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?

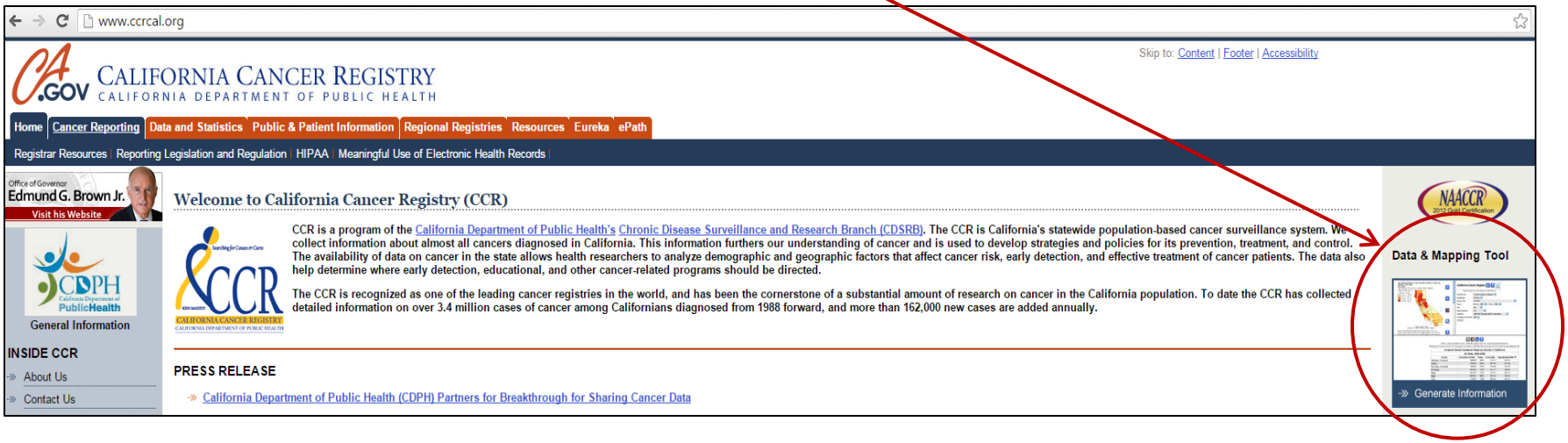
Getting started

- Visit CCR website:

  http://www.ccrcal.org/

Data and Mapping Tool

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



Interface

www.cancer-rates.info/ca/

California Cancer Registry

Age-Adjusted Invasive Cancer Incidence Rates in California

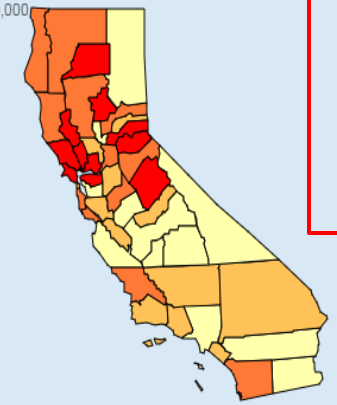
All Sites, 2008 - 2012

By County

Age-Adjusted to the 2000 U.S. Standard Population

California Rate: 424.94 / per 100,000

- 380.95 - 415.92
- 418.57 - 433.02
- 433.38 - 454.30
- 456.29 - 489.19



Specify your criteria History

Data Source Invasive Cancer Incidence

Geography County

Cancer Site All Sites

Year Start 2008 | Year End 2012

Sex All | Race/Ethnicity All

Standard 2000 U.S. Standard Population

Redraw

All rates per 100,000. Based on November 2014 Extract (Released November 21, 2014). Last accessed Nov 12, 2015. © 2015 California Cancer Registry.

Region	Population at Risk	Cases	Crude Rate	Age-adjusted Rate	95% Confidence Interval
Butte	1099654	6480	589.28	489.19	[477.00, 501.62]
Napa	682952	4074	596.53	488.89	[473.68, 504.49]
Shasta	888095	5540	623.81	478.79	[465.89, 491.99]
Marin	1263250	8124	643.10	475.00	[464.36, 485.84]
Solano	2070476	10083	486.99	472.33	[462.94, 481.87]
Mariposa - Tuolumne	367049	2637	718.43	467.68	[449.13, 486.90]
Sonoma	2415413	13237	548.02	463.42	[455.31, 471.64]
Placer	1749881	9738	556.49	460.52	[451.28, 469.91]

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- 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

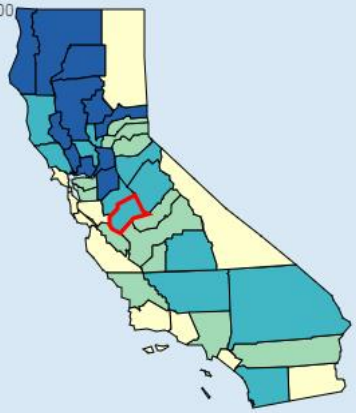
All Sites, 2009 - 2013

By County

Age-Adjusted to the 2000 U.S. Standard Population

California Rate: 152.13 / per 100,000

- 111.42 - 145.65
- 147.50 - 154.01
- 154.73 - 167.28
- 168.38 - 192.21



Specify your criteria History

Data Source Cancer Mortality

Geography County

Cancer Site All Sites

Year Start 2009 | Year End 2013

Sex All | Race/Ethnicity All

Standard 2000 U.S. Standard Population

Redraw

All rates per 100,000. Based on February 2014 Extract (Released February 27, 2014). Last accessed Nov 13, 2015. © 2015 California Cancer Registry.

Region	Population at Risk	Cases	Crude Rate	Age-adjusted Rate	95% Confidence Interval
Lake	321300	885	275.44	192.21	[179.44, 205.75]
Siskiyou - Trinity	290704	861	296.18	190.18	[177.14, 204.05]
Shasta	889828	2268	254.88	187.18	[179.40, 195.25]
Del Norte - Humboldt	814848	1667	204.58	178.54	[169.85, 187.57]
Butte	1102710	2481	224.99	177.33	[170.23, 184.67]

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!