

**Table 18: Childhood (Ages 0-19) Primary (Malignant and Non-Malignant) Brain and Central Nervous System Tumor Incidence Rates<sup>a</sup> by Major Histology Groupings and Race, Age-Adjusted to the 2000 U.S. Standard Population; CBTRUS Statistical Report: NPCR and SEER, 2004-2006**

Histology Grouping	Whites		Blacks	
	Adjusted Rate	95% C.I.	Adjusted Rate	95% C.I.
<b><u>Tumors of Neuroepithelial Tissue</u></b>	<b>3.47</b>	<b>(3.39-3.56)</b>	<b>2.56</b>	<b>(2.40-2.72)</b>
Pilocytic astrocytoma	0.86	(0.82-0.91)	0.54	(0.46-0.62)
Protoplasmic & fibrillary astrocytoma	0.05	(0.04-0.06)	-	-
Anaplastic astrocytoma	0.08	(0.06-0.09)	0.06	(0.04-0.09)
Unique astrocytoma variants	0.09	(0.08-0.11)	0.11	(0.08-0.15)
Astrocytoma, NOS	0.22	(0.20-0.25)	0.17	(0.13-0.22)
Glioblastoma	0.13	(0.11-0.14)	0.13	(0.10-0.18)
Oligodendroglioma	0.06	(0.05-0.08)	0.08	(0.05-0.11)
Anaplastic oligodendroglioma	-	-	-	-
Ependymoma/anaplastic ependymoma	0.26	(0.23-0.28)	0.20	(0.16-0.25)
Ependymoma variants	-	-	-	-
Mixed glioma	-	-	-	-
Glioma malignant, NOS	0.55	(0.52-0.59)	0.37	(0.31-0.43)
Choroid plexus	0.09	(0.08-0.11)	0.06	(0.03-0.08)
Neuroepithelial	-	-	-	-
Non-malignant and malignant neuronal/glia	0.42	(0.39-0.45)	0.32	(0.26-0.38)
Pineal parenchymal	0.03	(0.02-0.04)	0.09	(0.06-0.12)
Embryonal/primitive/medulloblastoma	0.53	(0.49-0.56)	0.35	(0.30-0.42)
<b><u>Tumors of Cranial and Spinal Nerves</u></b>	<b>0.26</b>	<b>(0.23-0.28)</b>	<b>0.16</b>	<b>(0.12-0.21)</b>
Nerve sheath, non-malignant and malignant	0.26	(0.23-0.28)	0.16	(0.12-0.21)
<b><u>Tumors of Meninges</u></b>	<b>0.21</b>	<b>(0.19-0.23)</b>	<b>0.15</b>	<b>(0.11-0.19)</b>
Meningioma	0.12	(0.11-0.14)	0.11	(0.08-0.15)
Other mesenchymal, non-malignant and malignant	-	-	-	-
Hemangioblastoma	-	-	-	-
<b><u>Lymphomas and Hemopoietic Neoplasms</u></b>	-	-	-	-
<b><u>Germ Cell Tumors and Cysts</u></b>	<b>0.19</b>	<b>(0.17-0.22)</b>	<b>0.10</b>	<b>(0.07-0.14)</b>
<b><u>Tumors of Sellar Region</u></b>	<b>0.52</b>	<b>(0.49-0.56)</b>	<b>0.43</b>	<b>(0.37-0.50)</b>
Pituitary	0.37	(0.34-0.40)	0.30	(0.24-0.36)
Craniopharyngioma	0.15	(0.13-0.17)	0.13	(0.10-0.18)
<b><u>Local Extensions from Regional Tumors</u></b>	-	-	-	-
<b><u>Unclassified Tumors</u></b>	<b>0.22</b>	<b>(0.20-0.24)</b>	<b>0.15</b>	<b>(0.11-0.19)</b>
Hemangioma	0.05	(0.04-0.06)	-	-
Neoplasm, unspecified	0.16	(0.15-0.18)	0.13	(0.10-0.17)
All other	-	-	-	-
<b>TOTAL<sup>b</sup></b>	<b>4.89</b>	<b>(4.79-5.00)</b>	<b>3.57</b>	<b>(3.38-3.76)</b>
<b>Male</b>	<b>5.01</b>	<b>(4.86-5.15)</b>	<b>3.40</b>	<b>(3.15-3.68)</b>
<b>Female</b>	<b>4.77</b>	<b>(4.63-4.92)</b>	<b>3.73</b>	<b>(3.46-4.02)</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. Suppressed cases are included in the total count.

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.