

Attachment A

**NCI Comparison of Age Adjusted Death
Rates by Site for North Carolina and U.S.**

State Cancer Profiles

Rate/Trend Comparison by State/County

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Death Rate/Trend Comparison by State/County, death years through 2004 North Carolina versus United States

All Races, Both Sexes

	Above US Rate	Similar to US Rate	Below US Rate
Rising Trend	Priority 1: rising ↑ and above ↑ [none]	Priority 2: rising ↑ and similar = Kidney & Renal Pelvis (Females) Lung & Bronchus (Females) Melanoma of the Skin (Males) Pancreas (Females)	Priority 3: rising ↑ and below ↓ Liver & Bile Duct (Females) Liver & Bile Duct (Males)
Stable Trend	Priority 4: stable → and above ↑ [none]	Priority 6: stable → and similar = Bladder (Females) Bladder (Males) Esophagus (Females) Esophagus (Males) Kidney & Renal Pelvis (Males) Leukemia (Males) Non-Hodgkin Lymphoma (Females) Non-Hodgkin Lymphoma (Males) Oral Cavity & Pharynx (Males) Ovary (Females) Thyroid (Males) Uterus (Females)	Priority 7: stable → and below ↓ [none]
Falling Trend	Priority 5: falling ↓ and above ↑ Lung & Bronchus (Males)	Priority 8: falling ↓ and similar = Brain & ONS (Females) Brain & ONS (Males) Breast (Females) Cervix (Females) Childhood (Ages <15, All Sites) (Females) Childhood (Ages <15, All Sites) (Males) Childhood (Ages <20, All Sites) (Females) Childhood (Ages <20, All Sites) (Males) Colon & Rectum (Females) Colon & Rectum (Males) Leukemia (Females) Melanoma of the Skin (Females) Oral Cavity & Pharynx (Females) Pancreas (Males) Prostate (Males) Stomach (Females)	Priority 9: falling ↓ and below ↓ [none]

Stomach (Males)

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Trend ²	
Rising ↑	when 95% confidence interval of annual percent change is above 0.
Stable →	when 95% confidence interval of annual percent change includes 0.
Falling ↓	when 95% confidence interval of annual percent change is below 0.
Rate Comparison	
Above ↑	when 95% confident the rate is above and Rate Ratio ³ > 1.10
Similar =	when unable to conclude above or below with confidence.
Below ↓	when 95% confident the rate is below and Rate Ratio ³ < 0.90

¹ Priority indices were created by ordering from rates that are rising and above the comparison rate to rates that are falling and below the comparison rate.

² Recent trend in death rates were calculated using the Joinpoint Regression Program and are expressed as the annual percent change over the recent trend period. Recent trend period is the period since last change in trend as determined by Joinpoint.

³ Rate ratio is the county rate divided by the US rate.

Source: Death data provided by the National Vital Statistics System public use data file. Death rates calculated by the National Cancer Institute using SEER*Stat. Death rates are age-adjusted to the 2000 US standard population (19 age groups: <1, 1-4, 5-9, ..., 80-84, 85+). Population counts for denominators are based on Census populations as modified by NCI.

Note: When the population size for a denominator is small, the rates may be unstable. A rate is unstable when a small change in the numerator (e.g., only one or two additional cases) has a dramatic effect on the calculated rate. Suppression is used to avoid misinterpretation when rates are unstable.

State Cancer Registries may provide more current or more local data. Data presented on the State Cancer Profiles Web Site may differ from statistics reported by the State Cancer Registries (for more information).

Data for the following has been suppressed to ensure confidentiality and stability of rate estimates:
Thyroid (Females)