

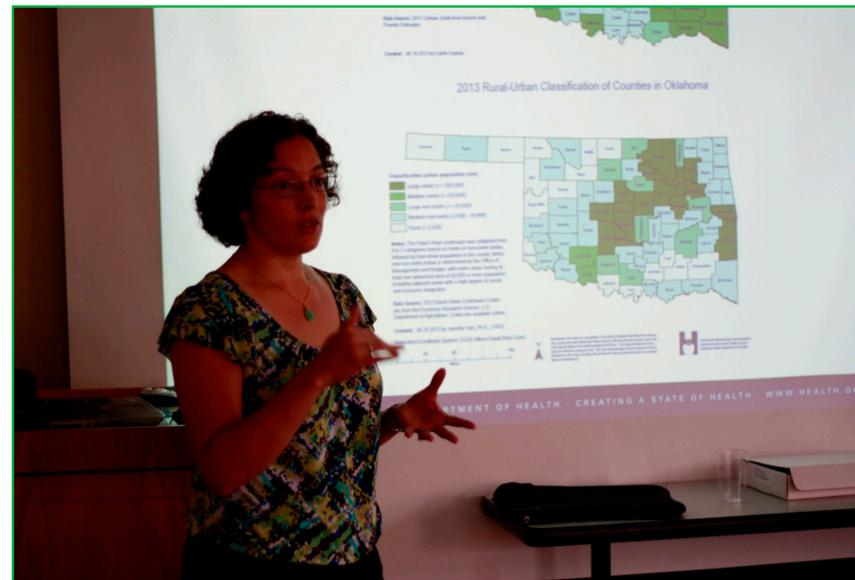
# Building GIS Capacity in State and Local Health Departments for the Prevention and Management of Heart Disease, Stroke, and other Chronic Diseases

MaryCatherine Jones

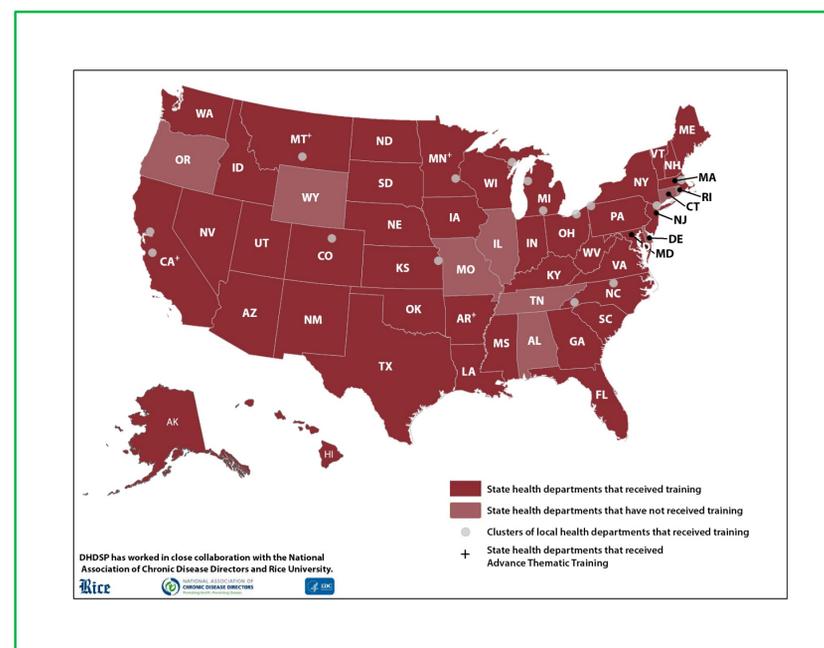


## INTRODUCTION

- NACDD works closely with the CDC Division for Heart Disease and Stroke Prevention and the Children's Environmental Health Initiative (CEHI) at Rice University to integrate the use of GIS into daily operations that support surveillance and prevention of heart disease, stroke, and other chronic diseases. This is accomplished through virtual and in-person trainings by Rice University, and the GIS Network, which connects chronic disease GIS users across health departments.
- In 2017, NACDD, CDC, and CEHI launched a training project for state health departments on advancing blood pressure medication adherence. This training helps participants to:
  1. Identify communities with the greatest need;
  2. Assess community assets and barriers; and
  3. Act by informing and implementing programs, policies, and partnerships.
- States that participated in this training in April 2017 were Arkansas, California, Minnesota, and Montana. States selected to attend the training in 2018 are Georgia, Idaho, Maine, Michigan, New York, South Dakota, Vermont, and Wisconsin.



Jennifer Han, Oklahoma



States trained as of 2017

## GOALS & OBJECTIVES

Increase the use of GIS in chronic disease programs to:

- Document geographic disparities.
- Inform policy and program decisions.
- Enhance partnerships with external agencies.
- Facilitate collaboration within health departments.

## IMPACT

- Forty-four state health departments have participated in a GIS Capacity Building training program.
- Thirty-two local health departments have participated in a chronic disease GIS Capacity Building training customized for local level public health data sources.
- The GIS Network which promotes the exchange of GIS information and resources for chronic disease, engages more than 350 staff using GIS in state and local health departments.

## OUTLOOK

NACDD continues to boost its offerings for health department chronic disease GIS users to exchange information, ask questions, share resources, and inform the planning of NACDD and CDC GIS opportunities. Three GIS Network webinars are planned for 2018.