

APPENDIX

Tennessee Health Care Capacity Dashboard

Data Sources, Definitions, and Notes

Hospitals and Staffed Inpatient Beds

Tennessee Department of Health, "Joint Annual Report: Hospital Data for 2017," December 3, 2018. Accessed on 2/28/2019 from <https://apps.health.tn.gov/publicjars/default.aspx>.

- **Hospitals:** Includes only general/surgical hospitals, excludes specialty, exclusively children's, veterans, and psychiatric hospitals.
- **Staffed Inpatient Beds:** Staffed beds as of 2017. Numbers were adjusted to exclude hospitals that have closed since 2017.

Scott County inpatient bed information obtained from **Scott County, Tennessee**, "Hospital," 2018. Accessed on March 1, 2019 from <http://www.scottcounty.com/healthcare/hospital/>.

Hospital Closures Since 2010

Tennessee Department of Health, "Joint Annual Report: Hospital Data for 2017," December 3, 2018. Accessed on February 28, 2019 from <https://apps.health.tn.gov/publicjars/default.aspx>.

Tennessee Department of Health, "Joint Annual Report: Hospital Data for 2010," September 23, 2011. Accessed on February 28, 2019 from <https://apps.health.tn.gov/publicjars/default.aspx>.

WRCBtv, "UPDATE: Copper Basin Medical Center permanently closes," October 25, 2017. <https://www.wrcbtv.com/story/35388582/inpatient-services-suspended-at-copper-basin-medical-center-due-to-lack-of-funds>

WBBJ, "McKenzie Hospital Announces Plans to Close," July 27, 2018. <https://www.wbbjtv.com/2018/07/27/breaking-mckenzie-hospital-announces-plans-to-close/>

Cookeville Regional Medical Center, "Closing of Cumberland River Hospital," January 25, 2019. <https://crmchealth.org/closing-cumberland-river-hospital>

Nelson, Kristi and Whetstone, Tyler. "Tennova to Close Physicians Regional, Lakeway Regional Hospitals by End of Year," October 25, 2018. <https://www.knoxnews.com/story/news/2018/10/25/knoxville-tennova-close-physicians-regional-lakeway-regional-hospitals-end-year/1762397002/>

Mental Health and Substance Abuse Treatment Beds

Tennessee Department of Mental Health and Substance Abuse Services, "2017 Behavioral Health Services County and Region Data Book," September 2017. Accessed on March 4, 2019 from <https://www.tn.gov/behavioral-health/research/data--research--and-planning/county-data-book.html>.

- **Drug Treatment Beds:** Bed capacity of alcohol and drug abuse adult residential rehabilitation treatment sites

- **Mental Health Treatment Beds:** Bed capacity of mental health adult residential treatment sites

Mental Health and Substance Abuse Treatment Sites

Tennessee Department of Mental Health and Substance Abuse Services, "Fast Facts: TDMHSAS Licensed Sites," April 4, 2019. Accessed on March 4, 2019 from <https://www.tn.gov/behavioral-health/research/tdmhsas-fast-facts-test-3/fast-facts--tdmhsas-licensed-sites.html>.

- **Licensed Substance Abuse Treatment Sites:** Includes halfway house treatment, non-residential office-based opiate treatment facility, non-residential opiate treatment, non-residential rehabilitation treatment, outpatient detoxification, residential detoxification, and residential treatment for children and youth.
- **Licensed Mental Health Treatment Sites:** Includes adult day treatment services, adult residential treatment, adult supportive residential, crisis stabilization units, mental health hospitals, intensive day treatment for children and adolescents, outpatient facilities, partial hospitalization facilities, psychosocial rehabilitation programs, residential treatment for children and youth, supportive living, and therapeutic nursery programs.

Emergency Departments

Data provided to the Sycamore Institute by the **Tennessee Hospital Association** on February 27, 2019.

- Includes both hospital-based and freestanding emergency departments.

Federally-Qualified Health Center (FQHC) Delivery Sites

Health Resources and Services Administration, "Health Center Service Delivery and Look-Alike Sites," February 25, 2019. Accessed on February 25, 2019 from <https://data.hrsa.gov/data/download>.

- Includes active federally-qualified health center and FQHC look-alike health care delivery sites – including school-based health centers.

Other Safety Net Sites

Include:

- Local public health departments that provide primary care services—excluding those that are also FQHCs, which are included in the FQHC counts
- Community- and faith-based clinics funded by the Tennessee Department of Health to provide primary care services to low-income, uninsured adjust
- Active rural health clinic sites, which are certified by the Health Resources and Services administration to provide primary care and lab services in rural areas.

Tennessee Department of Health, "Health Care Safety Net Update," January 2018.

https://www.tn.gov/content/dam/tn/health/documents/Safety%20Net%20Report_FY17.pdf

Health Resources and Services Administration, "Area Health Resource Files - County Level Data," July 2018. Accessed on February 25, 2019 from <https://data.hrsa.gov/data/download>.

Medication-Assisted Treatment (MAT) Providers

Substance Abuse and Mental Health Services Administration, "Buprenorphine Treatment Practitioner Locator," March 1, 2019. Accessed on March 1, 2019 from <https://www.samhsa.gov/medication-assisted-treatment/physician-program-data/treatment-physician-locator>.

- **MAT Providers:** Physicians certified to provide buprenorphine treatment for opioid use disorder

Providers

Health Resources and Services Administration, "Area Health Resource Files - County Level Data," July 2018. Accessed on February 25, 2019 from <https://data.hrsa.gov/data/download>.

Physician data are based on the American Medical Association's *Physician Masterfile*, which compiles physician information from state licensing agencies, among others. Locations are determined based on the address information in the *Masterfile*. Tennessee's licensing boards require physicians to provide both a mailing address and a practice address.

Note: Provider counts do not reflect any impact of 2016-2019 hospital closures in Carroll, Clay, Hamblen, Knox, McNairy, and Polk counties.

- **Primary Care Physicians:** Includes physicians working in general family medicine, general practice, general internal medicine, and general pediatrics in either an office- or hospital-based setting (based on data from the American Medical Association through December 31, 2016)
- **PAs and NPs:** Includes physician assistants and nurse practitioners (based on data from the U.S. Centers for Medicare and Medicaid Services through 2017)
- **Pediatricians:** Includes medical doctors specializing in general pediatrics in either an office- or hospital-based setting (based on data from the American Medical Association through December 31, 2016)
- **OB/GYNs:** Includes medical doctors specializing in general obstetrics/gynecology in either an office- or hospital-based setting (based on data from the American Medical Association through December 31, 2016)
- **General Surgeons:** Includes medical doctors specializing in general surgery in either an office- or hospital-based setting (based on data from the American Medical Association through December 31, 2016)

Imaging

Tennessee Health Services and Development Agency, "Registered CT Scanners," September 12, 2018. Accessed on February 25, 2019 from <https://www.tn.gov/hsda/medical-equipment-registry/medical-equipment-statistics.html>.

Tennessee Health Services and Development Agency, "Registered MRI," September 12, 2018. Accessed on February 25, 2019 from <https://www.tn.gov/hsda/medical-equipment-registry/medical-equipment-statistics.html>.

- **CTS and MRIs:** Number of registered CT scanners and MRIs. Mobile units were calculated as partial units based on the number of days per week/month each unit is in the county.

Mental Health Providers

Robert Wood Johnson Foundation and University of Wisconsin Population Health Institute, "2018 Tennessee Data," *2018 County Health Rankings*, 2018. Accessed on June 2018 from <http://www.countyhealthrankings.org/app/tennessee/2018/downloads>.

Note: Provider counts do not reflect any impact of 2018-2019 hospital closures in Carroll, Clay, Hamblen, and Knox counties.

- **Mental Health Providers:** Includes psychiatrists, psychologists, licensed clinical social workers, counselors, marriage and family therapists, mental health providers that treat alcohol and other drug abuse, and advanced practice nurses specializing in mental health care (based on data from the U.S. Centers for Medicare and Medicaid Services through 2017).

Context

U.S. Census Bureau, "Table PEPAGESEX," *Annual Population Estimates as of July 1, 2017*, 2018. Accessed on February 25, 2019 from <https://factfinder.census.gov>.

- 2017 population estimates were used to calculate all capacity ratios except those for Mental Health Providers, which were pre-calculated by the County Health Rankings.
- **Over 65:** percent of population age 65+

U.S. Census Bureau, "Table DP03," *American Community Survey 2013-2017 5-Year Estimates*, 2018. Accessed in December 2018 from <https://factfinder.census.gov>.

- **Poverty:** percent of people with incomes below the poverty level
- **Uninsured:** percent of all individuals without health insurance

Tennessee Division of TennCare, "Enrollment Data: January 2019," 2019. Accessed on February 25, 2019 from https://www.tn.gov/content/dam/tn/tenncare/documents2/fte_201901.pdf.

Robert Wood Johnson Foundation and University of Wisconsin Population Health Institute, "2018 Tennessee Data," *2018 County Health Rankings*, 2018. Accessed in June 2018 from <http://www.countyhealthrankings.org/app/tennessee/2018/downloads>.

- **Fair/Poor Self-Rated Health Status:** percent of adults who rate their health as "poor" or "fair" (based on 2016 data from CDC's Behavioral Risk Factor Surveillance System)
- **Poor Mental Health Days:** average number of mentally unhealthy days reported by adults in the past month (based on 2016 data from CDC's Behavioral Risk Factor Surveillance System)