MAP USER GUIDE

ADVANCED STAGE BREAST CANCER AMONG WOMEN 40 YEARS AND OLDER, BY MEDICAL SERVICE STUDY AREA (MSSA) AND BY COUNTY
CALIFORNIA 2010 – 2014

CALIFORNIA CANCER REGISTRY
CHRONIC DISEASE SURVEILLANCE AND RESEARCH BRANCH
Table of Contents

Overview.................................................................................................................................1
Data Disclaimer Hyperlinks via map.........................................................................................2
CDPH General Inquiries Hyperlinks via map.............................................................................3
User Navigation Instructions....................................................................................................3 - 8
Overview

Data from the statewide, population-based, California Cancer Registry (CCR) were analyzed to identify geographic areas with a comparatively high proportion of breast cancers diagnosed at late, or otherwise, advanced stage. Data on women from CCR aged 40 years and older diagnosed with breast cancer between January 1, 2010 and December 31, 2014 was used. Proportional incidence ratios (PIRs) were calculated by determining the proportion of late-stage breast cancer in counties and Medical Service Study Areas (MSSAs) relative to the proportion in upper-socioeconomic, non-Hispanic white women statewide. The outcomes were mapped utilizing ArcGIS mapping software to provide visual representations of areas with an excess of advanced stage breast cancer.

This user guide provides instructions on how to navigate and utilize the interactive tools to view aspects of the map and the data represented.

Help

If you have any questions regarding the map and use of the interactive map tools, please contact the author of the map, Vanessa Miguelino-Keasling at: Vanessa.Miguelino@cdph.ca.gov.
1. Data Disclaimer

User clicks “OK” after reading “Acknowledgments and Data Limitations Disclosure” on startup screen.

Active links are available via the Data Disclaimer window for additional information on the following: California Cancer Registry data; ADA compliance and accessibility via the CDPH Web Content Accessibility page; and CDPH’s Privacy Policy.

### Acknowledgments & Data Limitations Disclosure

The collection of cancer incidence data used in this study was supported by the California Department of Public Health pursuant to California Health and Safety Code Section 103885; Centers for Disease Control and Prevention’s (CDC) National Program of Cancer Registries, under cooperative agreement 5U58DP000534; the National Cancer Institute’s Surveillance, Epidemiology and End Results Program under contract HHSN26120100010D awarded to the University of California, San Francisco, contract HHSN26120180001S awarded to the University of Southern California, and contract HHSN261201800006 awarded to the Public Health Institute, Cancer Registry of Greater California. The ideas and opinions expressed herein are those of the author(s) and do not necessarily reflect the opinions of the State of California, Department of Public Health, the National Cancer Institute, and the Centers for Disease Control and Prevention or their Contractors and Subcontractors.

For additional information regarding this data, please email: California Cancer Registry

For ADA compliance and accessibility, please go to: CDPH Web Content Accessibility

For Privacy Policy, please go to: CDPH Privacy Policy

I have read and understood the data disclaimer by launching GIS viewer.

2. User Interface
3. Left side panel

The left side panel describes the map data, links to the California Cancer Registry homepage, and the CDPH contact page for general inquiries.

Advancesed Stage Breast Cancer among Women 40 Years and Older, by Medical Service Study Areas (MSSA), California Counties, 2010-2014

Data from the statewide, population based, California Cancer Registry (CCR) were analyzed to identify geographic areas with a comparatively high proportion of breast cancers diagnosed at late, or otherwise, advanced stage. Data on women from the CCR aged 40 years and older diagnosed with breast cancer between January 1, 2010 and December 31, 2014 was used. Proportional incidence ratios (PIRs) were calculated by determining the proportion of late-stage breast cancer in counties and MSSAs relative to the proportion in upper-socioeconomic, non-Hispanic white women statewide. The outcomes were mapped, providing visual representations of areas with an excess of advanced stage breast cancer.

Map User Guide
Contact California Cancer Registry
Contact CDPH for General Inquiries

4. View Toolbar

The plus ‘+’ button will zoom in to a location and the minus ‘-‘ button will zoom out. User can also hold down the left-click button on mouse to pan and move map in any direction.

The Home button (default extent) will return the map to the original extent of the entire map of the state with labeled counties.

User can zoom into an approximate current location by clicking the target button.

As a user zooms in on the map, the legend for the Advanced Stage Breast Cancer, by MSSA, will appear and adjust accordingly with the current extent of the map.
5. Legend

The legend automatically opens and is based upon the map extent in current view. User can close the legend box by clicking on the ‘x’ in the top right hand corner of the box and easily reopen the legend by clicking on the legend button.

Text boxes/windows can be enlarged by clicking at the bottom right corner of the box and dragging the computer mouse to enlarge.
6. Study Description / Related Study Data (BRFSS)

Click on to read the detailed study description and view the summary table of “MSSAs with Statistically Significant Higher Proportion of Advanced Stage Breast Cancers, 2010-2014” by scrolling towards the bottom of the study description window.

Click on to view breast cancer screening results, data table and figures obtained from the 2014 CA BRFSS survey. Scroll to bottom of window to view entire contents.

7. Popup Window

Select and click on desired MSSA to view detailed data on advanced stage breast cancer.

Popup information includes: county name, MSSA ID, MSSA description name, designation, percent diagnosed at advanced stage, total cases, advanced observed, advanced expected, excess advanced, proportional incidence ratio (PIR), 95 percent confidence interval, 2010 population, poverty rates, and race/ethnicity demographics for the selected MSSA.

(Popup window can be maximized to view all information at once.)
With the popup window open and maximized, user can also point to the Race/Ethnicity figure at the bottom of the popup window and hover over a bar in the figure to indicate the specific percentage of a particular race/ethnicity represented in the selected MSSA.

An example of this is seen in the picture to the left.

8. Attribute Table Tool

An attribute table that displays data representing the current extent of the map can be viewed by clicking on the up arrow tab located at the bottom of the screen of the map. Click on tab down arrow to close attribute table window.

Upon clicking the up arrow tab, the following attribute table will display:

Data displayed can be selected by layer, filtered, zoomed to by selection, and refreshed. By clicking on a column header, various options for sorting and/or displaying statistics for the selected variable may be viewed. Clicking on “Options” at the far left of the attribute table will allow data to be filtered, show or hide columns, and export selected data to a .csv file. The "Filter by map extent" tab (shown circled in red above) can be toggled on and off to filter data on the attribute table to correlate with the data displayed on the current map extent.
To filter attributes, click the down arrow and select “Filter”. The following window will appear:

Click the “+ Add expression” to select desired features from the drop-down list and click “OK” when finished.

To clear or deactivate a filter, user must re-open the filter expression box and click on the ‘x’ to the right of the expression to delete the expression.

Click on “OK” once again, and the filter will be cleared from the map.
By selecting “Options” and “Show/Hide Columns”, user may check/uncheck desired column names in the box located at the far right of the attribute table as seen below.

By clicking the column header, columns may also be sorted in ascending or descending order, and if applicable, summary statistics for the featured category may be selected.

9. Print Map

User can export map to PDF or other image format for printing.

The print button allows for the printing of the selected map extent only.

10. Summary

User can view summarized data that includes the total number of MSSAs, the total number of breast cancer cases, and the percent average of advanced stage breast cancer diagnosis at the county level. User can click window on bottom right of summary window to filter by selected county as seen in the example below.
11. Share Map

User can share a web link to the map for social media or to embed the map to another website.

12. Basemap

User can choose from a selection of basemaps from the basemap gallery.

13. Layer List

User can select and display layers by checking or unchecking the box to the left of the individual layer name.