California Cancer Registry: How to use the data and mapping tool

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What is the data and mapping tool?

- California Cancer Registry’s (CCR) web-based query system

- Allows users to generate customized maps and tables of California cancer incidence or mortality rates
What kind of statistics can I generate?

- Incidence and mortality rates by:
  - Geography: State, region and county-specific*
  - Sex
  - Race/ethnicity
  - Cancer site of interest
  - Year of diagnosis

*Small counties are grouped
Data and Mapping Tool
Question Scenarios

- Which counties in California had the highest incidence rates of female breast cancer between 2008-2012?
- What is the lung cancer mortality rate among non-Hispanic blacks in Riverside County?
- How many cases of colorectal cancer were diagnosed in Alameda county in 2012?
- What gender differences exist in incidence and mortality rates of leukemia in California?
Getting started

• Visit CCR website:  
  http://www.ccrcal.org/
Data and Mapping Tool

- Click on the Data and Mapping Tool icon (top right corner)
Interface

Califonia Cancer Registry

Age-Adjusted Invasive Cancer Incidence Rates in California
All Sites, 2000 - 2012
By County
Age-Adjusted to the 2000 U.S. Standard Population
California Rate: 424.94 / per 100,000

Region | Population at Risk | Cases | Crude Rate | Age-adjusted Rate | 95% Confidence Interval
---|---|---|---|---|---
Butte | 1099054 | 6480 | 569.28 | 489.19 | [477.00, 501.62]
Napa | 682982 | 4074 | 586.53 | 488.89 | [473.88, 504.40]
Shasta | 899099 | 8640 | 623.81 | 478.79 | [468.89, 491.99]
Marin | 1292250 | 8124 | 643.10 | 475.00 | [464.96, 485.84]
Solano | 2070476 | 10083 | 486.99 | 472.33 | [462.94, 481.87]
Mariposa - Tuolumne | 387049 | 2837 | 718.43 | 487.68 | [479.13, 496.00]
Sonoma | 2418413 | 13227 | 548.02 | 453.42 | [455.31, 471.64]
Placer | 1748881 | 9786 | 556.42 | 460.50 | [451.98, 468.81]
Data and Mapping Tool

Question Scenarios

- Which counties in California had the highest incidence rates of female breast cancer between 2008-2012?
- What is the lung cancer mortality rate among non-Hispanic blacks in Riverside County?
- How many cases of colorectal cancer were diagnosed in Alameda Co. in 2012?
- What gender differences exist in incidence and mortality rates of leukemia in California?
Question 1: Which counties in California had the highest incidence rates of female breast cancer between 2008-2012?
Mortality Example

California Cancer Registry

Age-Adjusted Cancer Mortality Rates in California
All Sites, 2009 - 2013
By County
Age-Adjusted to the 2000 U.S. Standard Population
California Rate: 152.13 / per 100,000

<table>
<thead>
<tr>
<th>Region</th>
<th>Population at Risk</th>
<th>Cases</th>
<th>Crude Rate</th>
<th>Age-adjusted Rate</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake</td>
<td>321300</td>
<td>865</td>
<td>279.44</td>
<td>192.21</td>
<td>[179.44, 205.75]</td>
</tr>
<tr>
<td>Siskiyou - Trinity</td>
<td>200704</td>
<td>861</td>
<td>296.18</td>
<td>190.18</td>
<td>[177.14, 204.05]</td>
</tr>
<tr>
<td>Shasta</td>
<td>889828</td>
<td>2261</td>
<td>254.88</td>
<td>187.16</td>
<td>[179.40, 195.25]</td>
</tr>
<tr>
<td>Del Norte - Humboldt</td>
<td>814848</td>
<td>1067</td>
<td>204.58</td>
<td>178.64</td>
<td>[169.85, 187.57]</td>
</tr>
<tr>
<td>Butte</td>
<td>1102710</td>
<td>2481</td>
<td>224.99</td>
<td>177.39</td>
<td>[170.23, 184.67]</td>
</tr>
</tbody>
</table>

All rates per 100,000. Based on February 2012 Extract (Released February 27, 2012). Last updated Nov 15, 2015. © 2015 California Cancer Registry.
Question 2: What is the lung cancer mortality rate among non-Hispanic blacks in Riverside County?
Additional functionality

- State Data
- Bar Graph
- Population Information
- Citation
- Export
  - Tabular data
  - Map (.png)
  - Tabular data + map
Data which cannot be generated using the data and mapping tool

- Sub-county analyses
- Survival statistics
- Stage at diagnosis
- Cancer counts by ethnic subgroups or socioeconomic status
If the data and mapping tool does not meet your needs...

Please contact CCR directly

• Phone number: 916-731-2500
• Email: webmaster@ccr.ca.gov
Thank you!