Vital Statistics Data

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Healthy People. Healthy Communities.

Vital Statistics

- Birth Registry
- Fetal Death Reports
- Death Registry
  - Infant Mortality Data
- Induced Termination of Pregnancy Reports

Birth Registry

- All live births occurring in the state are registered
- Records contain demographic, medical and health information for both mothers and babies
- Processes in place to ensure quality of data

Statistics

- We receive records of events in other states for residents of SC
- Annual statistics representative of residents of the state/county

Birth Data Uses

- Birth data can be used at the community level for public health community partners and to study:
  - rates of LBW babies
  - prematurity
  - relations between mother's health and baby's health
  - teen pregnancy

Birth Certificate Indicators

- Pregnancy history
- Prenatal care
- Risk factors in pregnancy – diabetes (pre-pregnancy, gestational), hypertension
- Method of delivery, characteristics – induction, fetal intolerance, antibiotics
- Infections during pregnancy

Birth Certificate Indicators

- Maternal morbidity – transfusion, hysterectomy
- Abnormal conditions of the newborn – NICU, seizure
- Congenital anomalies of the newborn

Fetal Death Reports

- Fetal deaths (stillbirths) of 350 grams or more are reportable
- Information similar to birth records – demographics; medical and health indicators

Infant Mortality Data

- Infant death records are linked with birth records
- Allows to link cause of death to maternal and infant characteristics

Death Certificate Data

- Demographic information
- New questions on Tobacco and Pregnancy
- Cause of death
  - Coded according to ICD-10 (since 1999)
  - Up to 20 contributing causes
- Leading causes of death

SCAN Website

- A website that allows generation of user specified tables and interactive maps of public health data.
  - http://scangis.dhec.sc.gov/scan/

  Search for: DHEC SCAN

- Types of data that you can get from SCAN:
  - Frequencies, percentages, rates, confidence intervals.
  - Tables, trend-lines, bar charts, maps

Data for Research

- Application form:
  - Info about researcher, Biosketch
  - Brief description of study
  - Research questions
  - Variables justification
  - Security/confidentiality considerations
- Signed data release agreement

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- SCAN:

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

- Publications:

http://www.scdhec.gov/Health/SCPublicHealthStatisicsMaps/BiostatisticsPublications/

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