

4. Breast cancer hospitalizations in Appalachia

Hospitalizations resulting from breast cancers may dramatically underestimate the prevalence of breast cancer due to availability of outpatient procedures for treating many patients.

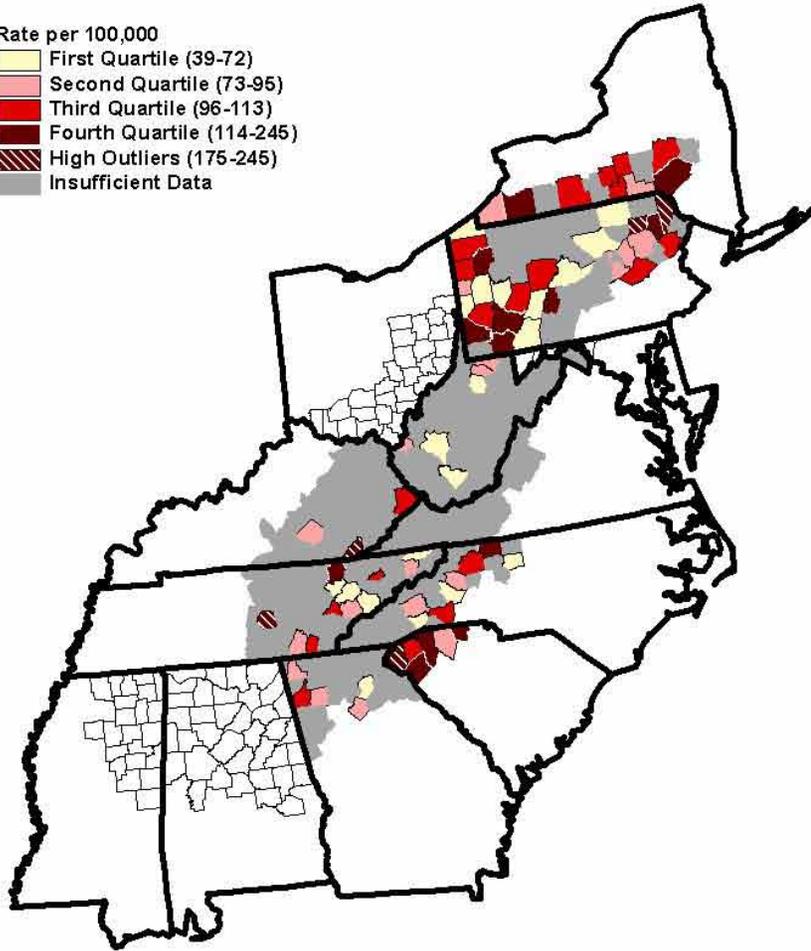
County level rates of hospitalizations from breast cancer have been generated for all women in two age categories: 35 to 64 and 65 and older. County-level rates of hospitalizations from breast cancer are shown on page 142. Clear patterns of high or low rates of hospitalizations are not evident which may be due to the high number of counties with insufficient data, however there is significant variability in rates of hospitalizations from breast cancer. In general it appears that the southern and northern areas of the region experience the highest rates of breast cancer hospitalization.

Among women ages 35 to 64, breast cancer hospitalization rates range from 39 per 100,000 to 245 per 100,000. Among elderly women rates ranged from 100 per 100,000 to 504 per 100,000.

Breast Cancer Hospitalization Rates, 2000

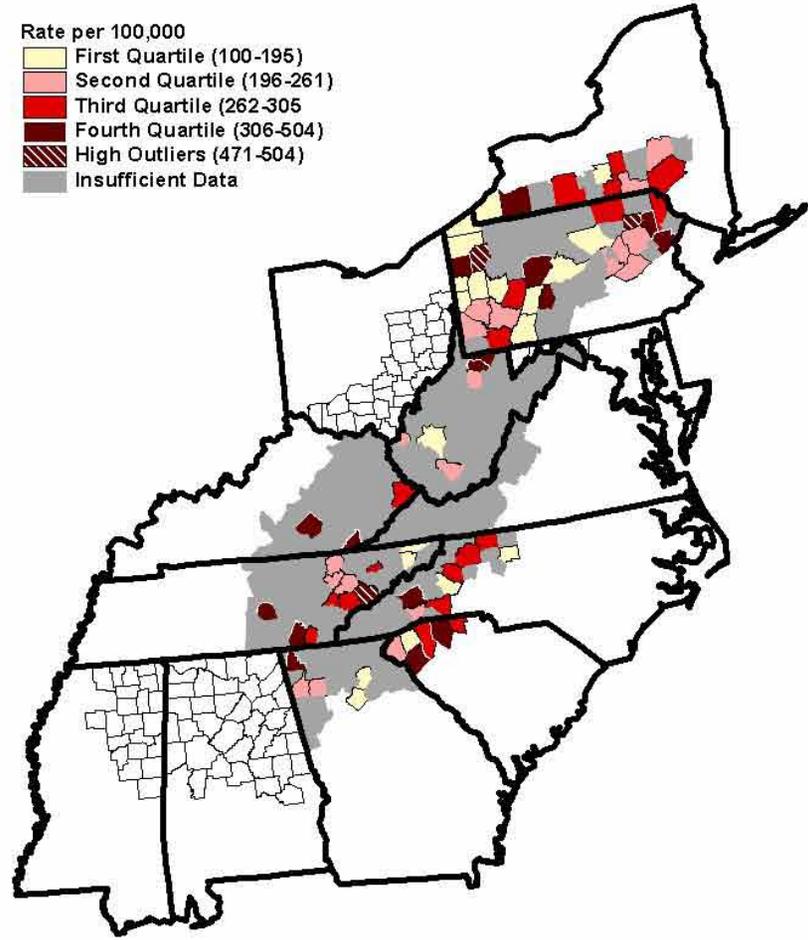
All Women Ages 35 to 64

- Rate per 100,000
- First Quartile (39-72)
 - Second Quartile (73-95)
 - Third Quartile (96-113)
 - Fourth Quartile (114-245)
 - High Outliers (175-245)
 - Insufficient Data



All Women Ages 65 and Older

- Rate per 100,000
- First Quartile (100-195)
 - Second Quartile (196-261)
 - Third Quartile (262-305)
 - Fourth Quartile (306-504)
 - High Outliers (471-504)
 - Insufficient Data



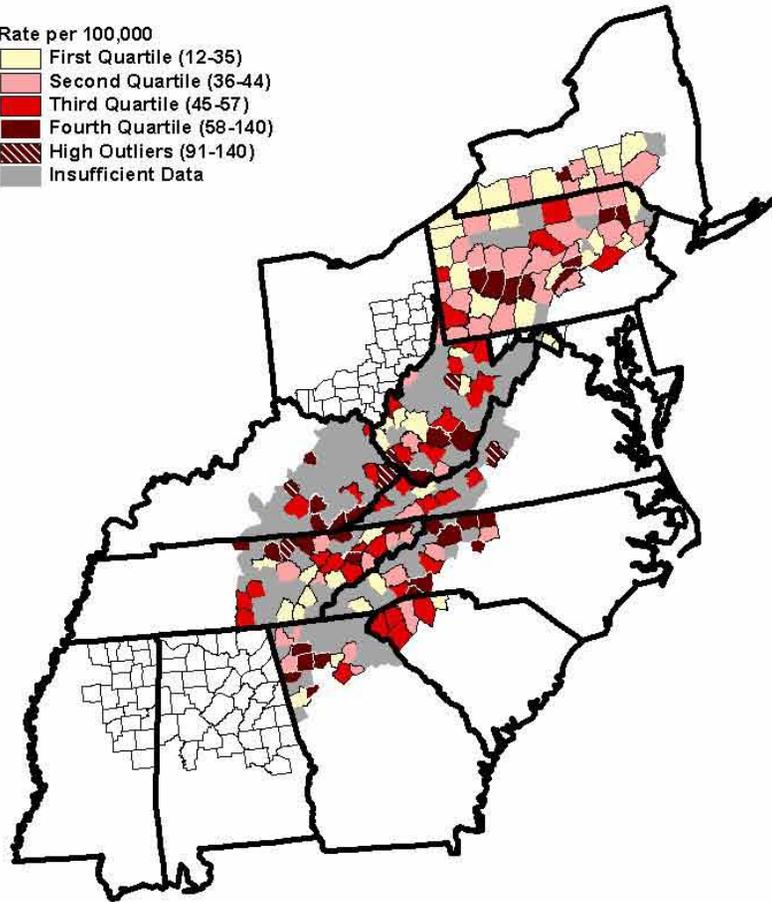
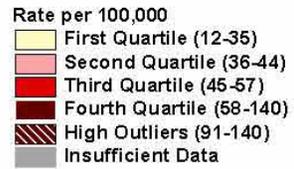
5. Colorectal cancer hospitalizations in Appalachia

For this analysis hospitalizations with a primary diagnoses related to colorectal cancer include those with malignant neoplasms of the colon or rectum.

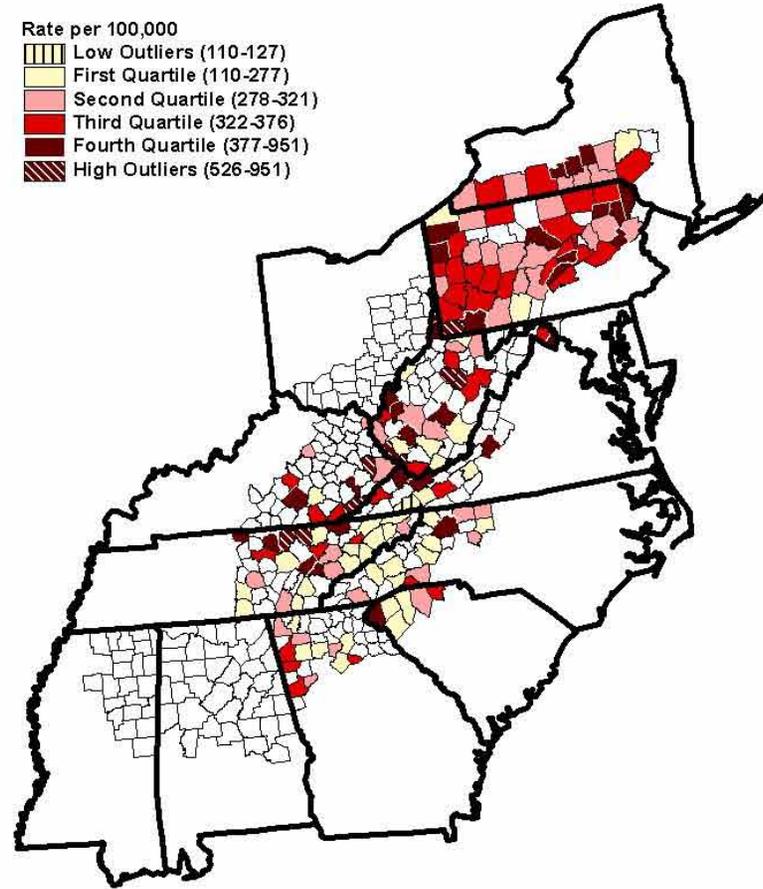
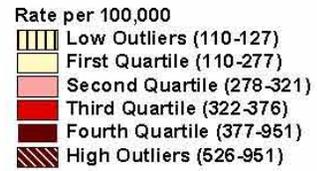
County-level rates of hospitalizations from colorectal cancer have been generated for all persons combined and men and women separately, for two age categories; 35 to 64 and 65 and older. County-level rates of hospitalizations from colorectal cancers are shown on pages 144-146. There is no clear clustering of counties with high or low rates of hospitalization; however, there is considerable variability in rates of hospitalizations among counties in the Appalachian region. High rates of colorectal cancer hospitalization are fairly sporadic throughout the region. There is considerable disparity in rates of hospitalization among those counties for which rates were calculated, both within each population subgroup and between age groups. Hospitalization rates from colorectal cancer related illnesses range from 12 per 100,000 to 140 per 100,000 for all persons ages 35 to 64 and from 110 per 100,000 to 951 per 100,000 for all persons ages 65 and older. Among men ages 35 to 64 rates range from 39 per 100,000 to 688 per 100,000. Among elderly men rates ranged from 187 per 100,000 to 1,652 per 100,000. Among women ages 35 to 64 rates range from 12 per 100,000 to 154 per 100,000. Among elderly women rates ranged from 147 per 100,000 to 684 per 100,000.

Colorectal Cancer Hospitalization Rates, 2000

All Persons Ages 35 to 64



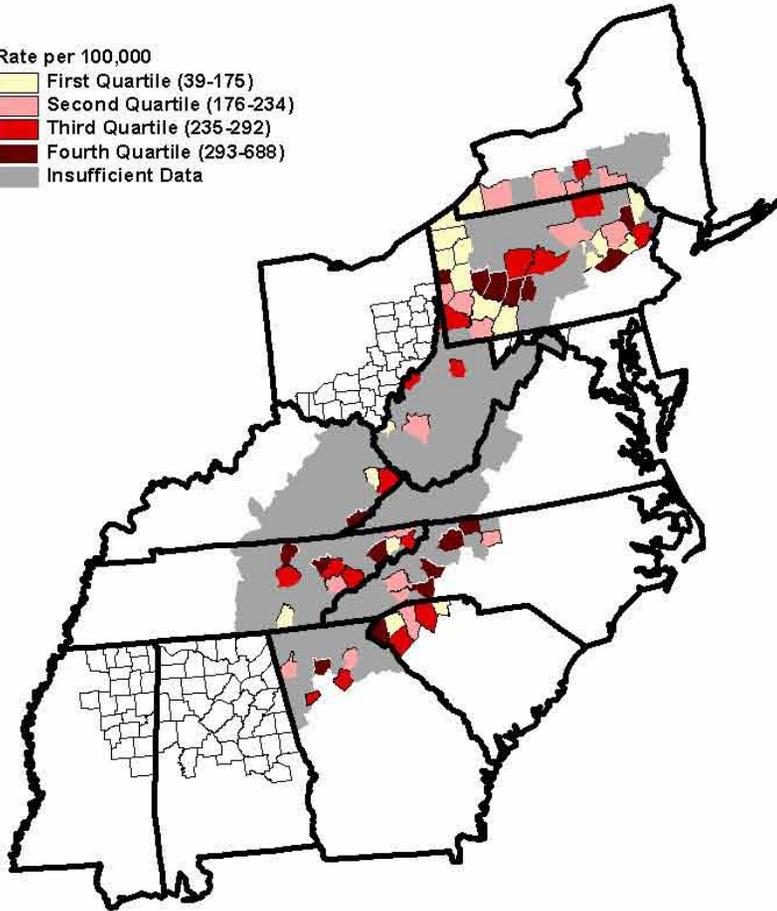
All Persons Ages 65 and Older



Colorectal Cancer Hospitalization Rates, 2000

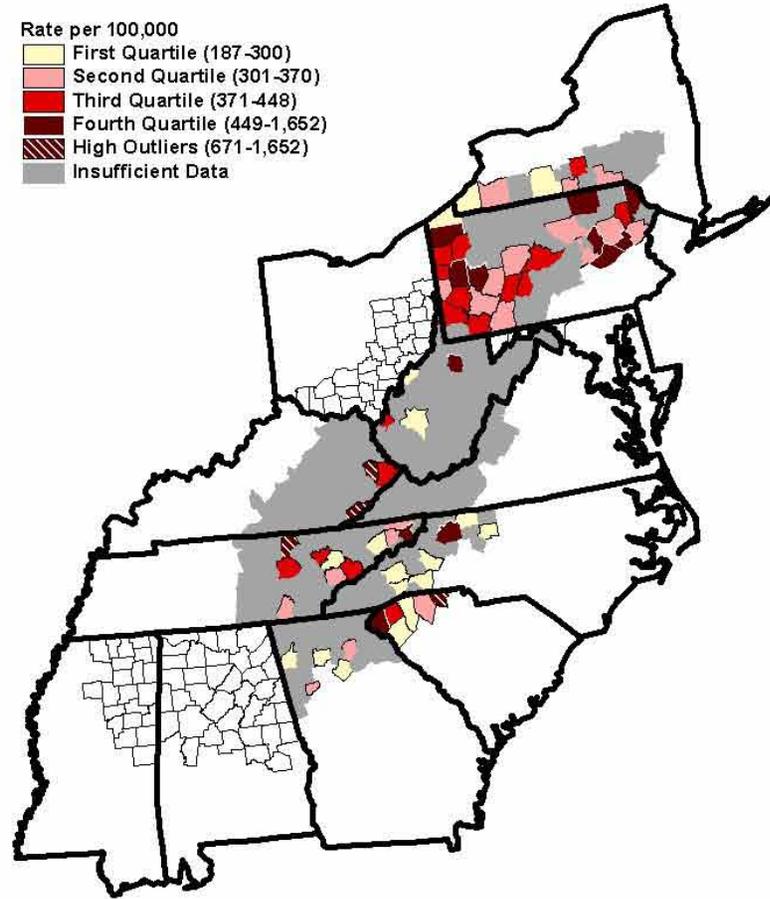
All Men Ages 35 to 64

- Rate per 100,000
- First Quartile (39-175)
 - Second Quartile (176-234)
 - Third Quartile (235-292)
 - Fourth Quartile (293-688)
 - Insufficient Data



All Men Ages 65 and Older

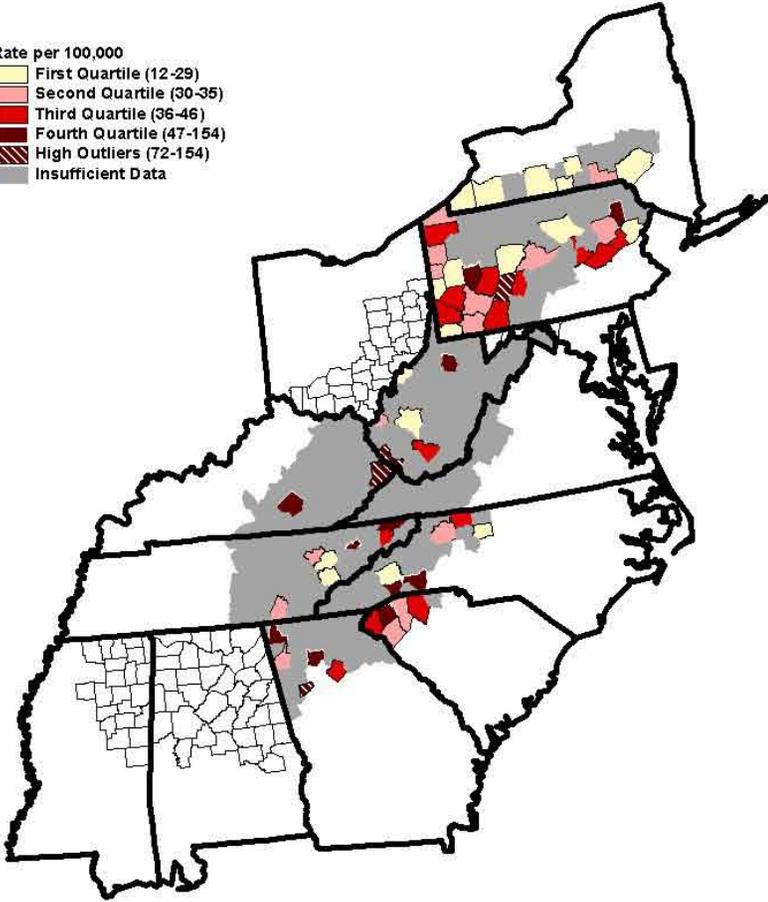
- Rate per 100,000
- First Quartile (197-300)
 - Second Quartile (301-370)
 - Third Quartile (371-448)
 - Fourth Quartile (449-1,652)
 - High Outliers (671-1,652)
 - Insufficient Data



Colorectal Cancer Hospitalization Rates, 2000

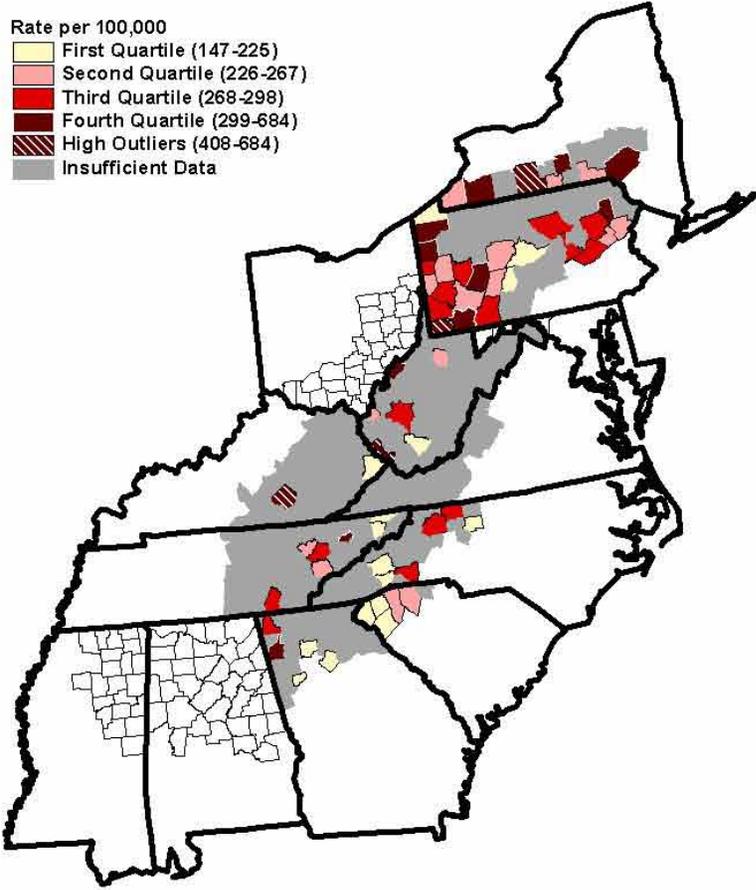
All Women Ages 35 to 64

- Rate per 100,000
- First Quartile (12-29)
 - Second Quartile (30-35)
 - Third Quartile (36-46)
 - Fourth Quartile (47-154)
 - High Outliers (72-154)
 - Insufficient Data



All Women Ages 65 and Older

- Rate per 100,000
- First Quartile (147-225)
 - Second Quartile (226-267)
 - Third Quartile (268-298)
 - Fourth Quartile (299-684)
 - High Outliers (408-684)
 - Insufficient Data



6. Lung cancer hospitalizations in Appalachia

For this analysis hospitalizations related to lung cancer include those with malignant neoplasms of the lung.

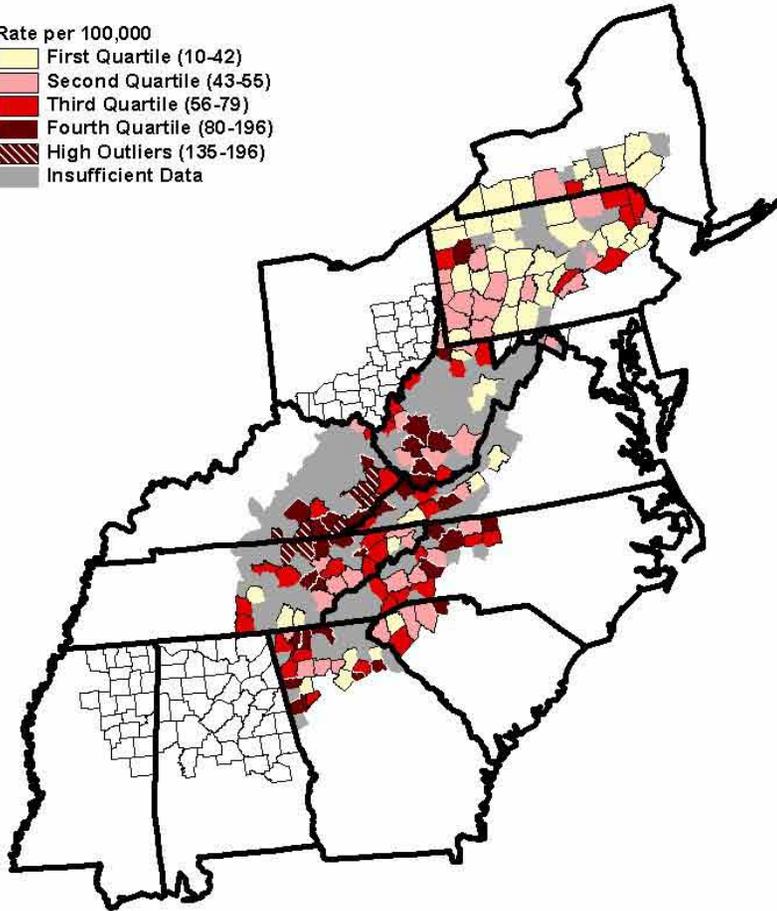
County-level rates of hospitalizations from lung cancer have been generated for all persons combined and men and women separately, for two age categories: 35 to 64 and 65 and older. County-level rates of hospitalizations from lung cancers are shown on pages 148-150. Although a significant number of counties had insufficient lung cancer hospitalizations to generate stable rates, some geographic clustering does appear to occur. In general, clustering of high hospitalization rates occur in the Central Appalachian counties in portions of Eastern Kentucky, Southern West Virginia, and Western Virginia. This pattern is most clear for all persons in both age groups. Most of the high outlier counties also occur in these areas among all persons, men, and women in both age categories. Hospitalization rates appear to be higher for elderly men than for elderly women.

There is considerable disparity in rates of hospitalization, both within each population subgroup and between age groups. Hospitalization rates from lung cancer range from 10 per 100,000 to 196 per 100,000 for all persons ages 35 to 64 and from 112 per 100,000 to 1,003 per 100,000 for all persons ages 65 and older. Among men ages 35 to 64 rates range from less than 1 per 100,000 to 184 per 100,000. Among elderly men rates ranged from 168 per 100,000 to 1,031 per 100,000. Among women ages 35 to 64 rates range from 7 per 100,000 to 219 per 100,000. Among elderly women rates ranged from 110 per 100,000 to 531 per 100,000.

Lung Cancer Hospitalization Rates, 2000

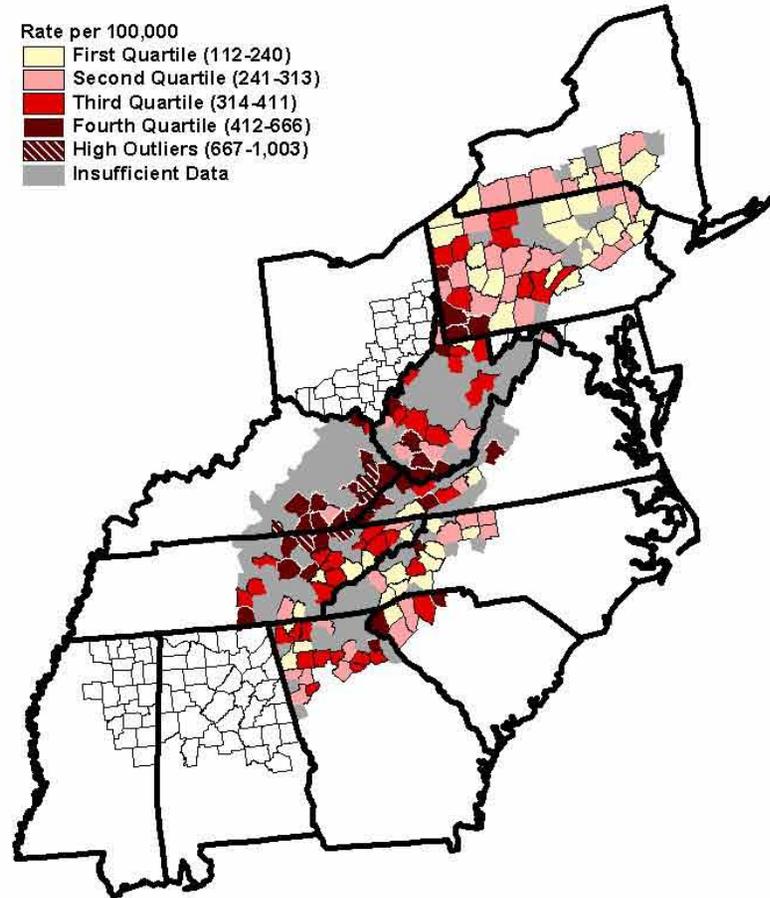
All Persons Ages 35 to 64

- Rate per 100,000
- First Quartile (10-42)
 - Second Quartile (43-55)
 - Third Quartile (56-79)
 - Fourth Quartile (80-196)
 - High Outliers (135-196)
 - Insufficient Data



All Persons Ages 65 and Older

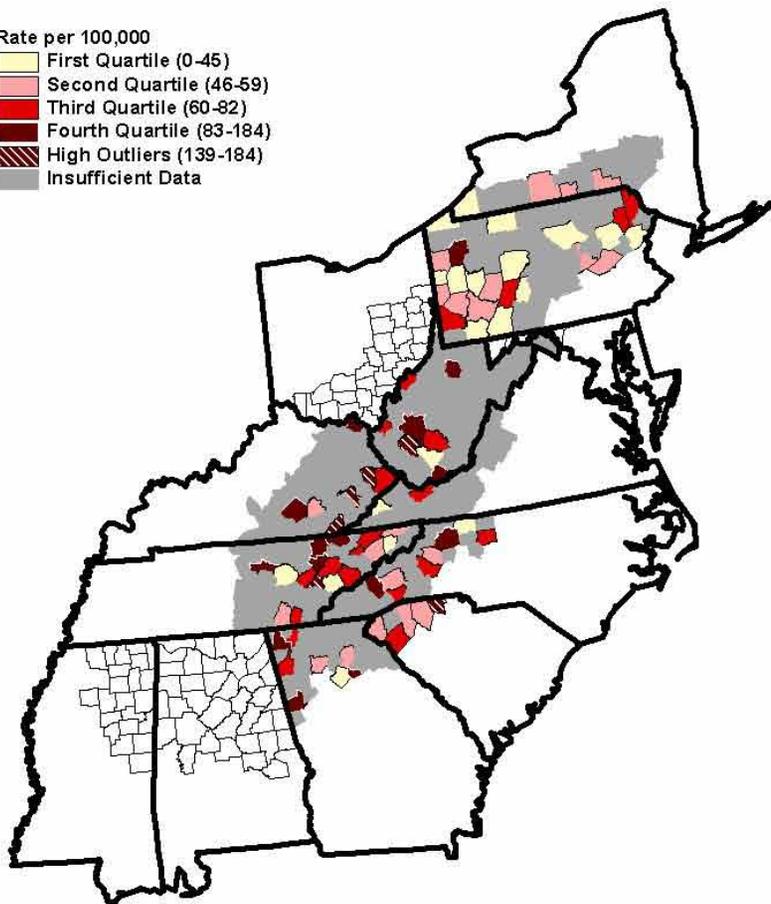
- Rate per 100,000
- First Quartile (112-240)
 - Second Quartile (241-313)
 - Third Quartile (314-411)
 - Fourth Quartile (412-666)
 - High Outliers (667-1,003)
 - Insufficient Data



Lung Cancer Hospitalization Rates, 2000

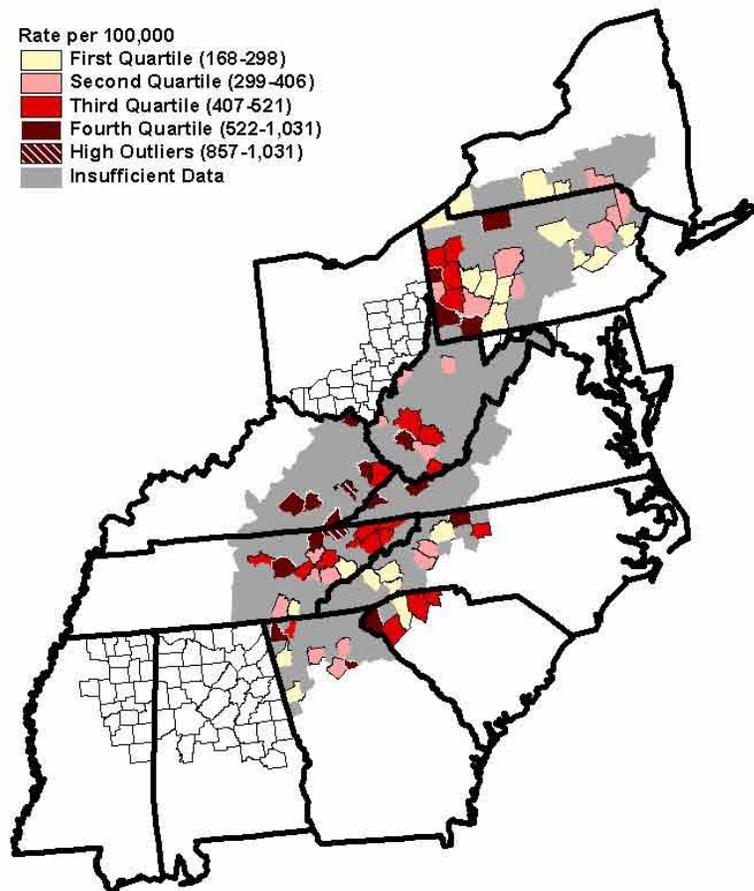
All Men Ages 35 to 64

- Rate per 100,000
- First Quartile (0-45)
 - Second Quartile (46-59)
 - Third Quartile (60-82)
 - Fourth Quartile (83-184)
 - High Outliers (139-184)
 - Insufficient Data



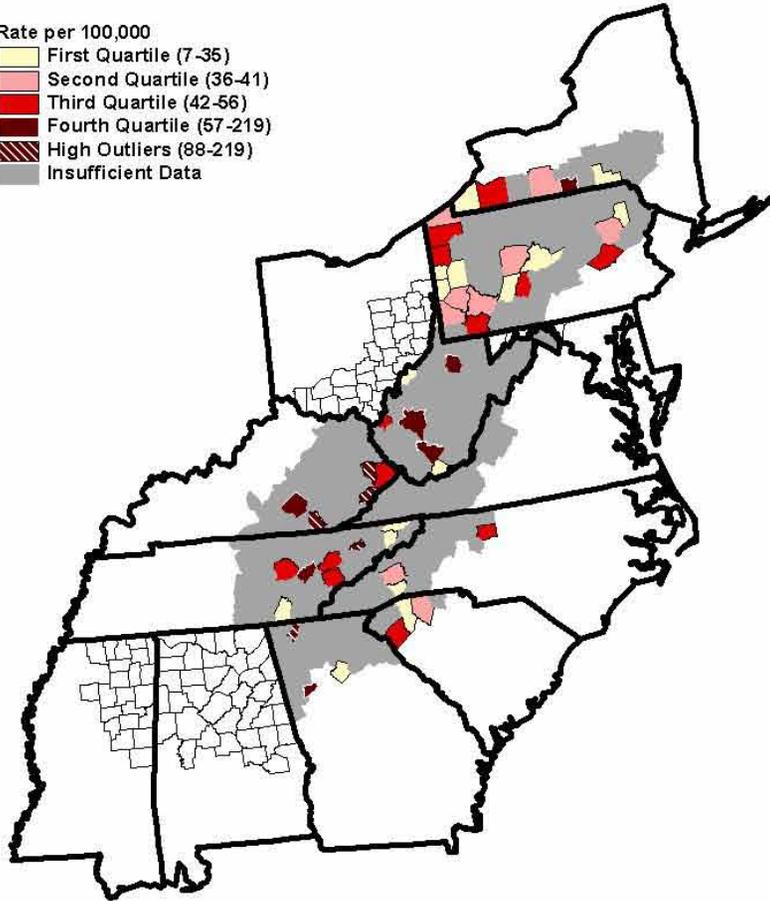
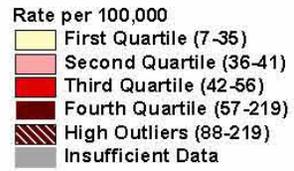
All Men Ages 65 and Older

- Rate per 100,000
- First Quartile (168-298)
 - Second Quartile (299-406)
 - Third Quartile (407-521)
 - Fourth Quartile (522-1,031)
 - High Outliers (857-1,031)
 - Insufficient Data



Lung Cancer Hospitalization Rates, 2000

All Women Ages 35 to 64



All Women Ages 65 and Older

