

## Radon Data Documentation

### **Code:**

US County FIPS Code (4 or 5 Digits)

### **State:**

Two Character State ID

### **County:**

County Name Character string

### **Lung Cancer Mortality**

Mortality Rate (Deaths per 100,000 Person-Years)

### **Radon**

County Average Indoor Radon Level (1 decimal place)      Continuous Exposure Level

### **Obesity**

Percent of Population Obese

### **Age Over 65**

Percent of Population Over 65

### **Currently Smoke**

Percent of Population who Currently Smoke

### **Ever Smoke**

Percent of Population who Ever Smoked

### **Median HH Income**

Income in \$1000 (corrected values, 2017)

### **Mort Rank**

Overall Rank on Lung Cancer Mortality Rate for this US County

### **Radon Rank**

Overall Rank on Radon level for this US County

### **Sources:**

Data and documentation obtained from [localcontrol.org](http://localcontrol.org)

See Krstic G, Obenchain RL. (2016) Radon dataset documentation and downloads.  
<http://localcontrolstatistics.org>

See also Obenchain RL. (2018) RADON\_short.pdf <http://localcontrolstatistics.org>

## **References:**

Lung cancer mortality (i.e., lung, trachea, and bronchus) by county area and gender in U.S. combined white and non-white adult population age 20 and over obtained from the National Cancer Institute (NCI) U.S. National Institutes of Health (NIH), Cancer Mortality Maps and Graphs online resource. Lung cancer mortality rates age-adjusted to the U.S. Census 2000 population, are expressed per 100,000 person-years for the period from 1980 to 2004.  
<http://ratecalc.cancer.gov/ratecalc/> (accessed July 2015).

Smoking prevalence data by county in 2000 2003 and 1997 1999 for adults age 18 and over are obtained from the NCI small area estimates for cancer risk factors and screening behaviors. National Cancer Institute (NCI), Small Area Estimates for Cancer Risk Factors and Screening Behaviors . National Institutes of Health (NIH), 2015.  
<http://sae.cancer.gov/estimates/lifetime.html> (accessed July 2015).

Household income data are averages of annual medians for 1989, 1993, 1997, 2000, and 2004 obtained from the Small Area Income and Poverty Estimates of the U.S. Census Bureau, U.S. Department of Commerce.  
<http://www.census.gov/did/www/saie/data/statecounty/> (accessed July 2015).

Obesity percentages are age\_adjusted 2008 rates at the county level. Max Masnick, 2011.  
[http://www.maxmasnick.com/2011/11/15/obesity\\_by\\_county/](http://www.maxmasnick.com/2011/11/15/obesity_by_county/) (accessed July 2015).

Indoor radon mean levels (pCi/L) by county for 1986 1992 obtained from the 2014 State Residential Radon Survey (SRRS) of the U.S. Environmental Protection Agency Radiation & Indoor Environments Division (obtained through personal communication with EPA staff).