2022 NPCR TEXAS SUCCESS STORY

Texas Cancer Registry; Ashley Dixon, MPH

Leveraging Online Cancer Data to Identify Populations at Risk for Breast and Cervical Cancer Screening

National Program of Cancer Registries
SUCCESS STORY

SUMMARY

State population-based cancer registries partnering with their state Breast and Cervical Cancer Services (BCCS) Early Detection Programs remains an important activity to optimally target BCCS services and resources. Breast and cervical cancer screening providers take steps to use their resources in the most efficient manner possible. One way of accomplishing this is by understanding and using cancer incidence and mortality data to identify populations at risk for targeted screening services.
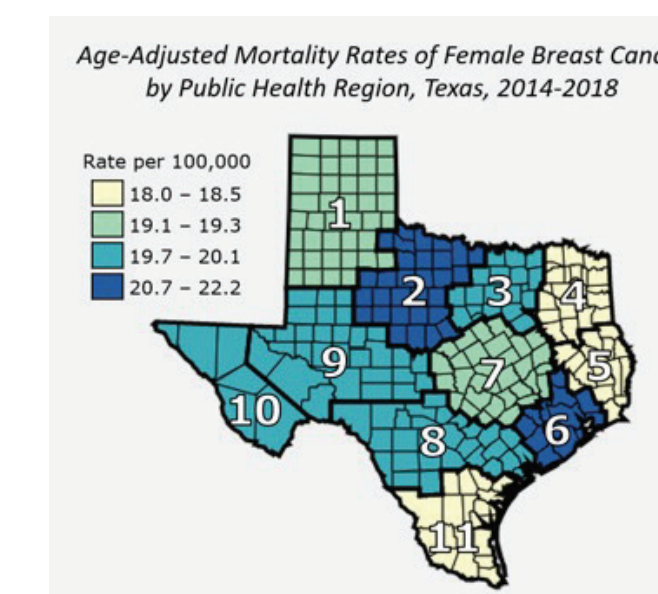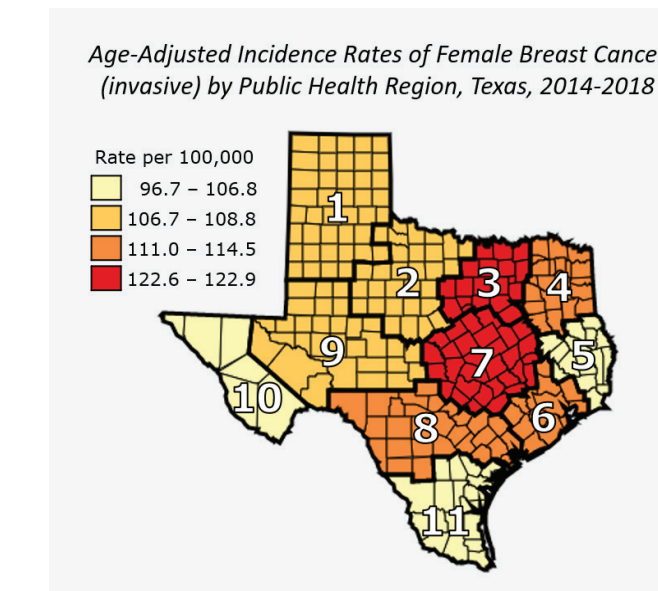
CHALLENGE

Our colleagues in the Texas BCCS Program were working to meet their objective of determining priority populations of focus for breast and cervical cancer screening in Texas. For this activity specifically, they were looking to empower their contracted providers of screening services to identify and target populations at risk locally themselves by using cancer incidence and mortality data. This involved the providers understanding the various stratifications of data (e.g., by geographic area, race/ethnicity, age) and what exactly the cancer incidence and mortality rates meant. The challenge on our end was ensuring that the data were communicated in a way appropriate and most useful for this audience.

SOLUTION

To further this objective, Texas BCCS staff asked Texas Cancer Registry (TCR) epidemiology staff to present cancer incidence and mortality data at a webinar they were hosting for their contracted service providers. The aim of presenting directly to these providers was to familiarize them with cancer incidence and mortality statistics and provide a demonstration on how they could obtain breast and cervical cancer statistics on their own. Statistical indicators of possible populations to consider included those with higher incidence rates, especially late-stage incidence rates, and higher mortality rates than the state average or surrounding areas.

RESULTS

During the presentation, we demonstrated our Web Query Tool, specifically how to view incidence and mortality rates by geographic area including county and region, by race/ethnicity, and by stage (early or late—incidence rates only). We also shared links to other online data tools available, such as the U.S. Cancer Statistics Data Visualizations Tool available on the CDC's website.

Age-Adjusted Incidence Rates of Female Breast Cancer (invasive) by Public Health Region, Texas, 2014-2018

Rate per 100,000
- 96.7 – 106.8
- 106.7 – 108.8
- 111.0 – 114.5
- 122.6 – 122.9

Age-Adjusted Mortality Rates of Female Breast Cancer by Public Health Region, Texas, 2014-2018

Rate per 100,000
- 18.0 – 18.5
- 19.1 – 19.3
- 19.7 – 20.1
- 20.7 – 22.2

SUSTAINING SUCCESS

We continue to maintain a collaborative relationship with the BCCS program, meeting at least quarterly as part of a Texas Health and Human Services Cancer Coordination group. At the end of our presentation to the contracted service providers, we emphasized the TCR's availability to fulfill any of their data requests to facilitate their identification of priority populations.

STORY QUOTE

"I'm so excited for the contractors! This [presentation] is going to be an excellent resource for them."
– BCCS Grant Coordinator

REGISTRY CONTACT INFORMATION

512-776-3080
Texas Cancer Registry Website