

**Table 12: Distribution and Incidence Rates<sup>a</sup> of Primary (Malignant and Non-Malignant) Brain and Central Nervous System Tumors by Major Histology Groupings and Histology, Age-Adjusted to the 2000 U.S. Standard Population; CBTRUS Statistical Report: NPCR and SEER, 2004-2007**

<b>Histology</b>	<b>TOTAL N</b>	<b>% of All Reported Brain Tumors</b>	<b>Adjusted Rate</b>	<b>95% C.I.</b>
<b><u>Tumors of Neuroepithelial Tissue</u></b>	<b>76,340</b>	<b>33.7</b>	<b>6.55</b>	<b>(6.51-6.60)</b>
Pilocytic astrocytoma	3,663	1.6	0.33	(0.32-0.34)
Protoplasmic & fibrillary astrocytoma	1,242	0.5	0.11	(0.10-0.11)
Anaplastic astrocytoma	4,747	2.1	0.41	(0.40-0.42)
Unique astrocytoma variants	1,097	0.5	0.10	(0.09-0.10)
Astrocytoma, NOS	5,194	2.3	0.45	(0.44-0.46)
Glioblastoma	37,890	16.7	3.19	(3.16-3.23)
Oligodendroglioma	3,184	1.4	0.28	(0.27-0.29)
Anaplastic oligodendroglioma	1,386	0.6	0.12	(0.11-0.13)
Ependymoma/anaplastic ependymoma	3,011	1.3	0.26	(0.25-0.27)
Ependymoma variants	1,135	0.5	0.10	(0.09-0.10)
Mixed glioma	2,251	1.0	0.20	(0.19-0.21)
Glioma malignant, NOS	4,963	2.2	0.43	(0.42-0.45)
Choroid plexus	511	0.2	0.05	(0.04-0.05)
Neuroepithelial	236	0.1	0.02	(0.02-0.02)
Non-malignant and malignant neuronal/glial	3,169	1.4	0.28	(0.27-0.29)
Pineal parenchymal	404	0.2	0.04	(0.03-0.04)
Embryonal/primitive/medulloblastoma	2,257	1.0	0.20	(0.19-0.21)
<b><u>Tumors of Cranial and Spinal Nerves</u></b>	<b>19,605</b>	<b>8.6</b>	<b>1.66</b>	<b>(1.64-1.68)</b>
Nerve sheath, non-malignant and malignant	19,600	8.6	1.66	(1.64-1.68)
<b><u>Tumors of Meninges</u></b>	<b>80,457</b>	<b>35.5</b>	<b>6.81</b>	<b>(6.76-6.85)</b>
Meningioma	77,908	34.4	6.59	(6.54-6.63)
Other mesenchymal, non-malignant and malignant	667	0.3	0.06	(0.05-0.06)
Hemangioblastoma	1,882	0.8	0.16	(0.15-0.17)
<b><u>Lymphomas and Hematopoietic Neoplasms</u></b>	<b>5,380</b>	<b>2.4</b>	<b>0.46</b>	<b>(0.45-0.47)</b>
Lymphoma	5,380	2.4	0.46	(0.45-0.47)
<b><u>Germ Cell Tumors and Cysts</u></b>	<b>1,092</b>	<b>0.5</b>	<b>0.10</b>	<b>(0.09-0.10)</b>
Germ cell tumors, cysts and heterotopias	1,092	0.5	0.10	(0.09-0.10)
<b><u>Tumors of Sellar Region</u></b>	<b>31,405</b>	<b>13.8</b>	<b>2.70</b>	<b>(2.67-2.73)</b>
Pituitary	29,806	13.1	2.56	(2.53-2.59)
Craniopharyngioma	1,599	0.7	0.14	(0.13-0.15)
<b><u>Local Extensions from Regional Tumors</u></b>	<b>194</b>	<b>0.1</b>	<b>0.02</b>	<b>(0.01-0.02)</b>
Chordoma/chondrosarcoma	194	0.1	0.02	(0.01-0.02)
<b><u>Unclassified Tumors</u></b>	<b>12,318</b>	<b>5.4</b>	<b>1.05</b>	<b>(1.03-1.06)</b>
Hemangioma	1,814	0.8	0.16	(0.15-0.16)
Neoplasm, unspecified	10,373	4.6	0.88	(0.86-0.90)
All other	131	0.1	0.01	(0.01-0.01)
<b>TOTAL<sup>b</sup></b>	<b>226,791</b>	<b>100.0</b>	<b>19.34</b>	<b>(19.26-19.42)</b>

<sup>a</sup>Rates are per 100,000 person years.

<sup>b</sup>Refers to all brain tumors including histologies not presented in this table.

Abbreviations: CBTRUS, Central Brain Tumor Registry of the United States; NPCR, CDC's National Program of Cancer Registries; SEER, NCI's Surveillance, Epidemiology and End Results program; CI, confidence interval; NOS, not otherwise specified.