

2023 County Data Package

Knox County



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QUICK FACTS

Population: **466,184**

Median Age: **37.4**

Median Household Income: **\$59,250**

Race and Ethnicity:

White: **81.9%**

Black or African American: **8.6%**

Asian: **2.2%**

Native American or Alaska Native: **0.2%**

Native Hawaiian and Other Pacific Islander: **<0.1%**

Some Other Race: **1.1%**

Two or More Races: **2.3%**

Hispanic or Latino Origin (of any race): **4.4%**

HEALTH OUTCOMES


MORTALITY

The number of deaths in a population during a certain amount of time. Metrics included in this section are infant mortality, suicide mortality, and deaths due to fatal drug overdoses.

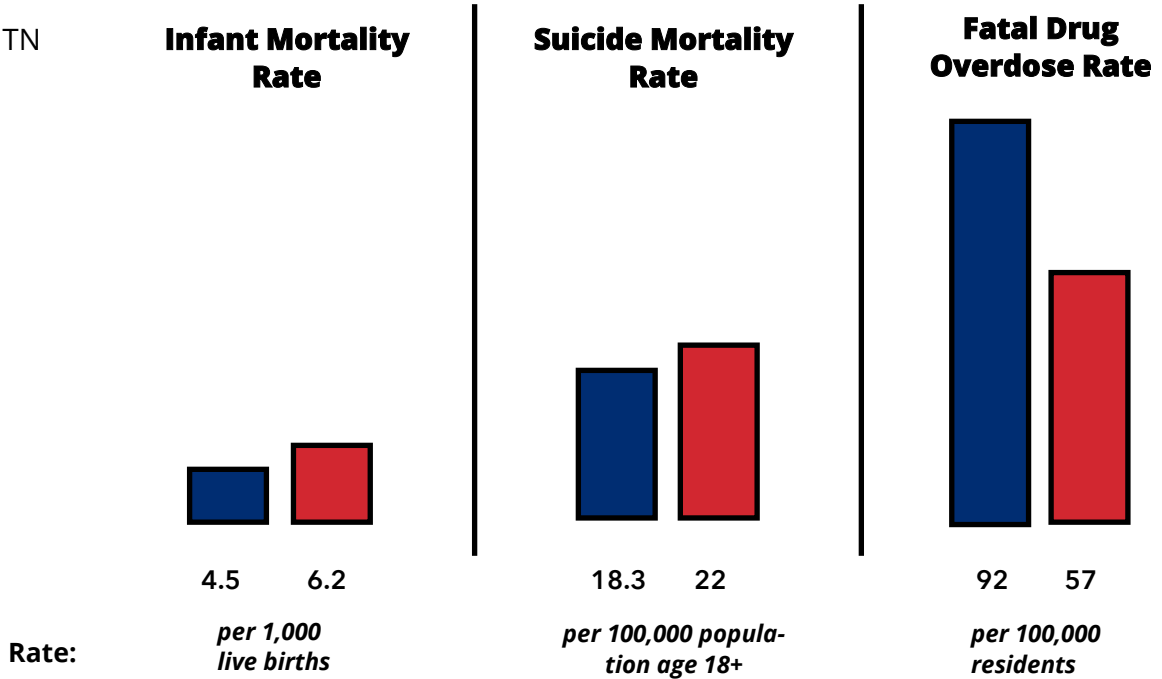
Leading causes of death: *This metric can be used to see trends in health inequities. Systemic health and social inequities some populations at higher risk of these diseases or severe illness. Chronic conditions can be exacerbated by social factors and life stressors, which vary among racial and ethnic groups.*

- 1.** Heart Disease
- 2.** Cancerous Tumors
- 3.** Accidents (Unintentional Injuries)
- 4.** COVID-19
- 5.** Chronic Lower Respiratory Diseases (COPD, Emphysema, Asthma, etc.)

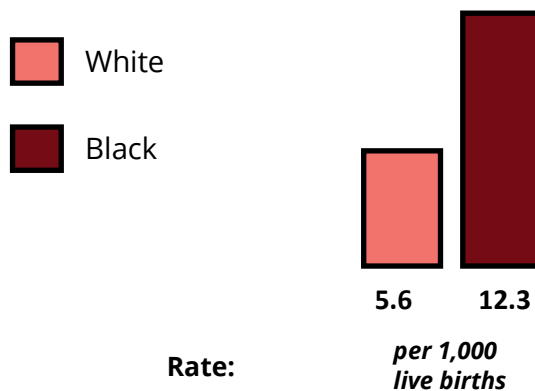
MORTALITY CONTD.

 Knox County

 TN



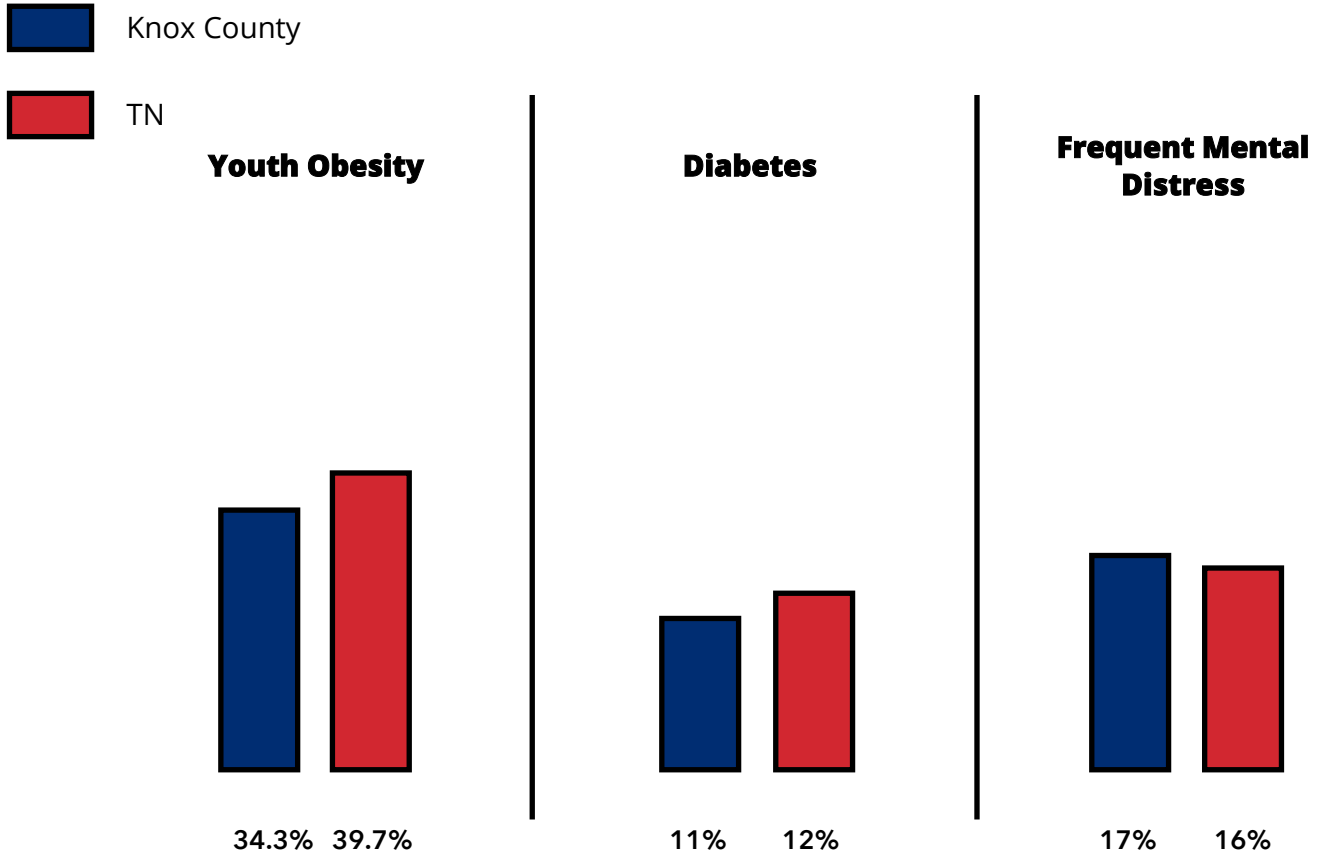
Infant Mortality by Race in Tennessee



Infant mortality is a good indicator of overall population health. It is often used to show disparities in how sub-populations access and receive health care. Maternal and infant health disparities reflect underlying socioeconomic inequities.

MORBIDITY

Morbidity means illness, disease, or a certain health state. Mental health is a state of cognitive, behavioral, and emotional well-being. The following indicators are included in this section: youth obesity, diabetes, and frequent mental distress (experiencing poor mental health for at least 14 out of the last 30 days).



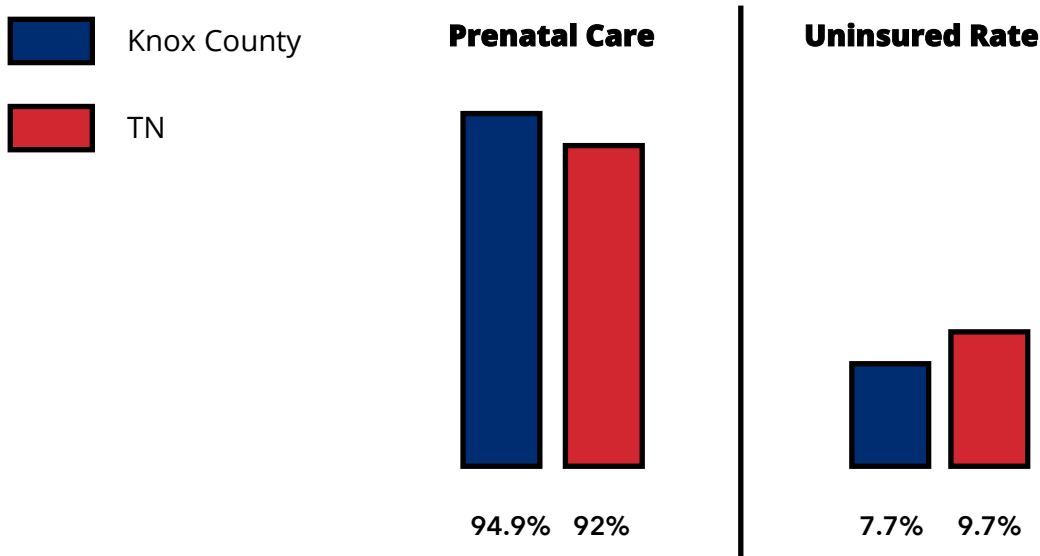
SOCIAL DRIVERS OF HEALTH

The following sections will highlight data as it pertains to healthcare access and quality, health behaviors, one's social environment, and the physical/built environment.

Social Drivers of Health Definition: Social drivers, also known as social determinants of health, are the conditions in which people are born, grow, live, work and age. They include factors like education, socioeconomic status, employment, access to health care, behaviors, and physical, social, and built environments. The reason we are shifting towards the use of "social drivers" is that the word "determinants" suggests nothing can be done to change our health fate. By reframing and saying social factors drive our health we show that social factors are something that people and communities can overcome or change.

HEALTH CARE ACCESS AND QUALITY

Healthcare access is the ability to obtain affordable and high-quality healthcare services. Receiving better quality health care is linked to improved health outcomes. Metrics included are access to care providers, prenatal care, and the uninsured rate.



Shortage Area Rankings —Based on provider to population ratios with **1** being the **worst** and **95** being the **best** .

Rankings:	Primary Care	Pediatric Care	Obstetric Care	TennCare Providers
	23	45	1	24
Population to provider ratios:	1245:1	963:1	7660:1	1221:1

BEHAVIORAL HEALTH PROVIDERS


This map shows the location of behavioral and mental health providers across the state.



HEALTH BEHAVIORS

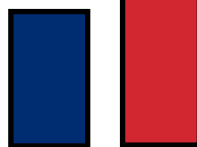
* data only available at the state level

Health behaviors are actions that can directly affect health outcomes. Healthy behaviors lower the risk of health conditions, while unhealthy behaviors increase that risk. The following indicators are included in this section: teen births, vaccinations, smoking, physical inactivity (adults participating in no physical activity outside of work), and substance use.

 Knox County

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Teen Birth Rate



14.1 21.5

per 1,000 women
aged 15-19

Childhood Vaccinations*



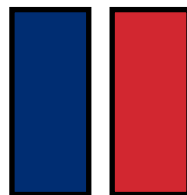
72.3%

Youth Substance Use*



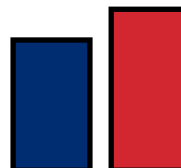
28.1%

Physical Inactivity



29% 29%

Adult Smoking

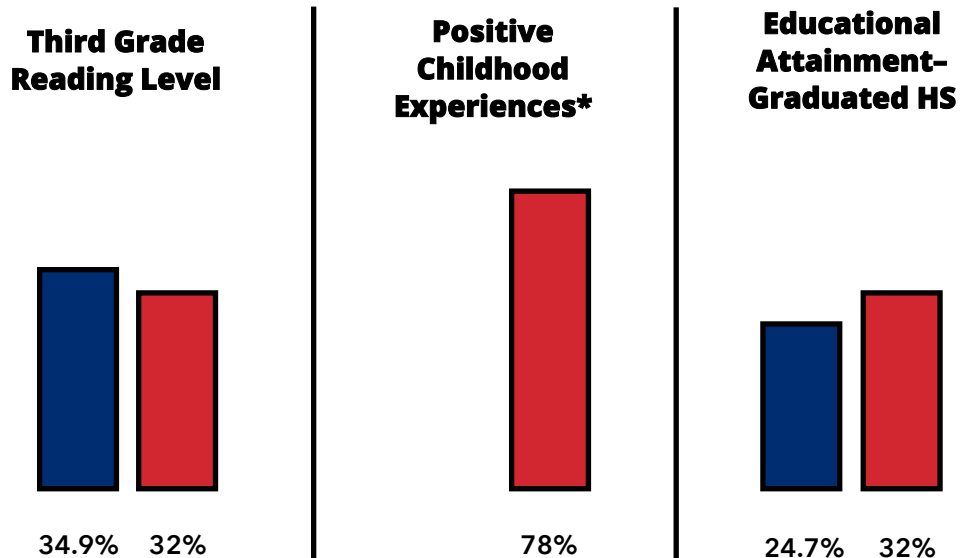


19% 21%

SOCIAL ENVIRONMENT


The social environment is someone's immediate physical and social setting where they live, learn, work, and develop. It is the social environment that affects whether people can make healthy choices easily. Metrics included in this section are third-grade reading level, positive childhood experiences (people reporting 5+), high school graduation rate, unemployment rate, adult and child poverty rate, voter participation rate, and population speaking a language other than English at home.

- There are **271 child care providers** in **Knox County** to serve the **100,473 children** under the age 18.
- Between 2016 and 2020 the **average annual domestic violence victimization rate** for **Knox County** was **925 victims**, the **average for Tennessee** was **1,163 victims**.



* data only available at the state level

SOCIAL ENVIRONMENT CONTD.

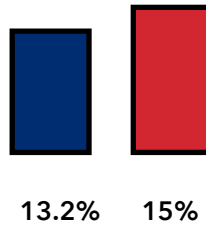
 Knox County

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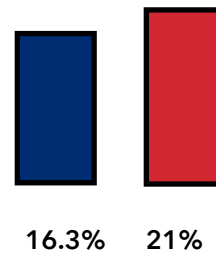
Unemployment Rate



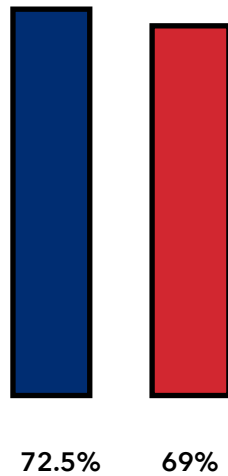
Poverty Rate



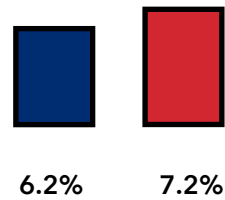
Child Poverty Rate



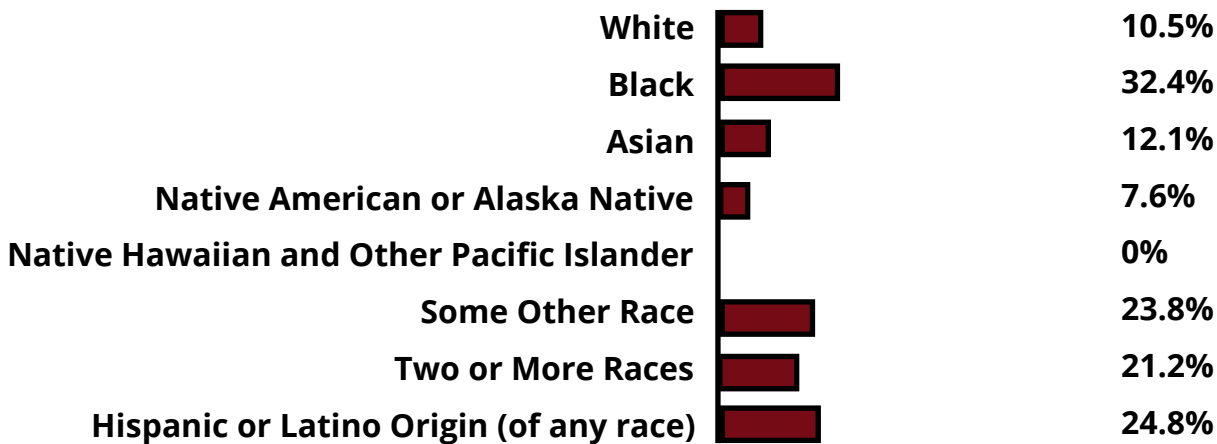
Voter Participation Rate



Speak a Language other than English at home

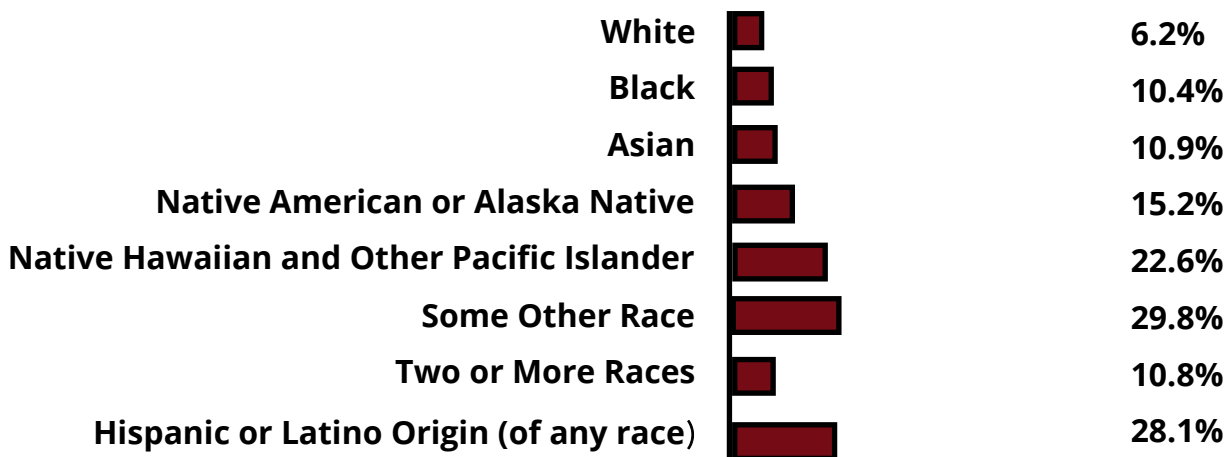


Poverty Rate by Race and Ethnicity in Knox County



Residents of impoverished communities are at a higher risk for adverse health effects such as mental health issues, chronic disease, higher mortality, and lower life expectancy, for example. According to Healthy People 2030, children make up the largest age group of those experiencing poverty.

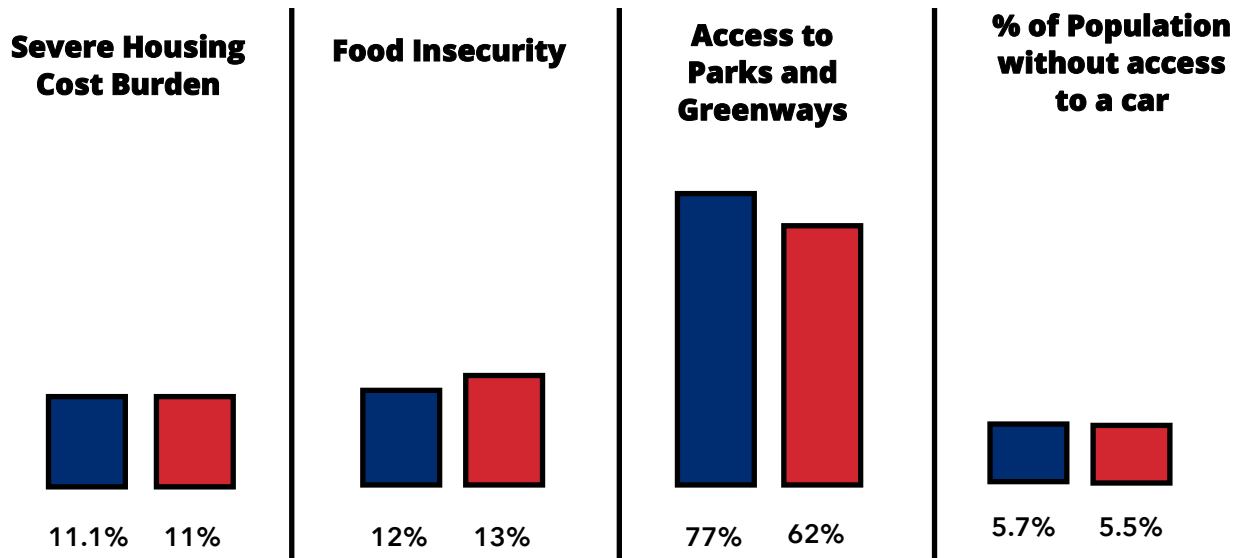
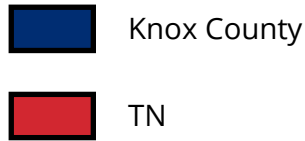
Uninsured Rate by Race and Ethnicity in Knox County



Individuals without health insurance may have trouble accessing quality health care.

PHYSICAL AND BUILT ENVIRONMENT

The built environment includes all physical parts of where we live and work and influences a person's level of physical activity. Metrics included in this section are severe housing cost burden (percentage of households that spend more than 50% of household income on housing), food insecurity, vehicle access, and access to green spaces.



- In **Tennessee** there are approximately **7,256** people experiencing **homelessness**.
- In 2020 **Knox County** had **NO** drinking water violations.

Metric	Description	Source
Population	Total Population	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Median Age	Median Age	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Median Household Income	Median Household Income	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Race and Ethnicity	% of Population that is in that racial or ethnic group.	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Leading Causes of Death	Top 5 Leading Causes of Death	Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics. System, Mortality 2018-2020 on CDC WONDER Online Database, released in 2021. Data are from the Multiple Cause of Death Files, 2018-2020, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/ucd-icd10-expanded.html
Infant Mortality Rate	Number of infant deaths with rates per 1,000 live births	Tennessee Department of Health Death Statistics, 2021
Suicide Mortality Rate	Number of deaths from suicide with rates per 100,000 population aged 18 and older	Tennessee Department of Health Death Statistics, 2021
Fatal Drug Overdose Rate	All drug overdose deaths per 100,000 residents	Tennessee Department of Health Death Statistics, 2021, https://www.tn.gov/health/health-program-areas/pdo/pdo/data-dashboard.html
Youth Obesity	Prevalence of Overweight or Obese (BMI ≥ 85th percentile) Assessed Students in Tennessee Public Schools by County	Tennessee Department of Education, Coordinated School Health, 2019-2020
Diabetes	Percentage of adults aged 20 and above with diagnosed diabetes (age-adjusted).	https://www.countyhealthrankings.org/ , 2019
Frequent Mental Distress	Percentage of adults reporting 14 or more days of poor mental health per month (age-adjusted).	https://www.countyhealthrankings.org/ , 2019
Shortage Area Rankings and Ratios	Rankings are based off of the number of providers to population ratios	Census of Healthcare Providers Annual Survey, 2021
Behavioral Health Providers	Behavioral health providers located in or that offer services in each county (includes telehealth)	Census of Healthcare Providers Annual Survey, 2021
Prenatal Care	Percentage of live births in which the mother began prenatal care between the first and sixth month of pregnancy	Birth Statistical File - TN Office of Vital Statistics, 2021
Uninsurance Rate	% of county population in the past 12 months with no insurance coverage	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Teen Birth Rate	Number of births per 1,000 women aged 15-19 years	Birth Statistical File - TN Office of Vital Statistics
Childhood Vaccinations	Percentage of children who received by age 35 months all recommended doses of the combined 7-vaccine series	CDC, National Immunization Survey-Child (Birth Cohort), 2017-2018, https://www.cdc.gov/vaccines/imz-managers/coverage/childvaxview/interactive-reports/index.html
Youth Substance Use	Percent of students that were offered, sold, or given an illegal drug on school property	Youth Risk Behavior Surveillance System, 2019, https://nccd.cdc.gov/Youthonline/App/Default.aspx
Physical Inactivity	Percentage of adults age 18 and over reporting no leisure-time and/or physical activity (age-adjusted).	https://www.countyhealthrankings.org/ , 2019

Metric	Description	Source
Adult Smoking	Percentage of adults who are current smokers (age-adjusted).	https://www.countyhealthrankings.org/ , 2019
Third Grade Reading Level	Percent of students in Grade 3 that test "on track" and "mastered" for ELA on TN Ready	Tennessee Department of Education, 2017-2021
Positive Childhood Experiences	% of Tennesseans reporting 5+ positive childhood experiences	Behavioral Risk Factors Surveillance System (BRFSS) , 2021
Educational Attainment	% of county population in the past 12 months that is 25 and older with a high school degree	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Child Care Facilities	# of licensed Child Care Centers in each County	TN Department of Human Services , Accessed November, 2022
Population Under 18	% of total population in the past 12 months that is aged under 18 years	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Unemployment Rate	% of labor force that is unemployed	Bureau of Labor Statistics, Local Area Unemployment Statistics, 2021 Annual Average, https://www.bls.gov/lau/data.htm
Poverty Rate	% of all persons 18 years and over whose income in the past 12 months is below the poverty level	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Child Poverty Rate	% of all persons 18 years and younger whose income in the past 12 months is below the poverty level	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Voter Participation Rate	% of voting aged population that voted in the general election	United States Election Project. General Election Turnout Rates. November 2020
Speak a Language Other than English at Home	% of population that speaks a language other than English at home in the past 12 months	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Domestic Violence	Domestic Violence Victim Rates	TN Bureau of Investigation, 2016-2020, rate per 100,000
Severe Housing Cost Burden	Severe Housing Cost Burden is the percentage of households that spend 50%+ of their household income on housing, for both renters and home owners.	HUD's Comprehensive Housing Affordability Strategy (CHAS) Data, 2015-2019
Food Insecurity	Food Insecurity estimates the percentage of the population who did not have access to a reliable source of food during the past year.	https://www.countyhealthrankings.org/ , 2019
Access to Parks and Greenways	The percentage of individuals in a county who live reasonably close to a location for physical activity. Locations for physical activity are defined as parks or recreational facilities. Individuals are considered to have access to exercise opportunities if they: <ul style="list-style-type: none"> • reside in a census block that is within a half mile of a park, or • reside in an urban census block that is within one mile of a recreational facility, or • reside in a rural census block that is within three miles of a recreational facility. 	https://www.countyhealthrankings.org/ , 2019
% of Population without Access to a Car	% of county population that reported not owning a vehicle in the past 12 months	U.S Census Bureau, American Community Survey, 2020 5-Year Estimates, data.census.gov
Homelessness	Count of homeless population on a given night in the state	HUD Exchange, Annual Point in Time Count of Homelessness Population, 2020
Drinking Water	Indicator of the presence of health-related drinking water violations. 'Yes' indicates the presence of a violation, 'No' indicates no violation.	https://www.countyhealthrankings.org/ , 2019

If census data was unavailable it was suppressed to protect information about individual respondents and to provide a statistically reliable estimate.

