

**Table 12a:**  
**Distribution and Incidence Rates<sup>a,b</sup> of Primary Brain and CNS Tumors Separately by Behavior and by Major Histology Groupings and Histology, Age-Adjusted to the 2000 U.S. Standard Population CBTRUS 2002-2006<sup>c</sup>**

Histology	Malignant		Non-malignant	
	N	Adjusted Rate (95% C.I.)	N	Adjusted Rate (95% C.I.)
<b><u>Tumors of Neuroepithelial Tissue</u></b>	28,520	<b>6.09 (6.02-6.16)</b>	1,895	<b>0.40 (0.38-0.42)</b>
Pilocytic astrocytoma	1,608	0.34 (0.33-0.36)	-	-
Protoplasmic & fibrillary astrocytoma	483	0.10 (0.09-0.11)	-	-
Anaplastic astrocytoma	1,926	0.41 (0.39-0.43)	-	-
Unique astrocytoma variants	127	0.03 (0.02-0.03)	323	0.07 (0.06-0.08)
Astrocytoma, NOS	2,048	0.44 (0.42-0.46)	-	-
Glioblastoma	14,555	3.11 (3.06-3.16)	-	-
Oligodendroglioma	1,443	0.31 (0.29-0.32)	-	-
Anaplastic oligodendroglioma	680	0.14 (0.13-0.16)	-	-
Ependymoma/anaplastic ependymoma	1,313	0.28 (0.26-0.29)	-	-
Ependymoma variants	-	-	426	0.09 (0.08-0.10)
Mixed glioma	914	0.19 (0.18-0.21)	-	-
Glioma malignant, NOS	1,942	0.42 (0.40-0.44)	-	-
Choroid plexus	42	0.01 (0.01-0.01)	162	0.03 (0.03-0.04)
Neuroepithelial	74	0.02 (0.01-0.02)	-	-
Non-malignant and malignant neuronal/glial	345	0.07 (0.07-0.08)	927	0.20 (0.18-0.21)
Pineal parenchymal	95	0.02 (0.02-0.03)	42	0.01 (0.01-0.01)
Embryonal/primitive/medulloblastoma	917	0.20 (0.18-0.21)	-	-
<b><u>Tumors of Cranial and Spinal Nerves</u></b>	132	<b>0.03 (0.02-0.03)</b>	7,733	<b>1.63 (1.59-1.67)</b>
Nerve sheath, non-malignant and malignant	132	0.03 (0.02-0.03)	7,730	1.63 (1.59-1.67)
<b><u>Tumors of Meninges</u></b>	971	<b>0.21 (0.20-0.22)</b>	28,897	<b>6.19 (6.12-6.26)</b>
Meningioma	859	0.19 (0.17-0.20)	27,958	5.99 (5.92-6.06)
Other mesenchymal, non-malignant and malignant	112	0.02 (0.02-0.03)	226	0.05 (0.04-0.05)
Hemangioblastoma	-	-	713	0.15 (0.14-0.16)
<b><u>Lymphomas and Hematopoietic Neoplasms</u></b>	2,184	<b>0.47 (0.45-0.49)</b>	-	-
Lymphoma	2,184	0.47 (0.45-0.49)	-	-
<b><u>Germ Cell Tumors and Cysts</u></b>	290	<b>0.06 (0.05-0.07)</b>	78	<b>0.02 (0.01-0.02)</b>
Germ cell tumors, cysts and heterotopias	290	0.06 (0.05-0.07)	78	0.02 (0.01-0.02)
<b><u>Tumors of Sellar Region</u></b>	82	<b>0.02 (0.01-0.02)</b>	9,683	<b>2.06 (2.02-2.10)</b>
Pituitary	82	0.02 (0.01-0.02)	9,086	1.93 (1.89-1.97)
Craniopharyngioma	-	-	597	0.13 (0.12-0.14)
<b><u>Local Extensions from Regional Tumors</u></b>	81	<b>0.02 (0.01-0.02)</b>	-	-
Chordoma/chondrosarcoma	81	0.02 (0.01-0.02)	-	-
<b><u>Unclassified Tumors</u></b>	2,003	<b>0.43 (0.41-0.45)</b>	3,115	<b>0.67 (0.64-0.69)</b>
Hemangioma	-	-	637	0.14 (0.13-0.15)
Neoplasm, unspecified	1,971	0.43 (0.41-0.45)	2,436	0.52 (0.50-0.54)
All other	24	0.01 (0.00-0.01)	42	0.01 (0.01-0.01)
<b>TOTAL<sup>d</sup></b>	<b>34,263</b>	<b>7.32 (7.25-7.40)</b>	<b>51,407</b>	<b>10.96 (10.86-11.05)</b>

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

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

<sup>c</sup>Data 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.

<sup>d</sup>Refers 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.