

**Table 14: Primary (Malignant and Non-Malignant) Brain and Central Nervous System Tumor Incidence Rates<sup>a</sup> by Major Histology Groupings, Histology and Race, Age-Adjusted to the 2000 U.S. Standard Population; CBTRUS Statistical Report: NPCR and SEER, 2004-2006**

Histology	Whites		Blacks	
	Adjusted Rate	95% C.I.	Adjusted Rate	95% C.I.
<b><u>Tumors of Neuroepithelial Tissue</u></b>	<b>6.95</b>	<b>(6.89-7.01)</b>	<b>3.61</b>	<b>(3.49-3.74)</b>
Pilocytic astrocytoma	0.35	(0.34-0.36)	0.21	(0.19-0.24)
Protoplasmic & fibrillary astrocytoma	0.11	(0.11-0.12)	0.04	(0.03-0.06)
Anaplastic astrocytoma	0.44	(0.42-0.46)	0.19	(0.16-0.22)
Unique astrocytoma variants	0.09	(0.09-0.10)	0.07	(0.06-0.09)
Astrocytoma, NOS	0.47	(0.46-0.49)	0.29	(0.26-0.33)
Glioblastoma	3.43	(3.39-3.47)	1.60	(1.51-1.69)
Oligodendroglioma	0.30	(0.29-0.32)	0.11	(0.09-0.13)
Anaplastic oligodendroglioma	0.13	(0.13-0.14)	0.05	(0.03-0.06)
Ependymoma/anaplastic ependymoma	0.27	(0.26-0.29)	0.16	(0.14-0.18)
Ependymoma variants	0.11	(0.10-0.12)	0.04	(0.03-0.05)
Mixed glioma	0.21	(0.20-0.22)	0.09	(0.07-0.11)
Glioma malignant, NOS	0.44	(0.43-0.46)	0.31	(0.28-0.35)
Choroid plexus	0.04	(0.04-0.05)	0.03	(0.02-0.04)
Neuroepithelial	0.02	(0.02-0.03)	-	-
Non-malignant and malignant neuronal/glia	0.28	(0.27-0.30)	0.22	(0.19-0.25)
Pineal parenchymal	0.03	(0.03-0.04)	0.05	(0.04-0.07)
Embryonal/primitive/medulloblastoma	0.21	(0.19-0.22)	0.14	(0.12-0.16)
<b><u>Tumors of Cranial and Spinal Nerves</u></b>	<b>1.70</b>	<b>(1.67-1.73)</b>	<b>0.65</b>	<b>(0.59-0.70)</b>
Nerve sheath, non-malignant and malignant	1.70	(1.67-1.73)	0.65	(0.59-0.70)
<b><u>Tumors of Meninges</u></b>	<b>6.38</b>	<b>(6.32-6.43)</b>	<b>7.21</b>	<b>(7.03-7.40)</b>
Meningioma	6.13	(6.08-6.19)	7.03	(6.85-7.21)
Other mesenchymal, non-malignant and malignant	0.08	(0.07-0.08)	0.06	(0.05-0.08)
Hemangioblastoma	0.17	(0.16-0.18)	0.12	(0.10-0.14)
<b><u>Lymphomas and Hematopoietic Neoplasms</u></b>	<b>0.45</b>	<b>(0.44-0.47)</b>	<b>0.42</b>	<b>(0.38-0.47)</b>
Lymphoma	0.45	(0.44-0.47)	0.42	(0.38-0.47)
<b><u>Germ Cell Tumors and Cysts</u></b>	<b>0.08</b>	<b>(0.08-0.09)</b>	<b>0.06</b>	<b>(0.04-0.07)</b>
Germ cell tumors, cysts and heterotopias	0.08	(0.08-0.09)	0.06	(0.04-0.07)
<b><u>Tumors of Sellar Region</u></b>	<b>2.30</b>	<b>(2.26-2.33)</b>	<b>4.08</b>	<b>(3.95-4.21)</b>
Pituitary	2.17	(2.13-2.20)	3.88	(3.75-4.01)
Craniopharyngioma	0.13	(0.12-0.14)	0.20	(0.17-0.23)
<b><u>Local Extensions from Regional Tumors</u></b>	<b>0.02</b>	<b>(0.02-0.02)</b>	-	-
Chordoma/chondrosarcoma	0.02	(0.02-0.02)	-	-
<b><u>Unclassified Tumors</u></b>	<b>1.01</b>	<b>(0.99-1.04)</b>	<b>1.10</b>	<b>(1.03-1.18)</b>
Hemangioma	0.14	(0.14-0.15)	0.10	(0.08-0.12)
Neoplasm, unspecified	0.86	(0.84-0.88)	1.00	(0.93-1.07)
All other	0.01	(0.01-0.01)	-	-
<b>TOTAL<sup>b</sup></b>	<b>18.89</b>	<b>(18.79-18.99)</b>	<b>17.14</b>	<b>(16.87-17.42)</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.

-Counts are not presented when fewer than 16 cases were reported for the specific histology category. The suppressed cases are included in the counts for totals.

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.