Geospatial Tools

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NCI Analytic Tools SEERies
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Geospatial Tools and Resources: State Cancer Profiles and GIS Portal for Cancer Research

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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/](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 NCI-designated 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/
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/
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 smoke-free policies

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

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