Health Equity Lunch and Learn Series

Stratifying data in the DHEC SCAN-GIS Database

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scangis.dhec.sc.gov/scan/
CALL TO ACTION FOR HEALTH EQUITY

DATA DRIVEN INTERVENTIONS

We can use data to discover which groups of people may need extra support from our organization and partners.

- CULTURAL COMPETENCE & RESPONSIVENESS
  We can assess and train ourselves to have more empathic relationships with people of different backgrounds.

- COMMUNITY ENGAGEMENT
  We can partner with communities to increase the impact of health improvement interventions.

- INCLUSIVE DECISION MAKING
  We can invest in maximizing opportunity for diverse groups of the population to be included at all levels of decision making.
Go to SCAN-GIS

http://scangis.dhec.sc.gov/scan/

Disable your pop-up blockers

Use the chat to ask questions
Using the SC Community Assessment Network (SCAN)

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South Carolina Department of Health and Environmental Control
Promoting and Protecting the Health of the Public and the Environment  www.scdhec.gov
Types of DHEC Data

- **Vital Records**
  - Births, deaths, fetal deaths, induced terminations of pregnancy

- **Registries**
  - Cancer, birth defects

- **Surveys**
  - PRAMS, BRFSS, CHAS
Types of DHEC Data

- Vital Records
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What’s Available on SCAN

http://scangis.dhec.sc.gov/scan/

- SCAN is a set of queryable modules to allow the generation of customizable tables from a variety of data sources at the state, regional, and local levels

- Multi-year trends, race/ethnicity, age, gender, counties, zip codes
What’s Available on SCAN

- Indicators from birth certificates:
  - Gestational age, birth weight, smoking, delivery method, payer, adequacy of PNC

- Causes of death
Examples Using SCAN

- Low birth weight
- Infant mortality
- Deaths due to accidental overdoses
- Deaths due to falls
Low Birth Weight

How many low birth weight births paid by Medicaid occurred in SC in 2014 by race?

What percent of all LBW births were paid by Medicaid in each county in 2014?

What are the trends in diabetes and hypertension prevalence among mothers from 2005-2014?
Infant Mortality

What was the infant mortality rate for each SC county for non-Hispanic white and black infants from 2012-2014?
Deaths Due to Accidental Overdoses

What is the trend in the rate of deaths from accidental overdoses to residents of Richland county from 2005-2014 by gender?

How does the county rate compare with the state rate?
Deaths Due to Falls

What is the number of deaths due to falls that occurred in the Greenville County zip codes 29680, 29681, and 29644 in 2010-2014?
Some Considerations with SCAN Data

- Data are SC residence data; county, zip code of residence, not occurrence
- Limited number of ways to cut data (e.g., payer isn’t a stratifier option)
- Rates often depend on population estimate denominators; not available at zip code level
- Infant mortality module uses race of the infant
Questions?
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