Notes for November 14, 2018 webinar

CDC WONDER's home page: https://wonder.cdc.gov

The online databases on CDC WONDER includes the following sources of general population data:

Multiple Cause of Death online database: https://wonder.cdc.gov/mcd-icd10.html
The Multiple Cause of Death database contains mortality and population counts for all U.S. counties. Data are based on death certificates for U.S. residents. Each death certificate contains a single underlying cause of death, up to twenty additional multiple causes, and demographic data. The number of deaths, crude death rates, age-adjusted death rates and 95% confidence intervals for death rates can be obtained by cause of death (4 digit ICD-10 codes, 113 selected causes of death, 130 selected causes of infant death, drug and alcohol related causes of death, injury intent and injury mechanism categories), place of residence (national, region, division, state, and county), age (single-year-of age, 5-year age groups, 10-year age groups and infant age groups), race (American Indian or Alaskan Native, Asian/Pacific Islander, Black or African American, White), Hispanic ethnicity, gender and year. Data are also available by urbanization categories for county of residence, place of death, month and week day of death, and whether an autopsy was performed. Multiple Cause of Death statistics are available on CDC WONDER for years 1999-2016, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program and the National Center for Health Statistics.
>   Example saved queries:
>   - US deaths with principle cause due to R95, by year:
>   https://wonder.cdc.gov/controller/saved/D77/D46F691
>   - …and by infant age groups:
>   https://wonder.cdc.gov/controller/saved/D77/D46F688
>   - …and by contributing causes of death:
>   https://wonder.cdc.gov/controller/saved/D77/D46F693
>   - … by infant's race and year:
>   https://wonder.cdc.gov/controller/saved/D77/D46F701
>   - Deaths of persons 0-18 years, by injury intent and mechanism:
>   https://wonder.cdc.gov/controller/saved/D77/D46F719
>   Hints:
>   - When Infant Age Groups are selected, rates are calculated per one thousand live births.
>   - Statistics representing zero through nine births or infant deaths are suppressed due to confidentiality constraints. More information.
>   - Click the arrows in the column headers on the Results tab to order the rows in the table.
>   - Select single-year age groups to limit deaths to persons < 19 years of age, or other detailed age ranges.
>   - Click the "Other Data Access" link below the tabs to find data sets for download from NCHS.
>   - 2017 death records are expected in December.

Infant Deaths – Linked Birth/Infant Death Records online databases:
https://wonder.cdc.gov/lbd.html
The Linked Birth/Infant Death Records online databases provide counts and rates for deaths of children under 1 year of age, occurring within the United States to U.S. residents.

Information from death certificates has been linked to corresponding birth certificates. Data are available by county of mother's residence, child's age, underlying cause of death, gender, birth weight, birth plurality, birth order, gestational age at birth, period of prenatal care, maternal race and ethnicity, maternal age, maternal education and marital status. Linked Birth/Infant Death Records are available on CDC WONDER for years 1995-2016, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program and the National Center for Health Statistics.

Example saved queries:
- US deaths with principle cause due to R95, by mother's race and year: https://wonder.cdc.gov/controller/saved/D69/D46F705
- …by medical attendant at birth: https://wonder.cdc.gov/controller/saved/D69/D46F706
- …by gender: https://wonder.cdc.gov/controller/saved/D69/D46F707
- …by month prenatal care began: https://wonder.cdc.gov/controller/saved/D69/D46F708
- …by birth weight: https://wonder.cdc.gov/controller/saved/D69/D46F710
- …by obstetrician's estimate of gestational age at birth: https://wonder.cdc.gov/controller/saved/D69/D46F712
- …by plurality: https://wonder.cdc.gov/controller/saved/D69/D46F713

Hints:
- Click the Chart tab to create charts.

Fetal Deaths online database: https://wonder.cdc.gov/fetal-deaths-current.html
The Fetal Deaths online database provides the number of fetal deaths at 20 weeks gestation or more, occurring within the United States to U.S. residents. Information are derived from Report of Fetal Death forms, both the 1989 revision of the U.S. Standard Report of Fetal Death (unrevised) and the 2003 revision of the U.S. Standard Report of Fetal Death (revised). Data are available by place: region, division, and state of mother's residence; time: year, month and weekday of death; parental characteristics including maternal race and ethnicity, maternal age, maternal marital status, maternal weight gain, and paternal age; fetal characteristics including gestational age, sex, delivery weight, plurality, live and total birth order, delivery place, delivery method, use of forceps or vacuum, breech presentation, medical attendant; maternal risk factors including diabetes, chronic hypertension, pregnancy-associated hypertension and eclampsia; congenital anomalies of the fetus, including anencephalus, Spina Bifida / meningocele, omphalocele / gastroschisis, cleft lip / palate, and Downs syndrome. Fetal Death statistics are available on CDC WONDER for years 2005-2016, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program and the National Center for Health Statistics.

Example saved queries:
- Fetal deaths by region and state: https://wonder.cdc.gov/controller/saved/D133/D46F714
- …by mother's race: https://wonder.cdc.gov/controller/saved/D133/D46F715

Hints:
- We hope to share Fetal Deaths data by underlying cause of death for years 2014-2016 soon.

Compressed Mortality online databases: https://wonder.cdc.gov/mortSQL.html
The Compressed Mortality online databases include mortality and population counts for all U.S. counties. Counts and rates of death can be obtained by underlying cause of death, state, county, age, race, sex, and year. For years since 1999, data are also available by Hispanic ethnicity, injury intent, injury mechanism, urbanization categories (both the 2006 and 2013 NCHS Urban-Rural Schemes are available), and core-based statistical areas

(CBSAs) of 250,000 or more population (both the December 2005 and February 2013 Office of Management and Budget (OMB) delineation of CBSAs). The International Classification of Diseases 8th Revision (ICD 8) codes are used to specify underlying cause of death for years 1968-1978. The International Classification of Diseases 9th Revision (ICD 9) codes are used to specify underlying cause of death for years 1979-1998. Beginning in 1999, cause of death is specified with the International Classification of Diseases 10th Revision (ICD 10) codes. The ICD revisions differ substantially, and to prevent confusion about the significance of any specific disease code, the data queries are separate. Compressed Mortality statistics are available on CDC WONDER for years 1968-2016, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program and the National Center for Health Statistics.

> Example saved queries:
> - Injury deaths by city (CBSA):
>   https://wonder.cdc.gov/controller/saved/D140/D46F716
> - …by Metro and by injury intent:
>   https://wonder.cdc.gov/controller/saved/D140/D46F717

Population estimates online databases:
- Bridged-race county-level population estimates: https://wonder.cdc.gov/bridged-race-population.html
  July 1st population estimates by year, state, county, race (four bridged-race categories for vital statistics reporting: American Indian or Alaskan Native, Asian or Pacific Islander, Black or African American, White), Hispanic ethnicity, sex and age (1-year or 5-year age groups). Annual series of postcensal estimates for years 1990-2017, and intercensal estimates for 1990-1999 and 2000-2009 are produced by the U.S. Census Bureau in collaboration with the National Center for Health Statistics.
- Single-race county-level population estimates: https://wonder.cdc.gov/single-race-population.html
  July 1st population estimates by year, state, county, race (six "single-race" race categories as specified in the 1997 Office of Management and Budget (OMB) standards for the collection of data on race and ethnicity: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Pacific Islander, White, More than one race), Hispanic ethnicity, sex and age (5-year groups). Annual series of postcensal estimates for years 2010-2017 are produced by the U.S. Census Bureau.

Questions? Please email these contacts:
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