

Stomach cancer survival in the United States by race and stage (2001-2009): findings from the CONCORD-2 study

Journal:	Cancer
Manuscript ID	CNCR-17-0466.R1
Wiley - Manuscript type:	Supplement Article
Date Submitted by the Author:	16-May-2017
Complete List of Authors:	Jim, Melissa; Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion Pinheiro, Paulo; University of Nevada Las Vegas, Carreira, Helena; London School of Hygiene and Tropical Medicine Espey, David; Centers for Disease Control and Prevention, DCPC; Centers for Disease Control and Prevention, DCPC Wiggins, Chuck; University of New Mexico, New Mexico Tumor Registry Weir, H.K.; Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion
Keywords:	stomach cancer, gastric cancer, NPCR, SEER, cancer survival, population- based
	·

SCHOLARONE[™] Manuscripts

Cancer

St	tomach cancer survival in the United States by race and stage (2001-2009): findings from the
С	ONCORD-2 study
R	unning title: Stomach cancer survival in the U.S. by race and stage
Μ	lelissa A. Jim, MPH ¹
Pa	aulo S. Pinheiro, PhD ²
Η	elena Carreira, MSc ³
D	avid K. Espey, MD ⁴
С	harles L. Wiggins, PhD ⁵
Η	annah K Weir, PhD ¹
A	ffiliations:
1	Division of Cancer Prevention and Control, National Center for Chronic Disease Prevention and
	Health Promotion, Centers for Disease Control and Prevention, Atlanta, GA; mjim@cdc.gov
2	Epidemiology and Biostatistics, School of Community Health Sciences, University of Nevada Las
	Vegas, Las Vegas, NV; paulo.pinheiro@unlv.edu
3	Cancer Survival Group, Department of Non-Communicable Disease Epidemiology, London School
	of Hygiene and Tropical Medicine, London, United Kingdom; helena.carreira@lshtm.ac.uk
4	National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control
	and Prevention, Atlanta, GA; despey@cdc.gov
5	New Mexico Tumor Registry, University of New Mexico Comprehensive Cancer Center,
	Albuquerque, NM; cwiggins@salud.unm.edu
С	orresponding author:
Μ	lelissa A. Jim, MPH, Division of Cancer Prevention and Control, Centers for Disease Control and
Pı	revention, 1720 Louisiana Blvd NE, Suite 208, Albuquerque, NM 87120 (mjim@cdc.gov) (tel 404-

718-2602/fax 505-232-9910)

Stomach cancer survival in the U.S. by race and stage

Disclaimer

The findings and conclusions in this report are those of the authors and do not necessarily reflect the official position of the Centers for Disease Control and Prevention.

Precis:

Deaths from stomach cancer have declined over the last century. Our results indicate that survival is low but improving, and there were no meaningful differences in survival between blacks and whites when all 37 states were combined. Primary prevention through control of well-established risk factors could have the greatest impact on reducing the burden of stomach cancer.

Keywords:

stomach cancer, gastric cancer, CONCORD, population-based cancer survival, cancer registries, NPCR,

SEER

FUNDING SUPPORT: US Centers for Disease Control and Prevention (CDC; 12FED03123,

ACO12036).

CONFLICT OF INTEREST DISCLOSURES: None

Author Contributions:

Conceptualization: M Jim

Methodology: H Carreira

Software: H Carreira

Validation: H Carreira

Formal analysis: H Carreira

Investigation: H Carreira

Resources: H Carreira

Data curation: H Carreira

Cancer

Stomach cancer survival in the U.S. by race and stage

- Writing original draft: M Jim
- Writing review and editing: P Pinheiro, D Espey, C WIggins, H Weir
- Visualization: H Carreira
- Supervision: M Jim
- Project administration: H Weir
 - Funding acquisition: H Weir

Stomach cancer survival in the U.S. by race and stage

Abstract

Background: Stomach cancer was a leading cause of cancer-related deaths early in the twentieth century and has steadily declined over the last century in the United States. Even though incidence and death rates are now low, stomach cancer remains an important cause of morbidity and mortality in black, Asian and Pacific Islander, and American Indians and Alaska Native populations.

Methods: We used data from the CONCORD-2 study to analyze stomach cancer survival among males and females (15–99 years) diagnosed in 37 states covering 80% of the US population. We adjusted survival for background mortality using state- and race-specific (white and black) life tables, and agestandardized using International Cancer Survival Standard weights. We present net survival up to five years by race (all, black, and white) for 2001–2003 and 2004–2009 to account for changes in collecting SEER Summary Stage 2000.

Results: Almost one-third of stomach cancers were diagnosed at a distant stage in both whites and blacks. Overall survival increased between 2001-2003 and 2004-2009 (26.1% and 29.0% respectively) with no differences seen by race. 1-, 3-, and 5-year survival was 53.1%, 33.8% and 29.0%. Survival improved in the majority of states. Survival by stage was 64.0% (local), 28.2% (regional) and 5.3% (distant).

Conclusions: Our results indicate high fatality for stomach cancer, especially soon after diagnosis. Although improvements in stomach cancer survival were observed, survival remains relatively low for both blacks and whites. Primary prevention through control of well-established risk factors would be expected to have the greatest impact on further reducing deaths from stomach cancer.

Stomach cancer survival in the U.S. by race and stage

Introduction

Stomach cancer was a leading cancer cause of death early in the twentieth century in the United States (US).¹ Both incidence and death rates for the disease declined steadily over the course of the last century in many high-income countries worldwide including the US.² In the US, incidence and death rates are higher in blacks compared to whites.³ The causes of the decline are not fully understood but it has been postulated that the improved living conditions, the widespread use of refrigerators, the decreased consumption of salt- and smoked-preserved food, and the use of antibiotics that may eradicate *Helicobacter pylori* from the stomach mucosa, account for part of this decline.⁴ Even though incidence rates are now low in the US, stomach cancer remains an important cause of morbidity and mortality in blacks, Asians and Pacific Islanders (API), and American Indians and Alaska Natives (AI/AN) populations, with approximately 23,148 new cases and 11,261 new deaths from the disease expected in the US in 2013, representing approximately 1.5 percent of all malignant neoplasms.³

The molecular biology of stomach cancer is complex and varies by site and histology. It is classified into several subsites within the stomach: cardia (roughly the top inch of the stomach), fundus, body, distal (antrum and pylorus), and lesser or greater curvature.⁵ It is stratified into two major histologic types: diffuse and intestinal.⁴ The incidence of gastric cardia cancer has remained stable or increased and is significantly higher among whites than blacks and among males, especially among whites, where the male-to-female ratio was 5:1.^{5, 6} Cardia carcinomas are highest among White males and lowest among females of all racial groups.⁵ They have poorer prognosis because proximal tumors are more difficult to remove.^{7, 8} Non-cardia incidence rates among blacks, API, and AI/AN were twice and triple those among whites⁵ but the incidence is dropping.^{6, 9}

```
6
```

Stomach cancer survival in the U.S. by race and stage

Stage of disease at diagnosis is an important predictor of prognosis.¹⁰ As with most cancers, cases diagnosed at early stage have more favorable survival than cases identified at distant stage.¹¹ Stomach cancer symptomatology is non-specific and the vast majority of incident stomach cancer cases in the United States are diagnosed at distant stage.¹² For this reason, incidence and mortality rates are closely aligned.

Racial and ethnic differences in stomach cancer incidence and mortality rates have been well documented.^{5, 13, 14} Previous research has highlighted racial differences in survival within the US, with whites showing higher survival probabilities than blacks during 1988-2006.¹⁵ Differences in gastric cancer survival by country have also been observed.^{10, 15, 16, 17} The CONCORD-2 study established worldwide surveillance of cancer survival from 279 cancer registries in 67 countries with data from over 25 million persons diagnosed with cancer.¹⁷ The CONCORD-2 study showed that five-year age-standardized net survival from stomach cancer in the US was 29% in 2005-2009, having increased 7% since 1995-99.¹⁷ These estimates were calculated with combined data for all races and all stages. The objective of this paper was to use CONCORD-2 data to characterize black-white differences in stomach cancer survival in the US by state and by stage at diagnosis. This is the largest study to date, covering 80% of the US population, thus benchmarking survival just prior to the implementation of the Affordable Care Act from 2010.

Methods

Data Source

We used data from 37 state-wide cancer registries funded by either the CDC's National Program of Cancer Registries (denoted by the dark color net survival bar in Figure 1) or the National Cancer Institute's Surveillance, Epidemiology, and End Results (SEER) program (denoted by the pale color net

Cancer

Stomach cancer survival in the U.S. by race and stage

survival in Figure 1), or both (denoted by * in Figure 1).¹⁸ These registries participated in the CONCORD-2 study, ¹⁷ covered approximately 80% of the US population, and consented to inclusion of their data in the more detailed analyses reported here. We analyzed individual tumor records for adults (15-99 years) who were diagnosed with primary, invasive cancer of the stomach (*International Classification of Diseases for Oncology* (ICD-O): ¹⁹ C16.0-C16.6; C16.8-C16.9) during 2001-2009 and followed up to December 31, 2009. We included stomach cancers, regardless of whether the person had a previous cancer. If a person was diagnosed with two or more cancers of the stomach during 2001 through 2009, only the first was considered in the survival analyses.

Patients were grouped by year of diagnosis into two calendar periods (2001-2003 and 2004-2009) to reflect changes in the methods used by US registries to collect data on stage at diagnosis. From 2001, most cancer registries coded stage directly from the source data to SEER Summary Stage 2000 (SS2000).²⁰ From 2004, all registries began to derive SS2000 using the Collaborative Stage System.²¹

Statistical Analyses

We estimated net survival up to 5 years after diagnosis, with 95% confidence intervals (CI), using the Pohar Perme estimator.²² We analyzed survival by black and white race, stage at diagnosis, calendar period of diagnosis, and state. Net survival is the probability of survival up to a given time since diagnosis, after controlling for other causes of death (background mortality). To control for wide differences in background mortality among participating states, we constructed life tables of all-cause mortality in the general population of each state from the number of deaths and the population, by single year of age, calendar year and race (black, white), using a flexible Poisson model.²³ The life tables have been published.²⁴

Stomach cancer survival in the U.S. by race and stage

We estimated net survival using the cohort approach for patients diagnosed in 2001-2003, since all patients had been followed up for at least five years by December 31, 2009. We used the complete approach to estimate net survival for patients diagnosed from 2004-2009, because five years of follow-up data were not available for all patients. Net survival was estimated for five age-groups (15-44, 45-54, 55-64, 65-74, 75-99 years). We obtained age-standardized survival estimates using the International Cancer Survival Standard (ICSS) weights.²⁵ If two or more of the five age-specific estimates could not be obtained, we present only the pooled, unstandardized survival estimate for all ages combined.

Trends, geographic variations and differences in age-standardized survival by race are presented graphically in bar-charts and funnel plots.²⁶ Funnel plots are graphical representations designed to detect excessive variation in performance indicators by simple visual inspection of the data.²⁷ A funnel plot comprises four elements²⁶: the target (or reference) value for the outcome, a set of control limits (the funnel), data points for the outcome variable (indicator) and the associated precision parameter for each data point. Data points outside the control limits (the funnel) indicate variation in the indicator beyond what would be expected by chance, while taking account of precision.²⁷ Funnel plots of net survival for 2001-2003 and 2004-2009 provide insight into the variability of cancer survival in the US by race and state. They show how much a particular survival estimate deviates from the pooled estimate of US registries (horizontal line) given the precision of each estimate.

More details on data and methods are provided in the accompanying article by Allemani et al. 2017.²⁸

Results

We present the overall results for stomach cancer in the participating 37 registries in Tables 1, 2, and 3. Results by state are presented in Supplementary Tables 1, 2 and 3. A total of 150,700 stomach cancer cases were diagnosed in the study population between 2001 and 2009: 76.2% were diagnosed in whites

Stomach cancer survival in the U.S. by race and stage

and 15.4% were diagnosed in blacks (**Table 1**). Overall for 2004-2009, 30.8% of cases were distant stage, 28.8% were regional, 24.9% were localized, and the remaining cases (15.4%) were of unknown stage. Differences in proportions of each stage by race in 2004-2009 were 1% or less. Case counts by state over the 9-year period, shown in **Supplementary table 1**, ranged from a minimum of 227 (Wyoming) to a maximum of 23,247 (California).

The absolute change in five-year age-standardized net survival across between 2001-2003 and 2004-2009 by geographic region and state are shown in **Figure 1**. For all states combined, there was an increase of 2.9% in five-year net survival between these two periods. Although a net favorable difference between 2001-2003 and 2004-2009 was observed, the combined 37-state five-year net survival was low for both periods (26.1% and 29.0% respectively) (**Figure 1**). For 29 of the states, survival increased between the two periods.

Overall 1-, 3-, and 5-year survival in 2004-2009 was 53.1%, 33.8% and 29.0%, demonstrating high mortality for stomach cancer, especially soon after diagnosis (**Table 2**). There were no meaningful differences in survival between blacks and whites when all 37 states were combined. Some states showed substantial in-state differences between blacks and whites; however, there were no discernible geographical patterns to the differences (**Supplementary Table 2**). Five-year net survival improvement by race from the first to second period was 3.1 percent points for whites and 2.2 for blacks resulting in a slight deviation in survival between groups over time. The deviation seen at five-year net survival between whites and blacks indicate that there could be no differences in short-term survival but differences between races could widen over time.

Stomach cancer survival in the U.S. by race and stage

Five-year net survival by stage (**Table 3**) for 2004-2009 was 64.0%, 28.2% and 5.3% for localized, regional and distant stages, respectively. Improvements in five-year net survival by stage of diagnosis were observed between the two periods for both whites and blacks. At the localized stage, there were no racial differences in survival, and increases of 3.0% were seen for both races. At the regional stage, survival increased by 3.4% among whites, but only by 1.3% among blacks. At the distant stage, the increase between the two periods was 0.5% for whites and 1.0% for blacks. While blacks experienced lower survival than whites when diagnosed at the regional stage, this is not the case at the distant stage, where whites experienced lower survival than blacks. Five-year survival was uniformly low across all states (**Supplementary table 3**).

Funnel plots were used to show state- and race-specific 5-year age-standardized stomach cancer survival in relation to the precision of the survival estimate. The pooled (US) survival estimates for each calendar period (26.1% and 29.0%, respectively) are shown by the horizontal (solid) line in **Figure 2**. The 95.0% and 99.8% control limits (dotted lines) show the precision of the US estimate if the US estimate was based on varying case counts. Five-year age-standardized net survival was similar for whites (open circles) and blacks (closed circles) for 2001-2003. For the 2004-2009 period, similar patterns were observed although the aggregates tended to be less clustered, with larger survival differences especially among white populations in more populous states (right side of the figure). The pooled net survival did improve slightly between 2001-2003 and 2004-2009, as shown by the solid lines. There appears to be no overall difference in stomach cancer survival between whites and blacks.

Discussion

Stomach cancer incidence and mortality have been falling in the US for decades.² Yet despite these favorable trends, survival has remained poor.^{4, 11, 29} This study provides the most comprehensive and

Stomach cancer survival in the U.S. by race and stage

current profile of stomach cancer survival patterns in the US, which may be useful to public health and medical communities focused on stomach cancer research and control efforts. Our findings suggest that there has only been very modest improvement in stomach cancer survival in recent years. Furthermore, unlike for other cancers included in the CONCORD-2 study, we did not observe a difference in survival or stage at diagnosis between whites and blacks. Unfortunately, examination of gender, anatomic subsite, and histology were outside the scope of this report, and this may partly explain the lack of survival disparity observed between blacks and whites.

Incidence and mortality trends for stomach cancer can inform whether modest improvements in stomach cancer represent true progress. Racial and ethnic differences in the incidence and mortality for stomach cancer exist, with rates greater in males than females.^{14, 30} United States Cancer Statistics estimates that incidence rates are 1.7 times higher in blacks than whites and mortality rates are 2.0 times higher in blacks than in whites.³ SEER data show that the stomach cancer burden in the population has been decreasing in the US.^{14, 31} The National Center for Health Statistics mortality trend from 1984 to 2008 consistently declined by 30-40% in all racial or race-sex groups, with differences in mortality getting smaller.³¹ SEER incidence trends from 1974-1978 to 2004-2008 showed a steady decline in all racial or race-sex groups that was consistent with the decline in mortality.³¹ An increased incidence among young white populations in the US has also been observed in SEER data⁹ but requires further exploration. The reductions in death rates from stomach cancer parallel a reduction in incidence rates and suggests true progress in the primary prevention of stomach cancer.

Previous studies indicated that the decreases in stomach cancer incidence in the US may be attributed to declines in the distal (non-cardia) and intestinal type tumors.^{5, 32} The intestinal type at non-cardia sites is often found in males and older adults and the declining rates could be due to decreases in *H. pylori*

Stomach cancer survival in the U.S. by race and stage

infection during childhood and the use of refrigeration to preserve foods instead of salt.^{4, 7, 9, 33} The higher rates of non-cardia carcinoma in blacks may reflect higher rates of *H. pylori* in this population.³⁰ The proximal, diffuse type tumors occur in all age groups and have been increasing in both males and females.^{32, 33} The diffuse type was consistently higher among blacks than whites.⁵ The diffuse type is harder to detect early, which results in poorer prognosis.³² If diffuse tumors increase as a proportion of the total tumors then it is possible that overall survival for gastric cancer will decrease.

We examined the distribution of tumors by subsite. For all participating states combined, the distribution of cardia and non-cardia sites was 33.8% and 46.2% respectively for whites and 11.5% and 62.1% respectively for blacks (data not shown). Based on these distributions, it is likely that racial differences exist but are being masked by not examining survival by anatomic subsite.

Despite stomach cancer's poor prognosis, the increases in overall survival for all stages between the two periods are positive, especially given that there was an increase in the proportion of the worse prognosis types – cardia and diffuse – in the total pool of stomach cancer cases. The improvement in survival for each stage could be due to better therapy regimens or more access to appropriate treatment.^{10, 34, 35}

Some common risk factors for both cardia and non-cardia carcinoma of the stomach include alcohol consumption, foods preserved by salting, older age, male gender, tobacco smoking, race, family history, low physical activity, low fiber intake, and radiation.^{4, 33} Risk factors associated with cardia carcinomas include obesity and gastroesophageal reflux disease (GERD).^{4, 33} In 2011-2014, the prevalence of obesity among adults was just over 36% in adults and 17% in youth, and higher among females than males.³⁶ From 1999-2000 through 2013-2014, a significant increase in obesity was observed in both adults and youth.³⁶ With obesity on the rise and cardia tumors likely to increase with their worse

Page 13 of 34

Cancer

Stomach cancer survival in the U.S. by race and stage

prognosis, the future burden of stomach cancer may increase.^{37, 38} Risk factors associated with noncardia carcinomas include infection with *H. pylori*, low socioeconomic status, consumption of processed meat, high intake of salty and smoked food, and low consumption of fruits and vegetables.^{4, 33, 39-42}

Overall in our study we observed an increase in survival between 2001-2003 and 2004-2009. The increase in survival that is observed could be related to the increase in locally staged cancers, however the bulk of stomach cancers are diagnosed in distant stage, and that proportion is increasing according to data in **Table 1**, at the expense of regional and unknown stages. The increase in locally staged cancer could be related to heightened awareness in the clinical community. More studies are needed to understand why survival is increasing despite the absence of improving stage distribution and decreasing trend for sub-categories of good prognosis.

Clinical Perspective

Stomach cancer symptomology is non-specific and as a result most patients often present at an advanced stage. Diagnosis is by endoscopy and biopsy and CT scans of the chest, abdomen and pelvis are required to determine stage at diagnosis.⁴³ Adjuvant chemotherapy and chemoradiotherapy after resection of stomach cancer offers survival benefits but the discrepancies between surgical technique and type of adjuvant chemotherapy used in clinical trials and survival probabilities has resulted in different adjuvant treatment protocols.³⁴ The major challenge for clinicians is treatment sequence.³⁴ New studies are needed to determine the best therapy. More effective therapy is needed as evidenced by the poor survival seen in our analyses.

Cancer Control Perspective

Stomach cancer survival in the U.S. by race and stage

Given the low stomach cancer survival observed in all states, cancer control efforts directed at primary prevention through control of well-established risk factors, such as smoking, maintaining a healthy weight, being physically active, eating a healthy diet (avoiding processed meat, and limiting salt intake), and limiting alcohol consumption may have an impact on reducing the burden of stomach cancer.^{4, 33} Currently, there is inadequate evidence to support screening for stomach cancer.

Strengths and Limitations

Several limitations could impact the interpretation of the findings. First NPCR registries that participated in the CONCORD-2 study conducted linkage with their state vital records to obtain information on deaths that occurred within their state and with the CDC's National Death Index to obtain information for deaths that occurred anywhere in the United States. Reliance on deaths reported by state vital records or the National Death Index may miss deaths that occur in patients who leave the United States between the time of their diagnosis and death. Therefore, survival estimates for whites in Figure 2 in the states shown above the upper limit of the US survival estimate in the second calendar period may need to be interpreted with caution because of issues related to follow-up. Missing deaths especially for foreignborn blacks as well as for Hispanic whites, can impact the estimates.^{28, 44-46} Second, the manner in which SEER Summary Stage 2000 data were collected and reported changed for all registries in 2004.¹⁷ The impact of this change was most evident among NPCR-funded registries, where the percentage of cases with unknown stage decreased slightly beginning around 2004. Third, in addition to stage, stomach cancer survival is dependent upon anatomical site (cardia vs non-cardia) and histological type. Cancers located in the cardia or cancers of the diffuse Lauren histological type have a worse prognosis than noncardia and intestinal types, respectively. Moreover, the proportion of cardia tumors is higher among

Cancer

Stomach cancer survival in the U.S. by race and stage

white than black populations as indicated in our examination of the distribution of tumors by sub-site. In this study, survival by these tumor features were not analyzed; thus, comparisons across race require further study. Fourth, stomach cancer survival was not analyzed by sex for this paper, even though evidence does show that women are reported to have better survival from stomach cancer than men.^{16, 47} Lastly, analyses of net survival by race were restricted to whites and blacks, the two major racial groups in the United States, because life tables for other races and Hispanics were not available.

Conclusions

Our results indicate that stomach cancer survival is low but appears to be increasing and is similar to the survival pattern seen in Europe.²⁹ We did not see an apparent survival difference between blacks and whites but there appears to be a slight divergence between the groups over time. Primary prevention through control of well-established risk factors may be the most impactful action at this time.

1

2 3 16

Stomach cancer survival in the U.S. by race and stage

1. Wingo PA, Cardinez CJ, Landis SH, et al. Long-term trends in cancer mortality in the United States, 1930-1998. 4 5 Cancer. 2003;97: 3133-3275. 6 2. Howson CP, Hiyama T, Wynder EL. The decline in gastric cancer: epidemiology of an unplanned triumph. 7 Epidemiol Rev. 1986;8: 1-27. 8 3. U.S. Cancer Statistics Working Group. United States Cancer Statistics: 1999–2013 Incidence and Mortality 9 Web-based Report. Atlanta: U.S. Department of Health and Human Services, Centers for Disease Control and 10 Prevention and National Cancer Institute; 2016. Available at: www.cdc.gov/uscs. 11 4. Karimi P, Islami F, Anandasabapathy S, Freedman ND, Kamangar F. Gastric cancer: descriptive epidemiology, 12 13 risk factors, screening, and prevention. Cancer Epidemiol Biomarkers Prev. 2014;23: 700-713. 14 5. Wu H, Rusiecki JA, Zhu K, Potter J, Devesa SS. Stomach carcinoma incidence patterns in the United States by 15 histologic type and anatomic site. Cancer Epidemiol Biomarkers Prev. 2009;18: 1945-1952. 16 6. Wayman J, Forman D, Griffin SM. Monitoring the changing pattern of esophago-gastric cancer: data from a UK 17 regional cancer registry. Cancer Causes Control. 2001;12: 943-949. 18 7. Hohenberger P, Gretschel S. Gastric cancer. Lancet. 2003;362: 305-315. 19 8. Mitry E, Rachet B, Quinn MJ, Cooper N, Coleman MP. Survival from cancer of the stomach in England and 20 21 Wales up to 2001. Br J Cancer. 2008;99 Suppl 1: S16-18. 22 9. Anderson WF, Camargo MC, Fraumeni JF, Jr., Correa P, Rosenberg PS, Rabkin CS. Age-specific trends in 23 incidence of noncardia gastric cancer in US adults. JAMA. 2010;303: 1723-1728. 24 10. Verdecchia A, Mariotto A, Gatta G, Bustamante-Teixeira MT, Ajiki W. Comparison of stomach cancer 25 incidence and survival in four continents. Eur J Cancer. 2003;39: 1603-1609. 26 11. Coleman MP, Quaresma M, Berrino F, et al. Cancer survival in five continents: a worldwide population-based 27 study (CONCORD). Lancet Oncol. 2008;9: 730-756. 28 29 12. Howlader N NA, Krapcho M, Miller D, Bishop K, Altekruse SF, Kosary CL, Yu M, Ruhl J, Tatalovich Z, Mariotto 30 A, Lewis DR, Chen HS, Feuer EJ, Cronin KA (eds). SEER Cancer Statistics Review, 1975-2013, National Cancer 31 Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975 2013/, based on November 2015 SEER data 32 submission, posted to the SEER web site, April 2016.2016. 33 13. Wiggins CL, Perdue DG, Henderson JA, et al. Gastric cancer among American Indians and Alaska Natives in 34 the United States, 1999-2004. Cancer. 2008;113: 1225-1233. 35 36 14. Howlader N NA, Krapcho M, Garshell J, Miller D, Altekruse SF, Kosary CL, Yu M, Ruhl J, Tatalovich Z, Mariotto 37 A, Lewis DR, Chen HS, Feuer EJ, Cronin KA (eds). SEER Cancer Statistics Review, 1975-2012. National Cancer 38 Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975 2012/, based on November 2014 SEER data 39 submission, posted to the SEER web site, April 2015.2015. 40 15. Kim J, Sun CL, Mailey B, et al. Race and ethnicity correlate with survival in patients with gastric 41 adenocarcinoma. Ann Oncol. 2010;21: 152-160. 42 16. Faivre J, Forman D, Esteve J, Gatta G. Survival of patients with oesophageal and gastric cancers in Europe. 43 44 EUROCARE Working Group. Eur J Cancer. 1998;34: 2167-2175. 45 17. Allemani C, Weir HK, Carreira H, et al. Global surveillance of cancer survival 1995-2009: analysis of individual 46 data for 25,676,887 patients from 279 population-based registries in 67 countries (CONCORD-2). Lancet. 47 2015;385: 977-1010. 48 18. White MC, Babcock, F, Hayes, N.C., et al. The Evolution of Cancer Registry Data and Public Health Cancer 49 Control Programs in the United States. Cancer. In press as part of CONCORD-2 survival supplement. 50 19. Fritz A, Percy C, Jack A. International classification of diseases of oncology, Third Edition. Geneva, 51 52 Switzerland: World Health Organization, 2000. 53 20. Young JL RS, Ries LAG, Fritz AG, Hurlbut AA. SEER Summary Staging Manual - 2000: Codes and Coding 54 Instructions. NIH Pub. No. 01-4969. Bethesda, MD: National Cancer Institute;2001. 55 21. Surveillance Epidemiology and End Results program. Collaborative Stage. Bethesda, MD: National Cancer 56 Institute, 2004. http://seer.cancer.gov/tools/collabstaging/ (accessed 1 April 2016). 57 22. Perme MP, Stare J, Esteve J. On estimation in relative survival. Biometrics. 2012;68: 113-120. 58 59 60

2 3

4

5 6

7

- 23. Rachet B, Maringe C, Woods LM, Ellis L, Spika D, Allemani C. Multivariable flexible modelling for estimating complete, smoothed life tables for sub-national populations. BMC Public Health. 2015;15: 1240.
- 24. Spika D RB, Bannon F, Woods LM, Maringe C, Bonaventure A, Coleman MP, Allemani C. Life tables for the CONCORD-2 study. London: CONCORD Central Analytic Team, 2015. http://csg.lshtm.ac.uk/tools-analysis/life-8 tables/ (accessed 1 April 2016).
- 9 25. Corazziari I, Quinn M, Capocaccia R. Standard cancer patient population for age standardising survival ratios. 10 Eur J Cancer. 2004;40: 2307-2316. 11
- 26. Quaresma M, Coleman MP, Rachet B. Funnel plots for population-based cancer survival: principles, methods 12 13 and applications. Stat Med. 2014;33: 1070-1080.
- 14 27. Spiegelhalter DJ. Funnel plots for comparing institutional performance. Stat Med. 2005;24: 1185-1202.
- 15 28. Allemani C HR, Johnson CJ, et al. Population-based cancer survival in the U.S.: data, quality control and 16 statistical methods. Cancer. In press as part of CONCORD-2 survival supplement.
- 17 29. Anderson LA, Tavilla A, Brenner H, et al. Survival for oesophageal, stomach and small intestine cancers in 18 Europe 1999-2007: results from EUROCARE-5. Eur J Cancer. 2015. 19
- 30. DeSantis CE, Siegel RL, Sauer AG, et al. Cancer statistics for African Americans, 2016: Progress and 20 21 opportunities in reducing racial disparities. CA Cancer J Clin. 2016.
- 22 31. Fu WJ. Racial-Sex Disparities-A Challenging Battle Against Cancer Mortality in the USA. J Racial Ethn Health 23 Disparities. 2015;2: 158-166.
- 24 32. Henson DE, Dittus C, Younes M, Nguyen H, Albores-Saavedra J. Differential trends in the intestinal and 25 diffuse types of gastric carcinoma in the United States, 1973-2000: increase in the signet ring cell type. Arch 26 Pathol Lab Med. 2004;128: 765-770. 27
- 33. World Cancer Research Fund International/American Institute for Cancer Research. Continuous Update 28 29 Project Report: Diet, Nutrition, Physical Activity and Stomach Cancer. 2016. Available at: wcrf.org/stomach-30 cancer-2016.
- 31 34. Kilic L, Ordu C, Yildiz I, et al. Current adjuvant treatment modalities for gastric cancer: From history to the 32 future. World J Gastrointest Oncol. 2016;8: 439-449. 33
- 35. Kim Y, Ejaz A, Spolverato G, et al. Conditional survival after surgical resection of gastric cancer: a multi-34 institutional analysis of the us gastric cancer collaborative. Ann Surg Oncol. 2015;22: 557-564. 35
- 36 36. Ogden CL, Carroll MD, Fryar CD, Flegal KM. Prevalence of Obesity Among Adults and Youth: United States, 37 2011-2014. NCHS Data Brief. 2015: 1-8.
- 38 37. Lindblad M, Rodriguez LA, Lagergren J. Body mass, tobacco and alcohol and risk of esophageal, gastric cardia, 39 and gastric non-cardia adenocarcinoma among men and women in a nested case-control study. Cancer Causes 40 Control. 2005;16: 285-294. 41
- 38. Hoyo C, Cook MB, Kamangar F, et al. Body mass index in relation to oesophageal and oesophagogastric 42 junction adenocarcinomas: a pooled analysis from the International BEACON Consortium. Int J Epidemiol. 43 44 2012;41: 1706-1718.
- 45 39. Mendoza D, Herrera P, Gilman RH, et al. Variation in the prevalence of gastric cancer in Peru. Int J Cancer. 46 2008;123: 414-420. 47
- 40. Uthman OA, Jadidi E, Moradi T. Socioeconomic position and incidence of gastric cancer: a systematic review 48 and meta-analysis. J Epidemiol Community Health. 2013;67: 854-860. 49
- 41. Wiseman M. The second World Cancer Research Fund/American Institute for Cancer Research expert report. 50 Food, nutrition, physical activity, and the prevention of cancer: a global perspective. Proc Nutr Soc. 2008;67: 51 52 253-256.
- 53 42. Zhou Y, Zhuang W, Hu W, Liu GJ, Wu TX, Wu XT. Consumption of large amounts of Allium vegetables reduces 54 risk for gastric cancer in a meta-analysis. Gastroenterology. 2011;141: 80-89. 55
- 43. Rao S, Cunningham D. Survival from cancer of the stomach in England and Wales up to 2001. Br J Cancer. 56 2008;99 Suppl 1: S19-20. 57
- 44. Johnson CJ, Weir HK, Fink AK, et al. The impact of National Death Index linkages on population-based cancer 58 59 survival rates in the United States. Cancer Epidemiol. 2013;37: 20-28. 60

Stomach cancer survival in the U.S. by race and stage

45. Pinheiro PS, Callahan KE, Ragin C, Hage RW, Hylton T, Kobetz EN. Black Heterogeneity in Cancer Mortality: US-Blacks, Haitians, and Jamaicans. Cancer Control. 2016;23: 347-358.

46. 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;2014: 210-217.

47. Micheli A, Ciampichini R, Oberaigner W, et al. The advantage of women in cancer survival: an analysis of EUROCARE-4 data. Eur J Cancer. 2009;45: 1017-1027.

Page 19 of 34

Cancer

Table 1. Stomach cancer: number of cases for adults (15-99 years) diagnosed 2001-2009 and distribution (%) by SEER Summary Stage 2000 (SS2000) at diagnosis, by race and calendar period of diagnosis.

		2	2001-2003			2004-2009	
SS2000		All races	White	Black	All races	White	Black
No. of patients		49,225	38,036	7,332	101,475	76,800	15,906
Localized	(%)	22.1	22.2	21.2	24.9	24.8	24.6
Regional	(%)	31.5	31.4	30.2	28.8	28.7	27.6
Distant	(%)	28.9	39.1	28.5	30.8	31.4	30.1
Unknown	(%)	17.5	17.3	20.1	15.4	15.1	17.7

Table 2. Stomach cancer: age-standardized net survival (NS %) at 1-, 3- and 5-years for adults (15-99 years) diagnosed 2001-2009, by race and calendar

period of diagnosis.

						2001-2	003										2	004-20	09					
		All race	es			Whit	e			Blacl	ĸ			All rac	es			White	e			Blac	k	
Years	NS (%)	95	% (CI	NS (%)	95	5% (CI	NS (%)	95	5%	CI	NS (%)	95	5%	CI	NS (%)	95	%	CI	NS (%)	95	5% (CI
1	49.1	48.7	-	49.6	48.6	48.1	-	49.1	46.9	45.7	-	48.1	53.1	52.7	-	53.4	52.5	52.1	-	52.9	50.9	50.1	-	51.8
3	30.5	30.1	-	31.0	29.4	28.9	-	29.9	30.3	29.1	-	31.4	33.8	33.4	-	34.2	32.9	32.4	-	33.3	32.4	31.5	-	33.3
5	26.1	25.7	-	26.6	24.9	24.4	-	25.4	26.1	25.0	-	27.3	29.0	28.6	-	29.5	28.0	27.5	-	28.5	28.3	27.1	-	29.4

Stomach cancer survival in the U.S. by race and stage

Table 3. Stomach cancer: 5-year age-standardized net survival (NS %) for adults (15-99 years) diagnosed 2001-2009, by SEER Summary Stage (SS2000) at

diagnosis, race and calendar period of diagnosis.

						2001-2	2003	;									2	004-20	09					
		All r	aces			Whi	ite			Bla	ck			All ra	ices			Whi	te			Blac	k	
SS2000	NS				NS				NS				NS				NS				NS			
	(%)				(%)				(%)				(%)				(%)				(%)			
All stages	26.1	25.7	-	26.6	24.9	24.4	-	25.4	26.1	25.0	-	27.3	29.0	28.6	-	29.5	28.0	27.5	-	28.5	28.3	27.1	-	29.4
Localized	60.9	59.8	-	62.0	60.0	58.7	-	61.3	58.1	55.1	-	61.1	64.0	62.9	-	65.0	63.0	61.8	-	64.2	61.1	58.4	-	63.8
Regional	25.2	24.4	-	26.0	23.5	22.6	-	24.4	27.0	24.9	-	29.1	28.2	27.4	-	29.0	26.9	26.0	-	27.9	28.3	26.0	-	30.5
Distant	4.8	4.4	-	5.1	4.5	4.1	-	4.9	4.8	3.8	-	5.8	5.3	4.9	-	5.7	5.0	4.6	-	5.5	5.8	4.8	-	6.7
Unknown	24.4	23.2	-	25.5	22.7	21.4	-	24.0	24.0	21.4	-	26.7	27.9	26.8	-	29.0	27.2	25.9	-	28.6	25.3	22.9	-	27.6

Figure legends:

Figure 1. Stomach cancer: 5-year age-standardized net survival (%) for adults (15-99 years) diagnosed during 2001-2003 and 2004-2009, and absolute change (%): states grouped by U.S. Census Region.

Note: Data from 37 statewide cancer registries (covering 80.6% of the population) are ranked within U.S. Census Region by the survival estimate for 2004-2009. Dark colors denote states affiliated with the National Program of Cancer Registries (NPCR); pale colors denote states affiliated with the Surveillance, Epidemiology and End Results (SEER) Program; * denotes states affiliated with both federal surveillance programs. Change (%) not plotted if a survival estimate was not available for one calendar period or one or more estimates was not age-standardized.

Figure 2 Stomach cancer: 5-year age-standardized net survival (%) for adults (15-99 years), by state, race and calendar period of diagnosis.

Note: The pooled (37 registries) survival estimate for each calendar period is shown by the horizontal (solid) line with corresponding 95.0% and 99.8% control limits (dotted lines).

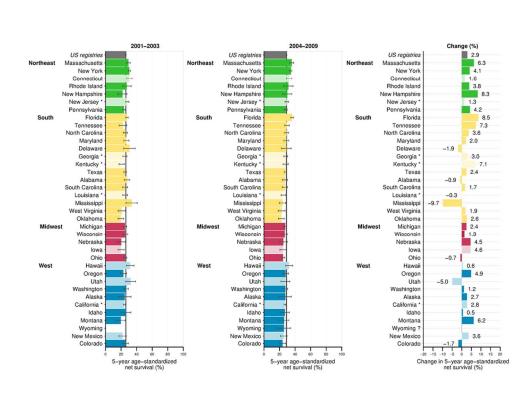
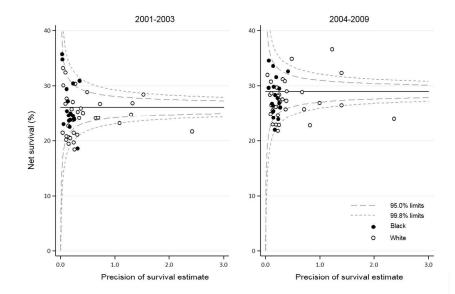
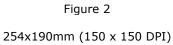


Figure 1

101x73mm (300 x 300 DPI)





Note: NPCR indicates National Program of Cancer Registries; SEER indicates Surveillance, Epidemiology, and End Results program. Information on stage was not available for two states (Maryland and Wisconsin), or for Rhode Island for cases diagnosed during 2004- 2009.

Supplementary Table 2. Stomach cancer: age-standardized net survival (NS) (%) at 1-, 3- and 5-years for adults (15-99 years) diagnosed 2001-2009, by race, calendar period of diagnosis, and US Census Region and States.

Note: NPCR indicates National Program of Cancer Registries; SEER indicates Surveillance, Epidemiology, and End Results program. Unstandardized estimates are italicized.

Supplementary Table 3. Stomach cancer: 5-year age-standardized net survival (NS %) for adults (15-99 years) diagnosed 2001-2009, by SEER Summary Stage 2000 at diagnosis, race, calendar period of diagnosis and US Census Region and States.

Note: NPCR indicates National Program of Cancer Registries; SEER indicates Surveillance, Epidemiology, and End Results program. Information on stage was not available for two states (Maryland and Wisconsin), or for Rhode Island for cases diagnosed during 2004- 2009. Unstandardized estimates are italicized.

	<u>-</u>		2001-2003			2004-2009	
	Stage	All races	White	Black	All races	White	Black
UNITED STATES	No. of patients	40.005	29.026	7,332	101 475	76,800	15,906
	Localized (%)	49,225 22.1	38,036 22.2	21.2	101,475 24.9	24.8	24.6
	Regional (%)	31.5	31.4	30.2	28.8	28.7	27.6
	Distant (%)	28.9	29.1	28.5	30.8	31.4	30.1
	Unknown (%)	17.5	17.3	20.1	15.4	15.1	17.7
NORTHEAST							
New England	N 6 0 1	074		404	4 0 7 0		
Connecticut	No. of patients	974 25.1	850 25.1	104 27.9	1,970 27.1	1,717 26.7	204 29.9
(SEER)	Localized (%) Regional (%)	25.1 34.0	34.7	27.9	32.0	31.8	29.8
	Distant (%)	28.4	27.5	36.5	30.5	30.8	30.9
	Unknown (%)	12.5	12.7	7.7	10.4	10.7	8.8
Massachusetts	No. of patients	1,593	1,436	97	3,026	2,669	205
(NPCR)	Localized (%)	22.2	22.3	22.7	25.8	26.2	22.4
	Regional (%)	33.0	32.8	30.9	30.9	30.1	34.1
	Distant (%)	31.5	31.0	37.1	32.2	32.4	35.1
	Unknown (%)	13.2	13.9	9.3	11.1	11.2	8.3
New Hampshire	No. of patients	209	201	-	472	457	-
(NPCR)	Localized (%)	22.0	20.9	0.0	26.3	26.5	0.0
	Regional (%)	32.5	32.8	100.0	29.7	29.5	75.0
	Distant (%) Unknown (%)	28.7 16.7	29.9 16.4	0.0 0.0	32.6 11.4	32.6 11.4	0.0 25.0
Rhode Island	No. of patients	329	309	15	554	510	32
(NPCR)	Localized (%)	22.8	22.3	40.0	- 004	-	
	Regional (%)	29.2	29.4	20.0	-	-	
	Distant (%)	33.7	33.7	26.7	-	-	
	Unknown (%)	14.3	14.6	13.3	-	-	-
Mid Atlantic							
New Jersey	No. of patients	2,452	1,944	348	4,737	3,688	701
(NPCR/SEER)	Localized (%)	24.3	24.2	26.4	24.7	24.5	25.1
	Regional (%) Distant (%)	32.9 28.5	32.7 29.0	34.2 26.1	30.8 29.6	31.1 29.6	28.5 30.4
	Unknown (%)	14.3	14.1	13.2	29.0 14.9	14.8	16.0
New York	No. of patients	5,611	4,176	942	10,851	7,739	1,997
(NPCR)	Localized (%)	21.1	21.3	20.3	25.4	25.0	24.2
	Regional (%)	31.7	31.4	31.4	30.6	30.4	29.8
	Distant (%)	25.8	25.8	26.0	30.0	30.5	31.9
	Unknown (%)	21.5	21.5	22.3	14.0	14.2	14.0
Pennsylvania	No. of patients	3,200	2,749	352	6,172	5,237	746
(NPCR)	Localized (%)	21.3	21.3	20.2	25.3	24.8	28.2
	Regional (%) Distant (%)	36.7 28.2	37.4 27.7	33.2 30.7	31.5 31.9	31.4 32.5	30.8 29.1
	Unknown (%)	13.9	13.6	15.9	11.4	11.3	11.9
SOUTH							
South Atlantic		470	4.4.0				
Delaware	No. of patients	172	118	47	364	266	84
(NPCR)	Localized (%) Regional (%)	27.3 30.8	28.0 29.7	27.7 29.8	22.8 32.1	20.7 31.6	29.8 33.3
	Regional (%) Distant (%)	30.8	32.2	29.8	34.3	35.3	33.3
	Unknown (%)	11.0	10.2	12.8	10.7	12.4	3.6
Florida	No. of patients	4,267	3,524	652	8,068	6,526	1,270
(NPCR)	Localized (%)	20.4	20.4	20.1	23.8	23.7	24.0
. ,	Regional (%)	32.6	32.7	31.6	30.2	30.0	30.5
	Distant (%)	27.8	27.4	30.8	28.6	28.6	29.7
	Unknown (%)	19.2	19.5	17.5	17.4	17.7	15.8
Georgia	No. of patients	1,408	804	554	3,157	1,804	1,229
(NPCR/SEER)	Localized (%)	24.9	24.9	26.0	28.2	28.3	27.7
	Regional (%)	32.2	32.0	31.6	29.9	29.2	30.4
	Distant (%)	29.3	28.4	30.1	32.8	33.0	33.0
	Unknown (%)	13.6	14.8	12.3	9.1	9.4	8.9

	_		2001-2003			2004-2009	
	Stage	All races	White	Black	All races	White	Black
Maryland (NPCR)	No. of patients Localized (%)	955 -	561 -	294	1,838 -	1,106 -	566
	Regional (%) Distant (%) Unknown (%)	-	-	-	-	-	
North Carolina	No. of patients	1,449	977	426	3,222	2,142	957
(NPCR)	Localized (%) Regional (%)	25.1 29.9	25.9 29.8	23.5 29.1	26.9 29.3	27.7 29.6	25.4 28.3
	Distant (%) Unknown (%)	31.6 13.4	30.8 13.5	34.0 13.4	31.2 12.7	31.0 11.7	31.7 14.6
South Carolina	No. of patients	877	494	364	1,893	1,082	778
(NPCR)	Localized (%) Regional (%)	22.3 35.9	22.9 35.8	21.7 36.3	28.8 27.8	31.8 27.5	25.3 28.3
	Distant (%)	26.9	26.7	26.9	29.7	28.9	30.2
	Unknown (%)	14.8	14.6	15.1	13.7	11.7	16.2
Vest Virginia (NPCR)	No. of patients Localized (%)	397 25.9	383 25.6	14 35.7	775 25.2	737 25.6	33 18.2
(NPCR)	Regional (%)	25.9 35.0	35.8	14.3	30.6	30.5	30.3
	Distant (%)	22.9	23.2	14.3	28.9	28.5	33.3
	Unknown (%)	16.1	15.4	35.7	15.4	15.3	18.2
a st South Centr Alabama	al No. of patients	900	586	303	1,838	1,171	635
(NPCR)	Localized (%)	25.8	27.8	21.5	32.4	35.1	27.2
	Regional (%)	33.9	35.3	31.7	27.0	26.2	28.7
	Distant (%) Unknown (%)	26.9 13.4	24.7 12.1	31.4 15.5	28.2 12.3	27.3 11.4	30.2 13.9
Kentucky	No. of patients	729	655	71	1,548	1,387	132
(NPCR/SEER)	Localized (%)	26.7	27.3	21.1	29.7	29.7	28.0
	Regional (%) Distant (%)	30.5 26.2	29.6 26.7	36.6 22.5	27.8 29.5	28.1 29.1	25.8 34.8
	Unknown (%)	16.6	16.3	19.7	13.0	13.0	11.4
lississippi	No. of patients	193	110	82	1,210	623	566
(NPCR)	Localized (%)	32.6	40.9	22.0	25.4	26.2	24.0
	Regional (%) Distant (%)	29.5 20.2	26.4 16.4	34.1 25.6	29.5 28.2	29.2 28.9	30.0 27.1
	Unknown (%)	17.6	16.4	18.3	16.9	15.7	18.2
Tennessee	No. of patients	317	262	50	2,217	1,716	450
(NPCR)	Localized (%) Regional (%)	26.8 36.0	27.5 34.4	24.0 42.0	29.2 29.0	30.3 28.6	24.9 30.0
	Distant (%)	22.1	23.7	16.0	29.0	27.3	27.6
	Unknown (%)	15.1	14.5	18.0	14.6	13.9	17.6
est South Cent					- /		
_ouisiana (NPCR/SEER)	No. of patients Localized (%)	1,037 24.9	578 25.8	441 24.3	2,123 30.4	1,159 33.0	933 27.8
	Regional (%)	31.9	29.1	34.2	27.2	24.9	29.3
	Distant (%)	28.3	30.1	26.5	31.5	31.2	32.2
	Unknown (%)	14.9	15.1	15.0	10.9	10.8	10.8
)klahoma (NPCR)	No. of patients Localized (%)	631 25.8	493 26.8	60 26.7	1,248 27.5	943 27.7	120 33.3
	Regional (%)	28.4	27.4	30.0	25.5	25.2	26.2
	Distant (%)	28.4	28.4	23.3	28.0	27.9	21.4
-	Unknown (%)	17.4	17.4	20.0	19.1	19.2	19.0
Гехаs (NPCR)	No. of patients Localized (%)	3,911 20.2	3,182 20.3	592 18.6	8,411 24.5	6,748 24.5	1,260 24.7
(Regional (%)	31.8	31.9	32.6	28.0	28.2	26.3
	Distant (%)	29.4	29.4	30.1	31.9	32.0	32.9
	Unknown (%)	18.6	18.5	18.8	15.6	15.2	16.2

			2001-2003			2004-2009	
	Stage	All races	White	Black	All races	White	Black
MIDWEST East North Centra							
Michigan	No. of patients	2,099	1,628	426	4,193	3,236	799
(NPCR/SEER)	Localized (%)	24.5	24.4	25.1	25.0	24.7	25.8
	Regional (%)	29.5	30.2	26.3	25.9	26.8	23.7
	Distant (%)	27.9	27.6	30.3	27.1	27.1	26.9
	Unknown (%)	18.1	17.8	18.3	22.0	21.4	23.7
Ohio	No. of patients	2,174	1,756	351	4,511	3,718	667
(NPCR)	Localized (%)	20.7	20.4	19.4	21.6	21.3	22.3
(Regional (%)	29.3	29.4	29.1	28.8	29.2	28.0
	Distant (%)	25.3	25.4	27.4	30.5	30.8	30.0
	Unknown (%)	24.7	24.7	24.2	19.2	18.7	19.6
Wisconsin	No. of patients	890	820	41	1,587	1,423	11(
(NPCR)	Localized (%)	-	-	-	-		
	Regional (%)	-	-	-	-	-	
	Distant (%)	-	-	-	-	-	
	Unknown (%)	-	-	-	-	-	
West North Centr	al						
Iowa	No. of patients	531	503	15	1,123	1,081	20
(SEER)	Localized (%)	23.2	22.5	33.3	26.4	26.7	15.
	Regional (%)	25.8	25.8	26.7	27.2	26.9	38.
	Distant (%)	37.5	38.4	33.3	37.2	37.1	38.
	Unknown (%)	13.6	13.3	6.7	9.2	9.3	7.
Nebraska	No. of patients	334	312	13	667	616	3
(NPCR)	Localized (%)	21.6	21.8	30.8	18.7	19.5	6.
	Regional (%)	28.4	28.5	15.4	31.9	32.6	26.
	Distant (%)	30.2	30.4	38.5	33.6	33.0	36.
	Unknown (%)	19.8	19.2	15.4	15.7	14.9	30.
VEST							
Mountain		040			4.050	4.044	-
Colorado	No. of patients	619	557	28	1,352	1,211	5
(NPCR)	Localized (%)	22.9	23.2	25.0	20.5	19.7	27.
	Regional (%)	28.6	28.5	21.4	28.1	27.6	20.
	Distant (%)	31.5	31.2	46.4	38.7	39.5	44.
	Unknown (%)	17.0	17.1	7.1	12.7	13.2	8.
Idaho	No. of patients	204	197	-	403	378	-
(NPCR)	Localized (%)	22.5	23.4	-	19.1	18.8	0.
	Regional (%)	36.3	35.0	-	28.5	28.6	100.
	Distant (%)	28.9	28.9	-	37.7	38.6	0.
	Unknown (%)	12.3	12.7	-	14.6	14.0	0.
Montana	No. of patients	201	190	-	332	299	
(NPCR)	Localized (%)	20.9	21.6	-	24.4	24.7	
	Regional (%)	37.8	36.3	-	31.6	32.1	
	Distant (%)	28.9	28.9	-	32.5	31.1	
	Unknown (%)	12.4	13.2	-	11.4	12.0	
New Mexico	No. of patients	356	305	-	865	746	1
(SEER)	Localized (%)	26.1	26.9	40.0	33.5	33.9	55.
	Regional (%)	32.9	31.1	40.0	25.0	24.5	16.
	Distant (%)	30.9	31.5	0.0	30.1	29.5	22.
	Unknown (%)	10.1	10.5	20.0	11.4	12.1	5.
Utah	No. of patients	274	253	-	509	475	
(SEER)	Localized (%)	34.3	33.2	50.0	30.6	31.2	25.
	Regional (%)	24.8	24.5	50.0	24.0	22.7	0.
	Distant (%)	32.5 8.4	33.2 9.1	0.0	36.5 8.8	37.3	50. 25.
14/	Unknown (%)			0.0		8.8	25
Wyoming	No. of patients	68	67	-	159	155	
(NPCR)	Localized (%)	16.2	14.9	-	25.8	26.5	
	Regional (%)	30.9	31.3	-	27.0	25.8	
		25.0	05.4		30.2	31.0	
	Distant (%) Unknown (%)	25.0 27.9	25.4 28.4	-	17.0	16.8	

			2001-2003		2	2004-2009	
	Stage	All races	White	Black	All races	White	Black
Pacific							
Alaska (NPCR)	No. of patients Localized (%) Regional (%) Distant (%) Unknown (%)	102 19.6 34.3 32.4 13.7	53 17.0 34.0 30.2 18.9	0.0 66.7 33.3 0.0	210 23.8 30.5 33.8 11.9	98 22.4 32.7 28.6 16.3	- 50.0 0.0 0.0 50.0
California (NPCR/SEER)	No. of patients Localized (%) Regional (%) Distant (%) Unknown (%)	7,530 21.1 31.2 35.8 11.8	5,458 20.6 30.2 37.1 12.0	596 19.3 28.9 36.2 15.6	15,717 24.9 29.0 35.3 10.9	11,100 23.8 28.2 37.3 10.7	1,166 25.5 26.2 35.8 12.6
Hawaii (SEER)	No. of patients Localized (%) Regional (%) Distant (%) Unknown (%)	528 30.5 37.7 26.1 5.7	72 25.0 37.5 33.3 4.2	- - -	959 28.3 31.2 33.0 7.6	139 26.6 28.1 34.5 10.8	20.0 20.0 60.0 0.0
Oregon (NPCR)	No. of patients Localized (%) Regional (%) Distant (%) Unknown (%)	582 18.4 36.3 32.3 13.1	520 17.5 34.8 34.0 13.7	13 15.4 38.5 30.8 15.4	1,252 25.2 30.5 32.9 11.4	1,121 25.8 29.6 33.3 11.3	26 23.1 34.6 30.8 11.5
Washington (NPCR/SEER)	No. of patients Localized (%) Regional (%) Distant (%) Unknown (%)	1,122 24.5 32.9 31.4 11.2	953 24.8 32.7 30.8 11.6	28 14.3 25.0 53.6 7.1	1,942 23.0 30.8 37.8 8.3	1,577 21.9 30.9 38.6 8.6	83 32.5 22.9 32.5 12.0

1														
2		-		All races	20	001-2003 White		Black		All races	20	004-2009 White		Black
3		Years	NS	95% CI										
4	UNITED STATES		-											
5		1	49.1	48.7 - 49.6	48.6	48.1 - 49.1	46.9	45.7 - 48.1	53.1	52.7 - 53.4	52.5	52.1 - 52.9	50.9	50.1 - 51.8
6		3 5	30.5 26.1	30.1 - 31.0	29.4	28.9 - 29.9	30.3 26.1	29.1 - 31.4	33.8	33.4 - 34.2 28.6 - 29.5	32.9	32.4 - 33.3	32.4	31.5 - 33.3
7	NODTHEAST	Э	20.1	25.7 - 26.6	24.9	24.4 - 25.4	20.1	25.0 - 27.3	29.0	20.0 - 29.5	28.0	27.5 - 28.5	28.3	27.1 - 29.4
8	NORTHEAST New England													
9	Connecticut	1	55.7	52.3 - 59.1	55.6	51.9 - 59.3	50.4	41.3 - 59.5	59.1	56.7 - 61.5	59.2	56.6 - 61.7	54.3	47.5 - 61.0
10	(SEER)	3	35.7	32.3 - 39.2	35.6	31.9 - 39.3	27.9	19.5 - 36.4	38.4	35.7 - 41.2	37.8	34.9 - 40.8	36.4	28.9 - 43.9
11	•• • •	5	30.7	27.2 - 34.2	30.3	26.6 - 34.1	23.0	14.9 - 31.1	32.3	29.0 - 35.5	31.2	27.7 - 34.6	34.6	26.7 - 42.5
12	Massachusetts (NPCR)	1 3	51.2 33.6	48.6 - 53.8 31.0 - 36.2	50.4 33.1	47.6 - 53.2 30.4 - 35.9	59.0 37.9	49.1 - 69.0 27.7 - 48.1	59.1 39.7	57.2 - 61.1 37.4 - 41.9	58.2 38.8	56.1 - 60.2 36.4 - 41.2	57.1 37.1	49.9 - 64.3 29.3 - 44.8
13		5	29.3	26.7 - 31.9	28.9	26.1 - 31.7	34.8	24.5 - 45.1	35.6	32.9 - 38.2	34.9	32.1 - 37.8	29.6	21.5 - 37.8
14	New Hampshire	1	49.3	42.5 - 56.1	48.6	41.7 - 55.6		-	52.2	47.2 - 57.1	51.8	46.8 - 56.9		-
15	(NPCR)	3	26.2	20.0 - 32.4	25.5	19.3 - 31.7		-	33.4	28.2 - 38.5	32.0	26.8 - 37.3		-
16		5	21.7	15.8 - 27.6	20.8	14.9 - 26.7		-	29.9	24.0 - 35.8	28.6	22.7 - 34.6		-
17	Rhode Island	1	53.7	48.0 - 59.4	53.1	47.1 - 59.0	61.0	36.9 - 85.2 17.2 - 66.8	57.0	52.5 - 61.5	56.2	51.5 - 61.0	55.5	36.8 - 74.2
18	(NPCR)	3 5	32.0 27.5	26.3 - 37.6 21.9 - 33.1	31.9 27.7	26.0 - 37.8 21.8 - 33.5	42.0 29.4	6.3 - 52.5	38.4 31.3	33.4 - 43.4 25.3 - 37.3	37.1 30.8	31.8 - 42.3 24.6 - 37.0	42.5 34.7	23.2 - 61.9 13.7 - 55.7
19	Mid Atlantic	-												
20	New Jersey	1	51.7	49.6 - 53.7	51.4	49.1 - 53.8	48.4	43.1 - 53.7	55.3	53.7 - 56.8	55.0	53.2 - 56.8	52.0	48.1 - 55.9
21	(NPCR/SEER)	3	32.7	30.7 - 34.8	31.5	29.2 - 33.8	32.4	27.2 - 37.7	35.4	33.7 - 37.1	34.6	32.6 - 36.6	31.7	27.4 - 35.9
22		5	27.9	25.9 - 30.0	26.7	24.4 - 29.0	27.2	21.9 - 32.6	29.3	27.2 - 31.4	28.9	26.5 - 31.3	25.4	20.3 - 30.5
23	New York (NPCR)	1 3	54.6 35.2	53.2 - 55.9 33.9 - 36.6	54.1 33.5	52.5 - 55.7 31.9 - 35.1	51.1 34.9	47.8 - 54.4 31.6 - 38.2	58.9 39.5	57.9 - 59.8 38.4 - 40.7	58.0 37.9	56.8 - 59.2 36.5 - 39.3	55.1 36.6	52.7 - 57.4 34.1 - 39.2
24		5	30.6	29.2 - 31.9	28.4	26.8 - 30.0	30.9	27.6 - 34.2	34.6	33.2 - 36.0	32.3	30.6 - 34.0	32.6	29.5 - 35.6
25	Pennsylvania	1	48.4	46.5 - 50.3	48.7	46.7 - 50.7	46.0	40.6 - 51.5	53.2	51.9 - 54.6	52.8	51.3 - 54.3	53.3	49.4 - 57.1
26	(NPCR)	3	27.7	25.9 - 29.4	27.3	25.4 - 29.2	27.8	22.8 - 32.9	33.0	31.5 - 34.6	31.3	29.6 - 33.0	39.2	34.9 - 43.6
27		5	23.8	22.1 - 25.6	23.2	21.3 - 25.1	23.6	18.7 - 28.6	28.1	26.2 - 29.9	26.9	24.9 - 28.9	33.5	28.3 - 38.7
28	SOUTH South Atlantic													
20 29	Delaware	1	52.1	44.6 - 59.6	48.7	39.8 - 57.6	57.6	43.1 - 72.2	52.3	46.7 - 57.8	52.2	45.7 - 58.7	52.1	41.4 - 62.8
29 30	(NPCR)	3	35.0	27.5 - 42.5	34.3	25.7 - 42.8	34.4	19.2 - 49.6	32.1	26.5 - 37.7	32.3	25.9 - 38.8	28.7	18.0 - 39.4
31		5	30.7	23.1 - 38.2	30.0	21.6 - 38.5	28.4	12.7 - 44.1	28.8	22.6 - 34.9	28.4	21.6 - 35.1	28.0	13.4 - 42.6
32	Florida	1	51.7	50.1 - 53.3	51.8	50.0 - 53.5	50.5	46.5 - 54.5	55.6	54.5 - 56.8	55.5	54.2 - 56.8	54.9	51.9 - 57.8
	(NPCR)	3 5	31.9 27.7	30.4 - 33.4 26.1 - 29.2	31.3 26.9	29.6 - 33.0 25.2 - 28.6	33.5 30.4	29.5 - 37.4 26.3 - 34.5	38.9 36.2	37.6 - 40.3 34.6 - 37.8	38.8 36.6	37.3 - 40.3 34.9 - 38.4	36.8 31.6	33.5 - 40.2 27.2 - 36.0
33 34	Georgia	1	46.8	44.1 - 49.4	47.9	44.3 - 51.4	44.6	40.3 - 48.9	50.3	48.4 - 52.2	50.7	48.2 - 53.2	49.1	46.1 - 52.2
34 35	(NPCR/SEER)	3	29.6	27.0 - 32.1	29.8	26.4 - 33.2	28.1	24.0 - 32.2	31.1	29.0 - 33.2	31.2	28.4 - 33.9	30.9	27.6 - 34.3
		5	24.9	22.4 - 27.5	24.1	20.8 - 27.4	24.6	20.5 - 28.8	28.0	25.5 - 30.4	27.3	24.1 - 30.5	29.5	25.6 - 33.4
36	Maryland	1	46.5	43.2 - 49.7	45.2	40.9 - 49.5	41.6	35.9 - 47.4	52.7	50.2 - 55.2 31.1 - 36.5	52.2	49.0 - 55.4	49.3	44.9 - 53.7
37	(NPCR)	3 5	29.9 26.8	26.8 - 33.1 23.5 - 30.0	26.7 23.8	22.7 - 30.7 19.7 - 27.8	29.0 25.4	23.4 - 34.6 19.7 - 31.1	33.8 28.8	31.1 - 36.5 25.7 - 31.9	33.4 28.2	29.9 - 36.8 24.2 - 32.2	30.9 26.4	26.2 - 35.7 21.2 - 31.6
38	North Carolina	1	41.0	38.4 - 43.6	41.0	37.9 - 44.2	38.7	33.9 - 43.4	52.6	50.7 - 54.5	52.5	50.2 - 54.8	50.6	47.2 - 54.0
39	(NPCR)	3	29.0	26.5 - 31.5	28.5	25.4 - 31.5	27.4	22.8 - 32.0	33.2	31.1 - 35.2	33.6	31.0 - 36.2	30.4	26.7 - 34.1
40		5	25.6	23.0 - 28.1	25.1	22.1 - 28.2	23.8	19.2 - 28.4	29.2	26.7 - 31.7	29.0	25.9 - 32.1	27.8	23.7 - 31.9
41	South Carolina	1	48.8	45.4 - 52.2	49.9	45.4 - 54.4	45.8	40.6 - 51.0	51.6	49.1 - 54.0	53.8	50.6 - 57.0	48.7	44.9 - 52.4
42	(NPCR)	3 5	31.3 25.2	28.0 - 34.6 22.0 - 28.5	31.6 25.8	27.2 - 36.0 21.5 - 30.1	28.9 22.5	23.9 - 33.8 17.8 - 27.3	31.6 26.9	29.0 - 34.2 23.7 - 30.1	34.9 29.7	31.4 - 38.4 25.4 - 34.0	26.8 22.0	22.8 - 30.7 17.2 - 26.7
43	West Virginia	1	43.4	38.2 - 48.6	43.3	38.0 - 48.5	38.1	12.8 - 63.4	47.4	43.6 - 51.1	47.6	43.8 - 51.5	44.2	27.0 - 61.3
44	(NPCR)	3	24.6	19.9 - 29.3	24.5	19.7 - 29.2	23.7	2.3 - 45.0	28.3	24.4 - 32.1	28.3	24.4 - 32.3	30.1	13.1 - 47.1
45		5	20.8	16.2 - 25.4	20.5	15.8 - 25.1	23.7	2.3 - 45.0	22.8	18.4 - 27.1	22.9	18.4 - 27.3	23.8	4.5 - 43.0
46	East South Centra		40.0	10.0 50.0		44 4 40 4		44.0 55.0		40.0 50.4		40.0 55.4	4= 4	40.0 54.0
47	Alabama (NPCR)	1 3	46.9 30.8	43.6 - 50.3 27.5 - 34.1	45.3 29.2	41.1 - 49.4 25.2 - 33.2	50.0 33.4	44.3 - 55.8 27.7 - 39.1	50.7 32.8	48.2 - 53.1 30.1 - 35.5	52.1 34.9	49.0 - 55.1 31.6 - 38.2	47.0 28.5	42.8 - 51.2 24.1 - 32.9
48		5	27.8	24.4 - 31.2	27.1	23.0 - 31.2	29.4	23.5 - 35.2	26.9	23.8 - 30.1	28.4	24.5 - 32.3	24.1	19.0 - 29.2
49	Kentucky	1	44.1	40.4 - 47.8	44.6	40.6 - 48.5	37.9	26.4 - 49.5	48.8	46.1 - 51.4	48.9	46.0 - 51.7	46.4	38.3 - 54.6
50	(NPCR/SEER)	3	25.2	21.8 - 28.6	25.6	22.0 - 29.2	21.7	11.3 - 32.0	30.0	27.1 - 32.9	29.7	26.7 - 32.8	32.3	24.0 - 40.6
51		5	20.7	17.4 - 24.1	21.1	17.6 - 24.6	15.9	5.9 - 25.9	27.8	24.5 - 31.2	27.6	24.1 - 31.1	31.3	23.0 - 39.6
52	Mississippi (NPCR)	1 3	57.8 39.2	50.9 - 64.7 32.2 - 46.3	61.7 41.5	53.1 - 70.2 32.6 - 50.4	55.0 37.3	45.4 - 64.6 27.0 - 47.7	48.6 29.9	45.6 - 51.6 26.6 - 33.1	48.8 30.3	44.6 - 53.1 25.8 - 34.8	47.6 29.1	43.2 - 52.0 24.3 - 34.0
53	(INF OR)	5	39.2 33.6	32.2 - 40.3 26.3 - 40.8	41.5 33.2	32.6 - 50.4 24.2 - 42.1	37.3	27.0 - 47.7 24.3 - 47.2	29.9	20.0 - 33.1 19.8 - 27.9		25.6 - 34.6 17.6 - 28.4	29.1	24.3 - 34.0 21.1 - 32.4
54	Tennessee	1	48.4	42.8 - 53.9	45.7	39.6 - 51.9	60.1	45.8 - 74.5	52.2	50.0 - 54.4	52.8	50.2 - 55.3	47.6	42.6 - 52.5
55	(NPCR)	3	27.4	22.3 - 32.6	24.4	19.0 - 29.9	39.1	24.2 - 54.1	33.9	31.4 - 36.4	34.7	31.9 - 37.5	29.3	23.9 - 34.7
56		5	22.4	17.5 - 27.3	19.5	14.4 - 24.6	31.8	15.6 - 48.0	29.7	26.8 - 32.6	30.8	27.6 - 34.1	24.1	17.9 - 30.3
57	West South Centra	al 1	45.9	42.7 - 49.0	46.8	126 510	42.0	39.1 - 48.7	47.0	45.6 50.2	47.9	117 510	48.0	44.5 - 51.4
58	Louisiana (NPCR/SEER)	3		42.7 - 49.0 26.8 - 32.9	46.8 29.7	42.6 - 51.0 25.6 - 33.8	43.9 29.1	39.1 - 48.7 24.5 - 33.7	47.9 29.3	45.6 - 50.2 26.8 - 31.7	47.9 30.6	44.7 - 51.0 27.2 - 33.9	48.0 28.3	44.5 - 51.4 24.6 - 32.0
59	,	5	25.3		24.5	20.5 - 28.6	24.9	20.4 - 29.5	24.9	22.1 - 27.8		22.3 - 30.2	23.9	19.9 - 27.9
60														

					20	01-2003					20	04-2009		
		_		Il races		White		Black		All races		White		Black
		Years	NS _	95% CI	NS _	95% CI	NS	95% CI	NS	95% CI	NS _	95% CI	NS	95% CI
	Oklahoma	1	41.5	37.5 - 45.5	40.8	36.2 - 45.4	46.3	33.3 - 59.2	46.8	43.8 - 49.7	48.3	44.9 - 51.7	50.8	41.6 - 60.1
	(NPCR)	3	23.0	19.5 - 26.6	22.2	18.2 - 26.2	32.3	19.8 - 44.8	28.0	24.9 - 31.1	28.0	24.5 - 31.5	37.6	27.1 - 48.1
		5	19.7	16.2 - 23.2	18.4	14.6 - 22.3	32.3	19.8 - 44.8	22.3	18.7 - 25.9	21.8	17.7 - 25.9	40.9	29.4 - 52.3
	Texas	1	46.7	45.1 - 48.4	46.5	44.8 - 48.3	45.5	41.3 - 49.6	51.7	50.6 - 52.9	51.2	49.9 - 52.5	49.8	46.8 - 52.8
	(NPCR)	3	29.7	28.2 - 31.3	29.3	27.6 - 31.0	29.6	25.5 - 33.6	32.4	31.1 - 33.7	31.5	30.1 - 32.9	31.6	28.4 - 34.8
		5	25.2	23.6 - 26.8	24.8	23.1 - 26.5	23.9	20.0 - 27.8	27.6	26.0 - 29.1	26.5	24.8 - 28.1	26.9	23.0 - 30.8
	IDWEST East North Centr	-												
	Michigan	ai 1	47.3	45.1 - 49.6	47.1	44.5 - 49.7	44.9	40.1 - 49.7	50.8	49.1 - 52.4	50.5	48.6 - 52.4	49.8	46.0 - 53.7
	(NPCR)	3	29.4	27.2 - 31.5	28.4	25.9 - 30.8	30.7	25.9 - 35.4	31.6	29.8 - 33.4	31.0	29.0 - 33.0	30.4	26.3 - 34.5
		5	24.9	22.7 - 27.1	24.1	21.7 - 26.6	25.0	20.3 - 29.6	27.3	25.2 - 29.3	25.8	23.4 - 28.1	28.3	23.7 - 32.9
	Ohio	1	47.7	45.5 - 50.0	46.4	44.0 - 48.9	49.3	43.8 - 54.7	50.4	48.8 - 52.0	49.1	47.3 - 50.9	54.3	50.3 - 58.3
	(NPCR)	3	28.6	26.5 - 30.8	27.1	24.7 - 29.4	30.9	25.8 - 36.1	29.4	27.7 - 31.1	27.9	26.0 - 29.7	33.3	28.8 - 37.8
	, ,	5	25.2	23.1 - 27.4	24.1	21.8 - 26.5	24.6	19.6 - 29.7	24.5	22.5 - 26.5	22.8	20.6 - 25.0	29.8	24.8 - 34.9
	Wisconsin	1	56.7	53.3 - 60.0	57.3	53.8 - 60.8	55.5	39.8 - 71.2	57.6	54.9 - 60.2	58.4	55.6 - 61.2	47.6	38.2 - 56.9
	(NPCR)	3	32.8	29.4 - 36.1	33.0	29.4 - 36.5	34.5	19.3 - 49.6	33.2	30.2 - 36.2	33.3	30.2 - 36.5	28.6	18.9 - 38.2
		5	25.4	22.0 - 28.7	25.3	21.8 - 28.8	30.7	14.6 - 46.8	26.7	23.0 - 30.3	27.1	23.3 - 30.9	18.3	9.6 - 27.0
	West North Cent	ral												
	lowa	1	42.0	37.6 - 46.5	41.3	36.7 - 45.8	60.4	36.2 - 84.5	49.3	46.1 - 52.5	49.2	45.9 - 52.5	48.3	28.7 - 68.0
	(SEER)	3	27.1	23.0 - 31.3	26.7	22.4 - 30.9	33.8	11.0 - 56.6	30.0	26.6 - 33.4	29.9	26.4 - 33.3	34.9	13.4 - 56.3
		5	20.0	16.1 - 23.9	19.7	15.7 - 23.7	20.6	1.7 - 39.6	24.6	20.6 - 28.7	24.7	20.6 - 28.8	25.4	3.2 - 47.6
	Nebraska	1	47.1	41.4 - 52.8	48.1	42.0 - 54.1	46.8	20.7 - 72.9	53.9	49.9 - 57.8	55.2	51.0 - 59.3	31.5	13.2 - 49.8
	(NPCR)	3	25.8	20.7 - 30.9	26.8	21.4 - 32.2	23.6	2.3 - 44.8	31.7	27.3 - 36.0	31.9	27.3 - 36.4	25.5	7.5 - 43.4
_		5	20.4	15.6 - 25.2	20.6	15.6 - 25.7	23.6	2.3 - 44.8	24.9	19.9 - 30.0	25.3	20.1 - 30.6	13.4	0.0 - 29.5
	VEST													
	Mountain Colorado	1	50.7	46.7 - 54.8	50.2	45.9 - 54.5	43.9	25.8 - 62.0	51.6	48.8 - 54.5	51.3	48.3 - 54.3	49.8	35.8 - 63.8
	(NPCR)	3	30.0	26.2 - 33.8	28.6	45.9 - 54.5 24.6 - 32.6	43.9 30.0	12.8 - 47.1	33.4	48.8 - 54.5 30.3 - 36.5	32.5	48.3 - 34.3 29.2 - 35.7	49.8 30.2	16.8 - 43.6
		5	25.7	21.9 - 29.5	24.0	20.1 - 28.0	27.9	10.3 - 45.5	24.0	20.2 - 27.8	22.9	19.0 - 26.8	13.5	0.8 - 26.2
	Idaho	1	49.0	42.1 - 55.9	49.2	42.2 - 56.2		_	48.2	43.0 - 53.3	48.5	43.2 - 53.8		-
	(NPCR)	3	30.3	23.7 - 36.8	30.4	23.7 - 37.0		-	28.1	22.9 - 33.4	28.0	22.6 - 33.3		-
	(5	26.3	19.9 - 32.6	26.8	20.3 - 33.3		-	26.8	21.0 - 32.6	26.5	20.5 - 32.5		-
	Montana	1	42.2	35.4 - 49.0	42.6	35.7 - 49.6		-	49.8	44.1 - 55.6	49.6	43.8 - 55.3		-
	(NPCR)	3	25.6	19.3 - 31.8	26.3	19.9 - 32.8		-	29.2	23.3 - 35.2	28.8	22.7 - 34.8		-
		5	19.6	13.9 - 25.4	20.2	14.2 - 26.2		-	25.8	19.5 - 32.1	24.9	18.5 - 31.3		-
	New Mexico	1	45.5	40.3 - 50.7	45.7	40.1 - 51.4		-	45.5	41.9 - 49.0	45.8	42.0 - 49.6	28.9	5.9 - 51.9
	(SEER)	3	25.9	21.1 - 30.6	26.2	21.0 - 31.3		-	28.1	24.5 - 31.8	29.1	25.2 - 33.1	19.5	0.0 - 39.5
		5	22.0	17.3 - 26.7	22.7	17.6 - 27.9		-	25.6	21.5 - 29.7	26.2	21.7 - 30.7		-
	Utah	1	48.8	42.7 - 54.9	49.5	43.2 - 55.8		-	49.3	44.8 - 53.8	48.2	43.6 - 52.9		-
	(SEER)	3	35.2	29.1 - 41.2	35.4	29.2 - 41.7		-	32.2	27.3 - 37.0	31.4	26.5 - 36.4		-
		5	32.5	26.2 - 38.8	32.4	25.9 - 38.9		-	27.5	21.7 - 33.2	25.6	20.2 - 31.0		-
	Wyoming	1	39.7	27.7 - 51.7	38.8	26.7 - 50.8		-	46.3	38.8 - 53.7	46.1	38.7 - 53.5		-
	(NPCR)	3	25.7	14.6 - 36.7	24.5	13.5 - 35.5		-	28.0	19.8 - 36.2		20.4 - 37.0		-
_		5	23.7	12.1 - 35.2	22.5	11.0 - 33.9		-	25.6	16.8 - 34.4	26.2	17.3 - 35.1		-
	Pacific		45 4		40.7	21.0 50.0			44.0	277 50 0	40.7	27.0 50.0		
	Alaska (NPCR)	1 3	45.4 27.8	35.6 - 55.1 19.4 - 36.2	43.7 25.6	31.0 - 56.3 15.0 - 36.1		-	44.9 26.2	37.7 - 52.2 18.9 - 33.5	46.7 31.3	37.2 - 56.3 21.6 - 41.0		-
		5	27.0 24.7	19.4 - 30.2 16.6 - 32.8	25.6 21.5	15.0 - 36.1 11.7 - 31.2		_	26.2	10.9 - 33.5 19.7 - 35.1	31.3	21.6 - 41.0 22.0 - 41.9		_
	California	1	47.9	46.7 - 49.1	45.4	44.0 - 46.8	42.9	38.8 - 47.0	51.9	51.0 - 52.7	49.3	48.3 - 50.3	47.8	44.7 - 50.9
	(NPCR/SEER)	3	47.9 28.5	46.7 - 49.1 27.4 - 29.6	45.4 26.4	44.0 - 46.6 25.1 - 27.7	42.9	38.8 - 47.0 18.5 - 25.6	32.3	31.4 - 33.2	49.3 29.3	48.3 - 50.3 28.2 - 30.4	47.8 31.8	28.4 - 35.1
	(OROCEIN)	5	24.0	22.9 - 25.2	21.7	20.4 - 23.0	18.6	15.1 - 22.1	26.8	25.7 - 27.9	23.0	22.7 - 25.2	26.1	22.3 - 29.9
	Hawaii	1	54.8	49.7 - 59.9	48.9	37.1 - 60.8		-	55.6	52.1 - 59.2	56.6	48.3 - 65.0		-
	(SEER)	3	35.7	30.6 - 40.7	28.1	17.2 - 39.1		-	36.2	32.2 - 40.2	31.1	40.3 - 03.0 22.5 - 39.7		-
	()	5	31.8	26.8 - 36.8	30.4	17.9 - 42.8		-	32.4	27.9 - 36.9	25.3	16.9 - 33.7		-
	Oregon	1	45.7	41.5 - 49.8	44.6	40.2 - 49.0	31.2	7.4 - 55.0	50.2	47.2 - 53.2	49.3	46.1 - 52.5	66.9	48.2 - 85.5
	(NPCR)	3	27.7	23.8 - 31.6	25.9	21.8 - 29.9	16.1	0.0 - 33.9	33.4	30.1 - 36.7	33.1	29.6 - 36.6	32.1	11.3 - 52.9
	· · · · ·	5	23.0	19.1 - 26.9	21.5	17.5 - 25.5	8.6	0.0 - 21.1	27.9	24.2 - 31.6	27.5	23.6 - 31.4	33.9	11.9 - 55.9
	Washington	1	51.5	48.5 - 54.6	50.8	47.5 - 54.2	38.0	19.9 - 56.0	53.1	50.8 - 55.4	52.1	49.5 - 54.6	59.3	48.7 - 69.8
	(NPCR)	3	31.5	28.6 - 34.5	31.1	27.8 - 34.3	19.7	5.0 - 34.4	33.4	30.9 - 35.8	31.4	28.7 - 34.0	41.4	29.0 - 53.7
		5		23.4 - 29.2	25.9	22.7 - 29.1	17.0	2.7 - 31.3		24.5 - 30.4		22.5 - 28.9	40.1	

- 54 55 56
- 57
- 58
- 59 60

Page 31 of 34

		A	Il races	2	001-2003 White		Black	A	Il races	2	004-2009 White	·	Black
	SEER Summary Stage	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% (
UNITED STATES													
	All stages	26.1	25.7 - 26.6	24.9	24.4 - 25.4	26.1	25.0 - 27.3	29.0	28.6 - 29.5	28.0	27.5 - 28.5	28.3	27.1 - 2
	Localized	60.9	59.8 - 62.0	60.0	58.7 - 61.3	58.1	55.1 - 61.1	64.0	62.9 - 65.0	63.0	61.8 - 64.2	61.1	58.4 - 6
	Regional	25.2	24.4 - 26.0	23.5	22.6 - 24.4	27.0	24.9 - 29.1	28.2	27.4 - 29.0	26.9	26.0 - 27.9	28.3	26.0 - 3
	Distant Unknown	4.8 24.4	4.4 - 5.1 23.2 - 25.5	4.5 22.7	4.1 - 4.9 21.4 - 24.0	4.8 24.0	3.8 - 5.8 21.4 - 26.7	5.3 27.9	4.9 - 5.7 26.8 - 29.0	5.0 27.2	4.6 - 5.5 25.9 - 28.6	5.8 25.3	4.8 - 6 22.9 - 2
NORTHEAST	UTIKITOWIT	24.4	23.2 - 23.3	22.1	21.4 - 24.0	24.0	21.4 - 20.7	27.5	20.8 - 29.0	21.2	20.9 - 20.0	25.5	22.9 - 2
New England													
Connecticut	All stages	30.7	27.2 - 34.2	30.3	26.6 - 34.1	23.0	14.9 - 31.1	32.3	29.0 - 35.5	31.2	27.7 - 34.6	34.6	26.7 - 4
(SEER)	Localized	73.0	66.0 - 80.1	72.7	65.1 - 80.3	70.2	49.8 - 90.6	69.1	62.4 - 75.7	67.2	59.8 - 74.5	66.1	46.8 - 6
	Regional	26.5	21.1 - 31.9	26.7	20.8 - 32.5	15.6	2.5 - 28.7	30.0	24.7 - 35.3	29.7	24.1 - 35.4	31.6	16.9 - 4
	Distant	4.6	2.1 - 7.1	4.9	2.1 - 7.7	0.1	0.0 - 0.2	5.8	3.2 - 8.4	5.4	2.7 - 8.1	8.4	0.5 - 1
	Unknown	17.9	9.4 - 26.4	15.5	6.8 - 24.1		-	36.3	27.3 - 45.3	34.4	25.0 - 43.7	40.6	18.0 -
Massachusetts	All stages	29.3	26.7 - 31.9	28.9	26.1 - 31.7	34.8	24.5 - 45.1	35.6	32.9 - 38.2	34.9	32.1 - 37.8	29.6	21.5 - 3
(NPCR)	Localized	70.8	64.9 - 76.8	69.9	63.5 - 76.2	81.0	56.6 - 100.0	77.8	72.5 - 83.1	77.5	71.9 - 83.1	88.4	71.8 -
	Regional	28.9	24.5 - 33.3	28.3	23.7 - 33.0	27.9	10.9 - 44.9	36.0	31.4 - 40.7	35.0	29.9 - 40.0	26.1	11.2 - 4
	Distant	6.1	4.0 - 8.2	5.5	3.3 - 7.6	15.3	3.8 - 26.7	6.0	3.9 - 8.1	6.3	4.1 - 8.5	5.7	0.0 -
	Unknown	15.3	9.6 - 21.1	15.5	9.6 - 21.5		-	28.5	20.2 - 36.8	24.7	16.0 - 33.4	2.0	0.0 - 0
New Hampshire	All stages	21.7	15.8 - 27.6	20.8	14.9 - 26.7		-	29.9	24.0 - 35.8	28.6	22.7 - 34.6		-
(NPCR)	Localized	53.3	36.2 - 70.5	53.5	35.4 - 71.6		-	62.9	44.6 - 81.2	61.7	43.0 - 80.5		-
	Regional	16.2	8.0 - 24.4	15.1	7.2 - 23.0		-	25.1	15.5 - 34.7	24.1	14.7 - 33.4		-
	Distant	3.7	0.0 - 8.0	3.7	0.0 - 8.0		-	4.9	1.3 - 8.6	3.1	0.0 - 6.8		-
	Unknown	20.2	5.4 - 35.1	21.4	5.9 - 36.9		-	23.8	9.1 - 38.5	20.4	6.2 - 34.5		-
Rhode Island	All stages	27.5	21.9 - 33.1	27.7	21.8 - 33.5	29.4	6.3 - 52.5	31.3	25.3 - 37.3	30.8	24.6 - 37.0	34.7	13.7 -
(NPCR)	Localized	74.5	59.4 - 89.5	70.6	55.3 - 85.8		-						-
(Regional	17.4	8.4 - 26.3	18.3	8.9 - 27.8		-		-		-		-
	Distant	5.8	1.5 - 10.1	4.9	0.9 - 8.8		-		-		-		-
	Unknown	13.4	3.4 - 23.4	14.0	3.6 - 24.4		-		-		-		-
Mid Atlantic													
New Jersey	All stages	27.9	25.9 - 30.0	26.7	24.4 - 29.0	27.2	21.9 - 32.6	29.3	27.2 - 31.4	28.9	26.5 - 31.3	25.4	20.3 - 3
(NPCR/SEER)	Localized	61.1	56.3 - 65.8	59.1	53.7 - 64.5	56.2	43.7 - 68.8	66.4	61.5 - 71.4	68.2	62.7 - 73.8	52.1	40.7 -
()	Regional	26.1	22.7 - 29.6	26.6	22.6 - 30.5	23.5	15.2 - 31.7	27.6	23.9 - 31.3	26.7	22.4 - 31.0	21.2	13.7 -
	Distant	3.3	1.9 - 4.6	3.1	1.6 - 4.5	1.6	0.0 - 4.0	3.5	2.1 - 4.9	3.4	1.9 - 4.9	3.1	0.0 -
	Unknown	30.7	24.9 - 36.5	26.5	20.5 - 32.5	17.1	5.1 - 29.1	31.9	25.5 - 38.4	27.5	19.9 - 35.1	29.0	15.9 -
New York	All stages	30.6	29.2 - 31.9	28.4	26.8 - 30.0	30.9	27.6 - 34.2	34.6	33.2 - 36.0	32.3	30.6 - 34.0	32.6	29.5 -
(NPCR)	Localized	65.2	61.9 - 68.5	64.1	60.3 - 68.0	64.1	56.1 - 72.1	72.1	69.0 - 75.2	70.0	66.2 - 73.9	67.6	61.4 -
	Regional	30.0	27.6 - 32.4	27.1	24.4 - 29.8	32.1	26.2 - 37.9	33.3	30.8 - 35.8	31.3	28.4 - 34.3	31.8	25.7 -
	Distant	8.9	7.3 - 10.5	7.7	6.0 - 9.4	8.8	5.2 - 12.4	8.1	6.8 - 9.4	7.1	5.6 - 8.5	9.1	6.3 -
	Unknown	26.7	23.6 - 29.7	23.0	19.5 - 26.5	28.3	21.4 - 35.3	35.6	32.0 - 39.2	33.0	28.8 - 37.3	35.3	27.9 -
Pennsylvania	All stages	23.8	22.1 - 25.6	23.2	21.3 - 25.1	23.6	18.7 - 28.6	28.1	26.2 - 29.9	26.9	24.9 - 28.9	33.5	28.3 -
(NPCR)	Localized	63.4	58.9 - 67.8	62.6	57.9 - 67.4	60.9	45.7 - 76.2	66.4	62.0 - 70.9	66.3	61.6 - 71.1	67.6	56.8 -
	Regional	21.0	18.3 - 23.7	20.3	17.5 - 23.2	19.4	12.1 - 26.7	26.4	23.2 - 29.7	26.2	22.7 - 29.7	33.1	24.4 -
	Distant	2.9	1.7 - 4.0	2.7	1.5 - 3.9	3.9	1.3 - 6.5	3.9	2.6 - 5.2	3.0	1.8 - 4.3	9.8	5.0 -
	Unknown	22.6	17.4 - 27.8	19.9	14.2 - 25.6	19.8	8.5 - 31.0	25.6	19.7 - 31.6	23.9	18.2 - 29.6	13.0	3.3 -
SOUTH													
South Atlantic Delaware	All stages	30.7	23.1 - 38.2	30.0	21.6 - 38.5	28.4	12.7 - 44.1	28.8	22.6 - 34.9	28.4	21.6 - 35.1	28.0	13.4 -
(NPCR)	Localized	72.1	53.7 - 90.5	67.3	48.1 - 86.4	20.4 75.4	35.0 - 100.0	20.0 59.6	41.1 - 78.0	20.4 58.3	35.4 - 81.2	28.0 58.4	27.7 -
(INF UIX)	Regional	22.8	53.7 - 90.5 10.8 - 34.7	28.6	40.1 - 00.4 12.8 - 44.4	75.4 0.0	-	33.8	41.1 - 78.0 24.2 - 43.3	38.3	27.3 - 49.3	56.4 20.6	27.7 - 1.1 -
	Distant	4.3	0.0 - 9.6	3.1	0.0 - 7.9	7.7	- 0.0 - 19.1	5.2	0.3 - 10.1	4.5	0.0 - 9.5	7.9	0.0 -
	Unknown	4.5 19.3	1.2 - 37.3	11.0	0.0 - 7.9	1.1	-	21.5	6.2 - 36.8	4.5 11.4	0.0 - 9.3 0.0 - 24.1	1.5	- 0.0
Florido						20.4						24.0	27.0
Florida	All stages Localized	27.7	26.1 - 29.2 57 3 - 65 0	26.9 61.0	25.2 - 28.6 56 7 - 65 4	30.4 57.3	26.3 - 34.5 47.2 - 67.4	36.2	34.6 - 37.8 66.8 - 73.9	36.6	34.9 - 38.4 67 8 - 75 2	31.6 58 9	27.2 - 47.3 -
(NPCR)		61.2 26.5	57.3 - 65.0 23.9 - 29.1	61.0 25.2	56.7 - 65.4 22.3 - 28.0	57.3 33.2	47.2 - 67.4 26.1 - 40.4	70.4 34.0		71.5 33.9	67.8 - 75.2 30.6 - 37.3	58.9 33.2	47.3 - 25.7 -
	Regional Distant	26.5 6.7	23.9 - 29.1 5.2 - 8.3	25.2 6.7	22.3 - 28.0 5.0 - 8.3	33.2 6.9	26.1 - 40.4 3.4 - 10.4	34.0 11.5	30.9 - 37.1 9.6 - 13.5		30.6 - 37.3 9.2 - 13.7	33.2 10.7	25.7 - 7.0 -
	Unknown	28.6	5.2 - 6.3 24.6 - 32.6	26.6	5.0 - 8.3 22.3 - 30.9	36.2	3.4 - 10.4 26.6 - 45.7	38.6	9.6 - 13.5 34.9 - 42.2	11.4 40.1	9.2 - 13.7 35.9 - 44.2	28.3	20.7 -
0													
Georgia	All stages	24.9	22.4 - 27.5	24.1	20.8 - 27.4	24.6	20.5 - 28.8	28.0	25.5 - 30.4	27.3	24.1 - 30.5	29.5	25.6 -
(NPCR/SEER)	Localized	57.4	51.1 - 63.7	57.1	49.1 - 65.2	56.3	46.8 - 65.9	58.9	53.5 - 64.2	57.5	50.5 - 64.4	61.4	53.7 -
	Regional	21.5	17.4 - 25.7	18.5	13.4 - 23.6	20.5	14.0 - 26.9	24.6	19.9 - 29.3	23.4	17.8 - 29.0	26.9	18.6 -
	Distant	1.7	0.7 - 2.8	1.4	0.2 - 2.6	1.7	0.1 - 3.3	3.3	1.7 - 4.9	3.5	1.5 - 5.4	2.5	0.5 -
	Unknown	28.9	21.8 - 36.0	21.3	12.8 - 29.9	27.7	16.0 - 39.3	29.4	22.4 - 36.5	23.0	14.6 - 31.4	32.1	22.1 -
Maryland	All stages	26.8	23.5 - 30.0	23.8	19.7 - 27.8	25.4	19.7 - 31.1	28.8	25.7 - 31.9	28.2	24.2 - 32.2	26.4	21.2 -
(NPCR)	Localized		-		-		-		-		-		-
	Regional		-		-		-		-		-		-
	Distant		-		-		-		-		-		-
	Unknown												

Page	32	of	34
------	----	----	----

SEER Summary Stage All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages	NS (%) 25.6 60.7 21.4 2.2 30.0 25.2 59.1 20.1 5.3	95% CI 23.0 - 28.1 54.9 - 66.6 17.1 - 25.6 1.0 - 3.4 22.7 - 37.4 22.0 - 28.5 51.0 - 67.2 15.3 - 24.9	NS (%) 25.1 62.5 17.3 1.3 27.1 25.8 65.2	95% Cl 22.1 - 28.2 55.6 - 69.3 12.7 - 21.9 0.2 - 2.4 18.2 - 35.9	NS (%) 23.8 54.2 28.5 3.3	95% Cl 19.2 - 28.4 43.6 - 64.9 20.3 - 36.7	NS (%) 29.2 63.8	95% CI 26.7 - 31.7	NS (%) 29.0	95% CI 25.9 - 32.1	NS (%) 27.8	95% CI 23.7 - 31.
All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages	25.6 60.7 21.4 2.2 30.0 25.2 59.1 20.1	23.0 - 28.1 54.9 - 66.6 17.1 - 25.6 1.0 - 3.4 22.7 - 37.4 22.0 - 28.5 51.0 - 67.2	25.1 62.5 17.3 1.3 27.1 25.8	22.1 - 28.2 55.6 - 69.3 12.7 - 21.9 0.2 - 2.4	23.8 54.2 28.5 3.3	19.2 - 28.4 43.6 - 64.9	29.2	26.7 - 31.7	29.0			
Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages	60.7 21.4 2.2 30.0 25.2 59.1 20.1	54.9 - 66.6 17.1 - 25.6 1.0 - 3.4 22.7 - 37.4 22.0 - 28.5 51.0 - 67.2	62.5 17.3 1.3 27.1 25.8	55.6 - 69.3 12.7 - 21.9 0.2 - 2.4	54.2 28.5 3.3	43.6 - 64.9				20.0 - 02.1	21.0	20.7 - 01.
Regional Distant Unknown All stages Localized Regional Distant Unknown All stages	21.4 2.2 30.0 25.2 59.1 20.1	17.1 - 25.6 1.0 - 3.4 22.7 - 37.4 22.0 - 28.5 51.0 - 67.2	17.3 1.3 27.1 25.8	12.7 - 21.9 0.2 - 2.4	28.5 3.3			58.6 - 69.0	61.3	54.7 - 67.8	66.0	57.0 - 75.
Distant Unknown All stages Localized Regional Distant Unknown All stages	2.2 30.0 25.2 59.1 20.1	1.0 - 3.4 22.7 - 37.4 22.0 - 28.5 51.0 - 67.2	27.1 25.8	0.2 - 2.4			26.7	22.1 - 31.4	26.1	20.4 - 31.8	27.4	20.0 - 34
All stages Localized Regional Distant Unknown All stages	25.2 59.1 20.1	22.0 - 28.5 51.0 - 67.2	25.8	18.2 - 35.9		0.8 - 5.8	3.9	2.4 - 5.4	4.8	2.7 - 6.9	2.7	1.1 - 4.3
Localized Regional Distant Unknown All stages	59.1 20.1	51.0 - 67.2			11.3	1.3 - 21.3	30.2	23.4 - 37.0	33.4	24.8 - 42.0	22.7	14.3 - 31
Regional Distant Unknown All stages	20.1			21.5 - 30.1 55.1 - 75.2	22.5 44.8	17.8 - 27.3 33.3 - 56.4	26.9 56.6	23.7 - 30.1 49.2 - 64.0	29.7 57.9	25.4 - 34.0 49.0 - 66.9	22.0 53.4	17.2 - 26 42.0 - 64
Distant Unknown All stages			16.8	11.3 - 22.4	24.0	16.0 - 32.0	26.8	21.0 - 32.6	29.7	49.0 - 00.9 22.3 - 37.1	22.0	14.8 - 29
Unknown All stages		2.5 - 8.1	5.3	1.8 - 8.7	4.7	1.3 - 8.1	4.0	2.2 - 5.8	4.6	2.2 - 7.0	3.8	1.6 - 6.0
-	23.9	15.6 - 32.2	23.5	10.9 - 36.0	15.6	4.5 - 26.7	18.3	11.9 - 24.6	23.1	12.9 - 33.4	13.2	5.2 - 21
La se Persol	20.8	16.2 - 25.4	20.5	15.8 - 25.1	23.7	2.3 - 45.0	22.8	18.4 - 27.1	22.9	18.4 - 27.3	23.8	4.5 - 43
Localized	41.4	29.8 - 53.0	39.1	27.4 - 50.7		-	58.9	49.2 - 68.6	59.9	50.0 - 69.9		-
Regional	15.3	8.9 - 21.6	15.3	9.0 - 21.7		-	12.5	6.6 - 18.3	11.8	6.2 - 17.5	48.8	14.7 - 83
Distant	1.2	0.0 - 3.1	1.3	0.0 - 3.2		-	0.0	0.0 - 0.0		-	0.4	0.0 - 1.
Unknown	18.3	7.7 - 29.0	19.9	8.4 - 31.4		-	29.5	20.4 - 38.6	31.5	21.8 - 41.1		-
	27.8	24.4 - 31.2	27.1	23.0 - 31.2	29.4	23.5 - 35.2	26.9	23.8 - 30.1	28.4	24.5 - 32.3	24.1	19.0 - 29
-												38.5 - 61
	26.6	21.2 - 32.0	21.6	16.1 - 27.1	38.6	28.2 - 49.0	20.6	15.4 - 25.7	20.9	14.8 - 27.1	18.6	11.6 - 25
-	3.7	1.3 - 6.0	3.9	1.1 - 6.8		0.0 - 6.6	6.7	4.0 - 9.4	6.4	3.7 - 9.0	7.3	3.8 - 10
Unknown	18.4	10.4 - 26.3	19.1	8.6 - 29.6	18.3	6.1 - 30.5	25.8	19.6 - 32.0	16.6	8.2 - 25.0	18.0	2.8 - 3
All stages	20.7	17.4 - 24.1	21.1	17.6 - 24.6	15.9	5.9 - 25.9	27.8	24.5 - 31.2	27.6	24.1 - 31.1	31.3	23.0 - 39
Localized	45.4	37.5 - 53.4	46.5	38.1 - 54.8	30.4	6.4 - 54.3	65.1	58.0 - 72.1	63.2	55.8 - 70.6	72.8	38.9 - 10
Regional	16.5	11.3 - 21.8	15.8	10.4 - 21.3	18.7	3.3 - 34.1	22.5	16.8 - 28.1	22.9	17.0 - 28.7	12.9	0.0 - 2
Distant	2.3	0.5 - 4.1	2.0	0.2 - 3.7	6.5	0.0 - 16.2	2.8	1.1 - 4.5	2.8	1.0 - 4.7	4.8	0.0 - 1
Unknown	19.8	12.5 - 27.1	20.8	12.9 - 28.6	3.0	0.0 - 9.8	16.9	10.5 - 23.3	17.8	10.9 - 24.7		-
All stages	33.6	26.3 - 40.8	33.2	24.2 - 42.1	35.8	24.3 - 47.2	23.8	19.8 - 27.9	23.0	17.6 - 28.4	26.8	21.1 - 3
												53.4 - 7
-				7.4 - 39.0								15.3 - 2
				- 24.3 - 74.0								0.8 - 9. 8.2 - 2
												17.9 - 3
Localized	40.2	27.6 - 52.8	36.5	23.6 - 49.4	58.5	19.3 - 97.7	54.4	47.7 - 61.0	54.5	46.9 - 62.1	51.1	38.1 - 6
Regional	19.0	12.2 - 25.9	16.1	8.0 - 24.2	31.7	11.0 - 52.4	27.9	22.8 - 33.0	28.9	23.3 - 34.4	24.4	13.8 - 3
Distant	1.6	0.0 - 4.2	1.8	0.0 - 4.7		-	6.1	3.6 - 8.5	6.7	3.9 - 9.6	5.0	0.3 - 9.
Unknown	18.2	5.5 - 30.9	14.0	2.5 - 25.6		-	30.2	23.0 - 37.4	32.3	24.2 - 40.3	20.6	11.4 - 2
				~ ~ ~ ~ ~		~ ~ ~ ~ ~						
-												19.9 - 2
												40.8 - 5
-												17.9 - 3 1.7 - 6
												11.1 - 3
												29.4 - 5
0												29.4 - 5 44.0 - 9
												28.6 - 7
-												0.0 - 2
Unknown	17.5	9.2 - 25.9	17.1	7.8 - 26.4	26.2	3.2 - 49.1	22.3	15.9 - 28.7	22.6	15.1 - 30.1	21.8	3.4 - 4
All stages	25.2	23.6 - 26.8	24.8	23.1 - 26.5	23.9	20.0 - 27.8	27.6	26.0 - 29.1	26.5	24.8 - 28.1	26.9	23.0 - 3
Localized	54.4	50.2 - 58.6	53.1	48.5 - 57.8	58.4	47.7 - 69.0	58.6	55.1 - 62.2	57.6	53.6 - 61.6	61.9	53.6 - 7
Regional	24.2	21.5 - 26.9	23.3	20.4 - 26.2	25.2	18.5 - 32.0	27.4	24.7 - 30.2	24.8	21.8 - 27.8	31.6	23.7 - 3
Distant	6.3	4.8 - 7.8	6.6		4.8	2.1 - 7.6	5.3		5.0	3.6 - 6.3	3.6	1.5 - 5
Unknown	27.8	24.1 - 31.6	28.0	23.8 - 32.2	19.1	11.7 - 26.5	28.9	24.9 - 32.9	26.8	22.3 - 31.2	26.5	18.8 - 3
al												
	24.9	22.7 - 27.1	24.1	21.7 - 26.6	25.0	20.3 - 29.6	27.3	25.2 - 29.3	25.8	23.4 - 28.1	28.3	23.7 - 3
Localized	58.6	53.4 - 63.8	59.5	53.5 - 65.4	53.6	43.3 - 64.0	60.4	55.4 - 65.4	59.5	53.8 - 65.2	60.0	49.1 - 7
Regional	23.4	19.7 - 27.2	22.1	18.0 - 26.3	24.1	16.7 - 31.5	25.2	20.9 - 29.4	23.7	19.2 - 28.2	29.0	19.8 - 3
Distant	4.3	2.6 - 5.9	4.2	2.3 - 6.1	5.0	2.1 - 8.0	4.9	3.0 - 6.7	4.3	2.5 - 6.2	6.1	2.3 - 9
												18.6 - 3
All stages	25.2		24.1		24.6		24.5				29.8	24.8 - 3
												58.0 - 8
-												25.4 - 4
												3.0 - 1 5.4 - 2
	All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown All stages Localized Regional Distant Unknown	aiAll stages27.8Localized58.7Regional26.6Distant3.7Unknown18.4All stages20.7Localized45.4Regional16.5Distant2.3Unknown19.8All stages27.6Distant5.5Unknown33.7All stages22.4Localized40.2Regional16.5Distant7.6Distant1.6Unknown18.2Regional19.0Distant1.6Unknown18.2Regional55.2Regional15.7Unknown8.0All stages19.7Localized37.7Regional17.4Distant4.6Unknown17.5All stages19.7Localized55.2Localized54.4Regional21.4Distant4.6Unknown27.8All stages25.2Localized58.6Regional23.4Distant4.3Unknown17.7All stages25.2Localized58.6Regional21.4Distant4.3Unknown17.7All stages25.2Localized58.6Regional21.5Distant4.3Unknown17.7All stages25.2	al All stages 27.8 24.4 - 31.2 Localized 58.7 51.2 - 66.1 Regional 26.6 21.2 - 32.0 Distant 3.7 1.3 - 6.0 Unknown 18.4 10.4 - 26.3 All stages 20.7 17.4 - 24.1 Localized 45.4 37.5 - 53.4 Regional 16.5 11.3 - 21.8 Distant 2.3 0.5 - 4.1 Unknown 19.8 12.5 - 27.1 All stages 33.6 26.3 - 40.8 Localized 56.4 41.3 - 71.4 Regional 27.6 1.4.9 - 40.4 Distant 5.5 0.0 - 12.2 Unknown 33.7 15.5 - 51.8 Regional 19.0 12.2 - 25.9 Distant 1.6 0.0 - 4.2 Unknown 18.2 52.2 28.3 All stages 25.5 22.2 - 28.3 Distant 5.7 3.2 - 8.3 Unknown 18.2 25.5 3.0.8 Distant 5.7 3.2 - 8.3 <t< td=""><td>al All stages 27.8 24.4 - 31.2 27.1 Localized 58.7 51.2 - 66.1 56.8 Regional 26.6 21.2 - 32.0 21.6 Distant 3.7 1.3 - 6.0 3.9 Unknown 18.4 10.4 - 26.3 19.1 All stages 20.7 17.4 - 24.1 21.1 Localized 45.4 37.5 - 53.4 46.5 Regional 16.5 11.3 - 21.8 15.8 Distant 2.3 0.5 - 4.1 2.0 Unknown 19.8 12.5 - 27.1 20.8 All stages 33.6 26.3 - 40.8 33.2 Localized 56.4 41.3 - 71.4 45.2 Regional 27.6 14.9 - 40.4 23.2 Distant 5.5 0.0 - 12.2 0.0 Unknown 33.7 15.5 - 51.8 49.1 All stages 22.4 17.5 - 27.3 19.5 Localized 40.2 27.6 - 52.8 36.5 Regional 16.0 0.7 - 4.2 1.8 Unknow</td><td>All Stages 27.8 24.4 - 31.2 27.1 23.0 - 31.2 Localized 58.7 51.2 - 66.1 56.8 48.2 - 65.5 Regional 26.6 21.2 - 32.0 21.6 16.1 - 27.1 Distant 3.7 1.3 - 6.0 3.9 1.1 - 6.8 Unknown 18.4 10.4 - 26.3 19.1 8.6 - 29.6 All stages 20.7 17.4 - 24.1 21.1 17.6 - 24.6 Localized 45.4 37.5 - 53.4 46.5 38.1 - 54.8 Regional 16.5 11.3 - 21.8 10.4 - 21.3 Distant 2.3 0.5 - 4.1 2.0 0.2 - 3.7 Unknown 19.8 12.5 - 27.1 20.8 12.9 - 28.6 All stages 2.6.6 4.1.3 - 71.4 45.2 28.1 - 62.3 Regional 27.6 14.9 - 40.4 23.2 7.4 - 39.0 Distant 5.5 0.0 - 12.2 0.0 - Unknown 33.7 15.5 - 51.8 49.1 24.3 - 74.0 24.2 21.5 23.6 - 49.4 Regional 19.0 12.2 - 25.9 16.1 8.0 - 24.2 <t< td=""><td>al Nome All stages 27.8 24.4 - 31.2 27.1 23.0 - 31.2 29.4 Localized 58.7 51.2 - 66.1 56.8 48.2 - 65.5 59.9 Regional 26.6 21.2 - 32.0 21.6 16.1 - 27.1 38.6 Distant 3.7 1.3 - 60.0 3.9 1.1 - 6.8 32.2 Unknown 18.4 10.4 - 26.3 19.1 8.6 - 29.6 18.3 All stages 20.7 17.4 - 24.1 21.1 17.6 - 24.6 15.9 Localized 45.4 37.5 - 53.4 46.5 38.1 - 54.8 30.4 Regional 16.5 11.3 - 21.8 15.8 10.4 - 21.3 18.7 Distant 2.3 0.5 - 4.1 2.0 0.2 - 3.7 6.5 Unknown 19.8 12.5 - 27.1 20.8 12.9 - 28.6 3.0 Regional 2.6 41.3 - 71.4 45.2 28.1 - 62.3 80.4 Localized 56.4 41.3 - 71.4 45.2 28.1 - 62.3 80.4 Localized 50.0 12.2 0.0 -<</td><td>al Vietness Vietness Vietness Vietness All stages 27.8 24.4 - 31.2 27.1 23.0 - 31.2 29.4 23.5 - 35.2 Localized 58.7 51.2 - 66.1 56.8 48.2 - 65.5 59.9 44.5 - 75.4 Regional 26.6 21.2 - 32.0 21.6 16.1 - 71.1 38.6 28.2 - 49.0 Distant 3.7 1.3 - 6.0 3.9 1.1 - 6.8 3.2 0.0 - 6.6 Unknown 18.4 10.4 - 26.3 19.1 8.6 - 29.6 18.3 6.1 - 30.5 All stages 20.7 17.4 - 24.1 21.1 17.6 - 24.6 15.9 5.9 - 25.9 Localized 45.4 37.5 - 53.4 46.5 38.1 - 54.8 30.4 6.4 - 54.3 Distant 2.3 0.5 - 4.1 2.0 0.2 - 3.7 6.5 0.0 - 16.2 Unknown 19.8 12.5 - 27.1 20.8 12.9 - 28.6 3.0 0.0 - 9.8 All stages 3.3 2 2.4 - 24.1 31.8 12.5 - 60.2 Distant 5.5 0.0 - 12.2 0.0 -</td><td>al Viet <</td><td>al View V</td><td>Al stages 27.8 24.4 · 31.2 27.1 23.0 · 31.2 29.4 23.5 · 35.2 26.9 23.8 · 30.1 28.4 Regional 26.6 21.2 · 32.0 21.6 16.1 · 27.1 38.6 28.2 · 49.0 20.6 15.4 · 25.7 54 Al stages 20.7 17.4 · 24.1 21.1 17.6 · 24.6 15.9 5.9 · 25.9 27.8 24.5 · 31.2 27.6 Localized 45.4 7.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 27.6 Localized 45.4 7.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 27.6 Localized 45.4 37.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 28.2 Unknown 15.8 11.3 · 21.8 15.8 10.4 · 21.3 17.8 · 3.3 · 34.1 22.5 16.8 · 28.1 22.9 Distant 2.3 0.5 · 4.1 2.0 0.2 · 37 6.5 0.0 · 16.2 2.8 11.1 · 4.5 2.8 Unknown 15.8 12.5 · 27.1 20.8 12.9 · 28.6 3.0 0.0 · 9.8 16.9 10.5 · 23.3 17.8 Al stages 36. 26.3 · 40.8 33.2 24.2 · 42.1 35.8 24.3 · 47.2 23.8 19.8 · 27.9 23.0 Localized 56.4 11.3 · 71.4 45.2 28.1 · 62.3 80.4 55.8 · 100.0 52.2 43.2 · 61.1 · 43. Regional 27.6 14.9 · 40.4 23.2 7.4 · 39.0 31.1 25.5 60.0 18.8 126 · 24.9 15.5 Distant 5.5 0.0 · 12.2 0.0 · 9.9 0.0 · 21.5 2.4 0.0 · 5.3 2.8 Unknown 33.7 15.5 · 57.8 49.1 24.3 · 74.0 15.9 0.0 · 35.7 26.0 18.1 26.3 24.9 15.5 Distant 5.5 0.0 · 12.2 0.0 · 9.9 0.0 · 21.5 2.4 0.0 · 5.3 2.8 Unknown 18.2 417.5 · 27.3 19.5 14.4 · 24.6 31.8 15.6 · 47.0 20.8 18.8 126 · 24.9 15.5 Distant 6.0 0 · 4.2 1.8 0.0 · 4.7 · 6.1 3.6 · 5.5 6.7 Unknown 18.2 5.5 · 30.9 14.0 2.5 · 25.6 · . 30.2 23.0 · 37.4 32.3 1.4 stages 25.3 22.2 · 28.3 36.5 13.6 · 49.4 56.5 19.3 · 97.7 64.4 47.7 · 61.0 54.5 Regional 19.0 12.2 · 25.9 16.1 8.0 · 24.2 37.7 11.0 · 52.4 27.9 22.8 · 33.0 · 28.9 Distant 1.6 0.0 · 4.2 1.8 0.0 · 4.7 · . 61.3 8.8 5 6.7 1 Unknown 18.2 5.5 · 30.9 14.0 2.5 · 25.6 · . 30.2 23.0 · 7.7 24.8 · 32.3 1.4 stages 25.3 22.2 · 28.3 24.4 14.6 · 22.3 32.7 14.9 · 23.1 27.6 28.8 21.2 · 24.8 20.5 · 28.5 24.9 · 23.1 · 27.8 26.3 32.3 · 24.8 30.1 · 68.4 50.4 44.2 · 66.7 1.4 · 24.8 30.1 · 68.4 50.4 44.2 · 66.7 1.4 · 24.8 30.7 · 68.4 50.4 · 68.5 51.4 · 22.7 · 23.7 4.7 · 23.9 · 24.5 2.3 · 24.7 · 23.9 · 24.5 2.3 · 24.7 · 23.9 · 24.5 2.3 · 24.7</td><td>Al stages 27.8 24.4 21.7 23.0 30.1 28.4 24.5 32.3 Regional 26.6 51.2 66.1 66.2 42.5 32.0 46.5 59.9 44.5 75.4 46.5 59.7 54.4 46.5 62.6 21.6 66.2 22.0 21.6 16.1 27.1 38.6 28.2 40.0 20.6 15.4 25.7 20.4 64.4 37.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 24.7 24.7 24.5 16.8 12.7 16.8 12.6 22.8 11.1 45.8 10.4 12.7 10.8 12.6 22.8 <t< td=""><td>Al Singles ZiA Subscription Subscrin Subscriptio</td></t<></td></t<></td></t<>	al All stages 27.8 24.4 - 31.2 27.1 Localized 58.7 51.2 - 66.1 56.8 Regional 26.6 21.2 - 32.0 21.6 Distant 3.7 1.3 - 6.0 3.9 Unknown 18.4 10.4 - 26.3 19.1 All stages 20.7 17.4 - 24.1 21.1 Localized 45.4 37.5 - 53.4 46.5 Regional 16.5 11.3 - 21.8 15.8 Distant 2.3 0.5 - 4.1 2.0 Unknown 19.8 12.5 - 27.1 20.8 All stages 33.6 26.3 - 40.8 33.2 Localized 56.4 41.3 - 71.4 45.2 Regional 27.6 14.9 - 40.4 23.2 Distant 5.5 0.0 - 12.2 0.0 Unknown 33.7 15.5 - 51.8 49.1 All stages 22.4 17.5 - 27.3 19.5 Localized 40.2 27.6 - 52.8 36.5 Regional 16.0 0.7 - 4.2 1.8 Unknow	All Stages 27.8 24.4 - 31.2 27.1 23.0 - 31.2 Localized 58.7 51.2 - 66.1 56.8 48.2 - 65.5 Regional 26.6 21.2 - 32.0 21.6 16.1 - 27.1 Distant 3.7 1.3 - 6.0 3.9 1.1 - 6.8 Unknown 18.4 10.4 - 26.3 19.1 8.6 - 29.6 All stages 20.7 17.4 - 24.1 21.1 17.6 - 24.6 Localized 45.4 37.5 - 53.4 46.5 38.1 - 54.8 Regional 16.5 11.3 - 21.8 10.4 - 21.3 Distant 2.3 0.5 - 4.1 2.0 0.2 - 3.7 Unknown 19.8 12.5 - 27.1 20.8 12.9 - 28.6 All stages 2.6.6 4.1.3 - 71.4 45.2 28.1 - 62.3 Regional 27.6 14.9 - 40.4 23.2 7.4 - 39.0 Distant 5.5 0.0 - 12.2 0.0 - Unknown 33.7 15.5 - 51.8 49.1 24.3 - 74.0 24.2 21.5 23.6 - 49.4 Regional 19.0 12.2 - 25.9 16.1 8.0 - 24.2 <t< td=""><td>al Nome All stages 27.8 24.4 - 31.2 27.1 23.0 - 31.2 29.4 Localized 58.7 51.2 - 66.1 56.8 48.2 - 65.5 59.9 Regional 26.6 21.2 - 32.0 21.6 16.1 - 27.1 38.6 Distant 3.7 1.3 - 60.0 3.9 1.1 - 6.8 32.2 Unknown 18.4 10.4 - 26.3 19.1 8.6 - 29.6 18.3 All stages 20.7 17.4 - 24.1 21.1 17.6 - 24.6 15.9 Localized 45.4 37.5 - 53.4 46.5 38.1 - 54.8 30.4 Regional 16.5 11.3 - 21.8 15.8 10.4 - 21.3 18.7 Distant 2.3 0.5 - 4.1 2.0 0.2 - 3.7 6.5 Unknown 19.8 12.5 - 27.1 20.8 12.9 - 28.6 3.0 Regional 2.6 41.3 - 71.4 45.2 28.1 - 62.3 80.4 Localized 56.4 41.3 - 71.4 45.2 28.1 - 62.3 80.4 Localized 50.0 12.2 0.0 -<</td><td>al Vietness Vietness Vietness Vietness All stages 27.8 24.4 - 31.2 27.1 23.0 - 31.2 29.4 23.5 - 35.2 Localized 58.7 51.2 - 66.1 56.8 48.2 - 65.5 59.9 44.5 - 75.4 Regional 26.6 21.2 - 32.0 21.6 16.1 - 71.1 38.6 28.2 - 49.0 Distant 3.7 1.3 - 6.0 3.9 1.1 - 6.8 3.2 0.0 - 6.6 Unknown 18.4 10.4 - 26.3 19.1 8.6 - 29.6 18.3 6.1 - 30.5 All stages 20.7 17.4 - 24.1 21.1 17.6 - 24.6 15.9 5.9 - 25.9 Localized 45.4 37.5 - 53.4 46.5 38.1 - 54.8 30.4 6.4 - 54.3 Distant 2.3 0.5 - 4.1 2.0 0.2 - 3.7 6.5 0.0 - 16.2 Unknown 19.8 12.5 - 27.1 20.8 12.9 - 28.6 3.0 0.0 - 9.8 All stages 3.3 2 2.4 - 24.1 31.8 12.5 - 60.2 Distant 5.5 0.0 - 12.2 0.0 -</td><td>al Viet <</td><td>al View V</td><td>Al stages 27.8 24.4 · 31.2 27.1 23.0 · 31.2 29.4 23.5 · 35.2 26.9 23.8 · 30.1 28.4 Regional 26.6 21.2 · 32.0 21.6 16.1 · 27.1 38.6 28.2 · 49.0 20.6 15.4 · 25.7 54 Al stages 20.7 17.4 · 24.1 21.1 17.6 · 24.6 15.9 5.9 · 25.9 27.8 24.5 · 31.2 27.6 Localized 45.4 7.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 27.6 Localized 45.4 7.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 27.6 Localized 45.4 37.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 28.2 Unknown 15.8 11.3 · 21.8 15.8 10.4 · 21.3 17.8 · 3.3 · 34.1 22.5 16.8 · 28.1 22.9 Distant 2.3 0.5 · 4.1 2.0 0.2 · 37 6.5 0.0 · 16.2 2.8 11.1 · 4.5 2.8 Unknown 15.8 12.5 · 27.1 20.8 12.9 · 28.6 3.0 0.0 · 9.8 16.9 10.5 · 23.3 17.8 Al stages 36. 26.3 · 40.8 33.2 24.2 · 42.1 35.8 24.3 · 47.2 23.8 19.8 · 27.9 23.0 Localized 56.4 11.3 · 71.4 45.2 28.1 · 62.3 80.4 55.8 · 100.0 52.2 43.2 · 61.1 · 43. Regional 27.6 14.9 · 40.4 23.2 7.4 · 39.0 31.1 25.5 60.0 18.8 126 · 24.9 15.5 Distant 5.5 0.0 · 12.2 0.0 · 9.9 0.0 · 21.5 2.4 0.0 · 5.3 2.8 Unknown 33.7 15.5 · 57.8 49.1 24.3 · 74.0 15.9 0.0 · 35.7 26.0 18.1 26.3 24.9 15.5 Distant 5.5 0.0 · 12.2 0.0 · 9.9 0.0 · 21.5 2.4 0.0 · 5.3 2.8 Unknown 18.2 417.5 · 27.3 19.5 14.4 · 24.6 31.8 15.6 · 47.0 20.8 18.8 126 · 24.9 15.5 Distant 6.0 0 · 4.2 1.8 0.0 · 4.7 · 6.1 3.6 · 5.5 6.7 Unknown 18.2 5.5 · 30.9 14.0 2.5 · 25.6 · . 30.2 23.0 · 37.4 32.3 1.4 stages 25.3 22.2 · 28.3 36.5 13.6 · 49.4 56.5 19.3 · 97.7 64.4 47.7 · 61.0 54.5 Regional 19.0 12.2 · 25.9 16.1 8.0 · 24.2 37.7 11.0 · 52.4 27.9 22.8 · 33.0 · 28.9 Distant 1.6 0.0 · 4.2 1.8 0.0 · 4.7 · . 61.3 8.8 5 6.7 1 Unknown 18.2 5.5 · 30.9 14.0 2.5 · 25.6 · . 30.2 23.0 · 7.7 24.8 · 32.3 1.4 stages 25.3 22.2 · 28.3 24.4 14.6 · 22.3 32.7 14.9 · 23.1 27.6 28.8 21.2 · 24.8 20.5 · 28.5 24.9 · 23.1 · 27.8 26.3 32.3 · 24.8 30.1 · 68.4 50.4 44.2 · 66.7 1.4 · 24.8 30.1 · 68.4 50.4 44.2 · 66.7 1.4 · 24.8 30.7 · 68.4 50.4 · 68.5 51.4 · 22.7 · 23.7 4.7 · 23.9 · 24.5 2.3 · 24.7 · 23.9 · 24.5 2.3 · 24.7 · 23.9 · 24.5 2.3 · 24.7</td><td>Al stages 27.8 24.4 21.7 23.0 30.1 28.4 24.5 32.3 Regional 26.6 51.2 66.1 66.2 42.5 32.0 46.5 59.9 44.5 75.4 46.5 59.7 54.4 46.5 62.6 21.6 66.2 22.0 21.6 16.1 27.1 38.6 28.2 40.0 20.6 15.4 25.7 20.4 64.4 37.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 24.7 24.7 24.5 16.8 12.7 16.8 12.6 22.8 11.1 45.8 10.4 12.7 10.8 12.6 22.8 <t< td=""><td>Al Singles ZiA Subscription Subscrin Subscriptio</td></t<></td></t<>	al Nome All stages 27.8 24.4 - 31.2 27.1 23.0 - 31.2 29.4 Localized 58.7 51.2 - 66.1 56.8 48.2 - 65.5 59.9 Regional 26.6 21.2 - 32.0 21.6 16.1 - 27.1 38.6 Distant 3.7 1.3 - 60.0 3.9 1.1 - 6.8 32.2 Unknown 18.4 10.4 - 26.3 19.1 8.6 - 29.6 18.3 All stages 20.7 17.4 - 24.1 21.1 17.6 - 24.6 15.9 Localized 45.4 37.5 - 53.4 46.5 38.1 - 54.8 30.4 Regional 16.5 11.3 - 21.8 15.8 10.4 - 21.3 18.7 Distant 2.3 0.5 - 4.1 2.0 0.2 - 3.7 6.5 Unknown 19.8 12.5 - 27.1 20.8 12.9 - 28.6 3.0 Regional 2.6 41.3 - 71.4 45.2 28.1 - 62.3 80.4 Localized 56.4 41.3 - 71.4 45.2 28.1 - 62.3 80.4 Localized 50.0 12.2 0.0 -<	al Vietness Vietness Vietness Vietness All stages 27.8 24.4 - 31.2 27.1 23.0 - 31.2 29.4 23.5 - 35.2 Localized 58.7 51.2 - 66.1 56.8 48.2 - 65.5 59.9 44.5 - 75.4 Regional 26.6 21.2 - 32.0 21.6 16.1 - 71.1 38.6 28.2 - 49.0 Distant 3.7 1.3 - 6.0 3.9 1.1 - 6.8 3.2 0.0 - 6.6 Unknown 18.4 10.4 - 26.3 19.1 8.6 - 29.6 18.3 6.1 - 30.5 All stages 20.7 17.4 - 24.1 21.1 17.6 - 24.6 15.9 5.9 - 25.9 Localized 45.4 37.5 - 53.4 46.5 38.1 - 54.8 30.4 6.4 - 54.3 Distant 2.3 0.5 - 4.1 2.0 0.2 - 3.7 6.5 0.0 - 16.2 Unknown 19.8 12.5 - 27.1 20.8 12.9 - 28.6 3.0 0.0 - 9.8 All stages 3.3 2 2.4 - 24.1 31.8 12.5 - 60.2 Distant 5.5 0.0 - 12.2 0.0 -	al Viet <	al View V	Al stages 27.8 24.4 · 31.2 27.1 23.0 · 31.2 29.4 23.5 · 35.2 26.9 23.8 · 30.1 28.4 Regional 26.6 21.2 · 32.0 21.6 16.1 · 27.1 38.6 28.2 · 49.0 20.6 15.4 · 25.7 54 Al stages 20.7 17.4 · 24.1 21.1 17.6 · 24.6 15.9 5.9 · 25.9 27.8 24.5 · 31.2 27.6 Localized 45.4 7.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 27.6 Localized 45.4 7.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 27.6 Localized 45.4 37.5 · 53.4 46.5 38.1 · 54.8 30.4 64 · 54.3 65.1 58.0 · 72.1 28.2 Unknown 15.8 11.3 · 21.8 15.8 10.4 · 21.3 17.8 · 3.3 · 34.1 22.5 16.8 · 28.1 22.9 Distant 2.3 0.5 · 4.1 2.0 0.2 · 37 6.5 0.0 · 16.2 2.8 11.1 · 4.5 2.8 Unknown 15.8 12.5 · 27.1 20.8 12.9 · 28.6 3.0 0.0 · 9.8 16.9 10.5 · 23.3 17.8 Al stages 36. 26.3 · 40.8 33.2 24.2 · 42.1 35.8 24.3 · 47.2 23.8 19.8 · 27.9 23.0 Localized 56.4 11.3 · 71.4 45.2 28.1 · 62.3 80.4 55.8 · 100.0 52.2 43.2 · 61.1 · 43. Regional 27.6 14.9 · 40.4 23.2 7.4 · 39.0 31.1 25.5 60.0 18.8 126 · 24.9 15.5 Distant 5.5 0.0 · 12.2 0.0 · 9.9 0.0 · 21.5 2.4 0.0 · 5.3 2.8 Unknown 33.7 15.5 · 57.8 49.1 24.3 · 74.0 15.9 0.0 · 35.7 26.0 18.1 26.3 24.9 15.5 Distant 5.5 0.0 · 12.2 0.0 · 9.9 0.0 · 21.5 2.4 0.0 · 5.3 2.8 Unknown 18.2 417.5 · 27.3 19.5 14.4 · 24.6 31.8 15.6 · 47.0 20.8 18.8 126 · 24.9 15.5 Distant 6.0 0 · 4.2 1.8 0.0 · 4.7 · 6.1 3.6 · 5.5 6.7 Unknown 18.2 5.5 · 30.9 14.0 2.5 · 25.6 · . 30.2 23.0 · 37.4 32.3 1.4 stages 25.3 22.2 · 28.3 36.5 13.6 · 49.4 56.5 19.3 · 97.7 64.4 47.7 · 61.0 54.5 Regional 19.0 12.2 · 25.9 16.1 8.0 · 24.2 37.7 11.0 · 52.4 27.9 22.8 · 33.0 · 28.9 Distant 1.6 0.0 · 4.2 1.8 0.0 · 4.7 · . 61.3 8.8 5 6.7 1 Unknown 18.2 5.5 · 30.9 14.0 2.5 · 25.6 · . 30.2 23.0 · 7.7 24.8 · 32.3 1.4 stages 25.3 22.2 · 28.3 24.4 14.6 · 22.3 32.7 14.9 · 23.1 27.6 28.8 21.2 · 24.8 20.5 · 28.5 24.9 · 23.1 · 27.8 26.3 32.3 · 24.8 30.1 · 68.4 50.4 44.2 · 66.7 1.4 · 24.8 30.1 · 68.4 50.4 44.2 · 66.7 1.4 · 24.8 30.7 · 68.4 50.4 · 68.5 51.4 · 22.7 · 23.7 4.7 · 23.9 · 24.5 2.3 · 24.7 · 23.9 · 24.5 2.3 · 24.7 · 23.9 · 24.5 2.3 · 24.7	Al stages 27.8 24.4 21.7 23.0 30.1 28.4 24.5 32.3 Regional 26.6 51.2 66.1 66.2 42.5 32.0 46.5 59.9 44.5 75.4 46.5 59.7 54.4 46.5 62.6 21.6 66.2 22.0 21.6 16.1 27.1 38.6 28.2 40.0 20.6 15.4 25.7 20.4 64.4 37.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.4 47.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 37.7 64.7 44.5 24.7 24.7 24.5 16.8 12.7 16.8 12.6 22.8 11.1 45.8 10.4 12.7 10.8 12.6 22.8 <t< td=""><td>Al Singles ZiA Subscription Subscrin Subscriptio</td></t<>	Al Singles ZiA Subscription Subscrin Subscriptio

Page 33 of 34

	SEER	All races		2001-2003 White		Black		All races		2004-2009 White		Black	
	SEER Summary Stage	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% (
Wisconsin	All stages	25.4	22.0 - 28.7	25.3	21.8 - 28.8	30.7	14.6 - 46.8	26.7	23.0 - 30.3	27.1	23.3 - 30.9	18.3	9.6 - 2
(NPCR)	Localized		-		-		-		-		-		-
	Regional		-		-		-		-		-		-
	Distant		-		-		-		-		-		-
	Unknown		-		-		-		-		-		-
West North Cent													
lowa	All stages	20.0	16.1 - 23.9	19.7	15.7 - 23.7	20.6	1.7 - 39.6	24.6	20.6 - 28.7	24.7	20.6 - 28.8	25.4	3.2 - 4
(SEER)	Localized	53.9	43.6 - 64.1	54.4	43.8 - 65.0		-	60.2	50.7 - 69.6	59.5	49.9 - 69.0	46.0	-
	Regional Distant	24.8 1.1	17.4 - 32.3 0.0 - 2.4	24.2 1.3	16.7 - 31.7 0.0 - 2.6		-	28.1 3.2	21.3 - 34.9 0.9 - 5.5	28.6 3.2	21.7 - 35.6 0.9 - 5.5	16.9	0.0 - 3
	Unknown	7.9	0.6 - 15.3	7.0	0.0 - 2.0		_	14.0	5.4 - 22.6	13.3	4.8 - 21.9		_
Nebreeke						22.6	22 44 8					12.4	0.0
Nebraska (NPCR)	All stages Localized	20.4 50.6	15.6 - 25.2 35.5 - 65.7	20.6 50.5	15.6 - 25.7 34.8 - 66.1	23.6	2.3 - 44.8	24.9 64.4	19.9 - 30.0 50.7 - 78.0	25.3 64.6	20.1 - 30.6 50.7 - 78.5	13.4	0.0 - 2
(NFCR)	Regional	17.7	10.5 - 24.8	18.4	11.0 - 25.9		-	19.8	12.9 - 26.8	20.2	13.0 - 27.4		-
	Distant	3.9	0.0 - 7.7	4.1	0.0 - 8.2		-	9.5	5.3 - 13.6	9.2	5.2 - 13.3	35.4	6.5 - 6
	Unknown	13.2	4.2 - 22.3	12.8	3.4 - 22.1		-	25.7	14.1 - 37.3	29.0	16.4 - 41.5	00.7	-
/EST	U IIIII			. 2.0	0.1 22.1			20.7		20.0			
Mountain													
Colorado	All stages	25.7	21.9 - 29.5	24.0	20.1 - 28.0	27.9	10.3 - 45.5	24.0	20.2 - 27.8	22.9	19.0 - 26.8	13.5	0.8 - 2
(NPCR)	Localized	58.1	48.7 - 67.5	57.9	48.0 - 67.7		-	45.6	35.3 - 55.8	44.6	33.8 - 55.3	54.4	14.9 - 9
	Regional	23.3	16.8 - 29.8	20.6	14.2 - 27.1		-	29.0	21.8 - 36.2	27.7	20.0 - 35.4	10.6	0.0 - 2
	Distant	7.2	3.7 - 10.7	6.8	3.2 - 10.3	0.0	-	8.4	5.3 - 11.5	8.0	5.1 - 11.0	0.0	0.0 - 0
	Unknown	17.2	8.8 - 25.5	11.9	4.3 - 19.5		-	24.9	16.2 - 33.6	22.8	13.9 - 31.8		-
Idaho	All stages	26.3	19.9 - 32.6	26.8	20.3 - 33.3		-	26.8	21.0 - 32.6	26.5	20.5 - 32.5		-
(NPCR)	Localized	62.2	45.6 - 78.8	62.2	45.6 - 78.8		-	86.8	74.0 - 99.7	88.3	75.2 - 100.0		-
	Regional	32.3	22.0 - 42.7	34.8	22.4 - 47.2		-	25.5	15.8 - 35.3	25.3	15.6 - 35.0		-
	Distant	0.0	0.0 - 0.0	0.0	0.0 - 0.0		-	4.7	0.6 - 8.7	3.8	0.1 - 7.6		-
	Unknown	4.1	0.0 - 9.6	4.1	0.0 - 9.6		-	13.2	2.7 - 23.6	10.5	0.9 - 20.1		-
Montana	All stages	19.6	13.9 - 25.4	20.2	14.2 - 26.2		-	25.8	19.5 - 32.1	24.9	18.5 - 31.3		-
(NPCR)	Localized	54.5	36.5 - 72.5	55.8	37.5 - 74.1		-	50.5	30.2 - 70.9	48.4	26.2 - 70.6		-
	Regional	13.6	5.6 - 21.7	13.6	5.1 - 22.0		-	21.3	13.0 - 29.7	24.1	15.1 - 33.1		-
	Distant Unknown	0.0 24.9	0.0 - 0.0 5.9 - 43.8	0.0 24.9	0.0 - 0.0 5.9 - 43.8		-	4.1 33.1	0.0 - 8.2 10.2 - 56.0	1.8 32.0	0.0 - 4.5 7.4 - 56.6		-
New Mexico		22.0	17.3 - 26.7	22.7	17.6 - 27.9			25.6	21.5 - 29.7	26.2	21.7 - 30.7		
(SEER)	All stages Localized	38.3	26.4 - 50.2	39.4	26.5 - 52.2		-	48.1	39.2 - 57.0	46.9	37.3 - 56.4		-
(OLLIV)	Regional	25.8	17.6 - 34.0	26.4	17.4 - 35.4		_	24.5	17.5 - 31.5	24.5	17.2 - 31.8		-
	Distant	2.8	0.2 - 5.4	3.2	0.2 - 6.2		-	4.8	1.2 - 8.3	4.3	0.4 - 8.3		-
	Unknown	10.2	0.4 - 20.0	11.5	0.5 - 22.5		-	19.3	9.0 - 29.6	21.9	10.5 - 33.2		-
Utah	All stages	32.5	26.2 - 38.8	32.4	25.9 - 38.9		-	27.5	21.7 - 33.2	25.6	20.2 - 31.0		-
(SEER)	Localized	68.7	57.9 - 79.5	69.4	56.3 - 82.6		-	67.4	56.3 - 78.6	67.7	57.1 - 78.2		-
. ,	Regional	26.1	15.7 - 36.4	27.1	14.5 - 39.7		-	26.2	16.0 - 36.3	21.9	12.1 - 31.8		-
	Distant	3.2	0.0 - 6.6	3.6	0.0 - 7.5		-	3.0	0.0 - 6.6	3.2	0.0 - 7.2		-
	Unknown	8.9	0.0 - 19.8	8.9	0.0 - 19.8		-	3.7	0.0 - 9.3	4.2	0.0 - 10.5		-
Wyoming	All stages	23.7	12.1 - 35.2	22.5	11.0 - 33.9		-	25.6	16.8 - 34.4	26.2	17.3 - 35.1		-
(NPCR)	Localized	47.5	17.2 - 77.8	42.1	11.2 - 73.0		-	45.2	21.4 - 69.1	45.2	21.4 - 69.1		-
	Regional	30.6	7.0 - 54.2	30.6	7.0 - 54.2		-	30.7	11.9 - 49.5	30.8	11.9 - 49.7		-
	Distant	6.3	0.0 - 15.9	6.3	0.0 - 15.9		-	4.0	0.0 - 9.7	4.0	0.0 - 9.7		-
	Unknown	16.1	0.7 - 31.4	16.1	0.7 - 31.4		-	21.7	3.2 - 40.2	22.5	3.3 - 41.7		-
Pacific			10.0						10 5 5				
Alaska	All stages	24.7	16.6 - 32.8	21.5	11.7 - 31.2		-	27.4	19.7 - 35.1	32.0	22.0 - 41.9		-
(NPCR)	Localized	68.3	43.9 - 92.6	477	-		-	60.6 20.2	42.1 - 79.0 16.8 - 43.8	63.4 28.2	39.5 - 87.4 19.1 59.2		-
	Regional Distant	24.7 3.1	10.1 - 39.4 0.0 - 7.8	17.7 6.3	0.9 - 34.5 0.0 - 15.8			30.3 6.2	16.8 - 43.8 0.1 - 12.3	38.2 10.9	18.1 - 58.3 0.0 - 23.2		-
	Unknown	3.1 30.0	0.0 - 7.8 4.1 - 55.9	6.3 32.0	0.0 - 15.8 1.5 - 62.4		_	0.2 20.8	0.1 - 12.3 2.4 - 39.1	10.9 19.1	0.0 - 23.2 0.0 - 40.0		
California						40.0	15 1 22 4					26.4	22.2
California (NPCR/SEER)	All stages Localized	24.0 63.0	22.9 - 25.2 60.1 - 65.8	21.7 59.2	20.4 - 23.0 55.7 - 62.6	18.6 46.6	15.1 - 22.1 35.3 - 58.0	26.8 64.4	25.7 - 27.9 61.9 - 67.0	24.0 61.5	22.7 - 25.2 58.6 - 64.4	26.1 55.6	22.3 - 2 46.0 - 6
(IN ONSEER)	Regional	63.0 27.4	25.3 - 29.4	59.2 25.2	22.9 - 27.6	40.0 23.9	35.3 - 58.0 17.1 - 30.8	64.4 29.1	26.9 - 31.2	25.8	23.3 - 28.4	55.6 27.6	40.0 - 0 21.0 - 3
	Distant	3.6	2.8 - 4.4	3.3	22.9 - 27.0	23.9 1.8	0.4 - 3.3	4.3	3.4 - 5.2	25.8	23.3 - 28.4 2.7 - 4.7	8.1	4.7 - 1
	Unknown	16.3	13.0 - 19.6	12.8	9.4 - 16.3	9.5	3.0 - 16.0	17.7	14.4 - 20.9	17.0	13.2 - 20.8	6.8	0.7 - 1
Hawaii	All stages	31.8	26.8 - 36.8	30.4	17.9 - 42.8		-	32.4	27.9 - 36.9	25.3	16.9 - 33.7		-
(SEER)	Localized	74.5	20.8 - 30.8 66.6 - 82.5	30.4 84.7	54.0 - 100.0		-	52.4 77.4	27.9 - 30.9 69.5 - 85.4	4 5.3	7.6 - 83.1		-
()	Regional	29.6	22.3 - 37.0	15.7	2.3 - 29.1		-	31.1	23.4 - 38.8	17.1	2.7 - 31.4		-
	Distant	2.5	0.4 - 4.7	8.6	0.0 - 18.6		-	1.9	0.0 - 4.3	5.4	0.0 - 12.8		-

				20	01-2003			2004-2009						
	-	Α	Il races		White		Black	Α	II races		White		Black	
	SEER Summary Stage	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	NS (%)	95% CI	
Oregon	All stages	23.0	19.1 - 26.9	21.5	17.5 - 25.5	8.6	0.0 - 21.1	27.9	24.2 - 31.6	27.5	23.6 - 31.4	33.9	11.9 - 55.9	
(NPCR)	Localized	63.8	53.4 - 74.2	60.2	48.8 - 71.6		-	74.0	66.2 - 81.8	73.3	65.2 - 81.4		-	
	Regional	23.9	17.6 - 30.1	22.6	16.0 - 29.2		-	28.5	22.0 - 35.0	25.9	19.1 - 32.7		-	
	Distant	4.6	2.0 - 7.3	5.0	2.1 - 7.9		-	3.4	1.7 - 5.2	3.4	1.6 - 5.3		-	
	Unknown	6.3	0.3 - 12.3	6.8	0.3 - 13.2		-	5.4	0.2 - 10.6	6.5	0.6 - 12.5		-	
Washington	All stages	26.3	23.4 - 29.2	25.9	22.7 - 29.1	17.0	2.7 - 31.3	27.5	24.5 - 30.4	25.7	22.5 - 28.9	40.1	26.6 - 53.5	
(NPCR)	Localized	63.8	56.8 - 70.7	64.4	57.0 - 71.8		-	72.0	64.7 - 79.2	69.7	61.6 - 77.8	83.9	62.5 - 100.0	
	Regional	27.4	22.4 - 32.4	25.5	20.5 - 30.5		-	27.7	22.3 - 33.1	25.1	19.4 - 30.7	34.0	5.6 - 62.5	
	Distant	1.0	0.1 - 1.9	1.4	0.2 - 2.6		-	3.7	2.0 - 5.3	2.5	1.1 - 3.9	17.2	2.9 - 31.4	
	Unknown	13.2	7.0 - 19.4	9.3	3.5 - 15.0		-	26.6	18.0 - 35.2	27.7	18.7 - 36.7		-	