

Description: **South Carolina Air Quality Data**

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**Abstract:**

South Carolina Air Quality datasets consist of Number of Days above the Standard for Ozone, Number of Person-Days above the Standard for Ozone, Percent Days above the Standard for PM<sub>2.5</sub>, Number of Person-Days above the Standard for PM<sub>2.5</sub> and Average PM<sub>2.5</sub> Concentration. Number of Days above the Standard for Ozone dataset is represented as annual number of days with maximum 8-hour average ozone concentration above the National Ambient Air Quality Standard (NAQQS) by county, where monitors exist. Number of Person-Days above the Standard for Ozone represents annual number of person days with maximum 8-hour average ozone concentration above the National Ambient Air Quality Standard by county, where monitors exist. Percent Days above the Standard for PM<sub>2.5</sub> dataset is represented as annual percent of days with PM<sub>2.5</sub> levels above the National Ambient Air Quality Standard by county, where monitors exist. Number of Person-Days above the Standard for PM<sub>2.5</sub> dataset represents annual number of person days over the National Ambient Air Quality Standard, by county, where monitors exist. Average PM<sub>2.5</sub> Concentration depicts annual average ambient concentration for PM<sub>2.5</sub> by county, where monitors exist.

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**Purpose:**

To provide the public, EPHT grantees, researchers, and other public health professionals with information pertaining to Air Quality data in the state of South Carolina.

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**Supplemental Information:**

Bureau of Air Quality at DHEC monitors and maintains South Carolina's ambient air and submits ambient air data measurements to Environmental Protection Agency (EPA). Ozone and PM<sub>2.5</sub> data were downloaded from the Air Quality System (AQS) database maintained by EPA. Only monitors with 75% data completion were included. The data represents only counties that have air monitors. Within counties, the monitor with the highest reading on any day was used. The number of person-days above the standard is calculated by multiplying the number of days above PM<sub>2.5</sub> or ozone NAQQS in a year for the county by the number of people in that county. Person-days are influenced by county population.

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**Notes:**

Any user of this data must have reviewed and understand the metadata content before attempting to interpret or use the Air Quality data. This is a public dataset and is not for commercial purposes. Any use of this data should contain proper data source acknowledgement: Bureau of Air Quality, SC DHEC

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**Contact Information:**

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