Welcome from MaryCatherine Jones, NACDD Public Health Consultant

Welcome to the Chronic Disease GIS Network!

The goals of this Network (sponsored by the CDC Division for Heart Disease and Stroke Prevention (DHDSP) in collaboration with NACDD), are twofold:

1. Facilitate networking among health department staff and with CDC regarding the use of GIS to address chronic disease surveillance, prevention and treatment, and
2. Identify and share ways in which state and local health departments can sustain and expand their GIS capacity for chronic disease surveillance, prevention and treatment.

We are always interested in your ideas. Let us know what you think and send us your questions, suggestions and news or materials that you think would be helpful to others. You can reach me at mcjones@chronicdisease.org.

Submit One of Your Maps for the Next GIS Network Webinar in June!

THURSDAY, JUNE 29, 3-4PM ET: PEER EXCHANGE WEBINAR

We are excited to announce our next Chronic Disease GIS Network webinar, which will feature maps submitted by members of the GIS Network. This is a great opportunity for members to get feedback on their maps or share how they are using GIS to address chronic disease surveillance, prevention and treatment.

Submit your map for the webinar! Please email your map to MaryCatherine at mcjones@chronicdisease.org. Please note that some submissions may be postponed to alternate webinars due to limited time. Please share this invitation with others who may be interested.

Chronic Disease GIS in the Spotlight

2016 CDC/NACDD/RICE GIS TRAINING ALUMNI BLAZE TRAILS AT 2017 ALASKA SURVEYING AND MAPPING GEOJAM

In February 2017, David O’Brien (AK Cancer Registry, Alaska Department of Health and Human Services (AKDHSS), Mary Jeanne Danison (State of Alaska), Deborah Hull-Jilly (AKDHSS), Amy Shaw (AKDHSS), and Kaerin Stephens (AKDHSS) presented Mapping People: Using GIS for Spatial Analysis of Illnesses and Behavior Risk Factors in Alaska, at their state GIS conference. The only public health workshop at the conference, it showcased maps that were produced during the DHSS GIS training, as well as maps that were made after the training. Presentations focused on the stories the maps tell about public health, how they illustrate health disparities by geographic region, and how the maps could be used to promote DHSS’s mission.

Have you presented or published a map? Contact MaryCatherine Jones, mcjones@chronicdisease.org so we can highlight your map product in an upcoming newsletter issue or webinar.

Updates from NACDD and CDC’s DHDSP Small Area Team

BE A VOICE FOR CHRONIC DISEASE GIS – COMPLETE A SHORT GIS SURVEY!

NACDD has developed a survey to guide us in supporting, highlighting and enhancing the use of GIS in health departments for chronic disease surveillance, prevention, and management. Please watch for an email with a survey link in mid-May.

JOIN US AT CSTE!

CDC, NACDD, and Rice University invite you to join these chronic disease GIS opportunities at the 2017 Council for State and Territorial Epidemiologists (CSTE) Annual Conference, June 4-7, 2017 in Boise, ID:

GIS Network for Chronic Disease Prevention and Management
Monday, June 5, 5:45-6:30pm, Grove Hotel, Clearwater
MaryCatherine Jones from NACDD will be facilitating this roundtable as an opportunity to connect with people that are using GIS or wanting to use GIS for chronic disease prevention and management and will provide an opportunity for attendees to:

- Learn about the current activities of the Chronic Disease GIS Network
- Discuss current GIS challenges and successes with other state and local health departments
- Provide input into the scope of activities within the Chronic Disease GIS Network that will best support the GIS needs of state and local health departments
- Learn about new tools and activities for chronic disease GIS from CDC, NACDD and Rice University.

Rate Stabilizer Tool (RST): Smoothing the Way to Robust Sub-County Estimates of Chronic Disease Outcomes (4:36 PM-4:54 PM)
Monday, June 5, 2017: 4:00 PM - 5:30 PM, Boise Centre, Payette
Joshua Tootoo from Rice University will be presenting on this important issue. There is a real need for sub-county measures of chronic disease outcomes, however, a number of methodological challenges constrain their application and use in the public health setting. The small populations and low counts
that often accompany sub-county geographic units call for advanced statistical methods to generate robust measures of health outcomes. To facilitate the calculation of statistically robust sub-county measures, we have developed the Rate Stabilizer Tool (RST) to produce estimates for specific chronic disease outcomes. The RST integrates: US Census data, georeferenced individual-level health data, and empirical Bayesian methods to generate standardized, map-ready, age-adjusted, spatially smoothed estimates along with measures of uncertainty.

Please visit the NACDD exhibit booth for additional opportunities that may be of interest to you.

**State Health Departments Embed CDC Heart Disease and Stroke Map Widget on their Websites:**

With this widget, organizations, including state and local health departments, can easily access and display high-quality CDC data. Visitors to your website can explore and view heart disease and stroke mortality by race/ethnicity and gender specific to their state and county areas. To embed the Map Widget on your organization’s website, visit [http://www.cdc.gov/widgets/infographics](http://www.cdc.gov/widgets/infographics).

Please view the following health department websites to see how they are using the widget!

Oklahoma: [https://www.ok.gov/health/Wellness/Chronic_Disease_Service/Heart_Disease_&_Stroke/](https://www.ok.gov/health/Wellness/Chronic_Disease_Service/Heart_Disease_&_Stroke/)

Alaska: [http://dhss.alaska.gov/dph/Chronic/Pages/Cardiovascular/default.aspx](http://dhss.alaska.gov/dph/Chronic/Pages/Cardiovascular/default.aspx)


Montana: [http://dphhs.mt.gov/publichealth/Cardiovascular](http://dphhs.mt.gov/publichealth/Cardiovascular)

Texas: [http://www.dshs.texas.gov/heart/MapWidget.aspx](http://www.dshs.texas.gov/heart/MapWidget.aspx)

Iowa: [https://idph.iowa.gov/hdsp/reports](https://idph.iowa.gov/hdsp/reports)


We want to hear from you! If you have embedded the map on your website, please contact LSchieb@cdc.gov.

**Partner News**

**MAP SERIES, COMPLETE STREETS POLICIES -- 2006 TO 2015**

This series of maps, from the National Complete Streets Coalition, displays the progression in the adoption of state-level and local- or regional-level Complete Streets policies in the United States from 2006 through 2015. Click [HERE](#) to view the maps.

**2017 COUNTY HEALTH RANKINGS AND ROADMAPS**

The Robert Wood Johnson Foundation (RWJF) has released the *2017 County Health Rankings and Roadmaps*. “The annual Rankings provide a revealing snapshot of how health is influenced by where we live, learn, work and play. They provide a starting point for change in communities."
THE 500 CITIES PROJECT INTERACTIVE WEBSITE

RWJF and CDC have announced the launch of the interactive website for the 500 Cities Project. This public, interactive website allows users to retrieve, view, and explore uniformly-defined selected city and census tract-level data for the largest 500 US cities for conditions, behaviors, and risk factors that have a substantial impact on population health. The interactive mapping application also enables users to zoom in to their neighborhood and explore their local data in the larger context of their city.

The release of the interactive web application complements the early December release of the project map books and data. The project represents the first-of-its kind data analysis for the 500 largest American cities, and the census tracts within these cities, to identify, analyze, and report data for 27 chronic disease measures.