

**New Mexico Cancer Council  
Rural Health Equity Workgroup  
Regional Cancer Data Snapshots, 2023  
Data Sources**

City Population Size

City population size was calculated using the 2022 population estimates from the U.S. Census Bureau.

U.S. Census Bureau. (n.d.). *Population Estimates, July 1, 2022 (V2022)*. U.S. Department of Commerce. Retrieved July 5, 2023, from Quick Facts, <https://www.census.gov/quickfacts/fact/table/US/PST045222>.

County Rural Areas

Percent rurality for designated geographic regions was calculated using the 2020 census data from the U.S. Census Bureau.

U.S. Census Bureau. (2023). *County-level Urban and Rural Information for the 2020 Census*. U.S. Department of Commerce. Retrieved July 7, 2023, from <https://www.census.gov/programs-surveys/geography/guidance/geo-areas/urban-rural.html>.

Frontier Counties (2022)

Frontier counties were defined as fewer than 7 persons per square mile. Please refer to the following website for more information on frontier county definitions:

<https://www.ruralhealthinfo.org/topics/frontier>.

Population density was based on the 2021 population estimates from the University of New Mexico Geospatial and Population Studies (GPS) Program.

Geospatial and Population Studies (GPS) Program. (2022). *New Mexico Estimated Population Counts by County – Population Density (2021)*. University of New Mexico. Retrieved July 5, 2023, from New Mexico's Indicator Based Information System (NM-IBIS), <https://ibis.doh.nm.gov/query/result/pop/PopCnty/Density.html>

Population Ages 65 Years Old or Older

Percent of the population ages 65 years old or older was calculated using the 2021 population estimates from the University of New Mexico Geospatial and Population Studies (GPS) Program.

Geospatial and Population Studies (GPS) Program. (2022). *New Mexico Estimated Population Counts by County – Percentage of Population Age 65 or More Years (2021)*. University of New Mexico. Retrieved July 5, 2023, from New Mexico's Indicator Based Information System (NM-IBIS), <https://ibis.doh.nm.gov/query/result/pop/PopCnty/Pct65.html>

#### Access to Primary Care

Access to primary care was defined by the Health Resources and Services Administration.

Bureau of Health Workforce, Health Resources and Services Administration (HRSA). (2023). *Designated Health Professional Shortage Areas Statistics: Designated HPSA Quarterly Summary (2023)*. U.S. Department of Health and Human Services. Retrieved July 5, 2023 from Rural Health Information Hub, <https://www.ruralhealthinfo.org/data-explorer?id=210&state=NM>.

#### Population Speaks English Very Well

Percentage of the population that speaks English very well was calculated using the 2016-2020 American Community Survey of the U.S. Census Bureau.

U.S. Census Bureau. (2023). *American Community Survey – Speak English Less than ‘Very Well’ (2016-2020 5-Yr ACS)*. U.S. Department of Commerce. Retrieved July 7, 2023, from New Mexico's Indicator Based Information System (NM-IBIS), <https://ibis.doh.nm.gov/query/result/acs/ACSSocial/EngNoWel.html>

#### Population Speaks a Language Other than English at Home

Percentage of the population that speaks a language other than English at Home was calculated using the 2016-2020 American Community Survey of the U.S. Census Bureau.

U.S. Census Bureau. (2023). *American Community Survey – Speak English Other than English at Home (2016-2020 5-Yr ACS)*. U.S. Department of Commerce. Retrieved July 7, 2023, from New Mexico's Indicator Based Information System (NM-IBIS), <https://ibis.doh.nm.gov/query/result/acs/ACSSocial/LangNoEn.html>

#### Cancer Estimates

Estimates of 2023 new cancer diagnoses were calculated using linear regression. Cancer surveillance data for diagnosis years 2011-2020 from the New Mexico Tumor Registry were used.

Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov)) SEER\*Stat Database: Incidence - SEER Research Plus Data, 12 Registries, Nov 2022 Sub (1992-2020) - Linked To County Attributes - Total U.S., 1969-2021 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, released April 2023, based on the November 2022 submission.

### Cancer Incidence Rates

Cancer incidence rates for diagnosis years 2011-2020 were calculated using cancer surveillance data from the New Mexico Tumor Registry and population data from the U.S. Census Bureau. Rates were age-adjusted to the US standard 2000 population.

Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov)) SEER\*Stat Database: Incidence - SEER Research Plus Data, 12 Registries, Nov 2022 Sub (1992-2020) - Linked To County Attributes - Total U.S., 1969-2021 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, released April 2023, based on the November 2022 submission.

### Cancer Mortality Rates

Cancer mortality rates for years at death 2011-2020 were calculated using mortality data from the National Center for Health Statistics (NCHS) and population data from the U.S. Census Bureau. Rates were age-adjusted to the US standard 2000 population.

Surveillance, Epidemiology, and End Results (SEER) Program ([www.seer.cancer.gov](http://www.seer.cancer.gov)) SEER\*Stat Database: Mortality - All COD, Aggregated With County, Total U.S. (1990-2020) <Katrina/Rita Population Adjustment> - Linked To County Attributes - Total U.S., 1969-2020 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, released June 2022. Underlying mortality data provided by NCHS ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)).

### Mammography Screening

Percentage of women age 50-74 years who had a mammogram within the past two years in 2020 was calculated using the New Mexico Behavioral Risk Factor Surveillance System. Percentages were not age-adjusted.

New Mexico Behavioral Risk Factor Surveillance System. (2023). *Mammogram Within the Past Two Years – U.S. Preventative Services Task Force Measure, Women Age 50-74 (2020)*. Injury and Behavioral Epidemiology Bureau, New Mexico Department of Health and U.S. Centers for Disease Control and Prevention. Retrieved July 7, 2023, from New Mexico's Indicator Based Information System (NM-IBIS), <https://ibis.doh.nm.gov/query/result/brfss/Mam50PSTF/Mam50PSTFCrude11.html>

### Colorectal Cancer Screening

Percentage of people who were up-to-date with at least one of several United States Preventative Services Task Force (USPSTF)-recommended colorectal cancer screening modalities in place during 2020 was calculated using the New Mexico Behavioral Risk Factor Surveillance System. The composite measure (calculated by the Centers of Disease Control and Prevention) is based on three elements of the recommendation: fecal immunochemical test

(FIT)/fecal occult blood test (FOBT) in the past year, colonoscopy in the past 10 years, or flexible sigmoidoscopy in the past 5 years. Percentages were not age-adjusted.

Bruggeman, E.E. (2023). [Unpublished raw data analysis]. New Mexico Behavioral Risk Factor Surveillance System (2020) [Data set]. Injury and Behavioral Epidemiology Bureau, New Mexico Department of Health and U.S. Centers for Disease Control and Prevention.

#### Cigarette Smoking

Percentage of people who currently smoke cigarettes in 2021 was calculated using the New Mexico Behavioral Risk Factor Surveillance System. Percentages were not age-adjusted.

New Mexico Behavioral Risk Factor Surveillance System. (2023). *Current Cigarette Smoking (2021)*. Injury and Behavioral Epidemiology Bureau, New Mexico Department of Health and U.S. Centers for Disease Control and Prevention. Retrieved July 7, 2023, from New Mexico's Indicator Based Information System (NM-IBIS), <https://ibis.doh.nm.gov/query/result/brfss/SmokeCurrent/SmokeCurrentCrude11.html>