Project Name:
Texas- Developing a Dashboard Framework for Reporting Maternal and Child Health Data

Project Description:
The Texas Department of State Health Services (DSHS) Maternal and Child Health Epidemiology (MCH Epi) Unit is proposing the development of a dashboard for dissemination of maternal and child health (MCH) data. This dashboard will be utilized by DSHS to rapidly provide data to outside stakeholders, track internal quality indicators, and will be utilized by the agency for annual needs assessment findings.

The dashboard will include data from each MCH domain which are the infant, child, children and youth with special health care needs, adolescent and perinatal domains. Data components within each domain include geospatial and demographic characteristics, disease trends, and domain performance indicators. Data presented in the dashboard will include data available at the national and state level from public sources such as Census data, state-level data including hospital discharge and vital event records, and survey data collected by MCH Epidemiology Unit.

The development of the dashboard will include creating scripts to automate collection and analysis of data from a variety of different data sources. Additional scripts will be developed to automate the creation and dissemination of the dashboards.

The dashboard will be hosted on the health agency’s Tableau server. Members of this proposed Data Science Team have experience with this Tableau server and have previously developed a dashboard for disseminating data from the Pregnancy Risk Assessment Monitoring System (PRAMS).

Team Members:
Christopher Webb, Dyanne Herrera-Vasquez, Chris Nicholas