704	70.4	68.1 - 72.5	3,245	71.0	68.1 - 73.7	1,459	69.9	66.1 - 73.3
Mississippi	2,201	59.4	55.6 - 63.0	1,586	57.0	52.2 - 61.5	615	62.1	55.9 - 67.7
Missouri	5,416	61.2	58.8 - 63.5	3,934	61.4	58.4 - 64.3	1,482	61.5	57.5 - 65.3
Montana	936	60.5	55.0 - 65.6	659	61.0	54.2 - 67.2	277	58.9	49.0 - 67.4
Nebraska	1,573	68.3	64.3 - 72.0	1,101	67.1	62.0 - 71.7	472	69.1	62.4 - 74.8
Nevada	1,973	58.8	55.1 - 62.4	1,443	57.3	52.6 - 61.7	530	62.1	55.8 - 67.7
New Hampshire	1,342	63.2	58.4 - 67.6	969	63.8	57.7 - 69.3	373	61.6	53.7 - 68.6
New Jersey	6,302	61.5	59.6 - 63.4	4,401	59.7	57.2 - 62.2	1,901	65.1	61.8 - 68.2
New Mexico	1,433	58.5	54.3 - 62.5	1,063	58.8	53.4 - 63.8	370	58.9	51.7 - 65.4
New York	13,595	61.1	59.6 - 62.4	9,425	59.7	57.9 - 61.5	4,170	63.3	61.0 - 65.6
North Carolina	7,769	62.7	60.7 - 64.7	5,577	62.2	59.6 - 64.7	2,192	64.7	61.3 - 67.9
North Dakota	640	67.5	61.0 - 73.1	450	66.4	58.2 - 73.4	190	69.0	58.0 - 77.6
Ohio	9,998	61.3	59.5 - 63.1	7,175	58.3	56.0 - 60.5	2,823	66.5	63.7 - 69.1
Oklahoma	3,275	65.7	62.9 - 68.4	2,363	64.8	61.3 - 68.1	912	66.5	61.2 - 71.3
Oregon	3,637	67.1	64.1 - 70.0	2,593	65.8	61.7 - 69.6	1,044	68.1	63.2 - 72.5
Pennsylvania	11,598	61.7	60.1 - 63.2	8,099	60.0	58.0 - 62.0	3,499	65.2	62.7 - 67.6
Rhode Island	911	59.9	54.3 - 65.0	627	59.1	52.1 - 65.5	284	59.2	49.7 - 67.5
South Carolina	3,910	58.8	55.9 - 61.6	2,873	58.6	54.9 - 62.0	1,037	59.5	54.7 - 64.1
Tennessee	5,901	60.1	57.7 - 62.5	4,354	59.4	56.2 - 62.5	1,547	61.6	57.5 - 65.3
Texas	17,396	60.8	59.5 - 62.1	12,721	60.3	58.6 - 62.0	4,675	62.3	60.0 - 64.5
Utah	1,492	66.8	62.0 - 71.1	1,035	68.2	61.9 - 73.6	457	63.6	55.8 - 70.4
Vermont	628	59.9	53.2 - 66.0	462	59.1	51.4 - 66.0	166	59.0	45.9 - 70.0
Virginia	5,647	62.3	60.0 - 64.4	4,077	60.8	57.8 - 63.7	1,570	65.5	61.8 - 68.9
Washington	5,854	66.2	64.0 - 68.4	4,111	66.2	63.3 - 68.9	1,743	66.3	62.6 - 69.8
WA - Seattle	4,106	66.9	64.2 - 69.6	2,883	66.8	63.2 - 70.0	1,223	67.1	62.6 - 71.3
West Virginia	2,121	59.5	55.8 - 62.9	1,537	59.9	55.8 - 63.8	584	57.5	51.1 - 63.4
Wisconsin	5,307	63.2	60.9 - 65.4	3,738	62.4	59.5 - 65.2	1,569	65.1	61.2 - 68.6
Wyoming	444	59.3	48.4 - 68.7	323	62.9	49.8 - 73.5	121	57.1	40.1 - 70.9*

- 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-30 Survival – Oral Cavity & Pharynx

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 by Registry, White, Stomach**

<i>Registry</i>	MALES AND FEMALES			MALES			FEMALES		
	<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>
NAACCR U.S. Combined	114,922	32.3	32.0 - 32.7	73,168	28.9	28.4 - 29.4	41,754	38.6	38.0 - 39.3
Alabama	1,619	32.2	29.1 - 35.4	1,013	26.9	23.0 - 31.0	606	40.4	35.1 - 45.6
Alaska	181	36.0	26.8 - 45.3	123	37.6	27.0 - 48.2*	58	33.5	17.8 - 49.9*
Arizona	2,424	30.3	27.8 - 32.8	1,578	28.6	25.5 - 31.8	846	33.1	28.8 - 37.4
Arkansas	1,141	28.3	24.5 - 32.2	729	25.6	21.2 - 30.1	412	33.2	27.0 - 39.6
California	14,578	29.6	28.5 - 30.6	8,933	26.5	25.2 - 27.8	5,645	34.4	32.7 - 36.1
CA - Greater California	7,935	27.7	26.3 - 29.1	4,999	24.1	22.4 - 25.8	2,936	33.4	31.0 - 35.7
CA - Greater Bay Area	2,305	32.4	29.8 - 35.0	1,403	29.8	26.4 - 33.3	902	36.6	32.6 - 40.6
CA - Los Angeles	4,340	31.4	29.5 - 33.4	2,531	29.0	26.5 - 31.6	1,809	34.6	31.4 - 37.7
Colorado	1,768	31.2	28.2 - 34.3	1,170	25.7	22.2 - 29.3	598	40.9	35.7 - 45.9
Connecticut	2,025	35.3	32.3 - 38.3	1,277	29.9	26.2 - 33.7	748	44.6	39.6 - 49.4
Delaware	377	29.0	21.8 - 36.6	240	32.4	23.9 - 41.2*	137	27.2	17.8 - 37.4*
District of Columbia	96	44.5	32.4 - 55.9*	60	36.6	22.9 - 50.4*	36	55.8	34.9 - 72.5*
Florida	8,358	33.5	32.1 - 34.9	5,310	31.2	29.4 - 33.0	3,048	37.6	35.2 - 39.9
Georgia	2,604	30.4	27.9 - 33.0	1,632	27.0	24.0 - 30.2	972	36.5	32.1 - 40.9
Hawaii	153	24.1	15.3 - 34.1*	110	22.4	13.4 - 32.9*	43	-	-
Idaho	585	29.7	24.7 - 34.8	383	27.6	21.7 - 33.7	202	33.0	24.3 - 41.9
Illinois	5,218	33.6	31.7 - 35.4	3,333	29.5	27.2 - 31.9	1,885	41.3	38.3 - 44.3
Iowa	1,178	29.3	25.7 - 33.0	767	27.1	22.6 - 31.8	411	33.6	27.2 - 40.0
Kentucky	2,073	30.4	27.5 - 33.4	1,303	24.7	21.0 - 28.5	770	40.5	35.7 - 45.2
Louisiana	1,439	31.5	28.2 - 34.9	952	29.0	24.8 - 33.3	487	37.9	32.5 - 43.4
Maine	649	33.6	28.1 - 39.2	405	29.7	23.7 - 35.9*	244	43.5	34.1 - 52.5
Maryland	1,708	36.7	33.4 - 39.9	1,072	31.7	27.9 - 35.6	636	44.2	38.6 - 49.7
Michigan	4,021	35.4	33.4 - 37.5	2,660	32.2	29.7 - 34.8	1,361	41.0	37.4 - 44.6
MI - Detroit	1,572	31.3	28.3 - 34.4	998	28.5	24.6 - 32.5	574	35.4	30.3 - 40.5
Minnesota	2,085	34.0	31.2 - 36.7	1,402	29.4	26.0 - 32.8	683	42.7	37.9 - 47.5
Mississippi	867	24.9	20.8 - 29.3	541	19.3	14.6 - 24.6	326	35.7	28.4 - 43.0
Missouri	2,166	30.0	27.4 - 32.7	1,449	25.7	22.5 - 29.0	717	37.8	33.2 - 42.4
Montana	385	21.9	15.1 - 29.6*	247	16.4	8.7 - 26.4	138	30.8	21.0 - 41.2*
Nebraska	697	31.3	26.5 - 36.2	470	29.1	23.3 - 35.0	227	33.3	24.6 - 42.1*
Nevada	860	33.3	29.1 - 37.5	540	29.6	24.3 - 35.0	320	38.8	32.7 - 44.9
New Hampshire	594	40.3	34.7 - 45.7	388	32.7	26.1 - 39.4	206	54.3	44.5 - 63.1*
New Jersey	4,257	34.7	32.6 - 36.8	2,639	29.6	27.0 - 32.2	1,618	43.7	40.2 - 47.1
New Mexico	874	29.2	25.1 - 33.5	534	25.8	20.7 - 31.2	340	34.3	27.9 - 40.8
New York	9,181	34.8	33.4 - 36.2	5,674	32.1	30.3 - 34.0	3,507	39.6	37.2 - 42.0
North Carolina	3,306	35.2	32.9 - 37.5	2,058	30.4	27.6 - 33.3	1,248	43.4	39.7 - 47.1
North Dakota	304	24.4	17.8 - 31.7	196	20.1	12.2 - 29.5	108	31.1	19.8 - 43.1*
Ohio	4,820	32.1	30.2 - 34.0	3,157	28.1	25.8 - 30.5	1,663	39.8	36.3 - 43.2
Oklahoma	1,187	28.1	24.4 - 31.9	801	23.6	19.4 - 28.1	386	38.4	31.7 - 45.1
Oregon	1,589	31.3	28.0 - 34.5	1,065	29.0	25.1 - 33.0	524	33.7	28.0 - 39.5
Pennsylvania	6,113	33.3	31.6 - 35.0	4,022	29.7	27.7 - 31.8	2,091	40.6	37.6 - 43.5
Rhode Island	567	37.2	31.8 - 42.5	352	33.0	26.2 - 39.9	215	40.9	31.7 - 49.8
South Carolina	1,567	30.7	27.4 - 34.0	1,044	26.3	22.6 - 30.2	523	39.0	32.6 - 45.5
Tennessee	2,390	32.5	29.9 - 35.2	1,526	30.1	26.7 - 33.5	864	36.7	32.5 - 40.9
Texas	9,104	31.3	29.9 - 32.7	5,540	27.5	25.8 - 29.2	3,564	37.4	35.2 - 39.6
Utah	667	30.6	25.9 - 35.4	409	24.9	19.4 - 30.6	258	39.6	31.6 - 47.5
Vermont	258	24.1	16.8 - 32.2	175	20.2	12.3 - 29.5*	83	32.8	17.6 - 49.0*
Virginia	2,613	32.3	29.8 - 34.8	1,687	29.5	26.4 - 32.6	926	37.4	33.2 - 41.5
Washington	2,478	32.5	30.0 - 35.1	1,669	30.0	26.9 - 33.2	809	38.0	33.7 - 42.4
WA - Seattle	1,713	32.2	29.3 - 35.2	1,150	30.2	26.6 - 33.8	563	37.0	31.9 - 42.0
West Virginia	1,017	27.0	23.2 - 31.0	642	22.9	18.4 - 27.8*	375	33.9	27.1 - 40.8
Wisconsin	2,581	34.2	31.7 - 36.7	1,745	31.6	28.4 - 34.7	836	38.5	34.2 - 42.8
Wyoming	200	31.1	22.9 - 39.7*	146	29.1	19.7 - 39.1*	54	37.0	23.0 - 51.2*

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	68,019	59.7	59.1 - 60.4	54,033	60.3	59.6 - 61.1	13,986	56.4	55.1 - 57.7
Alabama	1,382	58.2	53.4 - 62.8	1,092	60.1	54.4 - 65.3	290	51.3	42.8 - 59.3
Alaska	103	55.6	40.1 - 68.5*	89	56.0	39.3 - 69.7*	14	-	-
Arizona	1,108	54.6	49.6 - 59.3	901	54.3	48.5 - 59.8	207	54.1	44.1 - 63.1
Arkansas	836	57.4	51.0 - 63.3	644	57.6	51.5 - 63.2*	192	55.2	44.9 - 64.4
California	4,815	61.1	58.9 - 63.3	4,014	61.5	58.9 - 64.0	801	56.8	51.9 - 61.4
CA - Greater California	2,995	59.3	56.5 - 61.9	2,458	59.9	56.7 - 63.0	537	53.0	47.1 - 58.6
CA - Greater Bay Area	759	64.1	58.1 - 69.5	646	64.7	58.2 - 70.5	113	58.3	41.8 - 71.6*
CA - Los Angeles	1,061	63.8	58.9 - 68.3	910	62.8	57.1 - 68.0	151	64.5	53.5 - 73.5
Colorado	866	60.3	54.7 - 65.4	692	61.5	55.1 - 67.3	174	55.4	44.3 - 65.2*
Connecticut	947	61.5	56.4 - 66.1	750	62.4	56.7 - 67.6	197	57.3	46.5 - 66.7
Delaware	254	59.1	48.1 - 68.6	191	66.0	54.3 - 75.4*	63	35.5	19.1 - 52.3*
District of Columbia	22	-	-	18	-	-	-	-	-
Florida	6,331	58.6	56.6 - 60.6	5,141	58.3	56.0 - 60.5	1,190	59.4	54.7 - 63.8
Georgia	2,025	60.2	56.4 - 63.7	1,596	62.6	58.3 - 66.7	429	50.0	42.7 - 56.8
Hawaii	134	54.7	41.0 - 66.6*	112	54.9	39.3 - 68.0*	22	-	-
Idaho	273	57.1	48.2 - 65.0*	219	55.6	45.5 - 64.5*	54	63.6	44.0 - 77.9*
Illinois	3,049	61.0	57.9 - 63.9	2,410	63.1	59.7 - 66.4	639	52.7	46.5 - 58.6
Iowa	992	59.2	53.8 - 64.2	797	58.3	52.1 - 64.0	195	59.5	49.7 - 67.9
Kentucky	1,900	56.5	52.2 - 60.6	1,441	55.5	50.4 - 60.2	459	57.4	49.8 - 64.3
Louisiana	1,222	55.8	50.5 - 60.7	942	55.0	49.2 - 60.5	280	57.0	46.8 - 66.1
Maine	487	59.4	51.9 - 66.2	372	62.3	54.3 - 69.2*	115	54.0	38.9 - 66.9*
Maryland	946	61.4	55.7 - 66.6	732	65.0	58.3 - 70.8	214	48.6	37.6 - 58.7
Michigan	2,657	58.8	55.6 - 61.9	2,072	60.5	56.7 - 64.1	585	51.2	44.6 - 57.4
MI - Detroit	923	63.2	57.5 - 68.4	725	63.9	57.1 - 69.9	198	57.2	45.4 - 67.3
Minnesota	1,130	67.6	63.0 - 71.8	910	69.3	64.1 - 73.9	220	59.2	49.3 - 67.8
Mississippi	742	55.0	48.7 - 60.9	589	56.8	49.7 - 63.3	153	50.2	38.3 - 61.0
Missouri	1,859	59.4	55.4 - 63.2	1,466	59.9	55.4 - 64.1	393	56.0	48.1 - 63.1
Montana	240	60.3	50.4 - 68.9*	194	61.0	49.2 - 70.8*	46	55.3	35.5 - 71.2*
Nebraska	429	59.1	50.6 - 66.6	337	55.4	47.1 - 63.0*	92	65.4	51.1 - 76.4
Nevada	489	54.4	46.2 - 61.8	389	53.4	43.8 - 62.1	100	60.0	45.1 - 72.1*
New Hampshire	364	64.5	56.7 - 71.2	288	63.2	54.6 - 70.6	76	66.7	48.7 - 79.6
New Jersey	1,894	59.8	56.2 - 63.3	1,511	61.1	56.9 - 65.1	383	55.5	48.4 - 62.0
New Mexico	360	42.4	33.3 - 51.2	290	43.6	33.3 - 53.5	70	40.4	25.1 - 55.2*
New York	4,297	60.5	58.0 - 62.8	3,431	60.2	57.4 - 62.9	866	59.4	54.2 - 64.3
North Carolina	2,394	59.1	55.4 - 62.6	1,842	59.6	55.4 - 63.6	552	55.5	48.7 - 61.8
North Dakota	170	60.2	48.6 - 70.0	144	66.3	53.1 - 76.6	26	-	-
Ohio	3,555	60.8	57.9 - 63.6	2,732	62.0	58.6 - 65.2	823	55.4	49.8 - 60.6
Oklahoma	923	58.0	52.2 - 63.4	693	61.0	54.1 - 67.2	230	46.5	36.6 - 55.9
Oregon	746	63.7	57.7 - 69.0	607	63.4	56.9 - 69.2	139	63.6	51.6 - 73.3
Pennsylvania	3,720	62.2	59.4 - 64.8	2,921	61.9	58.6 - 64.9	799	60.1	54.8 - 65.0
Rhode Island	316	65.8	56.6 - 73.5	240	65.4	54.2 - 74.4	76	65.4	48.2 - 78.1*
South Carolina	1,278	62.2	57.7 - 66.5	1,037	62.9	57.9 - 67.5	241	56.8	47.0 - 65.4
Tennessee	2,069	57.5	53.3 - 61.5	1,600	58.1	53.2 - 62.6	469	53.4	46.0 - 60.2
Texas	4,837	56.1	53.6 - 58.5	3,946	56.4	53.6 - 59.1	891	53.0	48.2 - 57.5
Utah	271	61.1	51.3 - 69.4	226	60.0	48.8 - 69.6	45	65.4	48.0 - 78.3*
Vermont	203	53.2	41.8 - 63.4	157	53.2	39.4 - 65.2	46	62.7	43.6 - 76.9*
Virginia	1,599	57.6	53.2 - 61.7	1,286	57.9	52.9 - 62.6	313	54.6	45.4 - 62.8
Washington	1,240	62.8	58.3 - 67.0	981	64.9	59.7 - 69.6	259	51.5	42.7 - 59.6
WA - Seattle	816	63.8	58.4 - 68.7	657	65.3	59.4 - 70.5	159	51.4	40.6 - 61.2
West Virginia	898	54.7	48.9 - 60.2	676	51.1	44.1 - 57.6	222	60.4	50.8 - 68.7
Wisconsin	1,516	63.9	59.6 - 67.8	1,213	65.0	60.4 - 69.2	303	57.0	47.7 - 65.2
Wyoming	131	58.4	44.0 - 70.4*	102	63.3	46.8 - 75.9*	29	-	-

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	1,232,982	90.2	90.1 - 90.4
Alabama	-	-	-	-	-	-	18,255	90.1	89.0 - 91.0
Alaska	-	-	-	-	-	-	2,160	87.4	83.2 - 90.6
Arizona	-	-	-	-	-	-	27,551	88.7	87.8 - 89.5
Arkansas	-	-	-	-	-	-	11,795	89.5	88.0 - 90.8
California	-	-	-	-	-	-	135,651	90.0	89.6 - 90.4
CA - Greater California	-	-	-	-	-	-	81,077	89.4	88.9 - 89.9
CA - Greater Bay Area	-	-	-	-	-	-	24,139	92.3	91.4 - 93.2
CA - Los Angeles	-	-	-	-	-	-	30,467	89.6	88.7 - 90.4
Colorado	-	-	-	-	-	-	22,653	91.0	90.0 - 92.0
Connecticut	-	-	-	-	-	-	18,970	91.1	90.1 - 92.1
Delaware	-	-	-	-	-	-	4,201	87.9	85.5 - 89.9
District of Columbia	-	-	-	-	-	-	1,104	90.4	85.5 - 93.6
Florida	-	-	-	-	-	-	89,053	89.9	89.5 - 90.3
Georgia	-	-	-	-	-	-	32,232	90.4	89.5 - 91.2
Hawaii	-	-	-	-	-	-	2,056	89.6	85.6 - 92.5
Idaho	-	-	-	-	-	-	7,189	90.4	88.9 - 91.7
Illinois	-	-	-	-	-	-	54,658	90.9	90.3 - 91.5
Iowa	-	-	-	-	-	-	15,565	89.9	88.7 - 90.9
Kentucky	-	-	-	-	-	-	21,047	89.1	87.9 - 90.2
Louisiana	-	-	-	-	-	-	15,429	88.0	86.6 - 89.2
Maine	-	-	-	-	-	-	7,761	91.9	90.2 - 93.3
Maryland	-	-	-	-	-	-	20,783	90.6	89.6 - 91.5
Michigan	-	-	-	-	-	-	43,336	88.6	87.9 - 89.3
MI - Detroit	-	-	-	-	-	-	15,824	89.2	88.0 - 90.2
Minnesota	-	-	-	-	-	-	26,233	93.0	92.2 - 93.8
Mississippi	-	-	-	-	-	-	9,222	89.7	88.0 - 91.2
Missouri	-	-	-	-	-	-	28,130	90.5	89.6 - 91.4
Montana	-	-	-	-	-	-	5,100	88.4	86.1 - 90.3
Nebraska	-	-	-	-	-	-	8,657	89.6	87.9 - 91.0
Nevada	-	-	-	-	-	-	9,696	86.3	84.8 - 87.8
New Hampshire	-	-	-	-	-	-	8,026	91.5	89.7 - 93.0
New Jersey	-	-	-	-	-	-	39,953	89.8	89.1 - 90.4
New Mexico	-	-	-	-	-	-	8,598	87.4	85.7 - 88.9
New York	-	-	-	-	-	-	82,361	89.4	88.8 - 89.8
North Carolina	-	-	-	-	-	-	40,989	91.6	90.9 - 92.4
North Dakota	-	-	-	-	-	-	3,247	92.1	89.4 - 94.2
Ohio	-	-	-	-	-	-	53,914	90.6	90.0 - 91.1
Oklahoma	-	-	-	-	-	-	14,734	89.9	88.8 - 91.0
Oregon	-	-	-	-	-	-	19,768	92.3	91.2 - 93.2
Pennsylvania	-	-	-	-	-	-	65,076	90.0	89.4 - 90.5
Rhode Island	-	-	-	-	-	-	5,581	92.3	90.2 - 94.0
South Carolina	-	-	-	-	-	-	19,188	90.3	89.2 - 91.3
Tennessee	-	-	-	-	-	-	27,848	90.8	89.9 - 91.7
Texas	-	-	-	-	-	-	88,283	90.0	89.5 - 90.5
Utah	-	-	-	-	-	-	9,412	88.9	87.3 - 90.2
Vermont	-	-	-	-	-	-	3,580	92.6	89.8 - 94.6
Virginia	-	-	-	-	-	-	31,260	90.3	89.4 - 91.1
Washington	-	-	-	-	-	-	32,522	92.7	91.8 - 93.4
WA - Seattle	-	-	-	-	-	-	22,644	92.6	91.6 - 93.5
West Virginia	-	-	-	-	-	-	9,527	89.3	87.8 - 90.6
Wisconsin	-	-	-	-	-	-	28,205	91.6	90.7 - 92.3
Wyoming	-	-	-	-	-	-	2,423	88.8	85.0 - 91.6

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	63,572	61.7	61.1 - 62.2
Alabama	-	-	-	-	-	-	1,067	54.2	50.0 - 58.2
Alaska	-	-	-	-	-	-	109	72.9	61.1 - 81.6*
Arizona	-	-	-	-	-	-	1,343	61.6	58.0 - 65.0
Arkansas	-	-	-	-	-	-	771	56.7	51.2 - 61.8
California	-	-	-	-	-	-	7,580	59.6	58.0 - 61.3
CA - Greater California	-	-	-	-	-	-	4,486	58.5	56.3 - 60.6
CA - Greater Bay Area	-	-	-	-	-	-	1,052	66.3	61.8 - 70.3
CA - Los Angeles	-	-	-	-	-	-	2,041	58.1	54.8 - 61.3
Colorado	-	-	-	-	-	-	1,012	66.5	60.9 - 71.6
Connecticut	-	-	-	-	-	-	718	65.4	60.1 - 70.2
Delaware	-	-	-	-	-	-	211	56.5	48.7 - 63.5
District of Columbia	-	-	-	-	-	-	51	59.6	39.9 - 74.7*
Florida	-	-	-	-	-	-	5,129	61.4	59.5 - 63.3
Georgia	-	-	-	-	-	-	1,784	58.6	54.9 - 62.1
Hawaii	-	-	-	-	-	-	88	-	-
Idaho	-	-	-	-	-	-	330	58.8	50.9 - 65.9
Illinois	-	-	-	-	-	-	2,733	64.3	61.7 - 66.7
Iowa	-	-	-	-	-	-	717	61.8	56.9 - 66.4
Kentucky	-	-	-	-	-	-	1,306	59.9	55.7 - 63.9
Louisiana	-	-	-	-	-	-	867	61.8	56.5 - 66.6
Maine	-	-	-	-	-	-	300	61.9	54.6 - 68.4
Maryland	-	-	-	-	-	-	850	65.4	60.6 - 69.8
Michigan	-	-	-	-	-	-	1,914	60.9	57.6 - 64.1
MI - Detroit	-	-	-	-	-	-	676	58.2	52.8 - 63.2
Minnesota	-	-	-	-	-	-	898	67.8	62.1 - 72.8
Mississippi	-	-	-	-	-	-	570	58.3	52.3 - 63.9
Missouri	-	-	-	-	-	-	1,517	58.6	54.9 - 62.2
Montana	-	-	-	-	-	-	230	68.4	58.8 - 76.3*
Nebraska	-	-	-	-	-	-	412	58.3	51.5 - 64.5
Nevada	-	-	-	-	-	-	648	57.5	51.4 - 63.0
New Hampshire	-	-	-	-	-	-	229	65.5	57.3 - 72.5
New Jersey	-	-	-	-	-	-	1,970	61.8	58.9 - 64.6
New Mexico	-	-	-	-	-	-	491	61.2	53.7 - 67.8
New York	-	-	-	-	-	-	3,766	60.5	58.2 - 62.6
North Carolina	-	-	-	-	-	-	1,826	62.0	58.7 - 65.1
North Dakota	-	-	-	-	-	-	102	72.4	60.0 - 81.6*
Ohio	-	-	-	-	-	-	2,730	60.2	57.2 - 63.0
Oklahoma	-	-	-	-	-	-	895	58.7	53.1 - 64.0
Oregon	-	-	-	-	-	-	843	65.4	60.5 - 69.9
Pennsylvania	-	-	-	-	-	-	2,876	61.8	59.2 - 64.3
Rhode Island	-	-	-	-	-	-	238	62.6	55.9 - 68.6
South Carolina	-	-	-	-	-	-	894	58.0	52.5 - 63.1
Tennessee	-	-	-	-	-	-	1,578	59.5	55.7 - 63.0
Texas	-	-	-	-	-	-	7,008	62.0	60.1 - 63.9
Utah	-	-	-	-	-	-	426	68.0	61.3 - 73.9
Vermont	-	-	-	-	-	-	98	69.2	56.6 - 78.9
Virginia	-	-	-	-	-	-	1,231	62.9	59.1 - 66.6
Washington	-	-	-	-	-	-	1,353	70.5	66.5 - 74.0
WA - Seattle	-	-	-	-	-	-	944	70.3	65.4 - 74.5
West Virginia	-	-	-	-	-	-	629	57.8	52.2 - 63.0
Wisconsin	-	-	-	-	-	-	1,103	66.3	62.1 - 70.2
Wyoming	-	-	-	-	-	-	131	51.6	39.4 - 62.4

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	280,646	80.2	79.9 - 80.5
Alabama	-	-	-	-	-	-	3,097	78.0	74.9 - 80.7
Alaska	-	-	-	-	-	-	491	81.3	71.9 - 87.8
Arizona	-	-	-	-	-	-	5,586	79.4	77.3 - 81.4
Arkansas	-	-	-	-	-	-	2,469	77.5	74.2 - 80.4
California	-	-	-	-	-	-	30,064	78.3	77.4 - 79.2
CA - Greater California	-	-	-	-	-	-	17,334	78.3	77.0 - 79.4
CA - Greater Bay Area	-	-	-	-	-	-	5,330	79.8	77.8 - 81.6
CA - Los Angeles	-	-	-	-	-	-	7,400	76.8	75.0 - 78.6
Colorado	-	-	-	-	-	-	4,398	81.3	78.9 - 83.5
Connecticut	-	-	-	-	-	-	4,355	82.8	80.5 - 84.8
Delaware	-	-	-	-	-	-	1,044	79.6	74.1 - 84.0
District of Columbia	-	-	-	-	-	-	175	80.5	69.1 - 88.1
Florida	-	-	-	-	-	-	18,648	79.3	78.2 - 80.3
Georgia	-	-	-	-	-	-	6,046	79.8	77.6 - 81.8
Hawaii	-	-	-	-	-	-	398	80.3	71.7 - 86.5
Idaho	-	-	-	-	-	-	1,576	74.6	69.9 - 78.7
Illinois	-	-	-	-	-	-	13,320	80.2	79.0 - 81.4
Iowa	-	-	-	-	-	-	4,171	81.1	78.6 - 83.3
Kentucky	-	-	-	-	-	-	4,751	80.6	77.7 - 83.1
Louisiana	-	-	-	-	-	-	2,513	78.2	74.6 - 81.4
Maine	-	-	-	-	-	-	2,107	82.2	79.1 - 84.9
Maryland	-	-	-	-	-	-	4,706	79.3	76.8 - 81.6
Michigan	-	-	-	-	-	-	11,331	79.1	77.6 - 80.5
MI - Detroit	-	-	-	-	-	-	4,026	80.8	78.4 - 83.0
Minnesota	-	-	-	-	-	-	6,599	82.0	80.1 - 83.8
Mississippi	-	-	-	-	-	-	1,684	75.4	70.9 - 79.2
Missouri	-	-	-	-	-	-	6,313	82.0	80.1 - 83.8
Montana	-	-	-	-	-	-	1,115	79.3	73.6 - 83.9
Nebraska	-	-	-	-	-	-	2,022	81.0	77.6 - 84.0
Nevada	-	-	-	-	-	-	1,906	79.1	75.0 - 82.7
New Hampshire	-	-	-	-	-	-	2,005	81.7	77.9 - 84.9
New Jersey	-	-	-	-	-	-	10,443	79.9	78.5 - 81.3
New Mexico	-	-	-	-	-	-	1,841	79.9	76.4 - 82.9
New York	-	-	-	-	-	-	21,316	77.7	76.6 - 78.7
North Carolina	-	-	-	-	-	-	8,259	83.4	81.5 - 85.0
North Dakota	-	-	-	-	-	-	722	77.4	71.6 - 82.2
Ohio	-	-	-	-	-	-	13,923	81.1	79.7 - 82.4
Oklahoma	-	-	-	-	-	-	2,876	79.7	76.3 - 82.7
Oregon	-	-	-	-	-	-	4,616	82.6	79.9 - 85.0
Pennsylvania	-	-	-	-	-	-	17,767	81.5	80.4 - 82.5
Rhode Island	-	-	-	-	-	-	1,431	80.1	75.9 - 83.6
South Carolina	-	-	-	-	-	-	3,550	79.7	76.8 - 82.2
Tennessee	-	-	-	-	-	-	5,739	80.7	78.5 - 82.8
Texas	-	-	-	-	-	-	17,982	79.8	78.4 - 81.0
Utah	-	-	-	-	-	-	2,254	77.3	73.8 - 80.3
Vermont	-	-	-	-	-	-	1,027	81.2	75.7 - 85.7
Virginia	-	-	-	-	-	-	6,561	81.8	79.8 - 83.6
Washington	-	-	-	-	-	-	6,885	82.6	80.6 - 84.4
WA - Seattle	-	-	-	-	-	-	4,744	83.0	80.7 - 85.0
West Virginia	-	-	-	-	-	-	2,679	79.5	75.7 - 82.8
Wisconsin	-	-	-	-	-	-	7,384	81.2	79.3 - 82.9
Wyoming	-	-	-	-	-	-	501	76.8	68.4 - 83.2

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	116,603	44.5	44.1 - 44.9
Alabama	-	-	-	-	-	-	1,859	43.5	40.0 - 46.9
Alaska	-	-	-	-	-	-	209	49.1	38.3 - 59.1
Arizona	-	-	-	-	-	-	2,677	42.3	39.7 - 44.9
Arkansas	-	-	-	-	-	-	1,116	43.7	39.5 - 47.9
California	-	-	-	-	-	-	13,579	43.4	42.2 - 44.6
CA - Greater California	-	-	-	-	-	-	7,845	42.8	41.2 - 44.4
CA - Greater Bay Area	-	-	-	-	-	-	2,316	44.0	41.1 - 46.8
CA - Los Angeles	-	-	-	-	-	-	3,418	44.5	41.9 - 47.1
Colorado	-	-	-	-	-	-	1,980	45.4	42.2 - 48.6
Connecticut	-	-	-	-	-	-	1,697	46.9	43.4 - 50.3
Delaware	-	-	-	-	-	-	369	42.5	35.3 - 49.5
District of Columbia	-	-	-	-	-	-	90	45.2	31.9 - 57.6
Florida	-	-	-	-	-	-	8,947	44.2	42.8 - 45.7
Georgia	-	-	-	-	-	-	3,060	43.1	40.5 - 45.7
Hawaii	-	-	-	-	-	-	173	41.1	30.2 - 51.7
Idaho	-	-	-	-	-	-	676	36.9	32.1 - 41.7
Illinois	-	-	-	-	-	-	4,968	46.7	44.8 - 48.6
Iowa	-	-	-	-	-	-	1,463	42.6	39.1 - 46.0
Kentucky	-	-	-	-	-	-	1,798	42.6	39.4 - 45.9
Louisiana	-	-	-	-	-	-	1,258	43.1	39.0 - 47.1
Maine	-	-	-	-	-	-	615	47.1	41.4 - 52.7
Maryland	-	-	-	-	-	-	1,842	46.5	43.2 - 49.7
Michigan	-	-	-	-	-	-	4,312	45.4	43.2 - 47.5
MI - Detroit	-	-	-	-	-	-	1,659	45.6	42.3 - 48.9
Minnesota	-	-	-	-	-	-	2,166	47.9	44.8 - 50.9
Mississippi	-	-	-	-	-	-	812	44.4	39.2 - 49.4
Missouri	-	-	-	-	-	-	2,337	45.2	42.4 - 47.9
Montana	-	-	-	-	-	-	471	52.9	46.0 - 59.4
Nebraska	-	-	-	-	-	-	755	48.9	43.6 - 54.0
Nevada	-	-	-	-	-	-	905	38.2	33.9 - 42.5
New Hampshire	-	-	-	-	-	-	620	45.8	40.2 - 51.2
New Jersey	-	-	-	-	-	-	3,894	47.1	44.9 - 49.3
New Mexico	-	-	-	-	-	-	883	34.8	30.3 - 39.3
New York	-	-	-	-	-	-	8,269	44.2	42.7 - 45.8
North Carolina	-	-	-	-	-	-	3,612	46.8	44.4 - 49.2
North Dakota	-	-	-	-	-	-	273	45.5	37.4 - 53.3
Ohio	-	-	-	-	-	-	4,949	44.5	42.5 - 46.5
Oklahoma	-	-	-	-	-	-	1,453	45.7	42.1 - 49.3
Oregon	-	-	-	-	-	-	1,846	40.8	37.5 - 44.0
Pennsylvania	-	-	-	-	-	-	6,353	44.8	43.0 - 46.6
Rhode Island	-	-	-	-	-	-	457	50.4	43.6 - 56.7
South Carolina	-	-	-	-	-	-	1,542	45.9	42.2 - 49.4
Tennessee	-	-	-	-	-	-	2,592	40.5	37.7 - 43.2
Texas	-	-	-	-	-	-	8,657	43.9	42.4 - 45.5
Utah	-	-	-	-	-	-	978	40.0	35.9 - 44.0
Vermont	-	-	-	-	-	-	317	48.5	41.0 - 55.5
Virginia	-	-	-	-	-	-	2,819	43.3	40.8 - 45.8
Washington	-	-	-	-	-	-	2,921	46.2	43.6 - 48.8
WA - Seattle	-	-	-	-	-	-	2,059	46.1	42.9 - 49.2
West Virginia	-	-	-	-	-	-	1,057	41.4	37.3 - 45.5
Wisconsin	-	-	-	-	-	-	2,725	46.6	43.9 - 49.2
Wyoming	-	-	-	-	-	-	252	39.1	28.8 - 49.2

- 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

White

III-42 Survival – Ovary

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-		1,011,474	95.6	95.4 - 95.7	-	-	
Alabama	-	-		15,882	95.4	94.5 - 96.1	-	-	
Alaska	-	-		1,863	90.5	86.0 - 93.7	-	-	
Arizona	-	-		19,510	91.9	91.0 - 92.7	-	-	
Arkansas	-	-		11,200	97.3	95.8 - 98.3	-	-	
California	-	-		104,466	93.9	93.5 - 94.3	-	-	
CA - Greater California	-	-		62,807	93.1	92.6 - 93.6	-	-	
CA - Greater Bay Area	-	-		19,853	95.5	94.5 - 96.2	-	-	
CA - Los Angeles	-	-		21,805	93.9	93.0 - 94.7	-	-	
Colorado	-	-		16,812	94.2	92.9 - 95.3	-	-	
Connecticut	-	-		14,455	93.9	92.7 - 94.9	-	-	
Delaware	-	-		3,874	94.5	92.6 - 95.9	-	-	
District of Columbia	-	-		732	92.3	87.8 - 95.1	-	-	
Florida	-	-		76,396	95.0	94.5 - 95.5	-	-	
Georgia	-	-		26,964	95.1	94.0 - 96.1	-	-	
Hawaii	-	-		1,671	91.0	87.0 - 93.7	-	-	
Idaho	-	-		6,769	92.4	90.9 - 93.8	-	-	
Illinois	-	-		43,073	96.3	95.8 - 96.8	-	-	
Iowa	-	-		13,641	94.3	93.0 - 95.4	-	-	
Kentucky	-	-		16,343	94.3	93.0 - 95.4	-	-	
Louisiana	-	-		15,446	97.8	96.3 - 98.7	-	-	
Maine	-	-		6,010	93.8	91.9 - 95.4	-	-	
Maryland	-	-		17,072	96.4	95.3 - 97.2	-	-	
Michigan	-	-		39,710	95.1	94.5 - 95.6	-	-	
MI - Detroit	-	-		14,865	97.3	96.1 - 98.2	-	-	
Minnesota	-	-		22,847	95.5	94.5 - 96.4	-	-	
Mississippi	-	-		8,837	97.6	95.6 - 98.8	-	-	
Missouri	-	-		20,704	95.4	94.3 - 96.4	-	-	
Montana	-	-		5,210	93.2	90.8 - 95.0	-	-	
Nebraska	-	-		7,856	95.8	93.9 - 97.1	-	-	
Nevada	-	-		8,899	95.5	94.1 - 96.6	-	-	
New Hampshire	-	-		6,860	94.7	92.8 - 96.1	-	-	
New Jersey	-	-		36,098	96.9	96.3 - 97.5	-	-	
New Mexico	-	-		6,652	92.0	90.1 - 93.5	-	-	
New York	-	-		72,069	94.6	94.1 - 95.1	-	-	
North Carolina	-	-		32,924	96.6	95.9 - 97.2	-	-	
North Dakota	-	-		3,366	97.1	94.4 - 98.6	-	-	
Ohio	-	-		41,691	96.0	95.3 - 96.6	-	-	
Oklahoma	-	-		11,969	96.6	95.3 - 97.5	-	-	
Oregon	-	-		15,583	95.1	94.1 - 95.9	-	-	
Pennsylvania	-	-		51,146	95.8	95.1 - 96.4	-	-	
Rhode Island	-	-		3,876	94.6	92.1 - 96.4	-	-	
South Carolina	-	-		15,668	95.5	94.3 - 96.5	-	-	
Tennessee	-	-		24,418	98.1	97.3 - 98.7	-	-	
Texas	-	-		66,871	94.3	93.7 - 94.8	-	-	
Utah	-	-		10,001	95.1	94.0 - 96.0	-	-	
Vermont	-	-		2,643	95.6	91.6 - 97.7	-	-	
Virginia	-	-		21,777	95.6	94.7 - 96.3	-	-	
Washington	-	-		26,255	95.9	95.0 - 96.6	-	-	
WA - Seattle	-	-		18,953	96.3	95.2 - 97.2	-	-	
West Virginia	-	-		8,027	97.1	95.5 - 98.2	-	-	
Wisconsin	-	-		24,822	94.9	93.9 - 95.7	-	-	
Wyoming	-	-		2,516	92.7	88.3 - 95.5	-	-	

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-		50,208	92.6	91.4 - 93.6	-	-	
Alabama	-	-		574	88.9	79.6 - 94.1	-	-	
Alaska	-	-		129	91.7	83.4 - 95.9*	-	-	
Arizona	-	-		1,057	92.5	90.2 - 94.2*	-	-	
Arkansas	-	-		438	96.0	92.0 - 98.0*	-	-	
California	-	-		6,994	88.5	85.3 - 91.1	-	-	
CA - Greater California	-	-		3,997	88.5	84.8 - 91.3	-	-	
CA - Greater Bay Area	-	-		1,275	91.0	78.9 - 96.3	-	-	
CA - Los Angeles	-	-		1,722	82.5	79.6 - 85.1	-	-	
Colorado	-	-		969	95.9	93.8 - 97.3*	-	-	
Connecticut	-	-		676	96.3	93.3 - 98.0*	-	-	
Delaware	-	-		146	92.9	86.5 - 96.4*	-	-	
District of Columbia	-	-		91	97.8	91.1 - 99.5*	-	-	
Florida	-	-		2,615	87.6	82.7 - 91.2	-	-	
Georgia	-	-		1,206	88.9	77.4 - 94.8	-	-	
Hawaii	-	-		113	98.3	91.5 - 99.7*	-	-	
Idaho	-	-		337	97.2	93.9 - 98.7*	-	-	
Illinois	-	-		2,391	93.1	89.4 - 95.6	-	-	
Iowa	-	-		640	88.9	80.9 - 93.7	-	-	
Kentucky	-	-		770	93.6	90.8 - 95.5*	-	-	
Louisiana	-	-		603	81.1	72.0 - 87.5	-	-	
Maine	-	-		272	84.3	72.1 - 91.5	-	-	
Maryland	-	-		733	94.2	87.4 - 97.4	-	-	
Michigan	-	-		1,736	87.5	77.2 - 93.3	-	-	
MI - Detroit	-	-		617	76.7	74.8 - 78.5	-	-	
Minnesota	-	-		1,176	95.3	88.9 - 98.1	-	-	
Mississippi	-	-		314	95.3	90.5 - 97.7*	-	-	
Missouri	-	-		959	94.9	92.6 - 96.5*	-	-	
Montana	-	-		222	96.7	92.1 - 98.7*	-	-	
Nebraska	-	-		418	87.4	78.1 - 93.0	-	-	
Nevada	-	-		439	94.0	90.0 - 96.4*	-	-	
New Hampshire	-	-		304	97.0	92.7 - 98.8*	-	-	
New Jersey	-	-		1,542	91.1	83.4 - 95.3	-	-	
New Mexico	-	-		365	94.3	89.5 - 96.9*	-	-	
New York	-	-		3,446	93.2	89.9 - 95.5	-	-	
North Carolina	-	-		1,405	91.2	85.7 - 94.7	-	-	
North Dakota	-	-		153	94.1	86.3 - 97.5*	-	-	
Ohio	-	-		1,965	91.7	87.9 - 94.3	-	-	
Oklahoma	-	-		553	89.8	83.1 - 93.9	-	-	
Oregon	-	-		834	95.8	88.6 - 98.5	-	-	
Pennsylvania	-	-		2,542	93.4	90.2 - 95.5	-	-	
Rhode Island	-	-		211	98.2	93.3 - 99.5*	-	-	
South Carolina	-	-		586	95.2	91.9 - 97.1*	-	-	
Tennessee	-	-		999	94.7	92.7 - 96.1*	-	-	
Texas	-	-		4,285	87.7	83.9 - 90.7	-	-	
Utah	-	-		659	95.8	90.4 - 98.2	-	-	
Vermont	-	-		134	95.5	87.0 - 98.5*	-	-	
Virginia	-	-		1,046	95.6	93.7 - 97.0*	-	-	
Washington	-	-		1,442	94.2	89.5 - 96.9	-	-	
WA - Seattle	-	-		1,066	94.1	88.2 - 97.1	-	-	
West Virginia	-	-		327	78.8	69.6 - 85.4	-	-	
Wisconsin	-	-		1,254	93.1	86.8 - 96.5	-	-	
Wyoming	-	-		138	96.5	84.9 - 99.2*	-	-	

- 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

White

III-44 Survival – Testis

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	113,895	29.9	29.6 - 30.2	64,032	28.3	27.9 - 28.7	49,863	32.1	31.6 - 32.6
Alabama	1,748	27.7	25.0 - 30.3	970	26.3	22.9 - 29.9	778	28.8	24.9 - 32.9
Alaska	250	28.5	21.9 - 35.4 *	149	28.8	20.5 - 37.6 *	101	28.2	18.0 - 39.4 *
Arizona	2,608	30.9	28.8 - 33.0	1,461	29.6	26.8 - 32.4	1,147	32.3	29.1 - 35.5
Arkansas	1,176	29.6	26.4 - 32.9	684	30.3	26.3 - 34.5	492	21.5	16.8 - 26.7 *
California	12,458	28.9	27.9 - 29.9	7,058	27.0	25.7 - 28.3	5,400	31.5	29.9 - 33.0
CA - Greater California	7,521	28.8	27.5 - 30.0	4,235	26.2	24.6 - 27.9	3,286	32.1	30.1 - 34.1
CA - Greater Bay Area	2,230	28.8	26.5 - 31.1	1,279	27.2	24.2 - 30.3	951	30.8	27.3 - 34.4
CA - Los Angeles	2,707	29.6	27.5 - 31.8	1,545	28.5	25.8 - 31.3	1,162	30.8	27.3 - 34.3
Colorado	1,989	30.1	27.8 - 32.3	1,146	29.4	26.4 - 32.4	843	31.2	27.8 - 34.6
Connecticut	1,618	28.3	25.5 - 31.2	909	25.7	21.9 - 29.6	709	32.2	28.0 - 36.4
Delaware	354	18.2	13.3 - 23.8 *	184	15.6	9.5 - 23.1 *	170	20.7	13.4 - 29.1 *
District of Columbia	101	43.2	31.9 - 54.0 *	63	43.7	29.8 - 56.8 *	38	42.8	24.8 - 59.7 *
Florida	8,343	30.7	29.4 - 32.0	4,686	28.4	26.7 - 30.1	3,657	33.8	31.9 - 35.8
Georgia	3,043	28.0	26.1 - 29.9	1,723	25.9	23.4 - 28.4	1,320	30.9	28.1 - 33.8
Hawaii	182	29.7	23.1 - 36.6	105	29.9	21.3 - 38.9	77	28.5	18.6 - 39.2
Idaho	713	24.8	20.5 - 29.3	441	22.1	17.0 - 27.5	272	21.7	15.0 - 29.3 *
Illinois	4,786	31.5	30.0 - 33.1	2,670	29.9	27.9 - 31.9	2,116	33.6	31.3 - 36.0
Iowa	1,482	25.6	22.8 - 28.6	816	23.4	19.7 - 27.3	666	28.5	24.2 - 32.9
Kentucky	2,122	28.1	25.9 - 30.4	1,181	26.3	23.4 - 29.4	941	23.8	20.4 - 27.3 *
Louisiana	1,430	28.2	25.5 - 30.9	809	21.5	18.0 - 25.1 *	621	31.4	27.2 - 35.8
Maine	759	32.5	28.4 - 36.5	421	22.6	17.7 - 27.8 *	338	37.4	31.4 - 43.3
Maryland	1,842	30.9	28.4 - 33.3	1,027	28.2	25.0 - 31.4	815	34.3	30.5 - 38.0
Michigan	4,053	32.0	30.2 - 33.8	2,323	30.2	27.8 - 32.6	1,730	34.2	31.5 - 36.9
MI - Detroit	1,383	30.1	27.4 - 32.8	795	28.7	25.0 - 32.5	588	32.2	28.2 - 36.1
Minnesota	2,345	29.6	27.4 - 31.8	1,331	26.7	23.9 - 29.6	1,014	33.1	29.8 - 36.4
Mississippi	982	27.9	24.5 - 31.3	530	23.5	19.2 - 27.9 *	452	21.7	16.9 - 26.9 *
Missouri	2,514	30.9	28.9 - 33.0	1,396	28.0	25.2 - 30.8	1,118	28.3	25.1 - 31.6 *
Montana	543	28.9	24.3 - 33.5	320	24.8	19.0 - 31.0	223	34.7	28.5 - 41.0
Nebraska	823	27.8	24.1 - 31.6	469	23.1	18.6 - 28.0 *	354	27.5	21.7 - 33.6
Nevada	930	28.2	24.9 - 31.7	532	26.8	22.6 - 31.2	398	22.0	17.1 - 27.3 *
New Hampshire	684	31.0	27.0 - 35.0	381	31.7	26.9 - 36.6	303	29.9	23.6 - 36.3
New Jersey	3,608	31.6	29.9 - 33.4	2,020	30.0	27.6 - 32.3	1,588	33.7	31.1 - 36.3
New Mexico	694	31.4	27.0 - 35.7	393	30.0	24.6 - 35.6	301	26.0	19.8 - 32.5 *
New York	7,314	29.7	28.3 - 31.0	4,074	27.9	26.1 - 29.7	3,240	31.8	29.8 - 33.9
North Carolina	3,617	28.7	27.0 - 30.5	1,975	28.0	25.6 - 30.3	1,642	22.8	20.1 - 25.5 *
North Dakota	292	22.6	16.4 - 29.4 *	166	15.9	8.5 - 25.3 *	126	31.2	22.0 - 41.0 *
Ohio	4,781	28.8	27.2 - 30.3	2,731	26.4	24.3 - 28.4	2,050	32.1	29.7 - 34.6
Oklahoma	1,398	28.7	25.9 - 31.6	762	21.7	17.9 - 25.7 *	636	32.4	28.2 - 36.7
Oregon	1,913	29.0	26.6 - 31.4	1,087	28.3	25.0 - 31.5	826	29.6	26.1 - 33.3
Pennsylvania	5,836	30.3	28.8 - 31.7	3,254	29.6	27.7 - 31.5	2,582	30.9	28.7 - 33.1
Rhode Island	463	17.2	12.4 - 22.6 *	246	22.9	16.7 - 29.8	217	17.6	10.4 - 26.5 *
South Carolina	1,816	26.8	24.2 - 29.5	1,032	24.3	20.8 - 27.9	784	29.7	25.8 - 33.8
Tennessee	2,562	27.6	25.5 - 29.7	1,427	26.3	23.7 - 29.0	1,135	29.1	25.9 - 32.4
Texas	8,669	32.9	31.7 - 34.1	4,868	31.9	30.3 - 33.4	3,801	34.3	32.5 - 36.1
Utah	1,068	31.4	28.2 - 34.7	618	30.9	26.9 - 35.1	450	30.8	25.9 - 35.8
Vermont	321	33.2	27.7 - 38.9	187	33.5	26.3 - 40.9	134	23.9	15.5 - 33.2 *
Virginia	2,672	30.2	28.3 - 32.1	1,467	29.0	26.3 - 31.7	1,205	31.6	28.9 - 34.4
Washington	3,128	30.9	29.1 - 32.7	1,793	29.2	26.7 - 31.7	1,335	33.0	30.3 - 35.8
WA - Seattle	2,175	32.8	30.6 - 34.9	1,235	31.2	28.3 - 34.1	940	34.7	31.6 - 37.9
West Virginia	927	26.5	22.9 - 30.2 *	506	29.9	25.6 - 34.3	421	28.7	23.5 - 34.1 *
Wisconsin	2,666	27.9	25.8 - 30.0	1,498	25.9	23.2 - 28.8	1,168	30.4	27.3 - 33.6
Wyoming	272	24.1	17.4 - 31.4 *	143	15.4	7.3 - 26.4 *	129	32.0	21.9 - 42.4 *

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	223,385	91.9	91.7 - 92.1	73,247	90.2	89.8 - 90.6	150,138	92.7	92.5 - 92.9
Alabama	2,238	92.5	90.4 - 94.2	750	90.0	86.3 - 92.8	1,488	93.1	90.5 - 94.9
Alaska	419	90.1	83.2 - 94.2	142	83.7	66.2 - 92.6	277	89.4	83.6 - 93.2
Arizona	4,966	91.5	90.3 - 92.5	1,609	89.2	86.7 - 91.3	3,357	92.3	90.9 - 93.5
Arkansas	1,867	91.5	89.4 - 93.2	650	89.3	85.5 - 92.1	1,217	92.1	89.5 - 94.1
California	23,902	91.5	90.9 - 92.1	7,785	88.8	87.6 - 89.9	16,117	92.7	92.0 - 93.4
CA - Greater California	14,594	90.3	89.5 - 91.1	4,739	87.6	86.1 - 88.9	9,855	91.5	90.6 - 92.4
CA - Greater Bay Area	4,284	93.6	92.1 - 94.7	1,430	91.0	88.1 - 93.2	2,854	94.6	92.9 - 95.9
CA - Los Angeles	5,024	92.9	91.4 - 94.1	1,615	88.6	86.1 - 90.6	3,409	94.0	92.3 - 95.3
Colorado	5,200	91.1	89.7 - 92.3	1,672	88.3	85.4 - 90.7	3,528	92.2	90.6 - 93.5
Connecticut	2,586	89.8	87.8 - 91.5	873	86.4	82.0 - 89.7	1,713	91.6	89.3 - 93.3
Delaware	527	90.1	85.3 - 93.4	182	88.6	81.1 - 93.2	345	88.8	81.4 - 93.4
District of Columbia	149	91.9	84.7 - 95.8	62	83.4	65.3 - 92.6*	87	93.5	85.2 - 97.2
Florida	18,350	90.3	89.5 - 90.9	5,995	87.6	86.2 - 88.8	12,355	91.4	90.5 - 92.2
Georgia	5,866	90.5	89.1 - 91.8	1,959	88.7	86.2 - 90.8	3,907	91.0	89.3 - 92.5
Hawaii	301	84.3	76.7 - 89.6	115	81.8	71.2 - 88.8	186	84.2	74.5 - 90.4
Idaho	1,283	90.1	87.1 - 92.4	424	88.8	83.0 - 92.7	859	90.2	86.7 - 92.8
Illinois	9,956	93.1	92.2 - 93.9	3,215	92.1	90.4 - 93.6	6,741	93.3	92.2 - 94.2
Iowa	3,086	91.6	90.0 - 93.1	1,010	90.4	87.0 - 92.9	2,076	91.9	89.6 - 93.7
Kentucky	4,626	91.3	89.8 - 92.5	1,413	87.7	84.6 - 90.1	3,213	92.6	91.0 - 94.0
Louisiana	2,990	91.3	89.6 - 92.8	1,053	90.2	87.3 - 92.5	1,937	91.3	89.1 - 93.0
Maine	964	89.4	85.8 - 92.1	345	83.5	70.1 - 91.2	619	89.0	85.0 - 92.0
Maryland	3,258	90.4	88.7 - 91.9	1,102	88.1	85.0 - 90.6	2,156	91.0	88.8 - 92.8
Michigan	7,044	89.3	88.1 - 90.4	2,291	85.7	83.2 - 87.9	4,753	90.5	89.1 - 91.8
MI - Detroit	3,107	89.5	87.6 - 91.1	952	85.9	82.0 - 89.1	2,155	90.8	88.7 - 92.5
Minnesota	3,268	94.0	92.3 - 95.4	1,225	94.5	91.8 - 96.3	2,043	93.3	91.2 - 94.9
Mississippi	1,580	89.9	86.8 - 92.3	538	89.7	85.0 - 93.0	1,042	89.4	85.7 - 92.2
Missouri	5,043	91.9	90.5 - 93.1	1,599	89.7	86.9 - 91.9	3,444	92.6	91.0 - 94.0
Montana	922	91.3	88.4 - 93.5	321	88.0	82.4 - 91.9	601	92.0	88.2 - 94.6
Nebraska	1,304	92.1	89.2 - 94.2	432	89.7	84.0 - 93.4	872	92.8	89.2 - 95.2
Nevada	1,461	90.5	87.9 - 92.6	491	84.6	78.9 - 88.8	970	92.6	89.4 - 94.8
New Hampshire	1,113	94.8	92.1 - 96.6	374	92.7	85.4 - 96.5	739	95.1	92.0 - 96.9
New Jersey	6,790	91.8	90.6 - 92.9	2,277	90.4	88.1 - 92.4	4,513	92.1	90.7 - 93.3
New Mexico	1,247	88.2	85.3 - 90.5	391	84.8	79.8 - 88.6	856	88.6	85.2 - 91.3
New York	16,483	90.4	89.6 - 91.1	5,353	87.8	86.2 - 89.2	11,130	91.5	90.6 - 92.3
North Carolina	7,069	92.8	91.7 - 93.7	2,279	90.5	88.3 - 92.3	4,790	93.5	92.2 - 94.6
North Dakota	439	92.4	88.1 - 95.1	155	87.7	78.7 - 93.0	284	93.7	89.0 - 96.5
Ohio	7,694	92.3	91.1 - 93.3	2,539	90.2	87.9 - 92.1	5,155	93.0	91.6 - 94.2
Oklahoma	2,568	92.0	89.9 - 93.7	822	85.3	79.9 - 89.3	1,746	93.8	91.5 - 95.5
Oregon	2,545	93.3	91.3 - 94.9	917	91.9	87.9 - 94.6	1,628	93.9	91.5 - 95.6
Pennsylvania	12,807	92.7	91.9 - 93.4	4,087	91.5	90.0 - 92.8	8,720	93.0	92.1 - 93.9
Rhode Island	759	89.4	85.5 - 92.2	270	88.8	81.8 - 93.2	489	89.0	84.1 - 92.5
South Carolina	3,207	91.8	90.2 - 93.1	1,055	88.7	85.4 - 91.2	2,152	92.8	90.8 - 94.4
Tennessee	5,663	91.8	90.5 - 93.0	1,793	89.9	87.4 - 92.0	3,870	92.3	90.6 - 93.6
Texas	18,795	92.5	91.8 - 93.1	6,040	90.5	89.1 - 91.7	12,755	93.1	92.3 - 93.8
Utah	3,166	92.1	90.1 - 93.7	989	88.3	83.9 - 91.5	2,177	93.4	91.3 - 95.0
Vermont	647	92.8	89.3 - 95.2	193	90.5	81.6 - 95.2	454	92.7	87.2 - 95.9
Virginia	4,291	92.6	91.2 - 93.8	1,456	91.8	89.1 - 93.8	2,835	92.9	91.2 - 94.3
Washington	7,261	93.3	92.2 - 94.3	2,463	92.5	90.2 - 94.2	4,798	93.6	92.2 - 94.7
WA - Seattle	5,960	93.7	92.4 - 94.7	2,007	91.6	89.0 - 93.5	3,953	94.5	93.2 - 95.6
West Virginia	1,582	91.4	88.6 - 93.5	528	87.0	82.0 - 90.8	1,054	92.6	89.2 - 94.9
Wisconsin	5,680	93.7	92.6 - 94.7	1,871	92.5	90.4 - 94.1	3,809	94.1	92.7 - 95.3
Wyoming	423	92.8	85.6 - 96.5	142	91.9	75.8 - 97.4	281	92.8	85.1 - 96.6

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

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	257,557	96.4	96.2 - 96.6	66,426	93.9	93.5 - 94.4	191,131	97.4	97.2 - 97.6
Alabama	2,655	95.6	93.0 - 97.3	718	93.5	89.7 - 96.0	1,937	94.9	91.7 - 96.9
Alaska	407	90.0	80.9 - 94.9	115	89.3	76.2 - 95.4	292	97.8	92.7 - 99.3*
Arizona	6,326	96.5	95.4 - 97.4	1,518	93.1	90.3 - 95.1	4,808	97.5	96.4 - 98.3
Arkansas	2,081	94.8	91.7 - 96.8	559	91.8	87.3 - 94.8	1,522	95.2	91.0 - 97.5
California	26,840	95.0	94.3 - 95.6	6,647	92.7	91.2 - 94.0	20,193	95.7	94.9 - 96.3
CA - Greater California	15,776	95.1	94.1 - 95.9	3,857	92.8	90.7 - 94.5	11,919	95.6	94.6 - 96.5
CA - Greater Bay Area	4,094	93.9	92.0 - 95.4	1,123	93.3	88.7 - 96.0	2,971	93.9	91.9 - 95.4
CA - Los Angeles	6,968	94.6	93.5 - 95.6	1,667	90.6	87.3 - 93.0	5,301	95.8	94.5 - 96.8
Colorado	5,450	95.1	93.4 - 96.3	1,461	92.0	89.2 - 94.1	3,989	96.2	94.2 - 97.5
Connecticut	4,356	95.9	94.2 - 97.1	1,117	93.8	90.4 - 96.0	3,239	96.5	94.4 - 97.8
Delaware	842	95.5	91.6 - 97.6	199	88.5	78.4 - 94.1	643	96.7	92.9 - 98.5
District of Columbia	331	99.6	96.5 - 99.9*	89	98.9	92.2 - 99.8*	242	99.7	92.6 - *
Florida	15,576	95.5	94.7 - 96.2	4,080	93.0	91.3 - 94.5	11,496	96.4	95.6 - 97.1
Georgia	6,276	96.4	94.3 - 97.7	1,604	92.8	88.9 - 95.4	4,672	97.5	94.9 - 98.8
Hawaii	382	93.6	87.1 - 96.9	132	88.6	73.3 - 95.4*	250	96.0	88.4 - 98.7
Idaho	1,712	95.2	92.1 - 97.2	409	89.3	80.0 - 94.4	1,303	95.9	93.2 - 97.5
Illinois	11,749	97.6	96.9 - 98.1	3,059	95.7	94.4 - 96.6	8,690	97.9	96.8 - 98.6
Iowa	2,948	93.5	91.0 - 95.3	796	90.1	85.7 - 93.2	2,152	94.6	91.4 - 96.6
Kentucky	4,553	95.1	93.6 - 96.2	1,189	90.9	87.4 - 93.5	3,364	96.5	95.1 - 97.5
Louisiana	3,497	96.4	95.0 - 97.4	926	92.3	89.1 - 94.6	2,571	97.5	95.9 - 98.4
Maine	1,546	94.5	91.0 - 96.7	436	89.6	81.6 - 94.2	1,110	95.8	91.8 - 97.8
Maryland	4,474	97.5	96.3 - 98.2	1,145	95.4	92.3 - 97.2	3,329	97.8	96.6 - 98.5
Michigan	8,298	94.0	92.7 - 95.1	2,124	90.5	87.9 - 92.6	6,174	95.2	93.7 - 96.4
MI - Detroit	3,631	96.0	94.0 - 97.3	910	90.8	86.2 - 94.0	2,721	97.5	95.0 - 98.8
Minnesota	4,499	94.7	93.3 - 95.7	1,219	89.8	85.9 - 92.6	3,280	96.5	95.1 - 97.5
Mississippi	1,693	94.7	91.4 - 96.7	456	93.2	88.3 - 96.1	1,237	93.2	89.4 - 95.7
Missouri	4,830	95.1	93.7 - 96.2	1,288	92.3	89.3 - 94.5	3,542	96.2	94.5 - 97.3
Montana	994	92.0	87.6 - 94.9	280	86.2	77.0 - 91.9	714	93.2	88.0 - 96.2
Nebraska	1,716	93.0	89.6 - 95.3	439	86.4	79.4 - 91.2	1,277	94.9	91.1 - 97.1
Nevada	2,553	96.4	94.7 - 97.5	627	93.4	89.5 - 95.9	1,926	96.7	94.8 - 97.9
New Hampshire	1,511	96.6	91.8 - 98.6	388	93.8	84.0 - 97.7	1,123	97.1	94.6 - 98.5
New Jersey	10,455	97.8	96.6 - 98.5	2,746	96.3	93.5 - 97.8	7,709	98.2	97.0 - 99.0
New Mexico	2,033	92.9	89.5 - 95.3	487	89.4	83.6 - 93.2*	1,546	95.7	91.4 - 97.9
New York	21,715	96.2	95.4 - 96.8	5,736	94.3	92.8 - 95.5	15,979	96.9	96.0 - 97.5
North Carolina	7,275	95.3	94.3 - 96.1	1,971	92.6	90.5 - 94.3	5,304	96.2	95.1 - 97.1
North Dakota	761	93.2	87.7 - 96.2	194	88.3	76.2 - 94.5	567	93.7	87.8 - 96.8
Ohio	10,965	96.7	95.5 - 97.5	2,652	92.1	89.4 - 94.1	8,313	97.6	96.9 - 98.2
Oklahoma	2,719	96.2	94.2 - 97.5	682	92.1	87.9 - 94.9	2,037	97.2	95.4 - 98.3
Oregon	3,576	96.1	94.5 - 97.2	961	90.9	86.5 - 93.9	2,615	97.2	95.8 - 98.1
Pennsylvania	17,055	97.5	97.0 - 97.9	4,415	95.4	94.1 - 96.5	12,640	98.1	97.6 - 98.5
Rhode Island	1,295	95.2	92.2 - 97.0	328	91.8	86.1 - 95.2	967	95.9	92.2 - 97.9
South Carolina	3,204	96.0	94.5 - 97.2	844	91.7	87.5 - 94.5	2,360	97.0	95.1 - 98.1
Tennessee	5,558	97.0	96.0 - 97.8	1,498	93.4	89.2 - 96.0	4,060	97.8	96.6 - 98.6
Texas	19,221	96.1	95.4 - 96.7	4,894	92.5	91.0 - 93.8	14,327	97.4	96.7 - 97.9
Utah	3,258	93.8	91.4 - 95.5	773	89.4	84.7 - 92.7	2,485	95.4	92.5 - 97.2
Vermont	620	92.3	86.7 - 95.6	175	89.4	79.5 - 94.6	445	93.6	85.7 - 97.2
Virginia	5,880	95.4	94.1 - 96.4	1,464	93.2	90.6 - 95.1	4,416	96.0	94.3 - 97.2
Washington	5,907	95.3	94.0 - 96.3	1,566	91.3	88.8 - 93.3	4,341	96.6	95.2 - 97.6
WA - Seattle	4,056	95.6	94.2 - 96.7	1,095	91.8	88.6 - 94.1	2,961	96.8	95.5 - 97.7
West Virginia	2,182	95.4	92.5 - 97.3	506	91.6	84.5 - 95.5	1,676	96.2	93.4 - 97.8
Wisconsin	5,208	95.9	94.7 - 96.9	1,368	94.0	91.1 - 96.1	3,840	96.4	94.8 - 97.5
Wyoming	575	92.6	87.6 - 95.6	146	88.8	78.7 - 94.3	429	93.9	88.2 - 96.9

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	44,642	85.0	84.6 - 85.4	24,788	83.8	83.2 - 84.4	19,854	86.5	85.9 - 87.1
Alabama	530	79.5	74.5 - 83.6	287	72.3	66.0 - 77.6	243	81.8	75.3 - 86.7
Alaska	69	87.0	74.3 - 93.7*	38	81.9	62.0 - 92.0*	31	92.7	71.2 - 98.3*
Arizona	881	82.6	79.4 - 85.3	484	81.6	76.6 - 85.6	397	83.2	79.0 - 86.5
Arkansas	436	84.8	80.3 - 88.3	238	84.9	78.4 - 89.6*	198	83.9	77.5 - 88.5
California	4,853	82.6	81.2 - 83.9	2,708	80.7	78.8 - 82.5	2,145	84.8	82.8 - 86.6
CA - Greater California	2,809	82.5	80.7 - 84.1	1,561	80.7	78.3 - 82.9	1,248	84.3	81.6 - 86.6
CA - Greater Bay Area	851	84.5	81.1 - 87.3	486	82.5	77.7 - 86.4	365	86.3	82.1 - 89.7
CA - Los Angeles	1,191	80.7	77.8 - 83.3	661	76.5	73.3 - 79.3	530	83.8	79.4 - 87.4
Colorado	797	87.2	83.8 - 89.8	468	84.1	79.4 - 87.8	329	88.4	82.8 - 92.3
Connecticut	687	88.5	85.1 - 91.2	376	83.2	78.4 - 87.0	311	91.8	87.4 - 94.8
Delaware	149	86.0	81.6 - 89.4	85	86.1	80.4 - 90.2	64	83.2	73.3 - 89.7
District of Columbia	65	95.2	84.2 - 98.6*	34	93.6	72.3 - 98.7*	31	96.8	79.2 - 99.5*
Florida	3,499	83.9	82.3 - 85.4	1,967	81.3	78.9 - 83.5	1,532	86.9	84.8 - 88.8
Georgia	1,058	81.5	78.1 - 84.5	570	79.4	74.3 - 83.6	488	83.8	79.0 - 87.5
Hawaii	65	82.5	65.1 - 91.8*	40	78.2	54.3 - 90.5*	25	-	-
Idaho	250	88.5	82.8 - 92.4	141	88.4	79.3 - 93.7*	109	90.8	84.4 - 94.7
Illinois	1,940	84.7	82.8 - 86.4	1,089	83.1	80.4 - 85.6	851	86.3	83.6 - 88.6
Iowa	605	86.4	82.6 - 89.5	343	85.6	80.2 - 89.7	262	86.8	81.7 - 90.5
Kentucky	719	83.3	79.5 - 86.4	411	82.5	77.6 - 86.4	308	83.0	76.6 - 87.8
Louisiana	609	79.2	75.0 - 82.8	321	80.4	74.6 - 85.1	288	77.1	70.2 - 82.6*
Maine	279	85.5	80.1 - 89.5	149	82.2	73.6 - 88.2	130	89.3	80.1 - 94.4*
Maryland	687	87.0	83.8 - 89.7	384	84.8	80.1 - 88.5	303	89.5	84.6 - 92.9
Michigan	1,580	82.1	79.4 - 84.4	902	81.8	78.0 - 85.1	678	82.3	78.3 - 85.6
MI - Detroit	589	84.9	80.3 - 88.6	342	87.2	80.2 - 91.9	247	81.3	74.4 - 86.5
Minnesota	1,000	86.0	83.1 - 88.4	588	84.8	80.9 - 87.9	412	86.9	82.4 - 90.3
Mississippi	307	80.0	74.3 - 84.6	168	79.4	71.7 - 85.2	139	81.8	74.1 - 87.4
Missouri	964	83.9	80.6 - 86.7	519	82.0	76.9 - 86.1	445	84.2	79.6 - 87.8
Montana	181	86.2	80.1 - 90.5	97	87.3	77.1 - 93.1	84	83.5	71.8 - 90.6*
Nebraska	329	87.3	82.7 - 90.7	195	87.1	80.0 - 91.8*	134	83.3	79.1 - 86.7
Nevada	288	83.8	78.9 - 87.7	162	83.5	76.4 - 88.6	126	83.5	74.4 - 89.5*
New Hampshire	271	85.1	79.6 - 89.2	154	85.3	77.6 - 90.5	117	85.2	75.7 - 91.2*
New Jersey	1,560	87.0	84.8 - 88.9	844	86.6	83.7 - 89.0	716	87.2	84.2 - 89.7
New Mexico	312	78.2	71.6 - 83.5	189	74.5	65.0 - 81.8	123	86.6	75.6 - 92.9*
New York	3,427	85.4	83.7 - 86.8	1,842	85.2	82.9 - 87.2	1,585	85.1	82.8 - 87.1
North Carolina	1,241	85.4	82.9 - 87.6	714	83.1	79.4 - 86.2	527	87.7	84.0 - 90.5
North Dakota	148	88.1	80.8 - 92.7	93	89.0	78.1 - 94.6	55	84.1	66.1 - 93.0*
Ohio	1,814	85.8	83.6 - 87.6	1,026	84.5	81.4 - 87.1	788	86.9	84.0 - 89.4
Oklahoma	524	83.1	78.9 - 86.5	285	83.5	78.4 - 87.5	239	81.4	74.6 - 86.6
Oregon	610	86.1	82.8 - 88.9	328	83.6	79.4 - 87.1	282	89.2	83.9 - 92.8
Pennsylvania	2,492	85.9	83.9 - 87.6	1,394	86.2	83.5 - 88.5	1,098	85.5	82.6 - 88.0
Rhode Island	215	85.1	76.5 - 90.7	107	81.8	67.7 - 90.1	108	86.0	72.7 - 93.1
South Carolina	604	83.3	79.2 - 86.7	319	79.3	72.7 - 84.5*	285	87.3	81.8 - 91.3
Tennessee	969	83.3	79.9 - 86.2	510	81.7	76.2 - 86.0	459	85.2	80.1 - 89.0
Texas	3,504	82.8	81.3 - 84.2	1,930	80.5	78.3 - 82.4	1,574	85.4	83.1 - 87.5
Utah	450	90.8	86.0 - 94.0	235	86.9	79.4 - 91.8	215	94.2	87.1 - 97.5
Vermont	126	91.6	83.2 - 95.9	65	94.9	82.3 - 98.6*	61	89.7	70.9 - 96.6*
Virginia	971	84.7	81.6 - 87.4	509	82.1	77.3 - 86.0	462	87.0	82.5 - 90.3
Washington	1,078	91.1	88.8 - 92.9	633	90.2	87.1 - 92.6	445	89.2	82.8 - 93.3
WA - Seattle	741	91.9	89.2 - 94.0	433	90.4	86.8 - 93.0	308	91.5	83.2 - 95.8
West Virginia	311	82.3	77.0 - 86.6	174	81.4	73.4 - 87.2	137	82.9	76.2 - 87.9
Wisconsin	1,108	85.5	82.7 - 87.9	623	84.2	80.2 - 87.5	485	87.3	83.4 - 90.3
Wyoming	80	87.0	67.2 - 95.3*	50	85.1	61.8 - 94.7*	30	-	-

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	377,642	71.0	70.7 - 71.2	207,172	68.7	68.4 - 69.1	170,470	73.7	73.4 - 74.0
Alabama	5,064	67.5	65.5 - 69.5	2,731	65.8	62.8 - 68.6	2,333	69.0	66.1 - 71.7
Alaska	606	70.6	64.2 - 76.0	372	68.8	60.4 - 75.7	234	72.2	62.7 - 79.7
Arizona	7,484	67.6	66.0 - 69.0	4,108	63.9	61.7 - 66.0	3,376	71.6	69.5 - 73.6
Arkansas	3,628	69.4	66.9 - 71.7	1,966	67.7	64.2 - 70.9	1,662	71.0	67.7 - 74.1
California	40,423	69.3	68.6 - 70.0	22,595	67.2	66.3 - 68.2	17,828	72.0	71.0 - 72.9
CA - Greater California	23,381	68.4	67.4 - 69.3	13,096	65.9	64.6 - 67.2	10,285	71.3	70.0 - 72.6
CA - Greater Bay Area	7,572	73.9	72.4 - 75.3	4,319	73.0	71.0 - 74.9	3,253	75.2	73.0 - 77.2
CA - Los Angeles	9,475	67.8	66.3 - 69.1	5,184	65.2	63.2 - 67.2	4,291	70.5	68.5 - 72.4
Colorado	5,954	73.0	71.2 - 74.7	3,331	71.1	68.6 - 73.5	2,623	74.9	72.3 - 77.3
Connecticut	5,627	73.4	71.6 - 75.2	3,058	71.3	68.6 - 73.8	2,569	76.2	73.6 - 78.5
Delaware	1,347	69.4	65.6 - 72.8	725	64.3	58.8 - 69.3	622	74.6	69.7 - 78.9
District of Columbia	263	64.8	55.1 - 72.9	166	56.3	44.6 - 66.5	97	76.8	60.5 - 87.1
Florida	33,671	72.1	71.3 - 72.8	18,437	68.8	67.7 - 69.8	15,234	76.1	75.1 - 77.1
Georgia	9,227	68.9	67.3 - 70.4	5,099	66.3	64.1 - 68.3	4,128	71.8	69.6 - 73.9
Hawaii	643	69.3	63.5 - 74.4	382	65.1	56.5 - 72.4	261	75.0	67.4 - 81.1
Idaho	2,189	70.2	67.2 - 73.1	1,223	65.8	61.5 - 69.8	966	75.0	70.7 - 78.8
Illinois	16,277	72.6	71.5 - 73.6	8,816	71.5	69.9 - 73.0	7,461	74.1	72.6 - 75.6
Iowa	5,253	70.0	68.1 - 71.8	2,895	67.9	65.2 - 70.5	2,358	72.5	69.8 - 75.0
Kentucky	6,564	68.9	67.0 - 70.6	3,600	65.3	62.9 - 67.6	2,964	72.5	69.9 - 74.9
Louisiana	5,187	70.1	68.1 - 72.0	2,844	66.3	63.4 - 69.1	2,343	74.4	71.6 - 76.9
Maine	2,444	72.5	69.7 - 75.1	1,308	69.9	65.7 - 73.6	1,136	75.0	71.2 - 78.5
Maryland	5,732	73.6	71.7 - 75.3	3,128	71.7	69.0 - 74.2	2,604	75.5	73.0 - 77.9
Michigan	13,933	69.8	68.6 - 71.0	7,610	67.7	66.0 - 69.3	6,323	72.2	70.5 - 73.8
MI - Detroit	5,263	71.0	69.1 - 72.8	2,858	69.0	66.3 - 71.6	2,405	73.0	70.4 - 75.5
Minnesota	8,429	73.2	71.7 - 74.6	4,751	71.2	69.2 - 73.2	3,678	75.7	73.6 - 77.7
Mississippi	2,890	68.5	65.6 - 71.2	1,561	64.4	60.1 - 68.3	1,329	73.2	69.6 - 76.6
Missouri	8,120	70.6	68.9 - 72.1	4,441	68.8	66.5 - 71.0	3,679	72.3	70.1 - 74.4
Montana	1,561	71.5	67.7 - 74.9	881	69.6	64.7 - 74.0	680	72.3	66.5 - 77.3
Nebraska	2,752	72.7	70.0 - 75.1	1,508	73.2	69.2 - 76.8	1,244	72.0	68.2 - 75.4
Nevada	2,721	69.9	67.1 - 72.4	1,526	66.9	63.0 - 70.4	1,195	73.1	69.3 - 76.4
New Hampshire	2,306	75.2	72.2 - 77.9	1,269	70.7	66.2 - 74.7	1,037	80.2	75.9 - 83.9
New Jersey	12,797	73.4	72.2 - 74.6	6,812	70.6	68.8 - 72.2	5,985	76.4	74.8 - 78.0
New Mexico	2,208	67.3	64.2 - 70.2	1,173	66.0	61.7 - 70.0	1,035	68.0	63.6 - 72.0
New York	27,352	71.8	70.9 - 72.6	14,744	69.1	67.9 - 70.3	12,608	75.1	73.9 - 76.2
North Carolina	10,935	70.3	68.9 - 71.7	6,031	68.3	66.3 - 70.3	4,904	72.7	70.8 - 74.6
North Dakota	1,055	73.1	68.9 - 76.8	562	71.7	66.2 - 76.4	493	74.0	67.9 - 79.1
Ohio	15,857	70.7	69.5 - 71.8	8,666	68.5	66.8 - 70.2	7,191	73.1	71.6 - 74.6
Oklahoma	4,418	67.4	65.1 - 69.6	2,416	66.1	63.1 - 69.0	2,002	68.4	65.1 - 71.5
Oregon	5,683	72.9	71.1 - 74.6	3,132	71.3	68.8 - 73.7	2,551	74.8	72.1 - 77.3
Pennsylvania	20,956	71.3	70.4 - 72.3	11,257	69.8	68.4 - 71.2	9,699	73.3	72.0 - 74.6
Rhode Island	1,697	71.8	68.5 - 74.9	901	70.8	66.2 - 74.9	796	72.8	68.2 - 76.8
South Carolina	5,111	70.4	68.4 - 72.3	2,779	67.2	64.4 - 69.8	2,332	73.8	71.0 - 76.4
Tennessee	8,014	68.7	67.1 - 70.3	4,379	65.7	63.3 - 68.0	3,635	71.7	69.5 - 73.8
Texas	26,626	70.0	69.1 - 70.9	14,697	67.4	66.2 - 68.7	11,929	73.2	71.9 - 74.4
Utah	2,945	72.9	70.3 - 75.3	1,693	72.0	68.5 - 75.2	1,252	73.7	69.9 - 77.1
Vermont	1,106	74.7	70.2 - 78.6	630	73.7	67.0 - 79.3	476	75.4	69.2 - 80.6
Virginia	8,335	69.8	68.1 - 71.3	4,596	67.9	65.6 - 70.1	3,739	71.7	69.4 - 73.9
Washington	9,371	72.1	70.7 - 73.5	5,300	70.7	68.6 - 72.7	4,071	73.9	71.8 - 75.8
WA - Seattle	6,623	71.4	69.6 - 73.0	3,746	70.3	67.8 - 72.6	2,877	72.8	70.3 - 75.2
West Virginia	3,100	69.7	67.0 - 72.2	1,634	67.6	63.8 - 71.1	1,466	71.6	67.8 - 75.0
Wisconsin	9,069	74.1	72.6 - 75.5	5,021	72.0	70.0 - 73.9	4,048	76.5	74.4 - 78.4
Wyoming	712	65.9	59.8 - 71.3	418	65.7	58.3 - 72.1	294	63.2	52.7 - 72.1

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	117,286	54.1	53.6 - 54.5	67,381	53.5	52.9 - 54.1	49,905	54.9	54.3 - 55.6
Alabama	1,593	47.4	43.5 - 51.1	912	42.9	38.0 - 47.8	681	52.9	46.9 - 58.5
Alaska	170	49.2	37.2 - 60.2	100	47.0	33.6 - 59.3	70	61.6	41.4 - 76.6
Arizona	2,372	48.7	45.6 - 51.6	1,366	45.8	41.6 - 49.9	1,006	52.0	47.6 - 56.2
Arkansas	1,181	56.4	51.9 - 60.6	664	57.2	51.1 - 62.8	517	54.1	47.7 - 60.2
California	12,515	50.9	49.6 - 52.3	7,327	50.5	48.7 - 52.2	5,188	51.6	49.6 - 53.6
CA - Greater California	7,505	50.1	48.4 - 51.8	4,368	49.9	47.6 - 52.1	3,137	50.6	47.9 - 53.1
CA - Greater Bay Area	2,204	52.7	49.4 - 55.8	1,322	52.4	48.1 - 56.5	882	52.9	47.9 - 57.6
CA - Los Angeles	2,806	51.6	48.7 - 54.3	1,637	50.6	46.8 - 54.2	1,169	52.7	48.5 - 56.8
Colorado	2,017	58.3	54.8 - 61.5	1,228	56.5	51.8 - 60.9	789	60.6	55.5 - 65.2
Connecticut	1,736	55.9	52.3 - 59.3	973	56.5	51.6 - 61.1	763	54.5	49.0 - 59.6
Delaware	380	49.4	41.3 - 57.0	204	43.3	31.0 - 54.9	176	52.7	42.2 - 62.1
District of Columbia	86	63.9	49.7 - 75.1	47	-	-	39	-	-
Florida	10,712	58.4	56.8 - 59.9	6,136	57.3	55.2 - 59.3	4,576	59.9	57.6 - 62.1
Georgia	3,029	54.3	51.4 - 57.1	1,772	51.2	47.3 - 55.1	1,257	57.8	53.6 - 61.7
Hawaii	212	51.2	39.3 - 61.9	140	43.1	35.1 - 50.9	72	56.4	38.9 - 70.6*
Idaho	718	52.0	46.2 - 57.5	452	52.1	44.7 - 58.9	266	45.9	36.0 - 55.2*
Illinois	4,555	56.8	54.6 - 59.0	2,556	55.4	52.4 - 58.4	1,999	57.8	54.4 - 61.0
Iowa	1,682	51.3	47.5 - 54.9	958	53.2	48.4 - 57.7	724	48.1	42.2 - 53.8
Kentucky	2,049	46.3	42.5 - 49.9	1,237	43.4	38.4 - 48.2	812	51.2	45.8 - 56.3
Louisiana	1,493	54.5	50.4 - 58.3	863	53.3	48.0 - 58.2	630	53.1	45.9 - 59.8
Maine	718	55.6	49.6 - 61.3*	398	58.7	50.5 - 66.1*	320	51.3	42.1 - 59.7*
Maryland	1,685	53.0	49.3 - 56.6	945	54.4	49.5 - 59.0	740	51.9	46.3 - 57.1
Michigan	4,221	52.4	50.0 - 54.7	2,439	52.2	48.9 - 55.3	1,782	52.9	49.4 - 56.2
MI - Detroit	1,563	51.3	47.4 - 55.1	901	47.6	42.3 - 52.7	662	56.0	50.3 - 61.4
Minnesota	2,509	57.8	54.7 - 60.8	1,474	57.4	53.3 - 61.3	1,035	58.6	53.8 - 63.1
Mississippi	866	47.0	42.2 - 51.7	526	47.3	41.2 - 53.2	340	45.6	37.9 - 53.1
Missouri	2,509	51.7	48.5 - 54.8	1,456	50.7	46.3 - 54.9	1,053	52.7	48.0 - 57.3
Montana	543	50.5	43.1 - 57.4*	333	51.9	43.0 - 60.0*	210	46.6	34.1 - 58.1*
Nebraska	835	49.6	44.2 - 54.8	496	44.1	37.2 - 50.8	339	57.6	49.2 - 65.1
Nevada	766	42.8	37.3 - 48.2	455	44.1	37.0 - 51.0	311	40.5	31.2 - 49.6
New Hampshire	661	63.4	57.7 - 68.5	383	64.3	56.6 - 71.1	278	58.9	50.2 - 66.6
New Jersey	3,765	56.9	54.5 - 59.3	2,110	55.7	52.2 - 59.0	1,655	58.5	55.0 - 61.9
New Mexico	730	50.4	44.8 - 55.6	428	51.7	44.0 - 58.8	302	48.0	40.1 - 55.4
New York	8,939	57.5	55.9 - 59.1	5,025	57.5	55.3 - 59.7	3,914	57.6	55.3 - 59.9
North Carolina	3,744	55.6	53.1 - 58.0	2,081	55.5	51.9 - 58.9	1,663	55.7	52.1 - 59.1
North Dakota	343	58.7	51.0 - 65.7	196	59.2	49.5 - 67.6	147	50.6	38.6 - 61.5*
Ohio	4,347	48.7	46.2 - 51.0	2,459	47.4	44.1 - 50.7	1,888	49.9	46.4 - 53.3
Oklahoma	1,397	49.3	44.8 - 53.6	799	50.1	44.2 - 55.6	598	47.3	40.3 - 53.9
Oregon	1,583	52.9	48.9 - 56.7	932	52.8	47.5 - 57.7	651	53.2	47.1 - 58.8
Pennsylvania	6,075	52.7	50.7 - 54.6	3,477	53.4	50.7 - 56.0	2,598	51.6	48.6 - 54.5
Rhode Island	443	62.3	55.6 - 68.2	254	64.5	54.9 - 72.6	189	59.7	49.6 - 68.4
South Carolina	1,775	49.5	45.7 - 53.2	1,011	49.3	44.0 - 54.5	764	48.9	43.1 - 54.5
Tennessee	2,453	52.5	49.4 - 55.6	1,423	50.3	46.0 - 54.4	1,030	55.2	50.5 - 59.6
Texas	9,317	56.2	54.6 - 57.8	5,263	53.9	51.7 - 56.1	4,054	59.1	56.8 - 61.4
Utah	984	53.5	48.8 - 58.1	578	53.7	47.4 - 59.7	406	53.2	45.9 - 60.0
Vermont	305	49.6	40.4 - 58.2	182	47.1	35.0 - 58.3	123	51.0	37.6 - 62.8
Virginia	2,385	51.1	48.0 - 54.0	1,374	49.1	45.0 - 53.0	1,011	54.0	49.4 - 58.3
Washington	2,803	57.2	54.2 - 60.0	1,622	58.0	54.0 - 61.8	1,181	56.2	51.8 - 60.4
WA - Seattle	1,994	57.0	53.5 - 60.4	1,159	58.5	53.9 - 62.8	835	55.8	50.6 - 60.8
West Virginia	964	46.9	41.8 - 51.8	554	46.8	39.9 - 53.4	410	47.1	40.2 - 53.8
Wisconsin	2,883	58.2	55.5 - 60.8	1,638	61.1	57.3 - 64.6	1,245	54.5	50.2 - 58.5
Wyoming	238	49.7	39.1 - 59.5*	135	44.7	30.8 - 57.7*	103	56.2	39.8 - 69.7*

- 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-52 Survival – Myeloma

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	259,229	56.8	56.5 - 57.1	152,799	56.5	56.1 - 56.9	106,430	57.2	56.8 - 57.6
Alabama	3,408	47.1	44.6 - 49.6	1,992	46.1	42.8 - 49.3	1,416	47.4	43.7 - 51.0
Alaska	377	58.0	49.7 - 65.4	230	52.0	42.0 - 61.1	147	63.8	54.2 - 71.9
Arizona	4,863	43.4	41.4 - 45.3	2,900	42.8	40.3 - 45.4	1,963	44.1	41.1 - 47.0
Arkansas	2,470	54.5	51.2 - 57.7	1,478	52.7	48.6 - 56.7	992	56.2	51.1 - 61.0
California	26,023	54.2	53.3 - 55.0	15,399	54.9	53.8 - 56.1	10,624	53.0	51.7 - 54.4
CA - Greater California	15,526	52.8	51.6 - 53.9	9,180	53.2	51.7 - 54.7	6,346	52.0	50.3 - 53.7
CA - Greater Bay Area	4,658	60.4	58.4 - 62.4	2,814	61.3	58.6 - 63.9	1,844	58.5	55.4 - 61.6
CA - Los Angeles	5,843	51.9	50.1 - 53.8	3,407	53.2	50.6 - 55.6	2,436	50.5	47.6 - 53.2
Colorado	4,339	59.5	57.3 - 61.5	2,618	59.8	57.0 - 62.6	1,721	58.6	55.3 - 61.8
Connecticut	3,721	58.6	56.4 - 60.8	2,127	58.7	55.7 - 61.6	1,594	58.6	55.2 - 61.8
Delaware	813	56.2	51.0 - 61.0	508	55.0	48.5 - 61.0	305	58.1	49.8 - 65.4
District of Columbia	141	51.6	41.1 - 61.2	86	53.4	39.6 - 65.4	55	50.1	34.5 - 63.9*
Florida	25,536	61.7	60.8 - 62.6	14,928	59.9	58.7 - 61.1	10,608	64.2	62.8 - 65.5
Georgia	6,796	56.7	54.9 - 58.4	3,993	55.8	53.4 - 58.1	2,803	57.7	55.1 - 60.2
Hawaii	414	53.1	46.0 - 59.8	266	53.5	45.2 - 61.0	148	49.9	38.1 - 60.6
Idaho	1,693	62.3	58.7 - 65.6	993	61.5	56.6 - 65.9	700	62.8	57.5 - 67.8
Illinois	10,033	53.2	51.8 - 54.5	5,832	54.6	52.8 - 56.4	4,201	51.1	49.1 - 53.1
Iowa	3,865	58.1	55.8 - 60.3	2,304	59.0	55.9 - 61.9	1,561	56.2	52.8 - 59.5
Kentucky	4,830	52.9	50.7 - 55.0	2,805	52.1	49.1 - 54.9	2,025	53.4	50.2 - 56.4
Louisiana	3,476	56.2	53.5 - 58.7	2,027	53.6	50.1 - 56.9	1,449	59.2	55.3 - 62.8
Maine	1,714	60.2	56.7 - 63.5	1,016	59.7	55.0 - 64.0	698	60.6	55.4 - 65.3
Maryland	3,647	55.0	52.6 - 57.4	2,086	54.9	51.5 - 58.1	1,561	54.8	51.4 - 58.1
Michigan	9,031	56.4	54.9 - 57.9	5,313	55.1	53.1 - 57.1	3,718	58.1	55.9 - 60.3
MI - Detroit	3,708	58.5	56.2 - 60.7	2,184	57.8	54.8 - 60.7	1,524	58.9	55.3 - 62.3
Minnesota	6,100	61.5	59.7 - 63.2	3,801	60.7	58.4 - 63.0	2,299	62.0	59.4 - 64.6
Mississippi	1,872	50.5	46.9 - 54.0	1,110	48.2	43.6 - 52.6	762	52.6	46.7 - 58.2
Missouri	5,618	53.2	51.3 - 55.1	3,267	53.8	51.2 - 56.3	2,351	52.2	49.4 - 55.0
Montana	1,226	63.8	59.7 - 67.6	788	64.8	59.3 - 69.8	438	60.9	54.5 - 66.6
Nebraska	1,788	54.1	50.7 - 57.4	1,075	55.3	50.8 - 59.6	713	52.3	47.2 - 57.1
Nevada	1,979	57.1	54.1 - 60.0	1,219	55.6	51.7 - 59.3	760	58.4	53.7 - 62.9
New Hampshire	1,431	59.0	55.1 - 62.6	880	57.7	52.7 - 62.3	551	60.3	54.3 - 65.8
New Jersey	8,497	59.1	57.6 - 60.6	4,931	59.1	57.0 - 61.1	3,566	58.9	56.6 - 61.1
New Mexico	1,723	57.4	53.9 - 60.7	988	55.7	51.0 - 60.1	735	58.9	54.3 - 63.2
New York	20,285	60.9	59.9 - 61.8	11,776	61.1	59.8 - 62.4	8,509	60.4	58.9 - 61.9
North Carolina	8,219	59.0	57.4 - 60.6	4,816	58.2	56.0 - 60.4	3,403	60.2	57.8 - 62.6
North Dakota	824	59.9	54.9 - 64.4	502	60.1	54.0 - 65.6	322	59.1	51.3 - 66.1
Ohio	8,813	50.0	48.4 - 51.5	5,173	49.9	47.8 - 52.0	3,640	49.9	47.6 - 52.1
Oklahoma	3,174	53.1	50.4 - 55.8	1,842	52.8	49.1 - 56.4	1,332	53.0	49.0 - 56.9
Oregon	3,461	56.0	53.6 - 58.4	2,073	55.2	52.0 - 58.3	1,388	56.9	53.0 - 60.6
Pennsylvania	13,820	55.8	54.6 - 57.0	8,113	56.3	54.6 - 57.9	5,707	55.0	53.2 - 56.8
Rhode Island	1,086	61.4	57.1 - 65.4	624	59.6	53.7 - 65.1	462	63.2	57.1 - 68.6
South Carolina	3,726	50.8	48.4 - 53.2	2,243	51.1	48.0 - 54.1	1,483	50.3	46.5 - 53.9
Tennessee	5,551	55.8	53.8 - 57.8	3,314	54.2	51.5 - 56.7	2,237	57.9	54.8 - 60.9
Texas	19,120	57.3	56.2 - 58.4	11,232	56.6	55.2 - 58.0	7,888	58.2	56.5 - 59.8
Utah	2,142	59.6	56.5 - 62.5	1,306	60.9	57.1 - 64.4	836	56.2	51.3 - 60.8
Vermont	616	58.1	52.4 - 63.4	371	56.3	48.7 - 63.2	245	59.6	50.7 - 67.3
Virginia	4,773	50.0	48.0 - 51.9	2,752	49.2	46.6 - 51.9	2,021	50.6	47.7 - 53.5
Washington	6,482	61.1	59.4 - 62.9	3,877	60.8	58.4 - 63.1	2,605	61.3	58.6 - 63.9
WA - Seattle	4,763	64.9	62.8 - 66.8	2,863	65.2	62.4 - 67.8	1,900	63.7	60.6 - 66.6
West Virginia	2,221	54.8	51.8 - 57.8	1,298	55.0	50.9 - 58.8	923	53.7	49.1 - 58.0
Wisconsin	6,955	61.9	60.2 - 63.5	4,196	61.4	59.2 - 63.6	2,759	62.3	59.7 - 64.8
Wyoming	537	56.0	49.4 - 62.1	331	50.6	41.9 - 58.6	206	62.0	52.0 - 70.5

- 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 2010-2016
Complete Method, Follow-Up Through 2016 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	19,366	14.7	13.9 - 15.6	14,671	12.6	11.6 - 13.7	4,695	19.3	17.7 - 21.0
Alabama	253	12.7	7.9 - 18.5	201	7.9	3.4 - 15.0 *	52	17.2	6.4 - 32.5 *
Alaska	42	15.1	4.1 - 32.7 *	34	10.4	1.8 - 27.8 *	-	-	-
Arizona	476	17.4	12.2 - 23.4	372	8.9	5.4 - 13.5 *	104	15.1	5.9 - 28.2
Arkansas	143	13.8	7.8 - 21.5	109	11.2	5.8 - 18.6	34	17.0	5.3 - 34.3 *
California	2,051	11.3	8.9 - 14.1	1,529	7.4	5.1 - 10.3	522	17.3	12.8 - 22.5
CA - Greater California	1,253	11.9	9.1 - 15.0	948	10.3	6.8 - 14.6	305	14.4	9.2 - 20.6
CA - Greater Bay Area	389	10.0	6.1 - 15.1 *	285	6.8	3.1 - 12.4 *	104	19.3	9.9 - 31.0 *
CA - Los Angeles	409	5.8	2.9 - 10.1 *	296	2.9	0.7 - 8.0 *	113	12.0	5.3 - 21.7 *
Colorado	271	10.3	5.1 - 17.6 *	202	10.8	5.1 - 18.8 *	69	-	-
Connecticut	283	10.2	6.0 - 15.7 *	224	7.3	3.5 - 12.9 *	59	18.3	8.3 - 31.4 *
Delaware	89	19.5	10.3 - 30.9 *	73	14.5	6.0 - 26.6 *	16	-	-
District of Columbia	13	-	-	12	-	-	-	-	-
Florida	1,508	18.1	15.0 - 21.4	1,137	15.0	11.4 - 19.0	371	23.9	18.2 - 30.1
Georgia	341	12.8	8.0 - 18.7	266	12.7	7.4 - 19.3	75	10.5	3.0 - 23.4 *
Hawaii	21	0.0	-	16	0.0	-	-	-	-
Idaho	140	11.6	5.0 - 21.2 *	112	11.7	4.5 - 22.7 *	28	8.1	0.6 - 29.4 *
Illinois	925	12.4	9.3 - 15.9 *	681	10.4	7.1 - 14.4 *	244	18.2	12.3 - 25.1 *
Iowa	235	7.8	3.0 - 15.4 *	183	5.5	1.7 - 12.6 *	52	11.1	1.2 - 33.5 *
Kentucky	246	16.8	11.1 - 23.6	186	7.1	3.0 - 13.7 *	60	27.1	14.6 - 41.2 *
Louisiana	371	7.0	3.8 - 11.6 *	269	7.3	3.7 - 12.6 *	102	-	-
Maine	174	8.3	2.8 - 17.8 *	130	6.9	0.8 - 22.3 *	44	-	-
Maryland	289	17.0	10.6 - 24.6	212	15.3	7.5 - 25.6	77	23.1	12.5 - 35.7 *
Michigan	766	8.0	5.1 - 11.8 *	583	4.7	2.3 - 8.3 *	183	21.5	13.9 - 30.2 *
MI - Detroit	244	3.4	0.7 - 10.3 *	188	3.6	0.7 - 10.8 *	56	0.0	-
Minnesota	492	16.4	11.5 - 22.1	358	14.4	8.7 - 21.4	134	21.9	13.3 - 31.9 *
Mississippi	148	5.8	0.7 - 19.8 *	103	0.0	-	45	8.0	0.7 - 27.9 *
Missouri	383	12.8	8.6 - 17.9	290	12.8	8.3 - 18.1	93	13.9	5.9 - 25.2 *
Montana	101	12.5	6.1 - 21.1 *	77	-	-	24	20.8	7.1 - 39.4 *
Nebraska	114	10.0	3.8 - 19.8 *	87	9.2	2.8 - 20.4 *	27	-	-
Nevada	133	11.8	5.5 - 20.6 *	96	11.8	4.7 - 22.6 *	37	11.4	2.3 - 28.5 *
New Hampshire	121	14.1	7.5 - 22.9 *	92	6.9	2.0 - 16.2 *	29	31.4	13.9 - 50.7 *
New Jersey	781	16.3	11.8 - 21.5	576	12.4	7.7 - 18.2	205	22.2	14.5 - 30.8 *
New Mexico	111	13.0	6.6 - 21.6 *	88	14.6	7.2 - 24.5 *	23	-	-
New York	1,275	14.7	10.9 - 19.0	964	8.8	6.3 - 11.9 *	311	17.1	10.5 - 25.1
North Carolina	493	17.7	13.1 - 22.9	387	12.1	7.8 - 17.3 *	106	22.7	14.0 - 32.8
North Dakota	50	-	-	40	-	-	10	-	-
Ohio	869	7.6	4.9 - 11.0 *	671	5.7	3.1 - 9.4 *	198	13.8	7.4 - 22.0 *
Oklahoma	158	16.2	8.6 - 26.1 *	124	13.1	6.0 - 23.1 *	34	25.2	9.0 - 45.6 *
Oregon	326	7.9	3.8 - 13.9 *	236	11.5	6.3 - 18.4 *	90	0.0	-
Pennsylvania	1,256	14.4	11.3 - 17.9	940	13.1	9.5 - 17.2	316	16.5	10.9 - 23.1
Rhode Island	89	13.7	3.9 - 29.6 *	75	7.7	0.9 - 24.9 *	14	-	-
South Carolina	297	11.7	6.1 - 19.2 *	220	12.2	6.4 - 20.0 *	77	8.7	0.8 - 29.2 *
Tennessee	343	11.0	6.8 - 16.3	264	7.1	3.3 - 12.9	79	15.5	6.6 - 27.8 *
Texas	1,189	17.0	14.2 - 20.1	901	14.8	11.1 - 19.1	288	21.9	16.3 - 28.2
Utah	111	10.4	4.3 - 19.7 *	84	3.4	1.0 - 8.0	27	-	-
Vermont	50	-	-	44	-	-	-	-	-
Virginia	492	6.7	3.9 - 10.5 *	386	6.7	3.8 - 10.8 *	106	-	-
Washington	602	10.2	7.1 - 13.8 *	469	11.9	7.6 - 17.1	133	16.2	9.2 - 24.9 *
WA - Seattle	413	11.5	7.6 - 16.3 *	325	12.3	7.2 - 18.7	88	19.8	9.9 - 32.2 *
West Virginia	185	4.3	1.3 - 10.4 *	155	3.3	0.7 - 9.4 *	30	10.8	0.8 - 35.8 *
Wisconsin	507	19.5	14.3 - 25.2	377	7.6	3.6 - 13.4 *	130	17.1	9.4 - 26.6 *
Wyoming	53	15.0	4.7 - 30.6 *	36	18.5	5.3 - 38.0 *	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

White

III-54 Survival – Mesothelioma

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	1,111,547	58.2	58.1 - 58.4	561,676	59.2	59.0 - 59.5	549,871	56.7	56.5 - 56.9
Alabama	36,949	57.4	56.6 - 58.3	19,264	57.5	56.3 - 58.8	17,685	56.6	55.5 - 57.7
Alaska	500	62.3	54.3 - 69.2	285	61.0	50.9 - 69.6	215	63.5	52.1 - 73.0
Arizona	5,685	56.6	54.6 - 58.6	2,925	55.0	52.1 - 57.8	2,760	57.2	54.2 - 60.1
Arkansas	12,642	55.0	53.5 - 56.5	6,748	55.7	53.6 - 57.8	5,894	53.7	51.6 - 55.8
California	70,201	58.3	57.7 - 58.9	35,842	59.8	59.0 - 60.6	34,359	56.4	55.6 - 57.2
CA - Greater California	27,423	58.7	57.7 - 59.6	14,590	59.9	58.5 - 61.2	12,833	56.8	55.4 - 58.2
CA - Greater Bay Area	14,959	58.0	56.8 - 59.3	7,758	59.6	57.8 - 61.4	7,201	56.1	54.3 - 57.9
CA - Los Angeles	27,916	57.8	56.9 - 58.7	13,550	59.4	58.0 - 60.7	14,366	55.8	54.6 - 57.0
Colorado	4,945	63.0	60.5 - 65.3	2,736	65.4	62.0 - 68.6	2,209	59.4	55.8 - 62.8
Connecticut	10,296	61.1	59.6 - 62.6	5,058	61.6	59.4 - 63.8	5,238	60.1	58.1 - 62.1
Delaware	6,182	61.4	59.3 - 63.4	3,160	62.3	59.2 - 65.3	3,022	58.8	56.0 - 61.5
District of Columbia	12,118	54.6	53.2 - 55.9	5,769	54.5	52.5 - 56.5	6,349	54.5	52.7 - 56.2
Florida	78,435	61.3	60.7 - 61.8	40,342	63.0	62.2 - 63.8	38,093	58.5	57.7 - 59.3
Georgia	80,590	58.1	57.5 - 58.7	40,737	59.2	58.4 - 60.1	39,853	56.3	55.5 - 57.1
Hawaii	554	57.7	48.1 - 66.1	372	62.2	47.6 - 73.7	182	60.4	49.3 - 69.7*
Idaho	162	61.8	47.0 - 73.5	104	70.0	52.2 - 82.3*	58	57.0	38.6 - 71.7
Illinois	57,641	58.8	58.2 - 59.5	27,977	59.1	58.1 - 60.1	29,664	58.0	57.2 - 58.9
Iowa	1,968	53.0	48.9 - 56.9	1,052	54.1	48.3 - 59.6	916	50.5	44.9 - 55.8
Kentucky	10,253	55.2	53.7 - 56.8	5,162	55.9	53.7 - 58.1	5,091	54.1	52.0 - 56.2
Louisiana	44,621	55.9	55.1 - 56.7	23,583	55.9	54.8 - 57.1	21,038	55.4	54.3 - 56.5
Maine	260	61.0	48.6 - 71.3	153	69.2	55.3 - 79.6	107	43.2	33.5 - 52.6
Maryland	50,659	62.1	61.3 - 62.8	24,517	63.9	62.8 - 64.9	26,142	59.7	58.7 - 60.7
Michigan	43,451	57.4	56.7 - 58.2	21,997	58.1	57.0 - 59.2	21,454	56.1	55.0 - 57.2
MI - Detroit	33,162	57.4	56.6 - 58.3	16,576	59.3	58.1 - 60.6	16,586	54.8	53.6 - 56.0
Minnesota	5,416	58.5	56.0 - 61.0	2,934	59.2	55.3 - 62.8	2,482	57.0	53.3 - 60.5
Mississippi	32,230	54.3	53.4 - 55.2	17,035	54.9	53.5 - 56.2	15,195	52.9	51.7 - 54.2
Missouri	20,537	55.4	54.3 - 56.5	9,919	55.8	54.1 - 57.4	10,618	54.7	53.2 - 56.1
Montana	80	56.3	38.3 - 70.9	57	59.8	39.4 - 75.3*	23	-	-
Nebraska	2,164	59.1	55.8 - 62.2	1,173	60.1	55.5 - 64.4	991	55.9	50.6 - 60.9
Nevada	5,297	51.7	49.6 - 53.8	2,638	49.7	46.8 - 52.6	2,659	53.1	50.0 - 56.1
New Hampshire	289	59.6	50.6 - 67.4	185	63.3	52.0 - 72.6	104	52.2	36.8 - 65.5
New Jersey	37,342	59.4	58.6 - 60.1	18,125	62.5	61.3 - 63.7	19,217	55.8	54.7 - 56.9
New Mexico	962	56.6	51.9 - 61.0	546	53.5	46.1 - 60.2	416	58.9	52.1 - 65.1
New York	103,314	58.3	57.8 - 58.7	51,275	60.5	59.8 - 61.2	52,039	55.4	54.8 - 56.1
North Carolina	65,358	59.4	58.8 - 60.0	33,129	59.9	59.0 - 60.9	32,229	58.6	57.7 - 59.4
North Dakota	98	85.3	72.3 - 92.6*	61	91.4	73.3 - 97.4*	37	74.8	49.7 - 88.7*
Ohio	40,997	58.8	58.0 - 59.5	20,432	60.0	58.9 - 61.1	20,565	56.9	55.9 - 58.0
Oklahoma	7,740	58.2	56.4 - 60.0	4,069	59.7	57.2 - 62.2	3,671	55.0	52.4 - 57.6
Oregon	1,927	58.4	54.9 - 61.8	1,103	57.9	53.0 - 62.4	824	58.2	53.1 - 62.9
Pennsylvania	44,253	58.3	57.5 - 59.0	21,320	59.0	57.9 - 60.1	22,933	57.4	56.4 - 58.4
Rhode Island	1,481	60.3	56.3 - 64.1	728	57.5	51.8 - 62.8	753	62.2	56.6 - 67.3
South Carolina	39,663	57.5	56.7 - 58.3	20,595	57.5	56.3 - 58.7	19,068	56.8	55.7 - 57.9
Tennessee	29,553	56.2	55.3 - 57.2	14,727	57.2	55.8 - 58.7	14,826	54.8	53.5 - 56.1
Texas	79,470	55.8	55.2 - 56.4	39,831	55.7	54.9 - 56.6	39,639	55.5	54.7 - 56.3
Utah	509	57.3	49.8 - 64.0	320	59.6	50.2 - 67.8	189	48.4	35.2 - 60.4
Vermont	93	56.3	36.3 - 72.3	59	71.5	49.4 - 85.3*	34	-	-
Virginia	46,311	58.6	57.8 - 59.3	23,680	58.8	57.7 - 59.8	22,631	57.4	56.4 - 58.4
Washington	6,388	62.7	60.6 - 64.7	3,626	62.4	59.6 - 65.1	2,762	62.5	59.3 - 65.4
WA - Seattle	5,991	62.8	60.6 - 64.9	3,382	63.3	60.3 - 66.1	2,609	61.9	58.6 - 65.0
West Virginia	2,047	54.5	50.8 - 58.0	1,167	53.1	48.1 - 57.9	880	54.8	49.3 - 59.9
Wisconsin	9,834	61.5	59.8 - 63.2	5,115	62.1	59.9 - 64.3	4,719	59.8	57.2 - 62.2
Wyoming	82	57.1	37.7 - 72.5*	44	-	-	38	-	-

- 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 2010-2016
Complete Method, Follow-Up Through 2016 by Registry, Black, All Sites (Site-Standardized¹ - 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	1,159,099	58.2	58.0 - 58.4	589,303	57.9	57.6 - 58.2	569,796	58.5	58.3 - 58.7
Alabama	38,153	56.5	55.8 - 57.3	19,995	-	-	18,158	57.1	56.1 - 58.2
Alaska	514	-	-	293	-	-	221	-	-
Arizona	5,849	-	-	3,017	-	-	2,832	-	-
Arkansas	13,227	-	-	7,108	-	-	6,119	-	-
California	73,237	57.6	56.9 - 58.3	37,619	57.5	56.4 - 58.7	35,618	57.7	56.9 - 58.5
CA - Greater California	28,565	52.4	51.5 - 53.3	15,286	-	-	13,279	54.2	52.9 - 55.5
CA - Greater Bay Area	15,580	-	-	8,142	-	-	7,438	-	-
CA - Los Angeles	29,116	56.8	55.9 - 57.6	14,201	-	-	14,915	56.5	55.4 - 57.7
Colorado	5,122	-	-	2,852	-	-	2,270	-	-
Connecticut	10,757	-	-	5,330	-	-	5,427	-	-
Delaware	6,432	-	-	3,315	-	-	3,117	-	-
District of Columbia	12,582	-	-	6,011	-	-	6,571	-	-
Florida	82,837	58.8	58.1 - 59.5	42,797	58.5	57.5 - 59.6	40,040	59.1	58.3 - 60.0
Georgia	83,972	56.7	56.1 - 57.3	42,760	-	-	41,212	57.1	56.2 - 58.0
Hawaii	574	-	-	386	-	-	188	-	-
Idaho	167	-	-	106	-	-	61	-	-
Illinois	60,312	59.3	58.6 - 60.0	29,475	58.5	57.6 - 59.4	30,837	60.2	59.1 - 61.2
Iowa	2,068	-	-	1,119	-	-	949	-	-
Kentucky	10,760	-	-	5,442	-	-	5,318	-	-
Louisiana	46,653	-	-	24,805	-	-	21,848	56.3	55.3 - 57.4
Maine	270	-	-	158	-	-	112	-	-
Maryland	52,654	59.8	59.0 - 60.6	25,611	59.8	58.6 - 61.0	27,043	59.8	58.8 - 60.9
Michigan	45,519	57.4	56.7 - 58.2	23,219	56.7	55.7 - 57.8	22,300	58.2	57.1 - 59.2
MI - Detroit	34,841	57.4	56.6 - 58.2	17,571	-	-	17,270	57.3	56.1 - 58.4
Minnesota	5,625	-	-	3,065	-	-	2,560	-	-
Mississippi	33,588	54.5	53.6 - 55.4	17,892	-	-	15,696	54.1	52.8 - 55.3
Missouri	21,431	-	-	10,407	-	-	11,024	-	-
Montana	82	-	-	59	-	-	23	-	-
Nebraska	2,267	-	-	1,242	-	-	1,025	-	-
Nevada	5,479	-	-	2,748	-	-	2,731	-	-
New Hampshire	299	-	-	193	-	-	106	-	-
New Jersey	38,984	57.2	56.4 - 57.9	19,013	-	-	19,971	57.1	56.0 - 58.1
New Mexico	1,001	-	-	573	-	-	428	-	-
New York	107,629	56.7	56.1 - 57.3	53,722	56.0	55.1 - 57.0	53,907	57.4	56.7 - 58.1
North Carolina	68,184	58.8	58.1 - 59.6	34,810	58.1	57.0 - 59.3	33,374	59.6	58.6 - 60.6
North Dakota	101	-	-	63	-	-	38	-	-
Ohio	42,699	59.1	58.2 - 60.0	21,412	59.6	58.3 - 60.9	21,287	58.6	57.4 - 59.8
Oklahoma	8,052	-	-	4,252	-	-	3,800	-	-
Oregon	2,021	-	-	1,169	-	-	852	-	-
Pennsylvania	46,367	59.3	58.6 - 60.1	22,494	58.9	57.9 - 59.9	23,873	59.9	58.8 - 61.0
Rhode Island	1,537	-	-	766	-	-	771	-	-
South Carolina	41,200	57.0	56.2 - 57.9	21,515	56.5	55.4 - 57.7	19,685	57.5	56.3 - 58.8
Tennessee	30,580	-	-	15,316	-	-	15,264	-	-
Texas	82,463	57.1	56.4 - 57.8	41,564	56.6	55.6 - 57.7	40,899	57.6	56.7 - 58.4
Utah	522	-	-	327	-	-	195	-	-
Vermont	99	-	-	62	-	-	37	-	-
Virginia	48,060	57.5	56.7 - 58.3	24,761	-	-	23,299	58.3	57.3 - 59.2
Washington	6,652	-	-	3,793	-	-	2,859	-	-
WA - Seattle	6,245	-	-	3,540	-	-	2,705	-	-
West Virginia	2,143	-	-	1,234	-	-	909	-	-
Wisconsin	10,292	-	-	5,388	-	-	4,904	-	-
Wyoming	83	-	-	45	-	-	38	-	-

- 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 (Site-Standardized)" estimate was suppressed.

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

Black

III-56 Survival – All Sites (Site-Standardized - invasive)

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	24,204	44.5	43.3 - 45.6	16,758	41.3	39.9 - 42.8	7,446	51.1	49.2 - 53.0
Alabama	847	45.0	39.5 - 50.3	587	38.4	32.0 - 44.7	260	54.7	42.8 - 65.1
Alaska	-	-	-	-	-	-	-	-	-
Arizona	81	58.4	40.3 - 72.7	60	48.9	36.7 - 60.0	21	-	-
Arkansas	311	27.9	21.7 - 34.4	215	24.4	17.5 - 31.9	96	56.7	39.9 - 70.5*
California	1,459	50.0	45.4 - 54.4	1,021	49.2	43.2 - 55.0	438	50.7	43.5 - 57.5
CA - Greater California	566	55.0	47.3 - 62.1	399	56.0	45.4 - 65.3	167	51.8	40.0 - 62.3
CA - Greater Bay Area	305	55.5	46.1 - 64.0	222	51.0	40.0 - 60.9	83	66.3	46.6 - 80.1
CA - Los Angeles	590	40.9	34.1 - 47.5	401	38.6	29.5 - 47.7	189	43.4	33.2 - 53.1
Colorado	108	56.2	39.5 - 69.9	82	57.8	40.7 - 71.6	26	-	-
Connecticut	211	42.1	32.6 - 51.2	141	44.0	30.1 - 57.1	70	41.8	30.3 - 52.9
Delaware	105	46.1	34.6 - 56.8*	73	41.8	28.3 - 54.8*	32	-	-
District of Columbia	285	35.9	27.0 - 44.9	200	29.2	19.7 - 39.3	85	52.6	37.2 - 65.9
Florida	1,688	42.8	38.7 - 46.8	1,166	39.0	34.2 - 43.8	522	49.8	42.5 - 56.7
Georgia	1,763	41.6	37.0 - 46.1	1,161	39.2	33.8 - 44.5	602	44.8	38.0 - 51.4
Hawaii	12	-	-	10	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,466	44.0	39.5 - 48.4	1,012	41.1	35.3 - 46.7	454	49.9	42.1 - 57.2
Iowa	41	-	-	28	-	-	13	-	-
Kentucky	236	40.7	30.5 - 50.6	179	39.8	28.0 - 51.3	57	-	-
Louisiana	1,024	36.1	31.4 - 40.9	747	32.7	26.9 - 38.6	277	43.5	35.2 - 51.4
Maine	-	-	-	-	-	-	-	-	-
Maryland	958	42.6	37.2 - 47.9	651	41.6	35.2 - 47.9	307	40.9	34.7 - 47.1
Michigan	1,027	43.5	38.3 - 48.6	705	40.0	33.6 - 46.3	322	48.1	39.7 - 55.9
MI - Detroit	783	39.1	33.9 - 44.3	536	35.8	29.2 - 42.4	247	43.8	35.3 - 52.1
Minnesota	129	33.8	24.1 - 43.8	89	22.9	17.4 - 28.8	40	82.3	59.4 - 93.0*
Mississippi	785	33.0	26.6 - 39.5	569	25.5	18.6 - 32.8	216	48.9	37.1 - 59.6
Missouri	456	46.6	38.5 - 54.2	320	45.4	35.4 - 54.8	136	47.4	35.4 - 58.5
Montana	-	-	-	-	-	-	-	-	-
Nebraska	52	57.8	39.8 - 72.2*	44	58.5	38.6 - 73.9*	-	-	-
Nevada	131	51.7	33.0 - 67.5	87	-	-	44	58.8	37.6 - 75.0*
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	722	47.0	41.1 - 52.7	480	47.1	39.7 - 54.2	242	45.8	36.6 - 54.5
New Mexico	17	-	-	13	-	-	-	-	-
New York	1,950	43.5	39.7 - 47.3	1,275	39.6	34.9 - 44.2	675	49.7	43.1 - 56.0
North Carolina	1,593	43.6	39.3 - 47.8	1,138	38.3	33.2 - 43.3	455	54.3	46.6 - 61.3
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	859	50.3	43.9 - 56.4	591	49.6	41.9 - 56.9	268	51.2	41.3 - 60.4
Oklahoma	154	47.8	36.4 - 58.4*	115	47.8	34.5 - 59.9*	39	-	-
Oregon	34	-	-	24	-	-	10	-	-
Pennsylvania	1,003	49.4	44.3 - 54.2	671	45.4	39.1 - 51.5	332	55.7	47.6 - 63.1
Rhode Island	44	-	-	26	-	-	18	-	-
South Carolina	977	41.5	35.8 - 47.2	714	34.4	28.4 - 40.5	263	53.4	43.7 - 62.2
Tennessee	590	39.2	31.5 - 46.8	411	32.3	24.0 - 40.8	179	51.8	38.5 - 63.6
Texas	1,635	47.3	42.3 - 52.1	1,093	42.4	36.7 - 48.0	542	57.4	48.5 - 65.3
Utah	13	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	1,012	43.1	37.2 - 48.9	734	42.1	35.0 - 49.0	278	42.4	31.3 - 53.0
Washington	124	52.3	42.8 - 61.0	99	71.6	56.1 - 82.4*	25	-	-
WA - Seattle	116	52.1	42.1 - 61.2	91	72.7	57.8 - 83.1*	25	-	-
West Virginia	44	50.2	30.0 - 67.4*	34	-	-	10	-	-
Wisconsin	226	52.3	41.7 - 61.9	160	48.7	36.5 - 59.8	66	73.5	56.2 - 84.8*
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 2010-2016
Complete Method, Follow-Up Through 2016 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	10,546	13.2	12.2 - 14.2	7,324	11.2	10.1 - 12.4	3,222	17.3	15.5 - 19.3
Alabama	445	12.5	8.7 - 17.0 *	327	11.1	7.1 - 16.1 *	118	17.3	8.9 - 28.0 *
Alaska	-	-	-	-	-	-	-	-	-
Arizona	48	-	-	34	-	-	14	0.0	-
Arkansas	129	9.7	4.6 - 16.9 *	97	9.0	3.7 - 17.1 *	32	13.8	4.0 - 29.8 *
California	526	15.0	10.7 - 20.0	340	8.6	5.3 - 12.9	186	23.3	16.3 - 31.1
CA - Greater California	185	17.0	10.1 - 25.5 *	121	13.4	6.2 - 23.4 *	64	24.6	11.6 - 40.2 *
CA - Greater Bay Area	134	16.3	8.8 - 25.7 *	87	10.8	3.6 - 22.6 *	47	25.2	11.1 - 42.2 *
CA - Los Angeles	207	11.5	6.2 - 18.6 *	132	7.9	2.5 - 17.4 *	75	18.5	11.7 - 26.5
Colorado	37	-	-	24	-	-	13	-	-
Connecticut	103	7.3	2.2 - 16.4	71	7.0	3.8 - 11.4	32	14.6	3.0 - 34.8 *
Delaware	36	5.9	0.6 - 21.1 *	27	7.9	0.7 - 27.1 *	-	-	-
District of Columbia	129	8.6	3.1 - 17.7 *	80	0.0	-	49	16.2	6.7 - 29.5 *
Florida	664	15.5	11.6 - 20.0	463	10.4	6.8 - 14.8	201	26.7	17.7 - 36.6
Georgia	847	12.6	9.5 - 16.1	625	13.1	9.9 - 16.8 *	222	11.1	6.5 - 17.0
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	606	12.5	8.7 - 17.0	400	11.1	6.9 - 16.4 *	206	13.9	8.2 - 21.0
Iowa	13	-	-	10	-	-	-	-	-
Kentucky	96	-	-	65	0.0	-	31	-	-
Louisiana	476	13.6	9.8 - 18.1 *	345	9.3	5.5 - 14.4 *	131	23.4	15.5 - 32.3
Maine	-	-	-	-	-	-	-	-	-
Maryland	394	16.3	11.7 - 21.5	269	16.4	11.2 - 22.5 *	125	20.4	12.0 - 30.3
Michigan	441	11.7	7.6 - 16.8	307	10.9	6.1 - 17.3	134	16.5	8.5 - 26.8 *
MI - Detroit	327	8.4	4.9 - 13.1	227	7.5	3.5 - 13.7 *	100	11.6	5.4 - 20.4
Minnesota	57	31.0	16.6 - 46.5 *	26	-	-	31	19.2	5.6 - 39.0 *
Mississippi	417	8.2	4.9 - 12.7	335	8.8	4.2 - 15.3	82	11.7	4.9 - 21.8 *
Missouri	200	13.7	7.7 - 21.4 *	132	16.5	9.5 - 25.2 *	68	9.4	2.8 - 20.8 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	21	-	-	14	-	-	-	-	-
Nevada	48	6.1	0.5 - 22.8 *	36	7.3	0.6 - 26.4 *	12	0.0	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	328	11.3	7.1 - 16.4 *	207	10.8	6.1 - 17.0 *	121	11.8	5.0 - 21.6 *
New Mexico	-	-	-	-	-	-	-	-	-
New York	920	11.1	8.5 - 14.2	609	8.7	6.0 - 12.1	311	16.6	11.3 - 22.7
North Carolina	632	13.4	10.1 - 17.3	447	14.3	10.4 - 18.9 *	185	14.1	8.5 - 21.0
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	330	14.0	9.6 - 19.2	222	13.1	8.1 - 19.4 *	108	19.0	9.9 - 30.3 *
Oklahoma	60	16.3	5.8 - 31.7 *	40	16.6	5.4 - 33.1 *	20	-	-
Oregon	16	-	-	-	-	-	-	-	-
Pennsylvania	463	18.7	14.0 - 23.9	289	17.4	12.3 - 23.2	174	18.1	11.5 - 25.9
Rhode Island	14	-	-	10	-	-	-	-	-
South Carolina	519	8.4	5.6 - 11.9	393	7.5	4.8 - 11.0	126	10.9	5.8 - 17.9
Tennessee	292	13.1	8.6 - 18.7 *	214	12.0	7.1 - 18.2 *	78	16.7	6.9 - 30.1 *
Texas	598	11.8	8.1 - 16.3 *	422	8.8	4.9 - 14.3 *	176	18.1	11.0 - 26.6 *
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	430	16.5	12.1 - 21.6 *	300	17.7	12.3 - 23.9 *	130	13.6	6.9 - 22.6 *
Washington	49	25.8	12.3 - 41.6 *	32	25.1	10.6 - 42.6 *	17	-	-
WA - Seattle	43	27.2	12.1 - 44.7 *	29	27.2	10.9 - 46.6 *	14	-	-
West Virginia	14	-	-	-	-	-	-	-	-
Wisconsin	121	16.4	7.9 - 27.5 *	75	11.4	3.2 - 25.5 *	46	25.5	9.7 - 45.0 *
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 2010-2016
Complete Method, Follow-Up Through 2016 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	24,435	33.5	32.6 - 34.3	13,905	28.6	27.4 - 29.7	10,530	40.2	38.8 - 41.5
Alabama	845	31.9	27.5 - 36.3	473	24.3	18.9 - 30.1	372	40.5	33.8 - 47.1
Alaska	11	-	-	-	-	-	-	-	-
Arizona	117	33.3	21.3 - 45.7*	70	24.8	11.2 - 41.1*	47	45.3	27.4 - 61.7*
Arkansas	267	25.7	18.3 - 33.8	171	14.1	8.3 - 21.5	96	35.2	23.2 - 47.4
California	1,471	31.3	28.0 - 34.7	843	25.6	21.3 - 30.1	628	38.3	33.4 - 43.2
CA - Greater California	515	28.7	22.8 - 34.9	313	23.9	17.0 - 31.4	202	37.6	28.5 - 46.7
CA - Greater Bay Area	324	35.3	28.6 - 42.1	176	24.7	15.1 - 35.7*	148	44.5	34.4 - 54.1*
CA - Los Angeles	632	29.6	24.8 - 34.5	354	25.1	18.7 - 31.9	278	34.3	27.2 - 41.6
Colorado	105	48.4	36.5 - 59.3*	73	40.3	27.0 - 53.3*	32	-	-
Connecticut	301	30.1	22.0 - 38.6*	155	14.0	9.0 - 20.0	146	37.8	26.6 - 48.9*
Delaware	121	30.7	20.5 - 41.5	75	24.2	13.1 - 37.2*	46	-	-
District of Columbia	270	32.4	24.8 - 40.2	145	24.4	14.9 - 35.2*	125	40.5	29.7 - 51.0
Florida	1,910	36.0	33.0 - 39.1	1,122	30.7	26.8 - 34.6	788	43.1	38.4 - 47.7
Georgia	1,656	33.1	29.9 - 36.4	954	26.5	22.5 - 30.7	702	43.6	38.8 - 48.3
Hawaii	11	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,323	32.9	29.2 - 36.7	734	26.6	22.0 - 31.4	589	41.0	35.2 - 46.7
Iowa	40	18.1	6.1 - 35.2*	20	-	-	20	-	-
Kentucky	191	43.6	33.8 - 53.0	109	36.7	25.3 - 48.0*	82	53.7	37.9 - 67.2*
Louisiana	1,040	26.6	22.6 - 30.8	618	22.6	17.6 - 27.9	422	29.1	23.0 - 35.6
Maine	-	-	-	-	-	-	-	-	-
Maryland	988	37.1	33.0 - 41.2	513	28.5	23.4 - 33.9	475	46.0	40.0 - 51.7
Michigan	920	33.6	29.3 - 38.1	506	31.0	24.6 - 37.5	414	38.0	31.7 - 44.2
MI - Detroit	687	26.1	21.4 - 31.0	374	23.3	16.6 - 30.6	313	30.7	24.0 - 37.6
Minnesota	118	27.4	15.2 - 41.2	72	37.8	19.8 - 55.7*	46	30.3	14.9 - 47.3*
Mississippi	694	25.3	20.5 - 30.4	405	17.6	12.5 - 23.4	289	35.3	27.9 - 42.8
Missouri	408	34.3	27.9 - 40.8	244	33.0	25.3 - 40.9*	164	36.1	25.9 - 46.3
Montana	-	-	-	-	-	-	-	-	-
Nebraska	43	-	-	28	-	-	15	-	-
Nevada	102	28.8	16.5 - 42.4*	66	28.0	14.9 - 42.6	36	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	829	35.8	31.3 - 40.3	433	28.6	22.7 - 34.8	396	42.4	35.7 - 49.0
New Mexico	18	-	-	10	-	-	-	-	-
New York	2,616	34.2	31.5 - 36.9	1,409	31.5	27.9 - 35.1	1,207	36.7	32.7 - 40.6
North Carolina	1,404	36.1	32.5 - 39.7	768	30.6	25.6 - 35.8	636	43.0	37.9 - 48.0
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	907	33.9	29.6 - 38.3	502	30.9	25.4 - 36.7	405	37.6	30.9 - 44.3
Oklahoma	161	22.3	13.8 - 32.1	103	13.0	5.3 - 24.0*	58	48.3	31.6 - 63.2*
Oregon	41	37.5	21.1 - 53.9*	26	18.5	5.1 - 38.4*	15	-	-
Pennsylvania	846	31.2	26.8 - 35.8	474	23.5	18.3 - 29.1	372	40.4	33.3 - 47.4
Rhode Island	45	56.2	35.3 - 72.7*	24	-	-	21	-	-
South Carolina	1,002	31.5	27.4 - 35.5	597	27.4	22.7 - 32.4	405	36.4	30.2 - 42.5
Tennessee	548	31.3	26.0 - 36.7	311	27.4	20.4 - 34.9	237	37.3	29.3 - 45.4*
Texas	1,718	32.2	28.9 - 35.5	1,008	28.3	23.6 - 33.1	710	36.9	32.0 - 41.9
Utah	14	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	916	32.8	28.6 - 37.1	562	29.0	23.8 - 34.3	354	36.9	29.6 - 44.2
Washington	121	36.2	24.2 - 48.3	84	28.7	17.7 - 40.8	37	-	-
WA - Seattle	116	37.4	23.2 - 51.7*	77	31.4	15.4 - 48.8*	39	-	-
West Virginia	44	45.4	25.7 - 63.3*	28	-	-	16	-	-
Wisconsin	228	34.4	25.7 - 43.2	136	26.5	15.3 - 39.0	92	43.1	30.8 - 54.9
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 2010-2016 Complete Method, Follow-Up Through 2016 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	112,571	56.7	56.2 - 57.1	56,142	54.4	53.7 - 55.1	56,429	59.0	58.3 - 59.6
Alabama	4,141	57.0	54.6 - 59.3	2,043	53.6	49.6 - 57.5	2,098	59.7	56.5 - 62.8
Alaska	41	-	-	24	-	-	17	-	-
Arizona	530	46.4	39.9 - 52.6	261	43.5	34.7 - 52.0	269	48.9	40.0 - 57.2
Arkansas	1,369	53.2	49.1 - 57.2	670	50.4	44.4 - 56.2	699	54.6	49.1 - 59.8
California	7,151	55.4	53.6 - 57.2	3,599	54.6	51.9 - 57.2	3,552	56.8	54.3 - 59.2
CA - Greater California	2,774	55.4	52.5 - 58.3	1,494	55.0	50.7 - 59.1	1,280	56.2	52.1 - 60.2
CA - Greater Bay Area	1,445	57.1	52.8 - 61.1	704	59.2	52.9 - 65.0	741	54.9	49.2 - 60.2
CA - Los Angeles	2,937	54.2	51.4 - 56.9	1,403	51.1	46.8 - 55.2	1,534	57.0	53.3 - 60.6
Colorado	477	63.2	56.6 - 69.1	263	56.2	46.1 - 65.1	214	69.4	60.6 - 76.6
Connecticut	971	61.0	56.1 - 65.5	467	62.7	55.0 - 69.4	504	58.8	52.5 - 64.6
Delaware	528	67.4	60.2 - 73.7	259	66.8	55.7 - 75.8	269	66.8	58.1 - 74.2
District of Columbia	1,246	47.9	43.6 - 52.0	578	41.6	35.7 - 47.5	668	52.9	47.2 - 58.2
Florida	7,741	59.0	57.2 - 60.7	3,994	57.8	55.2 - 60.4	3,747	60.3	57.8 - 62.6
Georgia	8,475	56.0	54.2 - 57.8	4,219	52.6	49.9 - 55.3	4,256	59.1	56.7 - 61.5
Hawaii	44	-	-	33	-	-	11	-	-
Idaho	12	-	-	-	-	-	-	-	-
Illinois	6,473	58.8	56.9 - 60.6	3,154	57.5	54.6 - 60.3	3,319	60.1	57.5 - 62.5
Iowa	204	46.6	34.6 - 57.8	116	38.4	26.2 - 50.6	88	47.2	32.0 - 61.0
Kentucky	1,109	53.4	48.9 - 57.6	564	53.5	47.1 - 59.4	545	52.3	46.2 - 58.1
Louisiana	5,135	57.1	54.8 - 59.3	2,617	53.1	49.7 - 56.4	2,518	60.2	57.0 - 63.2
Maine	22	-	-	14	-	-	-	-	-
Maryland	4,568	58.7	56.3 - 61.0	2,171	58.4	54.9 - 61.6	2,397	58.3	55.1 - 61.5
Michigan	4,302	54.8	52.3 - 57.1	2,122	50.8	47.3 - 54.2	2,180	58.2	54.8 - 61.4
MI - Detroit	3,356	54.2	51.4 - 56.9	1,637	50.1	46.1 - 54.0	1,719	57.6	53.9 - 61.2
Minnesota	494	60.9	51.5 - 69.0	258	66.8	50.9 - 78.6	236	56.3	45.5 - 65.7
Mississippi	3,997	54.3	51.7 - 56.8	2,044	52.7	48.8 - 56.5	1,953	55.7	52.2 - 59.0
Missouri	2,073	55.0	51.3 - 58.5	990	52.6	46.5 - 58.3	1,083	56.0	51.4 - 60.4
Montana	-	-	-	-	-	-	-	-	-
Nebraska	226	53.1	43.5 - 61.8	131	51.2	37.5 - 63.2*	95	57.6	42.5 - 70.1
Nevada	624	54.8	48.7 - 60.5	328	46.9	38.4 - 54.9	296	62.8	54.1 - 70.3
New Hampshire	28	-	-	19	-	-	-	-	-
New Jersey	3,762	56.7	54.1 - 59.2	1,783	50.1	46.2 - 53.9	1,979	61.9	58.6 - 65.1
New Mexico	79	64.4	47.8 - 76.9*	38	-	-	41	67.1	45.4 - 81.7*
New York	9,562	55.7	54.1 - 57.3	4,630	53.9	51.5 - 56.2	4,932	57.5	55.4 - 59.6
North Carolina	6,209	57.1	55.1 - 59.0	3,119	53.8	50.7 - 56.9	3,090	59.7	57.0 - 62.3
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	3,867	57.6	55.1 - 60.0	1,904	54.7	51.0 - 58.2	1,963	59.7	56.2 - 63.0
Oklahoma	793	54.0	47.7 - 59.8	403	50.8	41.0 - 59.8	390	57.1	48.7 - 64.6
Oregon	160	59.1	48.6 - 68.3	93	51.6	37.2 - 64.2	67	69.2	55.9 - 79.2
Pennsylvania	4,074	57.8	55.3 - 60.3	1,960	55.8	51.9 - 59.6	2,114	58.9	55.7 - 62.0
Rhode Island	115	59.1	45.3 - 70.6	54	51.2	31.5 - 67.9	61	71.9	54.4 - 83.7*
South Carolina	3,896	56.6	53.9 - 59.3	1,998	54.7	50.9 - 58.3	1,898	57.7	53.9 - 61.2
Tennessee	3,085	55.3	52.4 - 58.1	1,509	53.8	49.3 - 58.2	1,576	56.8	53.1 - 60.4
Texas	8,737	55.7	53.9 - 57.4	4,493	52.7	50.1 - 55.2	4,244	58.5	56.0 - 60.9
Utah	48	32.0	16.9 - 48.1*	31	-	-	17	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	4,456	54.2	51.9 - 56.5	2,200	48.1	44.5 - 51.6	2,256	59.5	56.4 - 62.5
Washington	555	59.5	51.0 - 66.9	325	57.4	45.1 - 67.9	230	61.0	49.7 - 70.5
WA - Seattle	519	56.9	47.7 - 65.1	301	57.3	43.9 - 68.6	218	56.8	45.9 - 66.4
West Virginia	212	52.6	42.1 - 62.1	119	41.2	28.5 - 53.4	93	67.9	53.6 - 78.7
Wisconsin	950	60.1	54.5 - 65.2	513	56.6	49.6 - 63.1	437	63.6	55.5 - 70.6
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 2010-2016
Complete Method, Follow-Up Through 2016 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	28,638	16.5	15.7 - 17.3	21,023	15.0	13.9 - 16.1	7,615	19.9	18.5 - 21.4
Alabama	674	9.2	5.9 - 13.4	494	9.4	6.1 - 13.6 *	180	10.8	5.1 - 19.0 *
Alaska	14	0.0		10	0.0		-	-	
Arizona	139	18.1	10.6 - 27.2	105	21.9	12.9 - 32.4*	34	15.9	4.7 - 33.2 *
Arkansas	245	18.9	12.5 - 26.3 *	189	20.3	13.0 - 28.7*	56	-	
California	2,080	15.4	12.7 - 18.3	1,510	16.7	13.2 - 20.5	570	14.2	10.4 - 18.5
CA - Greater California	830	17.4	12.6 - 22.9	609	19.8	14.5 - 25.7	221	20.8	13.8 - 28.8*
CA - Greater Bay Area	553	13.9	9.3 - 19.5	418	14.6	8.4 - 22.4	135	15.5	8.5 - 24.4
CA - Los Angeles	698	13.9	10.3 - 18.2	483	16.5	11.9 - 21.7*	215	12.8	7.4 - 19.8
Colorado	180	32.6	22.9 - 42.6	140	23.3	14.4 - 33.5*	40	48.2	28.4 - 65.5*
Connecticut	245	17.0	10.1 - 25.6 *	170	19.8	11.5 - 29.8 *	75	5.5	2.1 - 11.5
Delaware	168	14.9	8.4 - 23.2	124	15.9	7.3 - 27.5 *	44	35.0	19.8 - 50.5*
District of Columbia	486	17.4	12.9 - 22.4 *	355	17.9	12.5 - 24.0*	131	16.0	8.7 - 25.2 *
Florida	1,737	16.4	13.3 - 19.7	1,229	14.6	11.3 - 18.2	508	18.3	12.6 - 24.7
Georgia	1,647	15.6	12.7 - 18.8	1,188	15.3	12.4 - 18.5*	459	20.2	15.4 - 25.6*
Hawaii	17	-		17	-		-	-	
Idaho	10	0.0		-	-		-	-	
Illinois	1,197	17.5	13.8 - 21.6	864	17.6	14.1 - 21.4*	333	20.9	13.6 - 29.2
Iowa	79	21.5	10.4 - 35.1 *	61	19.9	8.0 - 35.7 *	18	-	
Kentucky	266	13.8	8.6 - 20.1 *	200	7.4	3.5 - 13.1	66	20.8	8.4 - 37.1 *
Louisiana	1,228	13.2	10.5 - 16.2 *	990	12.2	9.3 - 15.6 *	238	17.2	10.9 - 24.6 *
Maine	14	-		12	-		-	-	
Maryland	1,357	19.0	15.3 - 23.1	1,003	16.5	12.3 - 21.3	354	23.6	17.2 - 30.6*
Michigan	1,217	23.6	19.3 - 28.2	878	21.8	16.1 - 28.1	339	26.9	20.3 - 33.9
MI - Detroit	946	15.9	12.3 - 19.9	678	15.4	11.6 - 19.7*	268	19.2	13.3 - 25.8
Minnesota	255	30.3	22.1 - 38.8	188	30.0	22.0 - 38.4*	67	36.1	22.4 - 49.9*
Mississippi	496	14.1	9.7 - 19.3 *	351	12.4	7.6 - 18.5 *	145	17.1	9.0 - 27.4 *
Missouri	663	8.9	5.3 - 13.6	486	8.9	5.0 - 14.2	177	13.9	6.4 - 24.4 *
Montana	-	-		-	-		-	-	
Nebraska	71	17.1	7.3 - 30.5 *	56	15.2	5.4 - 29.4 *	15	-	
Nevada	120	12.7	5.3 - 23.3 *	79	14.1	5.3 - 27.0	41	-	
New Hampshire	-	-		-	-		-	-	
New Jersey	804	18.6	14.4 - 23.2	574	16.2	11.2 - 22.0	230	27.4	19.6 - 35.7*
New Mexico	25	-		15	-		10	-	
New York	2,819	16.4	14.2 - 18.8	1,997	16.5	14.2 - 19.0*	822	21.3	17.2 - 25.6
North Carolina	1,440	14.6	10.8 - 18.9	1,045	12.1	8.0 - 17.2	395	20.2	13.9 - 27.3
North Dakota	-	-		-	-		-	-	
Ohio	1,116	17.7	13.5 - 22.2	795	20.8	14.9 - 27.3	321	16.2	10.5 - 23.0
Oklahoma	168	6.9	4.0 - 11.0	118	11.4	4.9 - 21.1 *	50	26.3	11.4 - 43.9*
Oregon	80	14.9	5.5 - 28.7 *	65	-		15	-	
Pennsylvania	1,627	19.5	16.0 - 23.3	1,246	18.1	13.9 - 22.8	381	24.7	18.5 - 31.4*
Rhode Island	40	10.2	1.0 - 32.7 *	27	0.0		13	-	
South Carolina	743	11.3	8.0 - 15.1	559	10.5	6.8 - 15.2	184	14.4	8.7 - 21.7 *
Tennessee	706	16.6	13.0 - 20.6 *	491	13.5	9.6 - 18.0 *	215	23.9	16.6 - 32.0*
Texas	2,747	14.4	11.9 - 17.2	2,074	12.9	9.7 - 16.6	673	17.2	12.9 - 22.1
Utah	23	15.7	2.8 - 38.5 *	22	-		-	-	
Vermont	-	-		-	-		-	-	
Virginia	1,005	15.4	11.5 - 19.7	756	12.0	7.6 - 17.6	249	20.9	14.9 - 27.6
Washington	271	18.7	11.7 - 26.9*	201	20.1	12.0 - 29.8*	70	14.2	4.0 - 30.4 *
WA - Seattle	258	14.9	8.5 - 23.0 *	191	17.3	9.5 - 27.0 *	67	9.3	1.8 - 24.4 *
West Virginia	69	8.5	2.4 - 19.4 *	56	9.4	2.7 - 21.5 *	13	0.0	
Wisconsin	327	27.5	21.0 - 34.4 *	255	25.3	17.7 - 33.5*	72	32.2	20.0 - 45.1 *
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 2010-2016
Complete Method, Follow-Up Through 2016 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	36,891	11.3	10.8 - 11.7	17,228	9.5	8.9 - 10.2	19,663	12.9	12.3 - 13.6
Alabama	1,246	9.8	7.7 - 12.2	558	7.4	4.5 - 11.2 *	688	11.9	8.9 - 15.4
Alaska	14	0.0	-	-	-	-	-	-	-
Arizona	219	7.2	3.1 - 13.7 *	111	5.5	1.3 - 14.5 *	108	9.7	3.5 - 19.6 *
Arkansas	430	9.0	6.1 - 12.5	198	9.8	5.4 - 15.7 *	232	8.7	4.9 - 13.8 *
California	2,401	10.2	8.4 - 12.2	1,168	7.6	5.4 - 10.2	1,233	12.2	9.8 - 14.9
CA - Greater California	887	11.6	8.8 - 14.9	467	7.3	3.7 - 12.5 *	420	13.7	9.6 - 18.6
CA - Greater Bay Area	563	7.8	5.0 - 11.5 *	274	5.5	2.3 - 10.9 *	289	9.9	5.8 - 15.5 *
CA - Los Angeles	951	9.9	7.4 - 12.8	427	7.9	4.6 - 12.3 *	524	10.8	7.4 - 14.7
Colorado	152	9.6	4.1 - 17.8 *	81	10.7	3.7 - 21.9 *	71	8.6	2.0 - 21.6 *
Connecticut	344	10.3	6.1 - 15.9 *	164	12.0	5.0 - 22.3 *	180	8.2	3.7 - 15.1 *
Delaware	197	0.0	-	89	0.0	-	108	0.0	-
District of Columbia	468	9.5	6.2 - 13.5 *	223	6.9	2.9 - 13.2 *	245	11.3	6.7 - 17.1 *
Florida	2,466	14.4	12.5 - 16.4	1,139	14.8	12.0 - 17.8	1,327	13.9	11.2 - 17.0
Georgia	2,517	10.9	9.1 - 12.8	1,166	8.0	5.6 - 10.9	1,351	12.7	10.4 - 15.2
Hawaii	17	-	-	12	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,891	14.0	11.9 - 16.2	868	13.0	10.0 - 16.3	1,023	15.1	12.2 - 18.3
Iowa	71	0.0	-	36	-	-	35	0.0	-
Kentucky	341	12.8	8.8 - 17.7 *	159	11.3	6.3 - 18.0 *	182	14.2	8.4 - 21.5 *
Louisiana	1,395	5.9	4.3 - 8.0 *	667	4.6	2.4 - 7.8 *	728	7.0	4.7 - 10.0 *
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,655	13.2	10.9 - 15.6	772	9.8	7.2 - 13.0	883	16.5	13.4 - 20.0
Michigan	1,631	13.4	11.0 - 16.1	757	12.4	9.4 - 15.7	874	13.5	10.3 - 17.1
MI - Detroit	1,238	9.2	7.0 - 11.7	566	9.4	6.4 - 13.2 *	672	7.6	5.0 - 10.9 *
Minnesota	177	6.7	2.3 - 14.4 *	92	3.7	0.3 - 15.2 *	85	10.6	4.5 - 19.6 *
Mississippi	1,046	9.8	7.6 - 12.3	521	8.6	5.6 - 12.4 *	525	10.4	7.6 - 13.8
Missouri	746	6.9	4.7 - 9.6	366	6.2	3.4 - 10.3	380	8.3	4.9 - 12.8 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	83	21.2	10.5 - 34.4 *	42	-	-	41	16.9	6.0 - 32.4 *
Nevada	157	6.0	1.6 - 14.8 *	81	4.9	0.6 - 17.2 *	76	8.1	1.7 - 21.3 *
New Hampshire	10	0.0	-	-	-	-	-	-	-
New Jersey	1,239	12.0	9.6 - 14.6	552	8.3	5.4 - 12.1 *	687	14.4	11.2 - 18.0
New Mexico	32	-	-	21	-	-	11	-	-
New York	3,425	11.3	9.8 - 12.9	1,526	7.7	5.7 - 10.0	1,899	14.5	12.5 - 16.8
North Carolina	2,157	10.7	9.0 - 12.5	989	8.8	6.5 - 11.5 *	1,168	12.6	10.1 - 15.3
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,280	9.2	6.9 - 11.8	578	5.0	2.8 - 8.2	702	13.0	10.0 - 16.4
Oklahoma	237	8.4	4.0 - 14.7 *	120	9.3	4.3 - 16.7 *	117	7.7	2.2 - 17.8 *
Oregon	63	12.2	4.6 - 23.8 *	31	-	-	32	14.8	4.2 - 31.6 *
Pennsylvania	1,515	10.5	8.5 - 12.8	663	9.9	6.9 - 13.5	852	9.2	6.5 - 12.3 *
Rhode Island	50	13.4	4.9 - 26.2 *	27	-	-	23	17.1	4.0 - 37.9 *
South Carolina	1,408	9.3	7.2 - 11.6	675	7.3	4.8 - 10.5	733	11.6	8.7 - 14.9
Tennessee	930	10.7	8.1 - 13.8	430	9.4	6.0 - 13.7 *	500	11.9	8.3 - 16.1
Texas	2,587	13.1	11.4 - 14.9	1,196	11.5	9.4 - 14.0	1,391	14.3	11.9 - 16.8
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	1,659	9.3	7.4 - 11.6	804	9.3	6.7 - 12.4	855	8.2	5.7 - 11.2 *
Washington	215	16.1	10.2 - 23.0 *	126	21.1	12.9 - 30.8 *	89	8.6	2.8 - 18.8 *
WA - Seattle	198	13.7	7.8 - 21.2 *	111	15.9	8.0 - 26.1 *	87	10.4	3.5 - 21.8 *
West Virginia	67	4.4	0.8 - 13.0 *	35	-	-	32	4.4	0.3 - 18.3 *
Wisconsin	323	15.4	10.8 - 20.8 *	158	13.5	7.7 - 20.9 *	165	17.3	10.6 - 25.3 *
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 2010-2016
Complete Method, Follow-Up Through 2016 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	11,899	50.5	48.8 - 52.2	9,449	50.3	48.4 - 52.3	2,450	51.1	47.5 - 54.5
Alabama	441	52.0	43.9 - 59.5	384	52.0	42.2 - 60.9	57	57.3	36.4 - 73.6
Alaska	-	-	-	-	-	-	-	-	-
Arizona	44	-	-	37	0.0	-	-	-	-
Arkansas	166	48.5	35.4 - 60.5	135	52.4	37.5 - 65.3	31	-	-
California	543	49.0	41.5 - 56.2	432	50.2	42.3 - 57.5	111	36.5	27.9 - 45.1
CA - Greater California	198	50.2	37.5 - 61.6	164	47.4	34.3 - 59.3	34	-	-
CA - Greater Bay Area	128	38.3	26.1 - 50.4	104	42.7	30.6 - 54.3	24	0.0	-
CA - Los Angeles	217	54.8	42.7 - 65.3	164	55.7	43.7 - 66.0	53	53.7	34.3 - 69.7*
Colorado	40	-	-	29	-	-	11	-	-
Connecticut	113	48.5	30.4 - 64.5	94	49.3	32.5 - 64.1*	19	-	-
Delaware	50	40.1	23.3 - 56.4*	35	33.5	15.9 - 52.1*	15	-	-
District of Columbia	127	36.3	24.3 - 48.4	94	39.4	24.4 - 54.1	33	32.5	14.9 - 51.4*
Florida	697	49.2	41.8 - 56.2	593	49.9	42.0 - 57.3	104	41.2	27.2 - 54.6*
Georgia	839	44.4	37.8 - 50.9	691	44.4	37.1 - 51.4	148	42.9	28.3 - 56.7
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	703	55.3	48.1 - 61.8	527	52.6	43.8 - 60.7	176	59.6	48.5 - 69.1*
Iowa	21	-	-	19	-	-	-	-	-
Kentucky	147	57.1	45.3 - 67.3*	110	59.7	46.8 - 70.4*	37	-	-
Louisiana	662	54.9	46.2 - 62.7	529	52.0	42.5 - 60.6	133	55.9	43.5 - 66.6*
Maine	-	-	-	-	-	-	-	-	-
Maryland	433	52.4	45.0 - 59.3	344	51.0	42.7 - 58.6	89	59.7	45.3 - 71.5*
Michigan	543	53.7	45.3 - 61.4	409	54.9	47.1 - 62.0*	134	47.9	30.8 - 63.2
MI - Detroit	404	48.7	39.9 - 57.0	302	51.2	42.0 - 59.7*	102	42.2	25.4 - 58.1
Minnesota	63	64.4	45.8 - 78.0*	46	68.2	45.0 - 83.2*	17	-	-
Mississippi	476	39.8	31.2 - 48.2	395	44.1	36.4 - 51.4*	81	55.0	38.9 - 68.4*
Missouri	247	59.4	49.1 - 68.2*	191	60.4	48.7 - 70.3*	56	-	-
Montana	-	-	-	-	-	-	-	-	-
Nebraska	26	-	-	21	-	-	-	-	-
Nevada	38	-	-	32	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	310	39.6	30.3 - 48.8	227	37.6	27.4 - 47.7	83	52.7	36.1 - 66.8*
New Mexico	-	-	-	-	-	-	-	-	-
New York	869	44.9	39.7 - 49.9	665	44.7	38.7 - 50.5	204	44.6	34.3 - 54.4
North Carolina	797	53.4	46.4 - 59.9	634	53.4	45.4 - 60.8	163	51.3	39.4 - 62.0
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	471	56.7	47.1 - 65.2	353	53.7	41.9 - 64.1	118	60.4	47.9 - 70.7*
Oklahoma	85	54.1	39.2 - 66.9*	64	55.9	38.5 - 70.3*	21	-	-
Oregon	19	-	-	18	-	-	-	-	-
Pennsylvania	463	59.1	52.7 - 64.9*	340	60.8	53.2 - 67.6*	123	45.1	33.9 - 55.6
Rhode Island	13	-	-	12	-	-	-	-	-
South Carolina	573	43.1	35.9 - 50.1	490	41.8	34.0 - 49.3	83	48.4	28.9 - 65.4
Tennessee	351	46.6	38.7 - 54.0*	275	48.7	39.9 - 57.0*	76	36.6	21.6 - 51.7
Texas	809	45.9	39.7 - 52.0	649	46.0	39.1 - 52.5	160	47.2	36.5 - 57.1*
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	501	55.8	48.8 - 62.2	406	56.9	49.3 - 63.7*	95	50.8	35.5 - 64.2
Washington	63	57.4	38.4 - 72.5*	48	-	-	15	-	-
WA - Seattle	57	56.7	36.6 - 72.6*	43	-	-	14	-	-
West Virginia	19	-	-	12	-	-	-	-	-
Wisconsin	111	51.8	36.6 - 64.9*	88	49.5	31.7 - 65.1*	23	-	-
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 2010-2016
Complete Method, Follow-Up Through 2016 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	149,222	19.6	19.2 - 19.9	82,353	16.1	15.7 - 16.5	66,869	23.8	23.3 - 24.3
Alabama	4,982	15.2	13.6 - 16.9	3,163	13.0	11.1 - 15.1	1,819	18.5	15.9 - 21.3
Alaska	50	10.0	1.0 - 31.5 *	32	8.7	0.7 - 29.7 *	18	-	-
Arizona	716	21.4	17.2 - 25.9	392	16.4	11.5 - 22.1*	324	23.8	17.7 - 30.4
Arkansas	2,025	14.2	11.9 - 16.8	1,254	13.2	10.4 - 16.5	771	15.2	11.7 - 19.0
California	8,817	18.1	16.8 - 19.4	4,581	15.4	13.7 - 17.2	4,236	21.0	19.1 - 22.9
CA - Greater California	3,347	18.6	16.5 - 20.6	1,817	14.3	11.8 - 17.1	1,530	23.3	20.3 - 26.5
CA - Greater Bay Area	1,966	20.0	17.2 - 22.9	1,028	17.7	13.9 - 21.9	938	22.0	18.1 - 26.2
CA - Los Angeles	3,507	16.3	14.4 - 18.3	1,738	14.2	11.6 - 16.9	1,769	18.1	15.5 - 21.0
Colorado	548	23.4	18.5 - 28.7	307	24.2	17.8 - 31.2	241	21.7	14.8 - 29.5*
Connecticut	1,248	25.1	21.7 - 28.6	664	18.9	14.6 - 23.6	584	31.8	26.8 - 37.0
Delaware	804	22.5	18.3 - 27.0	398	22.1	16.6 - 28.0*	406	22.0	16.1 - 28.4
District of Columbia	1,675	18.5	15.8 - 21.4*	847	15.3	11.9 - 19.0*	828	21.9	17.8 - 26.4*
Florida	8,762	20.4	19.1 - 21.7	5,091	15.9	14.4 - 17.6	3,671	26.2	24.0 - 28.3
Georgia	9,774	18.2	17.0 - 19.5	5,742	14.2	12.7 - 15.8	4,032	23.4	21.4 - 25.4
Hawaii	46	17.5	6.8 - 32.2 *	29	20.5	7.3 - 38.4 *	17	10.2	0.6 - 35.8 *
Idaho	18	-	-	14	-	-	-	-	-
Illinois	8,990	21.5	20.2 - 22.8	4,578	17.7	16.0 - 19.5	4,412	25.5	23.5 - 27.5
Iowa	285	15.9	10.3 - 22.7	156	10.9	4.4 - 20.8 *	129	21.9	13.9 - 31.1*
Kentucky	1,840	19.9	17.2 - 22.7	969	17.6	14.0 - 21.6	871	22.4	18.4 - 26.6
Louisiana	6,513	15.6	14.1 - 17.0	3,983	12.6	11.0 - 14.4	2,530	19.9	17.5 - 22.5
Maine	27	-	-	16	0.0	-	11	-	-
Maryland	5,967	23.9	22.1 - 25.6	2,940	19.1	16.9 - 21.4	3,027	28.5	26.0 - 31.1
Michigan	6,728	24.0	22.4 - 25.6	3,519	21.2	19.0 - 23.4	3,209	26.8	24.4 - 29.2
MI - Detroit	5,021	20.1	18.3 - 21.9	2,572	18.7	16.4 - 21.1	2,449	21.3	19.0 - 23.8
Minnesota	664	24.4	19.6 - 29.5	373	16.6	11.5 - 22.5	291	34.0	26.0 - 42.1
Mississippi	4,872	14.4	12.9 - 16.0	3,091	11.8	9.9 - 13.9	1,781	18.8	16.2 - 21.5
Missouri	3,366	18.6	16.5 - 20.8	1,761	16.1	13.4 - 19.0	1,605	22.2	18.9 - 25.8
Montana	10	-	-	-	-	-	-	-	-
Nebraska	305	19.7	14.4 - 25.6*	155	17.7	11.1 - 25.6*	150	21.3	13.5 - 30.4*
Nevada	735	18.4	14.2 - 23.1	389	15.9	11.2 - 21.5*	346	21.3	14.9 - 28.5
New Hampshire	30	9.4	1.7 - 25.4 *	20	8.0	0.5 - 29.7 *	10	-	-
New Jersey	4,358	18.7	16.9 - 20.5	2,132	14.1	11.8 - 16.5	2,226	23.1	20.4 - 25.8
New Mexico	133	19.4	10.7 - 30.1*	81	15.6	5.6 - 30.1 *	52	24.5	10.9 - 41.0*
New York	11,320	19.2	18.1 - 20.3	5,803	14.5	13.0 - 16.0	5,517	24.0	22.3 - 25.7
North Carolina	9,238	20.0	18.7 - 21.4	5,430	17.3	15.6 - 19.1	3,808	23.5	21.4 - 25.7
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	6,628	20.4	18.9 - 21.9	3,431	16.8	14.8 - 18.9	3,197	24.2	21.9 - 26.5
Oklahoma	1,158	16.6	13.5 - 20.0	656	18.3	14.3 - 22.7*	502	16.0	11.7 - 20.8
Oregon	284	25.7	18.7 - 33.2	174	26.6	18.3 - 35.6	110	26.5	16.9 - 37.1
Pennsylvania	6,800	23.0	21.5 - 24.6	3,272	17.7	15.8 - 19.8	3,528	27.9	25.8 - 30.2
Rhode Island	211	22.7	15.3 - 31.1*	108	23.9	14.3 - 34.8*	103	22.8	12.9 - 34.4*
South Carolina	5,359	17.6	15.7 - 19.5	3,256	14.5	12.3 - 16.9	2,103	22.0	19.0 - 25.1
Tennessee	4,333	16.7	14.9 - 18.5	2,478	13.1	11.0 - 15.4	1,855	20.9	18.1 - 23.9
Texas	10,616	19.6	18.4 - 20.8	6,005	16.4	14.8 - 18.0	4,611	23.3	21.6 - 25.1
Utah	50	11.7	2.6 - 28.4 *	27	22.5	8.3 - 41.0 *	23	0.0	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	6,302	18.9	17.3 - 20.5	3,553	15.8	13.9 - 17.8	2,749	22.7	20.2 - 25.3
Washington	743	27.0	22.4 - 31.8*	430	20.3	14.4 - 26.8	313	33.9	26.8 - 41.0*
WA - Seattle	694	28.0	23.1 - 33.0*	400	21.4	15.5 - 28.0	294	34.1	26.7 - 41.5*
West Virginia	319	13.1	7.9 - 19.5	191	10.7	4.5 - 19.8 *	128	15.8	8.7 - 24.7
Wisconsin	1,550	23.8	20.4 - 27.2	842	20.5	16.0 - 25.3	708	27.4	22.6 - 32.4
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 2010-2016
Complete Method, Follow-Up Through 2016 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	2,368	69.2	66.3 - 71.9	1,106	61.7	56.8 - 66.1	1,262	74.8	71.3 - 78.0
Alabama	68	73.2	58.4 - 83.5	32	-	-	36	-	-
Alaska	-	-	-	-	-	-	-	-	-
Arizona	23	-	-	13	-	-	10	-	-
Arkansas	33	-	-	15	-	-	18	-	-
California	165	69.3	59.6 - 77.1	85	51.9	32.0 - 68.5*	80	75.9	63.2 - 84.7
CA - Greater California	72	69.5	54.7 - 80.3	32	-	-	40	-	-
CA - Greater Bay Area	32	-	-	18	-	-	14	-	-
CA - Los Angeles	63	-	-	37	-	-	26	-	-
Colorado	-	-	-	-	-	-	-	-	-
Connecticut	26	-	-	10	-	-	16	-	-
Delaware	17	-	-	-	-	-	14	-	-
District of Columbia	21	-	-	12	-	-	-	-	-
Florida	214	68.3	57.1 - 77.2	119	53.3	34.3 - 69.2*	95	77.9	66.2 - 85.9
Georgia	165	67.8	56.3 - 76.9*	66	-	-	99	66.7	53.6 - 76.9*
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	85	64.0	46.9 - 76.9*	35	-	-	50	73.4	48.8 - 87.5*
Iowa	-	-	-	-	-	-	-	-	-
Kentucky	28	-	-	13	0.0	-	15	-	-
Louisiana	94	66.3	50.7 - 77.9	40	-	-	54	-	-
Maine	-	-	-	-	-	-	-	-	-
Maryland	113	66.8	53.9 - 76.8	59	68.4	49.0 - 81.7	54	66.8	49.4 - 79.4
Michigan	80	64.5	51.9 - 74.6	33	-	-	47	-	-
MI - Detroit	48	-	-	16	-	-	32	-	-
Minnesota	13	-	-	-	-	-	-	-	-
Mississippi	67	-	-	33	-	-	34	-	-
Missouri	25	-	-	14	-	-	11	-	-
Montana	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-
Nevada	16	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	80	56.9	45.4 - 66.9	39	-	-	41	-	-
New Mexico	-	-	-	-	-	-	-	-	-
New York	230	72.1	62.2 - 79.8	101	58.1	40.8 - 71.9	129	81.9	72.9 - 88.1
North Carolina	131	63.4	50.5 - 73.8	64	57.6	38.2 - 72.8	67	64.8	44.4 - 79.3*
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	74	76.2	62.1 - 85.7	31	79.8	52.9 - 92.4*	43	72.7	49.5 - 86.5*
Oklahoma	21	-	-	11	-	-	10	-	-
Oregon	-	-	-	-	-	-	-	-	-
Pennsylvania	78	69.8	53.5 - 81.3	39	-	-	39	76.2	53.4 - 88.9*
Rhode Island	-	-	-	-	-	-	-	-	-
South Carolina	72	56.5	41.2 - 69.3	24	-	-	48	65.6	43.8 - 80.7*
Tennessee	53	-	-	26	-	-	27	-	-
Texas	195	74.0	64.1 - 81.6	85	69.7	53.1 - 81.5*	110	78.9	67.1 - 86.8
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	98	75.6	65.0 - 83.4	49	69.1	48.3 - 82.9*	49	-	-
Washington	22	-	-	12	-	-	10	-	-
WA - Seattle	15	-	-	10	-	-	-	-	-
West Virginia	-	-	-	-	-	-	-	-	-
Wisconsin	16	-	-	-	-	-	-	-	-
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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	179,087	80.9	80.5 - 81.3
Alabama	-	-	-	-	-	-	6,084	81.2	79.0 - 83.2
Alaska	-	-	-	-	-	-	81	75.1	50.8 - 88.6
Arizona	-	-	-	-	-	-	927	79.4	72.9 - 84.5
Arkansas	-	-	-	-	-	-	1,876	81.2	76.1 - 85.4
California	-	-	-	-	-	-	11,408	81.8	80.2 - 83.4
CA - Greater California	-	-	-	-	-	-	4,362	81.9	78.8 - 84.6
CA - Greater Bay Area	-	-	-	-	-	-	2,282	82.5	78.7 - 85.6
CA - Los Angeles	-	-	-	-	-	-	4,769	81.0	78.6 - 83.2
Colorado	-	-	-	-	-	-	775	83.4	75.7 - 88.8
Connecticut	-	-	-	-	-	-	1,697	87.3	83.8 - 90.1
Delaware	-	-	-	-	-	-	997	84.1	78.4 - 88.5
District of Columbia	-	-	-	-	-	-	1,950	80.4	76.8 - 83.6
Florida	-	-	-	-	-	-	12,049	80.2	78.5 - 81.7
Georgia	-	-	-	-	-	-	13,723	78.9	77.2 - 80.5
Hawaii	-	-	-	-	-	-	77	53.7	42.7 - 63.6
Idaho	-	-	-	-	-	-	17	-	-
Illinois	-	-	-	-	-	-	9,370	84.1	82.4 - 85.8
Iowa	-	-	-	-	-	-	243	80.3	64.6 - 89.5
Kentucky	-	-	-	-	-	-	1,533	79.1	74.2 - 83.2
Louisiana	-	-	-	-	-	-	6,875	79.4	77.0 - 81.6
Maine	-	-	-	-	-	-	30	-	-
Maryland	-	-	-	-	-	-	9,146	84.2	82.3 - 85.9
Michigan	-	-	-	-	-	-	6,631	78.5	76.2 - 80.7
MI - Detroit	-	-	-	-	-	-	5,156	80.4	77.8 - 82.7
Minnesota	-	-	-	-	-	-	737	73.5	61.8 - 82.2
Mississippi	-	-	-	-	-	-	4,813	74.4	71.4 - 77.1
Missouri	-	-	-	-	-	-	3,381	79.0	75.7 - 81.9
Montana	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	294	77.1	64.3 - 85.8
Nevada	-	-	-	-	-	-	877	72.9	66.0 - 78.7
New Hampshire	-	-	-	-	-	-	37	-	-
New Jersey	-	-	-	-	-	-	6,191	78.1	75.8 - 80.3
New Mexico	-	-	-	-	-	-	129	83.5	70.2 - 91.2
New York	-	-	-	-	-	-	16,061	79.2	77.8 - 80.5
North Carolina	-	-	-	-	-	-	11,043	82.7	80.9 - 84.3
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	6,607	80.9	78.8 - 82.9
Oklahoma	-	-	-	-	-	-	1,184	82.4	78.0 - 86.1
Oregon	-	-	-	-	-	-	265	75.4	64.1 - 83.5
Pennsylvania	-	-	-	-	-	-	6,740	83.3	81.4 - 85.1
Rhode Island	-	-	-	-	-	-	239	82.4	70.0 - 90.0
South Carolina	-	-	-	-	-	-	6,442	81.9	79.8 - 83.8
Tennessee	-	-	-	-	-	-	4,888	80.2	77.1 - 82.9
Texas	-	-	-	-	-	-	12,895	78.2	76.5 - 79.8
Utah	-	-	-	-	-	-	54	84.4	61.4 - 94.2*
Vermont	-	-	-	-	-	-	12	-	-
Virginia	-	-	-	-	-	-	8,047	82.0	79.9 - 83.9
Washington	-	-	-	-	-	-	930	83.7	77.6 - 88.2
WA - Seattle	-	-	-	-	-	-	888	84.1	77.5 - 88.9
West Virginia	-	-	-	-	-	-	286	79.8	65.9 - 88.5
Wisconsin	-	-	-	-	-	-	1,425	82.9	76.2 - 87.8
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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	13,400	54.6	53.4 - 55.8
Alabama	-	-	-	-	-	-	472	48.4	42.4 - 54.0
Alaska	-	-	-	-	-	-	-	-	-
Arizona	-	-	-	-	-	-	60	67.2	52.3 - 78.4
Arkansas	-	-	-	-	-	-	185	43.7	34.9 - 52.1
California	-	-	-	-	-	-	687	49.0	43.0 - 54.8
CA - Greater California	-	-	-	-	-	-	281	51.1	42.1 - 59.3
CA - Greater Bay Area	-	-	-	-	-	-	103	41.0	29.6 - 52.1
CA - Los Angeles	-	-	-	-	-	-	303	47.0	38.8 - 54.8
Colorado	-	-	-	-	-	-	45	69.9	50.3 - 83.0*
Connecticut	-	-	-	-	-	-	105	51.9	39.8 - 62.7
Delaware	-	-	-	-	-	-	73	55.6	41.8 - 67.3
District of Columbia	-	-	-	-	-	-	142	56.5	46.1 - 65.5*
Florida	-	-	-	-	-	-	1,253	60.1	56.3 - 63.7
Georgia	-	-	-	-	-	-	922	49.9	45.5 - 54.1
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	-	-	-	-	-	-	760	57.8	52.7 - 62.5
Iowa	-	-	-	-	-	-	19	-	-
Kentucky	-	-	-	-	-	-	93	54.5	42.4 - 65.1
Louisiana	-	-	-	-	-	-	559	53.3	47.3 - 58.9
Maine	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	514	60.7	55.1 - 65.8
Michigan	-	-	-	-	-	-	402	56.4	49.6 - 62.7*
MI - Detroit	-	-	-	-	-	-	318	50.4	43.4 - 56.9
Minnesota	-	-	-	-	-	-	57	60.8	41.1 - 75.6*
Mississippi	-	-	-	-	-	-	443	51.3	45.6 - 56.7
Missouri	-	-	-	-	-	-	238	48.6	41.3 - 55.5
Montana	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	25	-	-
Nevada	-	-	-	-	-	-	61	58.2	41.5 - 71.6*
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	519	44.9	39.0 - 50.7
New Mexico	-	-	-	-	-	-	-	-	-
New York	-	-	-	-	-	-	1,416	51.7	47.8 - 55.4
North Carolina	-	-	-	-	-	-	666	56.4	51.2 - 61.3
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	392	52.6	43.9 - 60.5
Oklahoma	-	-	-	-	-	-	68	62.4	46.6 - 74.7*
Oregon	-	-	-	-	-	-	13	-	-
Pennsylvania	-	-	-	-	-	-	537	59.7	53.9 - 65.0
Rhode Island	-	-	-	-	-	-	11	100.0	-
South Carolina	-	-	-	-	-	-	442	52.9	46.3 - 59.0
Tennessee	-	-	-	-	-	-	428	48.1	42.1 - 53.9
Texas	-	-	-	-	-	-	1,107	53.3	48.9 - 57.4
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	451	58.2	51.3 - 64.5
Washington	-	-	-	-	-	-	55	70.1	48.7 - 83.9*
WA - Seattle	-	-	-	-	-	-	46	-	-
West Virginia	-	-	-	-	-	-	10	-	-
Wisconsin	-	-	-	-	-	-	140	63.9	52.6 - 73.1*
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%.

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**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	39,044	58.0	57.1 - 58.8
Alabama	-	-	-	-	-	-	1,081	54.9	50.3 - 59.3
Alaska	-	-	-	-	-	-	10	-	-
Arizona	-	-	-	-	-	-	183	59.0	44.8 - 70.7
Arkansas	-	-	-	-	-	-	373	54.9	46.5 - 62.5
California	-	-	-	-	-	-	2,516	59.7	56.1 - 63.1
CA - Greater California	-	-	-	-	-	-	884	54.4	47.4 - 60.8
CA - Greater Bay Area	-	-	-	-	-	-	547	63.2	56.1 - 69.5
CA - Los Angeles	-	-	-	-	-	-	1,085	60.3	54.9 - 65.2
Colorado	-	-	-	-	-	-	132	48.3	34.7 - 60.7
Connecticut	-	-	-	-	-	-	411	55.7	48.4 - 62.4
Delaware	-	-	-	-	-	-	227	64.9	55.1 - 73.0
District of Columbia	-	-	-	-	-	-	522	58.6	51.8 - 64.8
Florida	-	-	-	-	-	-	2,968	59.1	56.0 - 62.0
Georgia	-	-	-	-	-	-	2,781	54.1	50.7 - 57.4
Hawaii	-	-	-	-	-	-	10	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	-	-	-	-	-	-	2,156	57.5	54.2 - 60.6
Iowa	-	-	-	-	-	-	65	67.3	48.0 - 80.8*
Kentucky	-	-	-	-	-	-	305	55.7	47.5 - 63.1
Louisiana	-	-	-	-	-	-	1,239	54.1	49.1 - 58.9
Maine	-	-	-	-	-	-	10	-	-
Maryland	-	-	-	-	-	-	1,955	56.8	53.0 - 60.4
Michigan	-	-	-	-	-	-	1,516	59.7	55.2 - 64.0
MI - Detroit	-	-	-	-	-	-	1,148	59.8	54.8 - 64.4
Minnesota	-	-	-	-	-	-	176	67.3	52.5 - 78.4
Mississippi	-	-	-	-	-	-	986	57.5	52.4 - 62.4
Missouri	-	-	-	-	-	-	694	55.4	49.5 - 60.9
Montana	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	51	-	-
Nevada	-	-	-	-	-	-	142	56.8	42.9 - 68.5
New Hampshire	-	-	-	-	-	-	10	-	-
New Jersey	-	-	-	-	-	-	1,463	57.3	53.1 - 61.2
New Mexico	-	-	-	-	-	-	36	-	-
New York	-	-	-	-	-	-	4,611	55.9	53.6 - 58.2
North Carolina	-	-	-	-	-	-	2,219	59.7	56.3 - 62.9
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	1,375	55.5	50.8 - 59.9
Oklahoma	-	-	-	-	-	-	240	55.3	43.4 - 65.7
Oregon	-	-	-	-	-	-	57	65.1	45.1 - 79.4*
Pennsylvania	-	-	-	-	-	-	1,640	57.5	53.7 - 61.2
Rhode Island	-	-	-	-	-	-	46	76.6	52.7 - 89.5*
South Carolina	-	-	-	-	-	-	1,453	60.6	56.5 - 64.4
Tennessee	-	-	-	-	-	-	924	57.1	51.2 - 62.5
Texas	-	-	-	-	-	-	2,449	56.8	53.3 - 60.1
Utah	-	-	-	-	-	-	10	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	1,454	59.6	55.2 - 63.8
Washington	-	-	-	-	-	-	177	67.1	54.2 - 77.2
WA - Seattle	-	-	-	-	-	-	165	69.3	55.8 - 79.4
West Virginia	-	-	-	-	-	-	48	-	-
Wisconsin	-	-	-	-	-	-	307	62.0	50.3 - 71.7
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

Black

III-68 Survival – Corpus & Uterus, NOS

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	-	-	-	13,108	34.2	33.0 - 35.4
Alabama	-	-	-	-	-	-	469	36.3	30.8 - 41.9
Alaska	-	-	-	-	-	-	-	-	-
Arizona	-	-	-	-	-	-	62	-	-
Arkansas	-	-	-	-	-	-	132	34.3	22.9 - 46.0 *
California	-	-	-	-	-	-	868	32.9	28.2 - 37.6
CA - Greater California	-	-	-	-	-	-	315	37.9	30.2 - 45.6
CA - Greater Bay Area	-	-	-	-	-	-	199	29.5	18.7 - 41.0
CA - Los Angeles	-	-	-	-	-	-	354	28.5	22.1 - 35.2
Colorado	-	-	-	-	-	-	46	31.3	15.5 - 48.5 *
Connecticut	-	-	-	-	-	-	124	40.1	27.9 - 52.0
Delaware	-	-	-	-	-	-	60	51.4	33.3 - 66.9 *
District of Columbia	-	-	-	-	-	-	178	27.1	18.0 - 37.0
Florida	-	-	-	-	-	-	1,022	37.1	32.5 - 41.7
Georgia	-	-	-	-	-	-	1,046	31.4	26.9 - 35.9
Hawaii	-	-	-	-	-	-	10	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	-	-	-	-	-	-	698	38.7	33.6 - 43.7
Iowa	-	-	-	-	-	-	18	-	-
Kentucky	-	-	-	-	-	-	96	31.9	22.3 - 42.0
Louisiana	-	-	-	-	-	-	464	33.7	27.5 - 39.9 *
Maine	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	633	28.2	23.2 - 33.4
Michigan	-	-	-	-	-	-	501	37.9	31.5 - 44.3
MI - Detroit	-	-	-	-	-	-	395	34.1	26.7 - 41.7
Minnesota	-	-	-	-	-	-	54	64.6	45.3 - 78.6 *
Mississippi	-	-	-	-	-	-	320	35.5	28.6 - 42.5
Missouri	-	-	-	-	-	-	194	41.0	31.9 - 49.9
Montana	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	12	-	-
Nevada	-	-	-	-	-	-	66	34.0	16.4 - 52.5
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	507	33.8	28.3 - 39.4
New Mexico	-	-	-	-	-	-	11	-	-
New York	-	-	-	-	-	-	1,335	29.4	26.2 - 32.7
North Carolina	-	-	-	-	-	-	716	35.1	30.2 - 40.1
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	407	37.0	30.3 - 43.6
Oklahoma	-	-	-	-	-	-	93	34.9	22.9 - 47.3 *
Oregon	-	-	-	-	-	-	20	-	-
Pennsylvania	-	-	-	-	-	-	475	38.2	32.1 - 44.1
Rhode Island	-	-	-	-	-	-	12	-	-
South Carolina	-	-	-	-	-	-	435	32.7	26.3 - 39.2
Tennessee	-	-	-	-	-	-	354	32.8	26.0 - 39.6
Texas	-	-	-	-	-	-	977	30.2	25.2 - 35.3
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	501	36.9	30.7 - 43.2
Washington	-	-	-	-	-	-	55	49.7	29.6 - 67.0 *
WA - Seattle	-	-	-	-	-	-	55	-	-
West Virginia	-	-	-	-	-	-	24	0.0	-
Wisconsin	-	-	-	-	-	-	98	54.9	39.2 - 68.1 *
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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-		210,824	92.4	92.0 - 92.8	-	-	
Alabama	-	-		7,399	91.0	88.5 - 93.0	-	-	
Alaska	-	-		117	78.9	57.0 - 90.5	-	-	
Arizona	-	-		988	88.3	81.7 - 92.6	-	-	
Arkansas	-	-		2,484	91.0	87.1 - 93.7	-	-	
California	-	-		13,244	90.4	88.8 - 91.8	-	-	
CA - Greater California	-	-		5,459	89.8	87.2 - 91.9	-	-	
CA - Greater Bay Area	-	-		2,797	89.1	85.4 - 91.9	-	-	
CA - Los Angeles	-	-		4,988	90.7	87.9 - 92.8	-	-	
Colorado	-	-		999	94.7	89.5 - 97.4*	-	-	
Connecticut	-	-		1,909	95.6	92.6 - 97.4*	-	-	
Delaware	-	-		1,349	83.0	76.8 - 87.7	-	-	
District of Columbia	-	-		1,934	90.6	86.5 - 93.5	-	-	
Florida	-	-		15,980	93.5	92.1 - 94.7	-	-	
Georgia	-	-		16,072	91.0	89.5 - 92.4	-	-	
Hawaii	-	-		163	94.9	83.0 - 98.5*	-	-	
Idaho	-	-		43	-		-	-	
Illinois	-	-		9,926	92.1	90.1 - 93.7	-	-	
Iowa	-	-		340	93.3	82.7 - 97.5*	-	-	
Kentucky	-	-		1,559	90.6	84.5 - 94.4	-	-	
Louisiana	-	-		8,288	93.3	90.8 - 95.2	-	-	
Maine	-	-		42	97.9	81.8 - 99.8*	-	-	
Maryland	-	-		10,303	94.1	92.0 - 95.7	-	-	
Michigan	-	-		8,045	89.7	87.5 - 91.6	-	-	
MI - Detroit	-	-		6,230	93.6	91.1 - 95.5	-	-	
Minnesota	-	-		1,010	95.9	91.6 - 98.0*	-	-	
Mississippi	-	-		6,231	89.8	87.2 - 91.9	-	-	
Missouri	-	-		3,198	89.5	86.0 - 92.1	-	-	
Montana	-	-		20	-		-	-	
Nebraska	-	-		429	97.5	77.9 - 99.7*	-	-	
Nevada	-	-		832	75.9	69.6 - 81.1	-	-	
New Hampshire	-	-		79	-		-	-	
New Jersey	-	-		7,564	93.6	91.7 - 95.1	-	-	
New Mexico	-	-		210	81.0	69.8 - 88.4	-	-	
New York	-	-		21,532	91.2	90.0 - 92.2	-	-	
North Carolina	-	-		12,520	93.1	91.3 - 94.6	-	-	
North Dakota	-	-		27	100.0		-	-	
Ohio	-	-		7,504	93.2	91.2 - 94.8	-	-	
Oklahoma	-	-		1,500	93.2	88.1 - 96.2	-	-	
Oregon	-	-		397	91.5	85.0 - 95.3*	-	-	
Pennsylvania	-	-		7,277	92.1	90.0 - 93.7	-	-	
Rhode Island	-	-		238	87.6	71.9 - 94.8	-	-	
South Carolina	-	-		7,767	92.0	89.6 - 93.8	-	-	
Tennessee	-	-		5,389	93.3	90.3 - 95.4	-	-	
Texas	-	-		13,160	90.8	89.1 - 92.3	-	-	
Utah	-	-		127	87.4	71.4 - 94.8	-	-	
Vermont	-	-		24	-		-	-	
Virginia	-	-		9,130	92.6	90.8 - 94.1	-	-	
Washington	-	-		1,281	89.5	84.7 - 92.9	-	-	
WA - Seattle	-	-		1,227	91.9	86.4 - 95.3	-	-	
West Virginia	-	-		422	93.4	82.9 - 97.5*	-	-	
Wisconsin	-	-		1,759	95.2	92.3 - 97.0	-	-	
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 2010-2016
Complete Method, Follow-Up Through 2016 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	-	-	-	1,963	91.0	89.2 - 92.5 *	-	-	-
Alabama	-	-	-	59	82.3	68.5 - 90.5 *	-	-	-
Alaska	-	-	-	-	-	-	-	-	-
Arizona	-	-	-	13	-	-	-	-	-
Arkansas	-	-	-	16	100.0	-	-	-	-
California	-	-	-	149	85.8	77.8 - 91.1 *	-	-	-
CA - Greater California	-	-	-	75	79.7	66.7 - 88.1 *	-	-	-
CA - Greater Bay Area	-	-	-	24	95.0	63.1 - 99.4 *	-	-	-
CA - Los Angeles	-	-	-	50	89.6	76.4 - 95.7 *	-	-	-
Colorado	-	-	-	16	-	-	-	-	-
Connecticut	-	-	-	23	89.9	62.8 - 97.6 *	-	-	-
Delaware	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	19	-	-	-	-	-
Florida	-	-	-	131	83.2	78.5 - 87.0	-	-	-
Georgia	-	-	-	140	88.3	79.1 - 93.6 *	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	-	-	-	79	93.5	77.5 - 98.2 *	-	-	-
Iowa	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	18	100.0	-	-	-	-
Louisiana	-	-	-	72	91.4	79.9 - 96.5 *	-	-	-
Maine	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	94	95.1	85.1 - 98.4 *	-	-	-
Michigan	-	-	-	66	86.5	73.7 - 93.3 *	-	-	-
MI - Detroit	-	-	-	52	88.5	75.3 - 94.9 *	-	-	-
Minnesota	-	-	-	19	94.6	66.1 - 99.2 *	-	-	-
Mississippi	-	-	-	50	91.3	75.4 - 97.1 *	-	-	-
Missouri	-	-	-	39	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	-	-	-	63	96.1	70.7 - 99.5 *	-	-	-
New Mexico	-	-	-	-	-	-	-	-	-
New York	-	-	-	197	93.2	87.6 - 96.3 *	-	-	-
North Carolina	-	-	-	127	87.1	77.1 - 92.9 *	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	63	83.5	69.8 - 91.3 *	-	-	-
Oklahoma	-	-	-	19	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-
Pennsylvania	-	-	-	78	93.7	84.5 - 97.6 *	-	-	-
Rhode Island	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	54	94.4	81.8 - 98.4 *	-	-	-
Tennessee	-	-	-	53	90.6	74.1 - 96.8 *	-	-	-
Texas	-	-	-	141	90.0	81.7 - 94.7 *	-	-	-
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	79	91.6	79.7 - 96.6 *	-	-	-
Washington	-	-	-	19	93.9	62.6 - 99.1 *	-	-	-
WA - Seattle	-	-	-	15	-	-	-	-	-
West Virginia	-	-	-	-	-	-	-	-	-
Wisconsin	-	-	-	21	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 2010-2016
Complete Method, Follow-Up Through 2016 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	27,052	63.7	62.7 - 64.6	18,184	66.9	65.7 - 68.1	8,868	56.9	55.3 - 58.4
Alabama	858	64.9	60.1 - 69.4	576	66.5	59.8 - 72.4	282	61.0	52.7 - 68.2
Alaska	16	-	-	12	-	-	-	-	-
Arizona	151	64.0	52.8 - 73.2*	97	63.2	48.6 - 74.6*	54	64.6	45.8 - 78.2*
Arkansas	275	62.9	55.1 - 69.8	192	66.6	56.7 - 74.7	83	51.8	37.6 - 64.3*
California	2,026	65.1	61.7 - 68.3	1,435	67.5	63.2 - 71.5	591	57.9	51.7 - 63.5
CA - Greater California	770	59.4	53.6 - 64.7	555	60.1	52.9 - 66.6	215	55.5	46.2 - 63.7
CA - Greater Bay Area	435	68.2	61.2 - 74.2	298	71.7	62.7 - 78.9	137	54.5	43.5 - 64.3*
CA - Los Angeles	822	65.9	60.0 - 71.2	583	68.4	61.0 - 74.6	239	57.9	47.3 - 67.0
Colorado	130	57.3	40.7 - 70.8*	105	61.4	43.3 - 75.2*	25	-	-
Connecticut	286	59.4	50.1 - 67.5*	192	62.0	50.1 - 71.8*	94	54.4	39.7 - 67.0*
Delaware	183	64.5	52.9 - 73.8	129	62.8	49.0 - 73.8	54	65.9	48.3 - 78.7*
District of Columbia	337	60.0	51.3 - 67.6	202	61.6	52.0 - 69.8	135	52.8	37.6 - 66.0*
Florida	1,659	64.3	60.6 - 67.9	1,150	68.1	63.4 - 72.3	509	54.4	47.8 - 60.4
Georgia	1,703	58.1	54.1 - 61.8	1,110	61.4	56.3 - 66.0	593	51.2	44.5 - 57.5
Hawaii	26	-	-	22	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,432	66.4	62.4 - 70.2	948	70.8	65.8 - 75.1	484	56.4	49.5 - 62.8
Iowa	49	42.8	23.3 - 60.9*	37	-	-	12	-	-
Kentucky	256	65.0	55.6 - 72.9	185	65.7	52.6 - 76.0	71	55.3	40.2 - 68.0*
Louisiana	983	63.7	58.4 - 68.5	660	69.8	62.9 - 75.6	323	52.0	43.6 - 59.7
Maine	11	-	-	-	-	-	-	-	-
Maryland	1,390	65.8	61.5 - 69.8	903	68.1	62.3 - 73.2	487	61.3	54.8 - 67.1
Michigan	1,159	59.1	54.2 - 63.7	771	61.8	55.4 - 67.6	388	53.2	45.5 - 60.3
MI - Detroit	862	61.6	56.3 - 66.5	565	65.7	59.0 - 71.6	297	54.4	45.7 - 62.2
Minnesota	142	61.5	49.0 - 71.8	102	59.1	42.5 - 72.4	40	59.2	38.3 - 75.1*
Mississippi	644	64.1	57.5 - 70.1	440	69.1	61.6 - 75.4	204	53.0	41.3 - 63.4*
Missouri	519	66.3	59.6 - 72.2	309	69.0	59.7 - 76.5	210	59.4	49.0 - 68.5
Montana	-	-	-	-	-	-	-	-	-
Nebraska	54	68.0	47.9 - 81.7*	33	-	-	21	-	-
Nevada	166	60.6	49.8 - 69.8*	114	56.3	43.9 - 66.9	52	55.6	34.7 - 72.2*
New Hampshire	12	-	-	-	-	-	-	-	-
New Jersey	985	59.2	53.9 - 64.1	652	61.6	55.0 - 67.5	333	50.0	40.8 - 58.5
New Mexico	30	-	-	23	-	-	-	-	-
New York	2,379	59.5	56.3 - 62.6	1,582	62.1	58.0 - 65.9	797	53.4	47.9 - 58.6
North Carolina	1,602	67.6	64.1 - 70.8	1,056	70.3	65.8 - 74.4	546	59.9	53.7 - 65.6
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,133	65.5	60.8 - 69.8	769	67.5	61.6 - 72.6	364	61.4	53.1 - 68.7
Oklahoma	202	72.8	62.2 - 80.9	135	75.3	59.3 - 85.8*	67	72.1	56.6 - 82.9
Oregon	54	53.2	35.0 - 68.5*	36	-	-	18	-	-
Pennsylvania	1,281	65.7	61.4 - 69.7	849	71.0	65.9 - 75.4	432	53.9	46.5 - 60.7
Rhode Island	32	-	-	23	-	-	-	-	-
South Carolina	854	61.8	56.4 - 66.7	540	65.2	57.9 - 71.5*	314	56.2	47.4 - 64.1
Tennessee	593	56.7	49.8 - 63.0	385	62.8	53.7 - 70.6	208	44.8	33.7 - 55.3*
Texas	1,697	58.3	54.5 - 62.0	1,182	60.1	55.3 - 64.6	515	52.4	46.0 - 58.4
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	1,266	61.3	56.6 - 65.6	868	63.9	57.7 - 69.5*	398	52.6	44.6 - 59.9
Washington	178	57.7	46.0 - 67.8*	133	57.3	44.0 - 68.6*	45	-	-
WA - Seattle	162	59.3	46.1 - 70.3*	119	60.3	45.1 - 72.5*	43	-	-
West Virginia	52	64.6	46.7 - 77.9*	40	-	-	12	-	-
Wisconsin	224	75.1	61.4 - 84.5	155	70.2	52.1 - 82.6	69	78.8	61.7 - 88.9*
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

Black

III-72 Survival – Urinary Bladder (incl. *in situ*)

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	44,680	71.8	71.0 - 72.7	26,849	71.1	69.9 - 72.3	17,831	73.2	72.1 - 74.4
Alabama	1,437	72.1	67.5 - 76.2	858	71.4	65.6 - 76.4	579	71.9	65.3 - 77.5
Alaska	16	-	-	-	-	-	-	-	-
Arizona	271	70.4	60.1 - 78.5	186	73.6	60.0 - 83.2	85	62.1	46.7 - 74.3
Arkansas	522	65.6	58.1 - 72.0	299	59.5	49.5 - 68.2	223	68.9	55.2 - 79.2
California	2,874	71.8	68.6 - 74.7	1,795	72.3	67.9 - 76.3	1,079	70.8	65.9 - 75.1
CA - Greater California	1,232	71.3	66.0 - 75.9	770	69.2	61.5 - 75.6	462	73.1	65.8 - 79.1
CA - Greater Bay Area	606	70.1	63.7 - 75.6	383	72.6	64.1 - 79.4	223	64.4	54.4 - 72.8
CA - Los Angeles	1,039	72.3	67.6 - 76.4	644	71.7	65.1 - 77.2	395	70.6	62.2 - 77.4
Colorado	222	71.4	59.7 - 80.2	151	77.0	65.9 - 84.8	71	71.8	56.0 - 82.7*
Connecticut	366	74.0	65.0 - 81.0	233	75.6	61.3 - 85.3	133	72.7	61.1 - 81.4
Delaware	249	63.7	52.9 - 72.6	158	65.3	51.2 - 76.3	91	69.5	50.8 - 82.2*
District of Columbia	416	65.5	57.7 - 72.2	248	64.0	54.2 - 72.3	168	69.6	59.1 - 78.0*
Florida	2,596	69.7	66.2 - 72.9	1,604	67.0	62.1 - 71.4	992	72.0	66.8 - 76.6
Georgia	3,091	70.2	66.9 - 73.3	1,828	67.4	62.1 - 72.0	1,263	73.2	68.4 - 77.3
Hawaii	18	88.5	59.5 - 97.2*	14	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	2,313	72.8	69.3 - 76.0	1,399	70.6	66.1 - 74.7	914	74.8	69.7 - 79.2
Iowa	113	60.7	41.8 - 75.1	60	63.7	42.1 - 79.1	53	-	-
Kentucky	515	68.6	59.3 - 76.1	308	61.6	48.5 - 72.4	207	74.5	61.4 - 83.6
Louisiana	1,879	69.7	65.8 - 73.3	1,091	68.7	62.7 - 73.9	788	70.8	65.3 - 75.7
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,899	77.1	73.4 - 80.4	1,098	74.0	69.0 - 78.3	801	79.4	74.2 - 83.7
Michigan	1,834	67.1	63.2 - 70.7	1,141	66.9	61.4 - 71.8	693	67.5	61.7 - 72.6
MI - Detroit	1,347	70.3	65.9 - 74.2	832	70.9	64.8 - 76.2	515	69.1	62.6 - 74.8
Minnesota	233	65.1	52.7 - 75.0	156	73.4	59.0 - 83.4*	77	66.6	48.8 - 79.5
Mississippi	1,479	69.5	65.1 - 73.5	833	66.9	59.4 - 73.3	646	70.8	64.8 - 76.0
Missouri	905	70.7	64.6 - 75.9	507	70.7	61.7 - 78.0	398	70.2	61.9 - 77.1
Montana	-	-	-	-	-	-	-	-	-
Nebraska	123	72.2	56.0 - 83.2	83	83.6	58.8 - 94.1*	40	-	-
Nevada	223	70.1	57.8 - 79.4	130	68.1	52.8 - 79.3	93	71.4	54.8 - 82.8
New Hampshire	12	-	-	10	-	-	-	-	-
New Jersey	1,363	73.1	68.5 - 77.2	827	72.5	66.2 - 77.8	536	72.8	65.7 - 78.7
New Mexico	44	-	-	31	-	-	13	-	-
New York	3,481	68.7	65.8 - 71.5	2,153	67.5	63.3 - 71.4	1,328	70.5	66.2 - 74.4
North Carolina	2,686	71.7	68.4 - 74.8	1,539	68.4	62.9 - 73.2	1,147	74.1	69.8 - 77.9
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,725	76.8	72.6 - 80.5	1,053	75.4	70.0 - 80.0	672	77.3	71.4 - 82.1
Oklahoma	336	69.0	56.6 - 78.6	203	76.2	63.1 - 85.2*	133	66.8	51.7 - 78.2
Oregon	92	67.6	50.2 - 80.1*	60	-	-	32	74.0	52.1 - 87.0*
Pennsylvania	1,966	72.2	68.2 - 75.7	1,183	72.4	66.1 - 77.7	783	71.4	65.8 - 76.2
Rhode Island	55	81.2	55.5 - 92.9*	35	-	-	20	-	-
South Carolina	1,540	66.9	62.1 - 71.3	928	67.8	61.2 - 73.5	612	65.9	58.9 - 72.0
Tennessee	1,311	70.3	65.0 - 75.0	725	70.6	62.5 - 77.3	586	69.4	62.3 - 75.5
Texas	3,548	71.9	68.7 - 74.8	2,114	68.0	63.3 - 72.2	1,434	75.9	71.6 - 79.7
Utah	21	-	-	17	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	2,058	74.1	69.7 - 78.0	1,245	75.3	70.1 - 79.8	813	71.5	65.0 - 77.1
Washington	299	67.8	57.4 - 76.2	198	70.6	57.6 - 80.2	101	60.2	44.0 - 73.0
WA - Seattle	280	70.4	59.6 - 78.9	183	73.1	59.0 - 83.0	97	76.9	61.9 - 86.6*
West Virginia	80	50.1	33.1 - 64.9	54	69.4	47.2 - 83.7*	26	-	-
Wisconsin	437	73.3	62.4 - 81.5	260	76.3	56.6 - 87.9	177	68.4	53.4 - 79.5
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 2010-2016
Complete Method, Follow-Up Through 2016 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	8,978	29.3	28.2 - 30.4	4,852	26.3	24.8 - 27.8	4,126	32.7	31.0 - 34.4
Alabama	306	22.9	17.6 - 28.6	163	19.8	12.3 - 28.6*	143	30.2	22.0 - 38.8
Alaska	-	-	-	-	-	-	-	-	-
Arizona	52	20.7	6.7 - 39.8 *	30	11.7	1.0 - 36.8 *	22	-	-
Arkansas	104	37.7	26.2 - 49.1 *	60	27.5	16.7 - 39.5	44	36.6	20.1 - 53.3 *
California	598	32.4	28.5 - 36.5	352	28.2	22.6 - 34.0*	246	35.4	28.5 - 42.4 *
CA - Greater California	256	31.8	25.2 - 38.6*	151	26.6	18.6 - 35.2*	105	39.1	28.1 - 49.9*
CA - Greater Bay Area	125	32.0	22.4 - 41.9*	74	30.9	18.6 - 44.1*	51	32.3	18.6 - 46.8*
CA - Los Angeles	217	30.0	22.9 - 37.5*	127	28.5	19.4 - 38.2*	90	32.3	21.3 - 43.8*
Colorado	35	-	-	21	-	-	14	-	-
Connecticut	86	20.1	10.4 - 32.0*	44	23.2	9.2 - 40.8 *	42	17.6	6.1 - 33.9 *
Delaware	41	33.4	16.4 - 51.4*	20	-	-	21	-	-
District of Columbia	89	29.2	20.7 - 38.2	50	26.6	17.1 - 37.0	39	40.6	22.8 - 57.8*
Florida	737	31.5	27.6 - 35.5	406	32.7	27.0 - 38.5*	331	33.0	26.9 - 39.2
Georgia	646	30.6	26.0 - 35.3*	320	28.3	21.8 - 35.1*	326	30.0	24.9 - 35.3
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	428	34.5	29.1 - 39.9*	230	30.9	23.8 - 38.3*	198	38.5	30.5 - 46.5*
Iowa	18	-	-	-	-	-	-	-	-
Kentucky	86	29.4	18.2 - 41.5*	50	25.1	11.3 - 41.6*	36	34.2	17.4 - 51.8*
Louisiana	281	24.9	18.7 - 31.5*	156	29.0	20.6 - 37.9*	125	18.7	10.2 - 29.1*
Maine	-	-	-	-	-	-	-	-	-
Maryland	401	29.0	23.5 - 34.8*	219	24.5	17.2 - 32.4*	182	34.3	26.3 - 42.5*
Michigan	319	24.2	18.6 - 30.1	163	17.8	11.6 - 25.0	156	36.2	25.3 - 47.2*
MI - Detroit	238	21.0	13.7 - 29.3*	118	15.0	7.1 - 25.6 *	120	28.7	17.5 - 40.9*
Minnesota	74	38.6	24.9 - 52.1*	43	32.3	16.4 - 49.4*	31	-	-
Mississippi	239	22.9	16.9 - 29.5	126	16.5	8.2 - 27.3 *	113	26.8	19.0 - 35.3
Missouri	144	26.3	17.1 - 36.4*	77	28.8	18.0 - 40.4*	67	22.5	9.3 - 39.3 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	18	-	-	-	-	-	11	-	-
Nevada	50	26.0	13.2 - 40.9*	26	11.2	2.0 - 29.4 *	24	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	327	27.3	22.3 - 32.6	178	25.7	18.6 - 33.3	149	35.1	25.7 - 44.6*
New Mexico	-	-	-	-	-	-	-	-	-
New York	823	28.4	24.9 - 32.0	455	26.3	21.7 - 31.2	368	30.9	26.0 - 35.9
North Carolina	533	31.6	26.9 - 36.3	269	28.0	22.0 - 34.4	264	35.3	28.5 - 42.2
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	333	29.5	23.0 - 36.3*	176	27.8	19.5 - 36.8*	157	31.8	22.0 - 42.1*
Oklahoma	68	29.1	16.2 - 43.3*	34	17.8	5.0 - 37.0 *	34	-	-
Oregon	23	-	-	12	-	-	11	-	-
Pennsylvania	342	29.4	23.7 - 35.3	206	29.4	21.3 - 38.0*	136	33.7	24.1 - 43.6
Rhode Island	13	-	-	-	-	-	-	-	-
South Carolina	297	28.4	22.8 - 34.2	151	22.3	14.5 - 31.3*	146	31.4	24.4 - 38.6
Tennessee	210	28.6	21.4 - 36.1*	120	23.8	15.2 - 33.5*	90	34.6	23.3 - 46.1*
Texas	706	32.5	28.5 - 36.5	365	32.1	27.1 - 37.3	341	35.4	28.6 - 42.1*
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	369	24.3	18.7 - 30.3*	198	23.3	16.0 - 31.5*	171	25.5	17.3 - 34.5*
Washington	57	27.6	17.9 - 38.2	36	25.8	11.3 - 43.2*	21	-	-
WA - Seattle	54	26.9	17.0 - 37.7	33	22.9	8.8 - 40.7 *	21	-	-
West Virginia	13	-	-	-	-	-	-	-	-
Wisconsin	72	38.7	23.7 - 53.5*	41	-	-	31	-	-
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

Black

III-74 Survival – Brain & Other Nervous System (invasive)

**Five Year Age-Standardized Relative Survival Ratios (RSR) for Cancers Diagnosed 2010-2016
Complete Method, Follow-Up Through 2016 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	30,877	87.2	86.5 - 87.8	8,991	83.4	82.1 - 84.7	21,886	88.7	88.0 - 89.4
Alabama	665	87.7	82.7 - 91.3	198	80.6	70.7 - 87.5	467	89.0	83.4 - 92.8
Alaska	18	-	-	-	-	-	13	-	-
Arizona	174	85.8	77.6 - 91.1	65	82.9	65.8 - 92.0	109	86.4	76.9 - 92.1
Arkansas	334	85.3	76.9 - 90.8	120	77.3	60.2 - 87.7	214	87.4	78.0 - 93.0
California	1,896	88.2	85.8 - 90.3	599	85.5	80.2 - 89.4	1,297	88.7	86.0 - 90.9
CA - Greater California	814	87.3	83.3 - 90.4	287	83.8	75.3 - 89.6	527	88.1	83.4 - 91.5
CA - Greater Bay Area	408	89.5	84.5 - 93.0	129	87.3	76.5 - 93.3	279	89.3	83.7 - 93.1
CA - Los Angeles	675	86.3	82.3 - 89.5	183	83.3	74.7 - 89.2	492	86.4	81.9 - 89.9
Colorado	207	86.0	75.2 - 92.3	70	84.6	71.3 - 92.0	137	83.3	68.8 - 91.5
Connecticut	231	86.2	78.7 - 91.2	70	84.7	67.6 - 93.2	161	86.2	77.2 - 91.8
Delaware	146	84.2	75.8 - 89.9	47	94.6	66.9 - 99.2*	99	81.0	70.8 - 87.9
District of Columbia	286	84.6	77.7 - 89.6	91	88.7	77.5 - 94.5	195	82.5	74.6 - 88.1
Florida	2,703	87.1	84.8 - 89.0	769	82.8	78.1 - 86.6	1,934	88.5	86.0 - 90.6
Georgia	2,405	86.2	83.9 - 88.3	671	79.0	73.7 - 83.4	1,734	88.3	85.8 - 90.4
Hawaii	13	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,450	89.9	87.2 - 92.0	386	85.9	79.9 - 90.3	1,064	90.7	87.8 - 93.0
Iowa	62	92.9	67.7 - 98.6*	15	-	-	47	92.4	61.5 - 98.7*
Kentucky	335	87.7	81.0 - 92.2	72	85.1	68.9 - 93.3	263	88.1	82.0 - 92.2
Louisiana	1,097	85.7	82.2 - 88.7	332	77.4	70.3 - 83.1	765	88.4	84.5 - 91.4
Maine	10	100.0	-	-	-	-	-	-	-
Maryland	1,337	85.8	82.6 - 88.4	391	82.0	74.8 - 87.4	946	86.7	83.0 - 89.6
Michigan	1,202	81.6	77.9 - 84.7	324	77.6	69.6 - 83.7	878	82.6	78.2 - 86.2
MI - Detroit	1,006	84.1	80.2 - 87.3	259	79.1	69.6 - 85.9	747	84.9	80.6 - 88.2
Minnesota	107	79.8	65.7 - 88.6	44	88.1	60.7 - 96.8*	63	74.6	63.8 - 82.7
Mississippi	735	87.4	83.2 - 90.6	208	80.7	70.3 - 87.8	527	89.1	84.7 - 92.3
Missouri	670	86.2	81.6 - 89.8	183	76.3	66.0 - 83.9	487	89.5	83.9 - 93.2
Montana	-	-	-	-	-	-	-	-	-
Nebraska	52	87.1	73.7 - 93.9	13	-	-	39	87.6	69.1 - 95.4*
Nevada	135	79.3	70.8 - 85.6	37	89.8	67.8 - 97.0*	98	71.9	62.9 - 79.0
New Hampshire	11	-	-	-	-	-	-	-	-
New Jersey	1,008	85.0	81.2 - 88.2	295	79.5	71.2 - 85.6	713	86.3	81.8 - 89.8
New Mexico	24	-	-	-	-	-	15	-	-
New York	2,816	84.9	82.6 - 86.9	828	75.4	69.9 - 80.0	1,988	88.4	86.1 - 90.3
North Carolina	1,836	87.9	85.3 - 90.1	536	83.6	77.7 - 88.1	1,300	88.6	85.6 - 91.0
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	972	85.4	81.6 - 88.4	282	77.7	69.8 - 83.7	690	87.2	83.1 - 90.4
Oklahoma	223	86.9	76.8 - 92.7	71	85.2	70.2 - 93.0*	152	87.3	75.9 - 93.5
Oregon	52	92.8	75.7 - 98.0	16	88.4	57.5 - 97.3*	36	97.8	77.0 - 99.8*
Pennsylvania	1,288	88.3	85.0 - 90.9	385	86.6	80.1 - 91.2	903	88.1	84.2 - 91.1
Rhode Island	44	-	-	17	-	-	27	-	-
South Carolina	1,073	87.5	83.9 - 90.3	267	79.3	71.4 - 85.2	806	89.4	85.2 - 92.4
Tennessee	845	86.7	82.1 - 90.2	260	79.6	69.0 - 87.0	585	88.8	84.3 - 92.1
Texas	2,660	86.4	84.0 - 88.5	741	82.9	78.2 - 86.8	1,919	87.3	84.6 - 89.7
Utah	18	-	-	-	-	-	11	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	1,035	87.6	84.0 - 90.4	327	87.2	81.3 - 91.3	708	87.1	82.7 - 90.5
Washington	283	86.2	78.9 - 91.1	105	80.8	70.4 - 87.9	178	88.2	78.0 - 93.9
WA - Seattle	271	85.7	78.0 - 90.9	101	81.3	69.7 - 88.8	170	88.5	78.4 - 94.0
West Virginia	47	-	-	21	-	-	26	-	-
Wisconsin	356	80.5	72.1 - 86.6	92	74.7	60.5 - 84.4	264	81.3	70.5 - 88.5
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 2010-2016
Complete Method, Follow-Up Through 2016 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	24,869	93.6	92.7 - 94.4	4,528	89.4	87.5 - 91.1	20,341	94.6	93.6 - 95.4
Alabama	584	90.3	83.8 - 94.3	106	85.9	70.9 - 93.5*	478	91.3	85.3 - 95.0
Alaska	16	100.0		-	-		11	100.0	
Arizona	201	93.5	79.6 - 98.1	42	89.3	62.3 - 97.3*	159	95.0	80.5 - 98.8
Arkansas	229	91.0	77.8 - 96.5	46	90.3	59.8 - 98.0*	183	90.6	77.6 - 96.2
California	1,362	91.8	88.7 - 94.0	298	84.0	72.5 - 90.9	1,064	92.7	89.4 - 95.1
CA - Greater California	581	88.6	81.8 - 92.9	131	81.0	64.3 - 90.5*	450	90.9	83.6 - 95.1
CA - Greater Bay Area	184	87.7	79.3 - 92.9	39	82.6	65.7 - 91.7*	145	89.6	79.1 - 95.0
CA - Los Angeles	597	93.0	89.1 - 95.6	128	86.5	72.6 - 93.7	469	93.1	88.2 - 96.0
Colorado	140	97.4	88.8 - 99.4*	31	90.2	63.9 - 97.6*	109	99.1	73.7 - *
Connecticut	314	88.3	79.5 - 93.4	59	87.8	75.9 - 94.0	255	89.7	78.3 - 95.3
Delaware	168	96.6	87.7 - 99.1*	31	93.9	73.4 - 98.7*	137	96.5	86.1 - 99.1*
District of Columbia	289	87.1	78.5 - 92.4	61	84.1	59.9 - 94.3*	228	88.9	80.9 - 93.7
Florida	1,698	93.0	89.5 - 95.4	302	89.6	80.1 - 94.7	1,396	93.3	89.8 - 95.6
Georgia	1,629	88.4	82.2 - 92.5	263	89.0	80.8 - 93.8*	1,366	88.0	81.3 - 92.4
Hawaii	-	-		-	-		-	-	
Idaho	-	-		-	-		-	-	
Illinois	1,111	95.6	92.6 - 97.4	204	91.5	85.1 - 95.2	907	95.5	92.0 - 97.5
Iowa	40	91.2	65.8 - 98.0*	-	-		32	87.0	59.2 - 96.3*
Kentucky	253	86.7	77.5 - 92.4	41	-		212	86.9	78.6 - 92.2
Louisiana	915	93.4	88.2 - 96.3	155	92.0	84.7 - 95.9	760	92.8	87.5 - 95.9
Maine	11	100.0		-	-		-	-	
Maryland	1,348	93.2	89.3 - 95.7	254	90.0	80.9 - 94.9	1,094	93.7	89.9 - 96.1
Michigan	922	89.0	83.7 - 92.6	177	80.5	69.4 - 87.9	745	90.1	84.6 - 93.8
MI - Detroit	754	91.5	85.5 - 95.0	145	84.5	70.8 - 92.1	609	91.6	84.9 - 95.4
Minnesota	175	92.6	79.9 - 97.4	35	91.1	73.7 - 97.2*	140	93.4	77.4 - 98.2
Mississippi	573	85.5	75.3 - 91.7	73	87.3	74.5 - 93.9*	500	86.4	74.8 - 92.9
Missouri	393	86.2	80.1 - 90.5	76	72.6	55.9 - 83.9	317	89.0	80.6 - 93.9
Montana	-	-		-	-		-	-	
Nebraska	53	94.7	81.2 - 98.6*	13	-		40	95.4	79.1 - 99.1*
Nevada	130	91.1	80.3 - 96.1*	25	-		105	92.3	79.6 - 97.3*
New Hampshire	-	-		-	-		-	-	
New Jersey	925	91.4	84.9 - 95.2	170	84.5	72.2 - 91.7*	755	95.3	92.1 - 97.2
New Mexico	26	88.5	65.1 - 96.6*	-	-		18	-	
New York	2,700	92.9	90.1 - 94.9	449	88.3	83.3 - 91.9	2,251	92.6	89.3 - 95.0
North Carolina	1,424	92.5	88.0 - 95.4	260	82.7	69.5 - 90.6	1,164	94.1	90.4 - 96.4
North Dakota	-	-		-	-		-	-	
Ohio	1,045	94.3	89.0 - 97.1	175	83.1	73.0 - 89.7	870	96.0	88.8 - 98.6
Oklahoma	159	85.2	69.7 - 93.1	32	-		127	91.1	72.9 - 97.3
Oregon	57	-		10	-		47	100.0	
Pennsylvania	1,372	96.6	92.9 - 98.4	245	91.2	84.4 - 95.1	1,127	96.5	91.5 - 98.6
Rhode Island	69	94.1	77.7 - 98.6*	20	-		49	98.4	75.0 - 99.9*
South Carolina	800	95.4	92.3 - 97.2	145	92.2	78.0 - 97.4*	655	96.1	90.9 - 98.4
Tennessee	536	88.8	78.4 - 94.4	92	73.7	64.1 - 81.1	444	92.8	77.7 - 97.8
Texas	1,769	92.3	87.9 - 95.1	342	86.7	76.4 - 92.7	1,427	91.7	87.0 - 94.7
Utah	18	100.0		-	-		14	100.0	
Vermont	-	-		-	-		-	-	
Virginia	953	93.7	87.8 - 96.8	171	90.0	80.1 - 95.1	782	93.2	85.4 - 96.9
Washington	155	98.0	92.1 - 99.5*	30	96.7	67.7 - 99.7*	125	98.2	91.1 - 99.7*
WA - Seattle	153	97.3	91.5 - 99.1*	29	96.6	66.3 - 99.7*	124	97.3	90.7 - 99.2*
West Virginia	50	-		16	-		34	-	
Wisconsin	224	87.4	70.2 - 95.0	43	91.7	71.7 - 97.8*	181	87.1	69.1 - 95.0
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 2010-2016
Complete Method, Follow-Up Through 2016 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	7,393	81.2	79.6 - 82.7	3,967	79.5	77.3 - 81.5	3,426	83.2	81.2 - 85.1
Alabama	201	83.9	75.2 - 89.8 *	113	76.2	66.1 - 83.7	88	82.9	67.1 - 91.6 *
Alaska	-	-	-	-	-	-	-	-	-
Arizona	71	65.5	55.0 - 74.2	44	-	-	27	83.3	59.3 - 93.8 *
Arkansas	90	79.6	65.1 - 88.6 *	55	71.3	51.4 - 84.2 *	35	94.1	77.7 - 98.5 *
California	436	74.1	68.4 - 78.9	243	73.8	63.0 - 81.9	193	75.9	70.0 - 80.8
CA - Greater California	183	70.0	60.3 - 77.7	108	72.5	59.6 - 82.0 *	75	68.3	56.5 - 77.6
CA - Greater Bay Area	99	89.8	78.7 - 95.3 *	60	85.9	68.8 - 94.0 *	39	94.8	79.8 - 98.8 *
CA - Los Angeles	154	73.0	65.3 - 79.3	75	69.8	57.2 - 79.3	79	77.3	67.5 - 84.5
Colorado	48	96.3	77.5 - 99.4 *	32	94.2	71.8 - 98.9 *	16	100.0	-
Connecticut	78	80.9	67.0 - 89.4 *	47	82.9	67.8 - 91.4 *	31	76.1	50.0 - 89.8 *
Delaware	44	93.6	79.9 - 98.1 *	25	92.2	71.4 - 98.1 *	19	95.0	67.0 - 99.3 *
District of Columbia	75	81.1	69.9 - 88.4	36	74.9	51.1 - 88.3 *	39	80.2	60.4 - 90.8 *
Florida	564	76.8	71.9 - 80.9	295	72.2	64.1 - 78.7	269	85.3	79.5 - 89.6 *
Georgia	560	78.4	73.0 - 82.8	293	80.4	73.7 - 85.6 *	267	79.3	72.6 - 84.5
Hawaii	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	364	76.7	72.1 - 80.6	207	75.6	68.9 - 81.1	157	85.9	77.6 - 91.4 *
Iowa	27	96.2	74.8 - 99.5 *	14	-	-	13	100.0	-
Kentucky	69	77.6	63.0 - 87.0 *	40	70.9	50.9 - 83.9 *	29	86.4	59.7 - 96.0 *
Louisiana	237	76.9	70.7 - 81.9	130	82.2	72.6 - 88.7 *	107	81.6	73.7 - 87.3
Maine	-	-	-	-	-	-	-	-	-
Maryland	343	83.7	76.7 - 88.8	185	83.9	72.2 - 91.0	158	88.9	79.8 - 94.0 *
Michigan	239	78.2	73.2 - 82.4	131	79.1	68.9 - 86.3 *	108	83.1	77.5 - 87.4
MI - Detroit	169	81.1	72.0 - 87.5 *	94	84.3	72.8 - 91.2 *	75	77.0	61.6 - 86.8 *
Minnesota	46	84.4	64.4 - 93.7 *	29	-	-	17	-	-
Mississippi	193	84.4	77.0 - 89.6 *	102	81.9	71.5 - 88.8 *	91	85.7	73.3 - 92.6 *
Missouri	138	83.2	72.6 - 90.0	70	92.1	75.4 - 97.6 *	68	83.0	66.6 - 91.8 *
Montana	-	-	-	-	-	-	-	-	-
Nebraska	20	-	-	-	-	-	17	-	-
Nevada	32	77.4	53.7 - 90.0 *	18	-	-	14	-	-
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	272	86.6	80.1 - 91.2	140	84.0	71.4 - 91.3 *	132	87.5	78.0 - 93.0
New Mexico	10	-	-	-	-	-	-	-	-
New York	760	82.9	78.4 - 86.5	391	80.4	74.6 - 85.0	369	85.4	79.4 - 89.8
North Carolina	391	82.5	76.2 - 87.3	199	79.4	67.6 - 87.3	192	88.4	80.9 - 93.1 *
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	257	83.5	76.3 - 88.6	133	83.8	74.2 - 90.1	124	85.7	75.1 - 92.0 *
Oklahoma	60	86.4	74.3 - 93.1 *	32	80.5	61.5 - 90.8 *	28	92.9	73.1 - 98.3 *
Oregon	14	-	-	10	100.0	-	-	-	-
Pennsylvania	302	82.1	74.6 - 87.6	158	78.7	67.4 - 86.4	144	82.6	76.9 - 87.0
Rhode Island	12	100.0	-	-	-	-	-	-	-
South Carolina	223	82.1	74.1 - 87.8 *	120	78.7	66.5 - 86.9 *	103	85.6	74.6 - 92.0 *
Tennessee	199	71.5	63.5 - 78.0	112	69.8	61.1 - 76.9	87	87.6	75.6 - 94.0 *
Texas	571	82.5	76.7 - 87.0	311	81.6	71.7 - 88.3	260	81.6	74.2 - 87.0
Utah	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	272	80.0	73.3 - 85.1	140	70.2	61.9 - 77.1	132	90.3	82.8 - 94.7 *
Washington	67	85.0	71.9 - 92.4 *	41	78.5	59.7 - 89.3 *	26	96.0	74.8 - 99.4 *
WA - Seattle	60	84.9	70.4 - 92.6 *	39	76.9	56.8 - 88.5 *	21	100.0	-
West Virginia	11	-	-	-	-	-	-	-	-
Wisconsin	73	88.9	75.0 - 95.3 *	35	94.4	77.3 - 98.7 *	38	82.1	59.1 - 92.9 *
Wyoming	-	-	-	-	-	-	-	-	-

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Complete Method, Follow-Up Through 2016 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	36,252	62.8	61.9 - 63.7	18,975	59.9	58.5 - 61.2	17,277	65.9	64.7 - 67.1
Alabama	997	56.0	50.0 - 61.6	512	51.7	42.7 - 60.0	485	58.4	50.5 - 65.5
Alaska	23	-	-	13	-	-	10	-	-
Arizona	194	54.0	40.6 - 65.6	123	55.8	36.2 - 71.4	71	59.3	40.1 - 74.2*
Arkansas	363	62.9	53.4 - 70.9	196	52.4	40.1 - 63.3	167	69.6	57.5 - 78.9
California	2,409	65.5	62.4 - 68.4	1,310	63.0	58.5 - 67.2	1,099	68.0	63.6 - 71.9
CA - Greater California	933	60.7	54.8 - 66.1	528	56.3	48.8 - 63.2	405	64.3	56.0 - 71.4
CA - Greater Bay Area	547	71.2	64.6 - 76.7	304	66.0	56.1 - 74.2	243	76.9	68.4 - 83.3
CA - Los Angeles	930	64.7	60.0 - 68.9	478	64.1	56.9 - 70.4	452	64.7	58.1 - 70.5
Colorado	189	68.4	51.6 - 80.4	110	82.4	69.0 - 90.4*	79	60.8	39.3 - 76.7
Connecticut	339	66.1	56.5 - 74.1	191	60.5	46.2 - 72.2	148	70.4	59.2 - 79.1
Delaware	201	69.1	59.9 - 76.6	109	66.6	50.6 - 78.4	92	70.2	55.4 - 80.9
District of Columbia	379	57.7	49.3 - 65.3	207	47.2	35.3 - 58.3	172	63.6	53.7 - 71.9
Florida	3,168	57.6	54.5 - 60.6	1,644	56.0	51.5 - 60.2	1,524	58.8	54.3 - 62.9
Georgia	2,747	62.7	59.0 - 66.1	1,489	57.2	51.6 - 62.4	1,258	67.5	62.6 - 71.9
Hawaii	20	-	-	14	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,646	64.6	60.5 - 68.4	846	60.1	53.8 - 65.8	800	67.8	62.3 - 72.7
Iowa	73	45.2	28.6 - 60.5	46	-	-	27	-	-
Kentucky	312	63.3	54.5 - 70.9	175	67.2	56.8 - 75.6*	137	59.5	47.0 - 70.0
Louisiana	1,366	57.0	52.3 - 61.5	731	53.8	46.5 - 60.6	635	59.8	53.1 - 65.8
Maine	12	-	-	10	-	-	-	-	-
Maryland	1,605	64.5	60.0 - 68.7	745	60.2	52.8 - 66.7	860	67.0	61.0 - 72.2
Michigan	1,387	62.4	57.6 - 66.8	718	55.9	49.2 - 62.0	669	67.8	61.1 - 73.7
MI - Detroit	1,043	62.3	56.8 - 67.3	530	53.5	46.4 - 60.1	513	67.3	59.3 - 74.1
Minnesota	215	69.0	57.0 - 78.4	129	66.6	50.3 - 78.7	86	70.2	52.6 - 82.3
Mississippi	870	56.4	50.2 - 62.1	437	54.7	45.4 - 63.0	433	58.0	50.1 - 65.2
Missouri	651	69.1	63.0 - 74.5	332	64.3	55.2 - 72.1	319	72.9	64.8 - 79.4
Montana	-	-	-	-	-	-	-	-	-
Nebraska	74	61.2	41.5 - 76.1	38	-	-	36	75.8	50.7 - 89.3*
Nevada	184	62.4	52.0 - 71.1*	109	55.1	41.3 - 66.9*	75	70.7	54.5 - 82.0*
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	1,194	57.7	52.8 - 62.3	596	57.6	50.1 - 64.4	598	57.6	51.2 - 63.5
New Mexico	31	-	-	21	-	-	10	-	-
New York	3,729	59.7	57.0 - 62.3	1,891	54.8	50.7 - 58.6	1,838	63.9	60.2 - 67.2
North Carolina	1,978	64.4	60.7 - 67.8	995	59.2	53.8 - 64.2	983	68.1	62.9 - 72.7
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,271	63.6	59.1 - 67.8	682	58.3	51.7 - 64.4	589	65.2	58.4 - 71.2
Oklahoma	231	63.1	50.2 - 73.5	123	63.8	50.4 - 74.5	108	62.9	47.0 - 75.1
Oregon	65	69.1	53.0 - 80.7	43	65.3	45.8 - 79.2*	22	86.6	60.7 - 95.9*
Pennsylvania	1,518	64.4	60.0 - 68.5	809	62.7	55.9 - 68.8	709	66.0	59.8 - 71.5
Rhode Island	51	-	-	32	-	-	19	-	-
South Carolina	1,052	61.8	56.7 - 66.4	558	59.3	51.5 - 66.2	494	62.1	55.7 - 67.9
Tennessee	893	60.3	54.4 - 65.7	453	57.7	48.5 - 65.8	440	62.6	54.8 - 69.4
Texas	2,659	64.7	61.3 - 67.9	1,392	60.6	55.6 - 65.2	1,267	67.1	62.1 - 71.6
Utah	26	-	-	12	-	-	14	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	1,463	62.2	57.9 - 66.1	772	56.9	50.6 - 62.6	691	67.2	61.4 - 72.2
Washington	269	67.0	56.6 - 75.4	156	64.5	52.2 - 74.5	113	67.3	51.9 - 78.8
WA - Seattle	248	69.5	58.6 - 78.1	148	68.9	57.2 - 78.0	100	65.9	49.1 - 78.3
West Virginia	64	59.6	44.0 - 72.1	37	-	-	27	-	-
Wisconsin	303	67.2	58.0 - 74.9	151	53.3	38.6 - 66.0	152	76.1	61.3 - 85.9
Wyoming	-	-	-	-	-	-	-	-	-

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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	32,907	53.5	52.6 - 54.3	16,310	52.2	50.9 - 53.5	16,597	54.8	53.6 - 55.9
Alabama	1,012	54.7	49.7 - 59.4	472	46.8	38.5 - 54.6	540	59.6	54.2 - 64.6
Alaska	15	-	-	-	-	-	-	-	-
Arizona	172	60.9	49.5 - 70.4	107	56.9	43.7 - 68.2*	65	74.4	51.8 - 87.6*
Arkansas	394	53.2	45.4 - 60.5	195	51.5	40.8 - 61.2	199	54.0	43.0 - 63.8
California	2,049	52.8	49.2 - 56.2	1,123	51.9	46.9 - 56.6	926	53.6	48.5 - 58.5
CA - Greater California	785	52.2	46.1 - 58.0	436	50.0	42.1 - 57.5	349	54.8	45.5 - 63.2
CA - Greater Bay Area	449	54.6	46.9 - 61.7	256	55.6	45.2 - 64.8	193	52.4	40.9 - 62.6
CA - Los Angeles	815	51.3	45.9 - 56.5	431	49.6	41.6 - 57.0	384	51.3	43.8 - 58.4
Colorado	154	57.9	44.6 - 69.0	97	68.0	52.3 - 79.5*	57	-	-
Connecticut	344	58.1	48.9 - 66.3	174	58.4	44.8 - 69.7	170	52.4	41.0 - 62.7
Delaware	195	49.4	38.4 - 59.5	107	53.2	38.2 - 66.2	88	39.6	25.6 - 53.3
District of Columbia	290	49.1	39.9 - 57.6	144	45.4	32.5 - 57.4	146	51.1	38.3 - 62.5
Florida	2,741	55.2	52.1 - 58.2	1,380	52.3	47.6 - 56.8	1,361	58.2	53.9 - 62.2
Georgia	2,601	55.1	51.9 - 58.3	1,234	54.3	49.6 - 58.8	1,367	55.4	50.9 - 59.6
Hawaii	17	-	-	12	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,496	58.0	53.9 - 61.9	725	57.8	51.5 - 63.5	771	57.4	52.1 - 62.4
Iowa	63	-	-	26	-	-	37	-	-
Kentucky	272	55.4	45.4 - 64.4	141	47.2	30.5 - 62.2	131	59.1	47.1 - 69.3
Louisiana	1,182	48.2	43.3 - 52.9	606	41.6	34.3 - 48.6	576	55.3	49.3 - 60.9
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,386	53.0	48.3 - 57.4	641	52.0	44.9 - 58.7	745	53.8	47.7 - 59.5
Michigan	1,208	50.9	46.5 - 55.1	611	50.2	44.0 - 56.0	597	51.9	45.9 - 57.6
MI - Detroit	956	49.6	44.7 - 54.3	473	50.1	42.9 - 56.9	483	48.3	41.5 - 54.8
Minnesota	135	57.4	44.4 - 68.4*	70	-	-	65	69.5	51.7 - 81.8*
Mississippi	878	44.7	39.9 - 49.4	409	43.1	35.6 - 50.3	469	45.1	38.7 - 51.2
Missouri	598	49.1	42.9 - 55.1	293	49.2	39.9 - 57.8	305	48.2	39.9 - 55.9
Montana	-	-	-	-	-	-	-	-	-
Nebraska	67	57.2	39.7 - 71.4*	34	-	-	33	-	-
Nevada	117	25.1	15.8 - 35.6	63	23.3	12.8 - 35.6	54	28.8	17.3 - 41.4
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	1,068	54.0	49.4 - 58.4	490	54.6	48.1 - 60.7	578	52.6	46.3 - 58.5
New Mexico	31	-	-	16	-	-	15	0.0	-
New York	3,322	55.0	52.4 - 57.6	1,615	51.3	47.2 - 55.2	1,707	58.3	54.7 - 61.8
North Carolina	2,043	54.8	51.2 - 58.2	1,016	56.1	51.1 - 60.9	1,027	52.9	48.0 - 57.5
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	1,070	54.8	50.0 - 59.3	536	51.0	43.6 - 57.8	534	56.3	49.9 - 62.2
Oklahoma	222	56.5	44.9 - 66.6*	113	50.3	37.1 - 62.1	109	57.7	43.6 - 69.4*
Oregon	45	66.3	45.3 - 80.8*	30	-	-	15	-	-
Pennsylvania	1,251	54.5	50.1 - 58.7	573	55.2	48.3 - 61.6	678	53.9	48.0 - 59.4
Rhode Island	47	-	-	25	-	-	22	-	-
South Carolina	1,305	48.9	44.5 - 53.2	636	48.5	42.1 - 54.7	669	48.7	42.7 - 54.3
Tennessee	830	49.8	43.5 - 55.8	406	47.3	39.0 - 55.1	424	49.7	41.3 - 57.6
Texas	2,466	52.4	49.2 - 55.5	1,225	49.7	45.0 - 54.2	1,241	54.7	50.4 - 58.9
Utah	22	-	-	16	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	1,226	50.4	45.9 - 54.7	625	48.6	42.0 - 54.9	601	52.1	46.0 - 57.8
Washington	185	54.4	43.5 - 64.2	106	52.2	37.9 - 64.7	79	56.4	41.0 - 69.2
WA - Seattle	164	58.6	47.2 - 68.4	91	56.6	40.7 - 69.8	73	60.6	45.3 - 72.9
West Virginia	62	-	-	33	-	-	29	-	-
Wisconsin	298	54.2	43.1 - 64.0	156	54.6	42.0 - 65.6	142	54.0	40.3 - 65.8
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 2010-2016
Complete Method, Follow-Up Through 2016 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	25,214	48.2	47.3 - 49.2	13,442	48.4	47.0 - 49.8	11,772	47.9	46.6 - 49.3
Alabama	684	48.4	42.5 - 53.9	367	48.8	40.2 - 56.9	317	48.0	40.5 - 55.1
Alaska	16	-	-	12	-	-	-	-	-
Arizona	115	46.0	34.2 - 57.0*	55	46.5	29.9 - 61.5*	60	45.5	29.3 - 60.4*
Arkansas	258	46.7	36.8 - 56.1	148	46.9	35.0 - 58.0	110	46.9	33.9 - 58.9
California	1,680	46.6	43.0 - 50.2	965	47.7	42.8 - 52.5	715	44.9	39.7 - 50.0
CA - Greater California	655	47.6	41.5 - 53.5	408	50.3	42.1 - 57.9	247	42.2	33.6 - 50.6
CA - Greater Bay Area	363	40.8	33.1 - 48.4	209	36.7	26.8 - 46.6	154	45.4	34.1 - 56.0
CA - Los Angeles	663	47.6	42.3 - 52.7	348	49.4	42.0 - 56.3	315	44.9	37.2 - 52.3
Colorado	120	58.8	44.5 - 70.6*	75	-	-	45	71.7	49.8 - 85.3*
Connecticut	242	42.0	34.8 - 49.1	120	43.0	33.3 - 52.3	122	39.8	29.8 - 49.6
Delaware	138	45.4	33.0 - 57.0	73	44.2	28.9 - 58.5	65	47.8	30.8 - 62.9*
District of Columbia	202	37.3	28.6 - 46.0	96	44.1	31.1 - 56.4*	106	38.4	26.9 - 49.8
Florida	2,287	51.5	48.2 - 54.7	1,220	51.3	46.8 - 55.6	1,067	51.6	47.0 - 56.0
Georgia	1,859	47.5	43.7 - 51.2	949	48.3	43.0 - 53.4	910	46.3	41.0 - 51.3
Hawaii	17	-	-	11	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-
Illinois	1,270	46.6	42.5 - 50.5	675	44.0	38.2 - 49.6	595	47.4	42.1 - 52.5
Iowa	56	68.9	47.2 - 83.1*	33	-	-	23	-	-
Kentucky	254	42.1	33.2 - 50.8	141	46.0	33.8 - 57.4*	113	42.1	29.1 - 54.6*
Louisiana	961	47.1	41.7 - 52.3	521	49.3	40.5 - 57.4	440	44.2	37.2 - 51.0
Maine	-	-	-	-	-	-	-	-	-
Maryland	1,095	48.6	44.0 - 53.1	559	46.3	39.7 - 52.6	536	50.0	43.4 - 56.2
Michigan	911	48.5	43.5 - 53.4	478	46.2	39.3 - 52.9	433	47.6	40.4 - 54.4
MI - Detroit	759	51.7	46.2 - 56.8	395	51.8	43.6 - 59.3	364	48.5	41.6 - 55.1
Minnesota	129	54.4	40.8 - 66.1	85	54.2	37.2 - 68.4	44	66.5	47.9 - 79.8*
Mississippi	675	42.1	36.2 - 47.9	381	43.8	35.9 - 51.4	294	37.8	29.7 - 45.8
Missouri	507	45.4	39.1 - 51.4	250	36.6	28.2 - 45.0	257	52.2	43.5 - 60.3
Montana	-	-	-	-	-	-	-	-	-
Nebraska	45	59.4	42.7 - 72.7*	25	-	-	20	-	-
Nevada	142	26.1	16.3 - 37.0	77	28.6	14.0 - 45.0	65	31.2	17.5 - 46.0*
New Hampshire	-	-	-	-	-	-	-	-	-
New Jersey	883	51.0	45.8 - 56.0	477	53.4	46.3 - 59.9	406	47.8	40.9 - 54.3
New Mexico	28	-	-	13	-	-	15	-	-
New York	2,420	45.1	42.1 - 48.1	1,252	43.4	39.2 - 47.6	1,168	46.1	41.8 - 50.3
North Carolina	1,441	49.7	45.7 - 53.6	774	49.4	43.5 - 55.0	667	49.5	43.8 - 54.9
North Dakota	-	-	-	-	-	-	-	-	-
Ohio	775	45.8	40.3 - 51.1	395	46.3	37.8 - 54.3	380	44.1	37.2 - 50.7
Oklahoma	199	49.1	37.0 - 60.2	110	50.1	32.9 - 65.1*	89	49.3	33.3 - 63.5*
Oregon	48	-	-	27	-	-	21	-	-
Pennsylvania	927	47.6	42.8 - 52.2	459	46.5	39.5 - 53.2	468	47.7	41.3 - 53.8
Rhode Island	36	-	-	21	-	-	15	-	-
South Carolina	815	48.7	43.8 - 53.3	430	50.3	43.7 - 56.6	385	47.4	40.9 - 53.6
Tennessee	620	48.2	42.2 - 53.9	309	49.5	40.7 - 57.7	311	45.5	37.9 - 52.9
Texas	1,931	50.1	46.2 - 53.8	1,054	48.6	43.1 - 53.9	877	50.4	44.9 - 55.6
Utah	11	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-
Virginia	883	44.1	39.5 - 48.7	481	45.2	38.6 - 51.5	402	42.6	36.1 - 48.8
Washington	176	46.4	34.2 - 57.7	112	47.2	37.8 - 56.1	64	-	-
WA - Seattle	172	44.1	31.0 - 56.4*	109	49.8	32.8 - 64.6*	63	-	-
West Virginia	64	32.3	15.6 - 50.4*	41	26.2	10.1 - 45.7*	23	-	-
Wisconsin	273	60.7	51.1 - 69.0	150	58.4	44.0 - 70.3	123	60.8	48.1 - 71.3
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 2010-2016
Complete Method, Follow-Up Through 2016 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	1,045	15.7	12.9 - 18.7	748	11.8	8.7 - 15.5	297	21.4	16.3 - 27.0
Alabama	28	5.7	0.5 - 21.2 *	19	0.0		-	-	
Alaska	-	-		-	-		-	-	
Arizona	-	-		-	-		-	-	
Arkansas	-	-		-	-		-	-	
California	87	14.9	6.9 - 25.7 *	70	13.2	5.4 - 24.3 *	17	-	
CA - Greater California	36	26.2	11.1 - 44.2 *	33	16.0	4.2 - 34.6 *	-	-	
CA - Greater Bay Area	19	0.0		13	0.0		-	-	
CA - Los Angeles	32	13.3	3.0 - 31.5 *	24	16.7	4.2 - 36.5 *	-	-	
Colorado	-	-		-	-		-	-	
Connecticut	-	-		-	-		-	-	
Delaware	-	-		-	-		-	-	
District of Columbia	12	-		-	-		-	-	
Florida	61	20.3	9.9 - 33.4 *	44	14.7	4.9 - 29.6 *	17	-	
Georgia	43	16.5	5.9 - 31.8 *	29	13.4	2.7 - 32.5 *	14	-	
Hawaii	-	-		-	-		-	-	
Idaho	-	-		-	-		-	-	
Illinois	42	16.8	6.2 - 31.9 *	32	8.2	1.4 - 23.0 *	10	-	
Iowa	-	-		-	-		-	-	
Kentucky	-	-		-	-		-	-	
Louisiana	85	11.2	3.9 - 22.6 *	58	-		27	16.1	3.2 - 38.1 *
Maine	-	-		-	-		-	-	
Maryland	43	13.6	3.7 - 29.9 *	28	0.0		15	-	
Michigan	34	40.2	22.0 - 57.8 *	22	-		12	-	
MI - Detroit	23	-		13	-		10	-	
Minnesota	-	-		-	-		-	-	
Mississippi	31	5.3	0.4 - 20.7 *	25	4.6	0.3 - 19.2 *	-	-	
Missouri	14	-		-	-		-	-	
Montana	-	-		-	-		-	-	
Nebraska	-	-		-	-		-	-	
Nevada	-	-		-	-		-	-	
New Hampshire	-	-		-	-		-	-	
New Jersey	45	16.2	5.0 - 33.1 *	29	10.7	0.9 - 34.5 *	16	-	
New Mexico	-	-		-	-		-	-	
New York	84	11.1	3.9 - 22.7 *	61	6.3	1.2 - 17.8 *	23	-	
North Carolina	46	0.0		26	-		20	0.0	
North Dakota	-	-		-	-		-	-	
Ohio	53	0.0		37	0.0		16	0.0	
Oklahoma	12	-		-	-		-	-	
Oregon	-	-		-	-		-	-	
Pennsylvania	40	22.6	8.1 - 41.4 *	27	-		13	-	
Rhode Island	-	-		-	-		-	-	
South Carolina	31	0.0		25	-		-	-	
Tennessee	16	-		-	-		-	-	
Texas	72	21.8	10.7 - 35.4 *	53	14.2	4.3 - 29.8 *	19	-	
Utah	-	-		-	-		-	-	
Vermont	-	-		-	-		-	-	
Virginia	74	6.6	1.4 - 17.9 *	58	9.9	2.1 - 25.1 *	16	0.0	
Washington	-	-		-	-		-	-	
WA - Seattle	-	-		-	-		-	-	
West Virginia	-	-		-	-		-	-	
Wisconsin	17	-		13	-		-	-	
Wyoming	-	-		-	-		-	-	

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