Supplementary Table S1. Invasive Cancer Incidence Confidence Intervalsa by Primary Site, Appalachian Region and United States non-Appalachiab, Males and Females, All Races, 2004-2011.

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| --- | --- | --- | --- | --- | --- |
|   | **Southern Appalachia** | **Central Appalachia** | **Northern Appalachia** | **All Appalachia** | **United States non-Appalachia** |
| **Males** | **Females** | **Males** | **Females** | **Males** | **Females** | **Males** | **Females** | **Males** | **Females** |
| **Confidence Intervals** | **Confidence Intervals** | **Confidence Intervals** | **Confidence Intervals** | **Confidence Intervals** |
| **All Sites** | 565.8-571.7 | 400.2-404.5 | 559.1-564.0 | 425.2-429.1 | 564.6-569.8 | 447.3-451.4 | 564.3-567.3 | 427.5-429.9 | 542.0-542.9 | 417.8-418.5 |
| **Oral Cavity and Pharynx** | 18.4-19.5 | 6.3-6.8 | 17.6-18.5 | 6.2-6.7 | 16.3-17.1 | 6.1-6.6 | 17.5-18.0 | 6.2-6.5 | 16.4-16.5 | 6.2-6.2 |
| **Esophagus** | 7.7-8.4 | 1.5-1.8 | 8.3-8.9 | 1.5-1.7 | 9.7-10.3 | 1.8-2.1 | 8.8-9.2 | 1.7-1.8 | 8.4-8.6 | 1.9-2.0 |
| **Stomach** | 8.3-9.0 | 41.-4.6 | 7.8-8.4 | 3.7-4.0 | 9.7-10.3 | 4.1-4.4 | 8.8-9.1 | 4.0-4.3 | 9.4-9.5 | 4.7-4.8 |
| **Colon and Rectum** | 54.1-55.9 | 38.4-39.8 | 54.1-55.9 | 40.5-41.6 | 57.2-58.8 | 43.2-44.4 | 56.1-57.0 | 41.4-42.1 | 52.2-52.5 | 39.4-39.6 |
| **Liver and Intrahepatic Bile Duct** | 8.9-9.6 | 2.8-3.1 | 7.8-8.3 | 2.6-2.9 | 7.9-8.5 | 2.5-2.8 | 8.2-8.6 | 2.7-2.9 | 10.6-10.7 | 3.6-3.6 |
| **Pancreas** | 13.3-14.2 | 9.8-10.5 | 12.5-13.2 | 9.2-9.8 | 13.8-14.6 | 10.7-11.3 | 13.3-13.8 | 10.1-10.4 | 13.6-13.7 | 10.6-10.7 |
| **Larynx** | 8.1-8.8 | 1.7-2.0 | 8.5-9.1 | 2.2-2.5 | 7.1-7.7 | 1.6-1.8 | 8.0-8.4 | 1.9-2.1 | 6.5-6.6 | 1.4-1.4 |
| **Lung and Bronchus** | 100.6-103.1 | 55.7-57.3 | 109.3-111.4 | 66.2-67.7 | 88.2-90.1 | 57.5-58.9 | 99.8-101.1 | 60.6-61.5 | 79.3-79.6 | 54.6-54.9 |
| **Melanoma of the Skin (whites)** | 34.0-35.6 | 22.1-23.2 | 28.3-29.5 | 19.4-20.3 | 20.8-21.8 | 15.5-16.4 | 27.1-27.8 | 18.9-19.4 | 27.3-27.5 | 17.7-17.9 |
| **Breast** | - | 144.2-146.8 | - | 137.3-139.6 | - | 150.1-152.5 | - | 144.5-145.8 | - | 152.8-153.2 |
|  **Invasive** | - | 116.2-118.5 | - | 114.0-116.0 | - | 120.5-122.6 | - | 117.6-118.8 | - | 122.3-122.6 |
|  **In Situ** | - | 27.6-28.8 | - | 23.0-23.9 | - | 29.2-30.3 | - | 26.7-27.3 | - | 30.4-30.6 |
| **Cervix Uteri** | - | 7.9-8.6 | - | 8.5-9.1 | - | 7.6-8.2 | - | 8.1-8.5 | - | 7.9-8.0 |
| **Corpus and Uterus, NOS** | - | 18.3-19.2 | - | 24.0-24.9 | - | 30.6-31.7 | - | 24.9-25.4 | - | 24.4-24.6 |
| **Ovary** | - | 12.1-12.8 | - | 12.1-12.8 | - | 13.0-13.7 | - | 12.5-13.0 | - | 12.3-12.4 |
| **Prostate** | 149.2-152.1 | - | 129.0-131.3 | - | 141.4-143.8 | - | 139.2-140.6 | - | 146.8-147.3 | - |
| **Testis** | 4.2-4.7 | - | 5.1-5.6 | - | 6.4-7.0 | - | 5.3-5.6 | - | 5.4-5.5 | - |
| **Urinary Bladder** | 33.8-35.3 | 7.5-8.1 | 37.1-38.3 | 9.1-9.7 | 44.7-46.1 | 11.0-11.6 | 39.4-40.2 | 9.5-9.9 | 36.9-37.1 | 9.2-9.3 |
| **Kidney and Renal Pelvis** | 20.6-21.7 | 10.8-11.5 | 21.3-22.3 | 11.6-12.2 | 20.3-21.2 | 11.5-12.2 | 21.0-21.5 | 11.5-11.9 | 21.0-21.2 | 10.9-11.1 |
| **Brain and Other Nervous System** | 7.7-8.4 | 5.7-6.2 | 8.0-8.6 | 5.9-6.4 | 8.1-8.7 | 5.9-6.4 | 8.1-8.4 | 5.9-6.2 | 7.8-7.9 | 5.7-5.7 |
| **Thyroid** | 4.7-5.2 | 14.2-15.0 | 5.7-6.2 | 16.9-17.8 | 7.4-8.0 | 24.9-26.0 | 6.1-6.4 | 19.0-19.5 | 6.0-6.1 | 17.6-17.8 |
| **Hodgkin Lymphoma** | 2.8-3.2 | 2.1-2.4 | 2.7-3.1 | 2.2-2.5 | 3.4-3.8 | 2.7-3.1 | 3.0-3.3 | 2.4-2.6 | 3.2-3.2 | 2.5-2.5 |
| **Non-Hodgkin Lymphoma** | 20.9-22.1 | 14.5-15.3 | 22.6-23.6 | 15.9-16.6 | 24.1-25.1 | 17.3-18.1 | 23.0-23.6 | 16.2-16.7 | 23.3-23.5 | 16.2-16.4 |
| **Myeloma** | 7.3-8.0 | 4.6-5.1 | 6.9-7.5 | 4.3-4.7 | 6.8-7.4 | 4.4-4.8 | 7.1-7.5 | 4.6-4.8 | 7.4-7.5 | 4.9-5.0 |
| **Leukemia** | 15.5-16.5 | 9.4-10.1 | 16.5-17.4 | 10.0-10.6 | 17.2-18.0 | 10.6-11.2 | 16.6-17.2 | 10.2-10.5 | 16.7-16.8 | 10.1-10.2 |

aRates are per 100,000 persons age-adjusted to the 2000 U.S. standard population.

bSouthern Appalachia includes Alabama, Georgia, Mississippi, and South Carolina; Central Appalachia includes Kentucky, North Carolina, Tennessee, Virginia, and West Virginia; Northern Appalachia includes Maryland, New York, Ohio, and Pennsylvania; United States non-Appalachia includes all counties not in Appalachia.