October 20, 2022

NCI Analytic Tools SEERies

## **Geospatial Tools**

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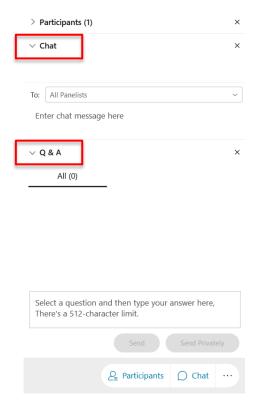
Senior Systems and GIS Analyst Information Management Services, Inc. (IMS)

James Cucinelli Senior Systems Analyst Information Management Services, Inc. (IMS)

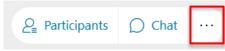




## Using WebEx and Webinar Logistics



- All lines will be in listen-only mode
- Submit questions at any time using the Q&A or Chat Panel and select "All Panelists"
- You may need to activate the appropriate box using the floating navigation panel. Found on the bottom of your screen



- During the Live Demo- put your screen layout in "Full Screen" mode for a better viewing experience
- This webinar is being recorded



# Geospatial Tools and Resources: State Cancer Profiles and GIS Portal for Cancer Research

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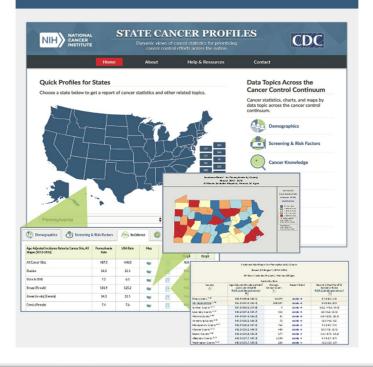
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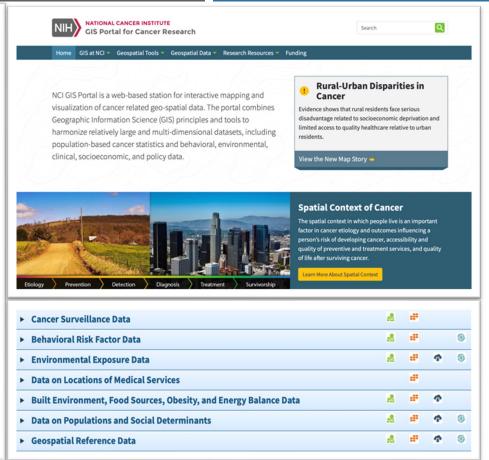
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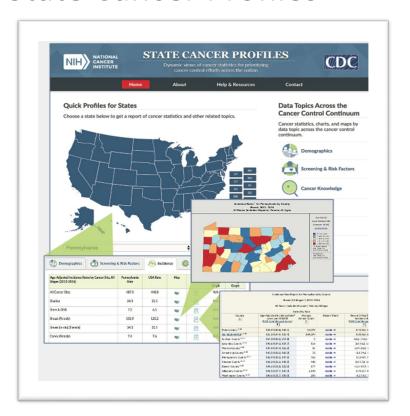
The **State Cancer Profiles** web site provides data, maps, and graphs to help guide and prioritize cancer control activities at the state and local levels. It is a collaboration of the National Cancer Institute and the Centers for Disease Control and Prevention.







#### **State Cancer Profiles**

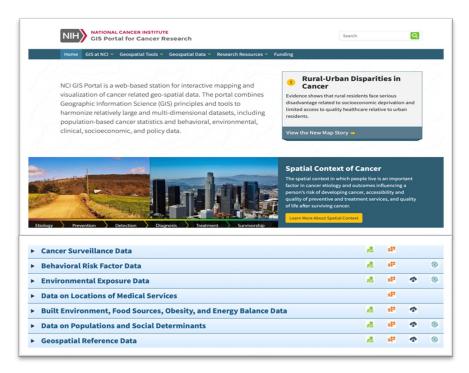


- A collaborative effort between NCI and CDC
- Developed with the idea to provide a geographic profile of cancer burden in the United States and reveal geographic disparities in cancer related statistics

https://StateCancerProfiles.cancer.gov



### GIS Portal for Cancer Research



 A comprehensive resource of data and interactive tools for visualization of cancer related information



https://gis.cancer.gov





#### **NCI Cancer Atlas**

- This application is an interactive digital atlas that enables users to generate geographic maps of cancer rates, risk factors for cancer, screening statistics, and other geographical data related to cancer. The system offers free data download
- https://gis.cancer.gov/canceratlas/





## Mapping NCI-Designated Cancer Centers Catchment Areas

- This web-based application visualizes locations and geographic extent of 63 catchment areas of the 71 NCIdesignated Cancer Centers, as of May 2021, their demographic characteristics and cancer mortality information.
- Result of collaborative effort published recently in CEBP.

https://gis.cancer.gov/ncicatchment/



A National Map of NCI-Designated Cancer Center Catchment Areas on the 50th Anniversary of the Cancer Centers Program

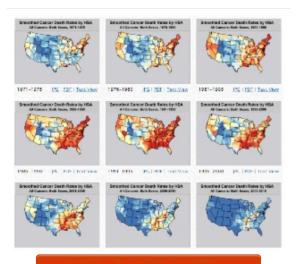
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Peter F DelNero # 1 2, Ian D Buller # 1 3, Rena R Jones 3, Zaria Tatalovich 4, Robin C Vanderpool 5, Henry P Ciolino 6, Robert T Croyle 7
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#### **Animated Historical Cancer Atlas**

 The Animated Historical Cancer Atlas is a tool that allows the users to animate smoothed age-adjusted death rates over time and view them at the national or state level

https://gis.cancer.gov/atlas/



Get Started With the Atlas »



## **Tobacco Policy Viewer**

- Interactive web resource for mapping, query, and download of historical smoke-free policy data in the United States.
- It visualizes and provides data related to:
  - When and which cities, counties and states have adopted the smoke free policies
  - Types of indoor areas that are smoke-free
  - Length of time since the smoke-free policy came into effect
  - Percent of population protected by the smokefree policies

https://gis.cancer.gov/tobaccopolicy/



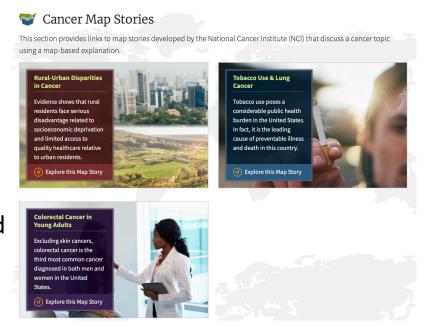
A geo-view Into Historical Patterns of Smoke-free Policy Coverage in the US Zaria Tatalovich., David G. Stinchcomb, Jeremy A. Lyman, Yvonne Hunt, James E. Cucinelli



## **Cancer Map Stories**

- Cancer Map Stories are narratives that combine cancer statistics, maps of cancer rates, and other relevant information to support understanding of geographic disparities in cancer.
- The narrative is based on the recent research contributions to the topic and expert knowledge of NCI experts and other partner organizations

https://gis.cancer.gov/mapstory/





#### **Live Demonstration**

Jeremy Lyman Senior Systems and GIS Analyst Information Management Services, Inc. (IMS)

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www.cancer.gov

www.cancer.gov/espanol