

## TECHNICAL NOTES

- 1. Percentage of Resident Live Births Classified as Low Birthweight** – Percentages are derived from information collected from the North Carolina resident live birth certificate files. Numerators include children born 2,500 grams (5 lbs 8 ozs) or less, regardless of the gestation period. Denominators are all live births.
- 2. Percentage of Resident Live Births Where Mother Smoked During Pregnancy** – Percentages are derived from information collected from the North Carolina resident live birth certificate files. Numerators are the number of children born to mothers who reported smoking. Denominators are all live births.
- 3. Resident Teen Pregnancies per 1,000 Female Population** – Rates represent the number of pregnancies (live births, fetal deaths, and induced abortions) per 1,000 women ages 15-19. Population denominators are certified July 1 resident population estimates for women ages 15-19 generated by the North Carolina Office of State Planning.
- 4. Percentage of Resident Live Births Where Mother Received Prenatal Care in the First Trimester** - Percentages are derived from information collected from the North Carolina resident live birth certificate files. Numerators include all births where the certificate indicated that the mother received prenatal care within the first three months of pregnancy (1<sup>st</sup> trimester). Denominators are all live births.
- 5. Infant Mortality Rates** - These death rates are derived from information collected from North Carolina resident birth and death certificates. Numerators are all deaths occurring to infants during the time period. Denominators include all resident live births recorded during the time period. Rates represent the number of infant deaths per 1,000 live births.
- 6. Youth Death Rates (Ages 0-17)** - These mortality rates are derived from information collected from North Carolina resident death certificates. Numerators are all deaths to youth ages 0 through 17. Population denominators are certified population estimates for ages 0 through 17 generated by the Office of State Planning.
- 7. Age-Adjusted Heart Disease Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Heart disease deaths include all resident deaths where heart disease was coded as the underlying (primary) cause of death. Deaths prior to 1999 were coded under the ninth revision of the International Classification of Diseases (ICD) – code(s) used were: 390-398; 402; & 404-429. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: I00-I09; I11; I13; & I20-I51. Population denominators are certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted heart disease death rates are per 100,000 population.
- 8. Age-Adjusted Stroke Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Stroke deaths include all resident deaths where cerebrovascular disease was coded as the underlying (primary) cause of death. Deaths prior to 1999 were coded under the ninth revision of the International Classification of Diseases (ICD) – code(s) used were: 430-438. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: I60-I69. Population denominators are certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted stroke death rates are per 100,000 population.
- 9. Age-Adjusted Total Cancer Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Cancer deaths include all resident deaths where cancer was coded as the underlying (primary) cause of death. Deaths prior to 1999 were coded under the ninth revision of the International Classification of Diseases (ICD) – code(s) used were: 140-208. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: C00-C97. Population denominators are derived from certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted cancer rates are per 100,000 population.

**10. Age-adjusted Colon, Rectum, & Anus Cancer Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Colon cancer deaths include all resident deaths where cancer of the colon, rectum, or anus was coded as the underlying (primary) cause of death. Deaths prior to 1999

were coded under the ninth revision of the International Classification of Diseases (ICD) – code(s) used were: 153-154. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: C18-C21. Population denominators are derived from certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted colon cancer rates are per 100,000 population.

**11. Age-Adjusted Lung, Trachea, Bronchus, & Lung Cancer Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Lung cancer deaths include all resident deaths where lung, trachea, and bronchus were coded as the underlying (primary) cause of death. Deaths prior to 1999, were coded under the ninth revision of the International Classification of Diseases (ICD) – code(s) used were: 162. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: C33-C34. Population denominators are certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted lung cancer death rates are per 100,000 population.

**12. Age-Adjusted Breast Cancer Incidence Rates** – Breast cancer incidence rates are based on data collected by the North Carolina Central Cancer Registry (CCR). Legislation passed in 1999 requires all healthcare providers that detect, diagnose, or treat cancer to report all cases to the CCR. The numerators for the breast cancer incidence rates are the number of newly diagnosed breast cancer cases reported to the CCR. Denominators are for females only and are annual certified population estimates generated by the Office of State Planning. The breast cancer incidence rates are age-adjusted.

**13. Age-Adjusted Prostate Cancer Incidence Rates** - Prostate cancer incidence rates are based on data collected by the North Carolina Central Cancer Registry (CCR). Legislation passed in 1999 requires all healthcare providers that detect, diagnose, or treat cancer to report all cases to the CCR. The numerators for the prostate cancer incidence rates are the number of newly diagnosed prostate cancer cases reported to the CCR. Denominators are for males only and are annual certified population estimates generated by the Office of State Planning. The prostate cancer incidence rates are age-adjusted.

**14. Age-Adjusted Diabetes Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Diabetes deaths include all resident deaths where diabetes mellitus was coded as the underlying (primary) cause of death. Deaths prior to 1999 were coded under the ninth revision of the International Classification of Diseases (ICD) – code(s) used were: 250. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: E10-E14. Population denominators are certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted diabetes death rates are per 100,000 population.

**15. Age-Adjusted Unintentional Motor Vehicle Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Motor Vehicle Injury deaths include all resident deaths where unintentional motor vehicle injury was coded as the underlying (primary) cause of death. Deaths prior to 1999 were coded under the ninth revision of the International Classification of Diseases (ICD): E810-E825. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, and V89.2. Population denominators are certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted unintentional motor vehicle death rates are per 100,000 population.

**16. Age-Adjusted Other Unintentional Injury (excluding MVA) Injury Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Other unintentional Injury deaths include all resident deaths where unintentional injuries (other than motor vehicle injuries) were coded as the underlying (primary) cause of death. Deaths prior to 1999 were coded under the ninth revision of the International Classification of Diseases (ICD): E800-E807 and E826-E949. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, W00-X59, Y85, and Y86. Population denominators are certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted other unintentional injury death rates are per 100,000 population.

**17. Age-Adjusted Suicide Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Suicide deaths include all resident deaths where intentional self harm (suicide) was coded as the underlying (primary) cause of death. Deaths prior to 1999 were coded under the ninth revision of the International Classification of Diseases (ICD): E950-E959. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: X60-X84, Y870. Population denominators are certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted suicide death rates are per 100,000 population.

**18. Age-Adjusted Homicide Death Rates** – These mortality rates are derived from information collected from North Carolina resident death certificates. Homicide deaths include all resident deaths where assault/homicide was coded as the underlying (primary) cause of death. Deaths prior to 1999 were coded under the ninth revision of the International Classification of Diseases (ICD): E960-E978. Deaths from 1999 forward were coded under the tenth revision of the ICD – codes used were: X85-Y09, Y871. Population denominators are certified population estimates generated by the Office of State Planning. Age-adjusted death rates were calculated using the projected United States 2000 population as the standard. Age-adjusted homicide death rates are per 100,000 population.

**19. Number of Primary Care Physicians per 10,000 Population** – Rates are based on data compiled by the NC Health Professions Data System, Cecil G. Sheps Center for Health Services Research. Primary care physician numbers include those who are active in the profession and those with unknown activity status; inactive are excluded. Non-resident-in-training, non-federal MD's, and DO's are included. Federal physicians are those in the armed services, US Public Health Service, Indian Health Service, and the Veterans Administration. Primary care physicians are those who indicate a primary specialty of family practice, general practice, internal medicine, pediatrics, or OB/GYN.

**20. Number of Dentists per 10,000 Population** - Rates are based on data compiled by the NC Health Professions Data System, Cecil G. Sheps Center for Health Services Research. Dentists include all licensed by the NC Board of Dental Examiners who are in-state and who are active or have unknown activity status.

**21. Prevalence of Obesity in Children Ages 2-4** - The North Carolina Nutrition and Physical Activity Surveillance System (NC-NPASS) provides indicators of nutritional status such as overweight, underweight and anemia from children seen in NC Public Health sponsored Women, Infants and Children (WIC) and child health clinics and some school-based health centers. NC-NPASS reports may not be representative of the population of children as a whole since it is comprised of data collected from these sources. Percentiles were based on the CDC/NCHS Year 2000 Body Mass Index (BMI) Reference. The category of overweight for children greater than or equal to the 95th Percentile in BMI has been renamed obese since the last North Carolina County Trends Reports.

**22. Prevalence of Obesity in Children Ages 5-11** – The North Carolina Nutrition and Physical Activity Surveillance System (NC-NPASS) provides indicators of nutritional status such as overweight, underweight and anemia from children seen in NC Public Health sponsored Women, Infants and Children (WIC) and child health clinics and some school-based health centers. NC-NPASS reports may not be representative of the population of children as a whole since it is comprised of data collected from these sources. Percentiles were based on the CDC/NCHS Year 2000 Body Mass Index (BMI) Reference. The category of overweight for children greater than or equal to the 95th Percentile in BMI has been renamed obese since the last North Carolina County Trends Reports.