

**Table 12:
Distribution and Incidence Rates^{a,b} of Primary (Malignant and Non-Malignant) Brain and CNS Tumors by
Major Histology Groupings and Histology,
Age-Adjusted to the 2000 U.S. Standard Population
CBTRUS 2002-2006^c**

| Histology | TOTAL N | % of All Reported Brain Tumors | Median Age at Diagnosis | Adjusted Rate (95% C.I.) |
|---|--------------------|---|--|-------------------------------------|
| <u>Tumors of Neuroepithelial Tissue</u> | 30,415 | 35.5 | 54 | 6.49 (6.41-6.56) |
| Pilocytic astrocytoma | 1,608 | 1.9 | 13 | 0.34 (0.33-0.36) |
| Protoplasmic & fibrillary astrocytoma | 483 | 0.6 | 47 | 0.10 (0.09-0.11) |
| Anaplastic astrocytoma | 1,926 | 2.2 | 52 | 0.41 (0.39-0.43) |
| Unique astrocytoma variants | 450 | 0.5 | 40 | 0.10 (0.09-0.11) |
| Astrocytoma, NOS | 2,048 | 2.4 | 47 | 0.44 (0.42-0.46) |
| Glioblastoma | 14,555 | 17.0 | 64 | 3.11 (3.06-3.16) |
| Oligodendroglioma | 1,443 | 1.7 | 41 | 0.31 (0.29-0.32) |
| Anaplastic oligodendroglioma | 680 | 0.8 | 49 | 0.14 (0.13-0.16) |
| Ependymoma/anaplastic ependymoma | 1,313 | 1.5 | 40 | 0.28 (0.26-0.29) |
| Ependymoma variants | 434 | 0.5 | 43 | 0.09 (0.08-0.10) |
| Mixed glioma | 914 | 1.1 | 42 | 0.19 (0.18-0.21) |
| Glioma malignant, NOS | 1,942 | 2.3 | 38 | 0.42 (0.40-0.44) |
| Choroid plexus | 204 | 0.2 | 17 | 0.04 (0.04-0.05) |
| Neuroepithelial | 89 | 0.1 | 58 | 0.02 (0.02-0.02) |
| Non-malignant and malignant neuronal/glial | 1,272 | 1.5 | 26 | 0.27 (0.25-0.28) |
| Pineal parenchymal | 137 | 0.2 | 28 | 0.03 (0.02-0.03) |
| Embryonal/primitive/medulloblastoma | 917 | 1.1 | 9 | 0.20 (0.18-0.21) |
| <u>Tumors of Cranial and Spinal Nerves</u> | 7,865 | 9.2 | 53 | 1.66 (1.62-1.69) |
| Nerve sheath, non-malignant and malignant | 7,862 | 9.2 | 53 | 1.66 (1.62-1.69) |
| <u>Tumors of Meninges</u> | 29,868 | 34.9 | 64 | 6.40 (6.32-6.47) |
| Meningioma | 28,817 | 33.6 | 64 | 6.17 (6.10-6.25) |
| Other mesenchymal, non-malignant and malignant | 338 | 0.4 | 45 | 0.07 (0.06-0.08) |
| Hemangioblastoma | 713 | 0.8 | 48 | 0.15 (0.14-0.16) |
| <u>Lymphomas and Hematopoietic Neoplasms</u> | 2,186 | 2.6 | 63 | 0.47 (0.45-0.49) |
| Lymphoma | 2,186 | 2.6 | 63 | 0.47 (0.45-0.49) |
| <u>Germ Cell Tumors and Cysts</u> | 368 | 0.4 | 16 | 0.08 (0.07-0.09) |
| Germ cell tumors, cysts and heterotopias | 368 | 0.4 | 16 | 0.08 (0.07-0.09) |
| <u>Tumors of Sellar Region</u> | 9,765 | 11.4 | 50 | 2.08 (2.03-2.12) |
| Pituitary | 9,168 | 10.7 | 50 | 1.95 (1.91-1.99) |
| Craniopharyngioma | 597 | 0.7 | 38 | 0.13 (0.12-0.14) |
| <u>Local Extensions from Regional Tumors</u> | 85 | 0.1 | 52 | 0.02 (0.01-0.02) |
| Chordoma/chondrosarcoma | 85 | 0.1 | 52 | 0.02 (0.01-0.02) |
| <u>Unclassified Tumors</u> | 5,118 | 6.0 | 66 | 1.10 (1.07-1.13) |
| Hemangioma | 645 | 0.8 | 47 | 0.14 (0.13-0.15) |
| Neoplasm, unspecified | 4,407 | 5.1 | 69 | 0.95 (0.92-0.98) |
| All other | 66 | 0.1 | 54 | 0.01 (0.01-0.02) |
| TOTAL^d | 85,670 | 100.0 | 57 | 18.28 (18.16-18.40) |

^aRates are per 100,000 person years.

^bPopulation data source: Estimates from the U.S. Bureau of the Census, <http://seer.cancer.gov/popdata/index.html>

^cData compiled from Arizona, Colorado, Connecticut, Delaware, Idaho, Maine, Massachusetts, Minnesota, Montana, New Mexico, New York, North Carolina, North Dakota, Rhode Island, South Dakota, Texas, Utah, and Virginia.

^dRefers to all brain tumors including histologies not presented in this table.

Abbreviations: CBTRUS, Central Brain Tumor Registry of the United States; SEER, Surveillance, Epidemiology and End Results Program; CI, confidence interval; NOS, not otherwise specified; CNS, central nervous system.