

June 2020

Access to Delivery Sites: Data Sources

Population Weighted Block Group Centroids

Block group centroids, weighted by block-level populations using the weighted mean center formula. Block populations from the US Census (2010).

South Carolina Perinatal Hospitals

Provided by South Carolina Department of Health and Environmental Control (2020).
<https://scdhec.gov/health-regulation/healthcare-facility-licensing/licensed-sc-healthcare-facilities-lists>

North Carolina Perinatal Hospitals (within 30 miles of the South Carolina state border)

Provided by North Carolina Department of Health and Human Services (2020).
<https://www2.ncdhhs.gov/dhsr/reports.htm> (accessed June 2020)
<https://www2.ncdhhs.gov/dhsr/data/hllistco.pdf> (accessed June 2020)

Georgia Perinatal Hospitals (within 30 miles of the South Carolina state border)

Identified by reviewing online the services offered by hospitals in major urban centers of Georgia that were within 30 miles of the SC border (analysis conducted June 2020).

Women of Child Bearing Age

Women of Child Bearing age is defined as females between the ages of 15 - 44 years. Esri Demographics 2019-2024, Estimated counts of females by 5 year age groups for the 2019 calendar year.

Drivetime Calculations

Drivetimes in minutes were calculated using Esri Arcmap software (version 10.7.1). The OD Cost Matrix Tool was set to use population weighted block group centroids as origins and delivery sites as destinations. The network dataset used for routing was Esri StreetMap Premium 2020 R1.

Rurality

The US Census Bureau identifies two types of urban areas: Urbanized Areas (UAs) of 50,000 or more people; Urban Clusters (UCs) of at least 2,500 and less than 50,000 people. "Rural" encompasses all population, housing, and territory not included within an urban area. Data used in this application is from the US Census (2010).

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Vehicles per 100 Persons in Occupied Housing Units

Calculated using the component indicators: Aggregate Number of Vehicles Available and Population in Occupied Housing Units. Tables: B25046 and B25008 from the American Community Survey 5 year estimates (2019).