Brain and Other Nervous System Tumors, New Jersey

Trends in Incidence Rates in New Jersey, 1990-2019*

Brain and Other Nervous System, by Gender

- Incidence rates of malignant brain and other nervous system (ONS) cancer decreased slightly over the past 30 years in both men and women, while rates of non-malignant brain and ONS tumors increased after 2004, when these were first required to be reported statewide. The trends in New Jersey are similar to national trends. 1
- Men had higher rates of malignant brain and ONS cancer than women, while women had higher rates of non-malignant brain and ONS tumors. The higher rates of non-malignant brain and ONS tumors in women compared to men was mainly due to higher rates of non-malignant meningiomas in women.
- Increases in non-malignant brain and ONS tumors may be due to a combination of factors: better reporting to cancer registries, improvements in diagnostic tools, and possible changes in exposures to risk factors.

Data source for cancer incidence: New Jersey State Cancer Registry February 2022 file, NJ Department of Health. Underlying mortality data were provided by the National Center for Health Statistics (www.cdc.gov/nchs). *Initial data report as of 2/22; rates and counts may change slightly as subsequent cancers or additional information are reported. **Non-Malignant tumors include benign and borderline behavior tumors. Benign and borderline brain and other nervous system tumors were not reportable before 2004. ***Information on deaths due to non-malignant brain and ONS tumors is not available.

^Average annual rate per 100,000, age-adjusted to the 2000 US standard population.


The New Jersey State Cancer Registry (NJSCR) Data Guidelines containing information on data analysis methods, race and ethnicity classification, and population and mortality data sources can be found at https://www.state.nj.us/health/ces/cancer-researchers/surv-research/