

**Table 19:**  
**Selected Childhood Primary (Malignant and Non-Malignant) Brain and CNS Tumor**  
**Age-Specific and Age-Adjusted Incidence Rates<sup>a,b</sup> by Major Histology Groupings, Histology and Age at Diagnosis**  
**CBTRUS 2002-2006<sup>c</sup>**

Histology	Age at Diagnosis								Age at Diagnosis			
	0-4		5-9		10-14		15-19		0-19		0-14	
	Rate	95% C.I.	Rate	95% C.I.	Rate	95% C.I.	Rate	95% C.I.	Adjusted Rate	95% C.I.	Adjusted Rate	95% C.I.
<b><u>Tumors of Neuroepithelial Tissue</u></b>	<b>4.35</b>	<b>(4.13 -4.58 )</b>	<b>3.55</b>	<b>(3.34 -3.76 )</b>	<b>2.98</b>	<b>(2.80 -3.17 )</b>	<b>2.70</b>	<b>(2.53 -2.88 )</b>	<b>3.38</b>	<b>(3.29 -3.48 )</b>	<b>3.61</b>	<b>(3.50 -3.73 )</b>
Pilocytic astrocytoma	0.92	(0.82 -1.03 )	0.97	(0.87 -1.09 )	0.88	(0.78 -0.99 )	0.65	(0.57 -0.75 )	0.86	(0.81 -0.91 )	0.92	(0.86 -0.99 )
Anaplastic astrocytoma	-	-	0.07	(0.05 -0.11 )	0.07	(0.04 -0.10 )	0.08	(0.06 -0.12 )	0.06	(0.05 -0.08 )	0.06	(0.04 -0.08 )
Astrocytoma, NOS	0.27	(0.22 -0.33 )	0.21	(0.16 -0.26 )	0.22	(0.17 -0.27 )	0.22	(0.17 -0.27 )	0.23	(0.20 -0.25 )	0.23	(0.20 -0.26 )
Glioblastoma	0.11	(0.08 -0.15 )	0.15	(0.11 -0.20 )	0.15	(0.11 -0.20 )	0.18	(0.13 -0.23 )	0.15	(0.13 -0.17 )	0.14	(0.12 -0.16 )
Ependymoma/anaplastic ependymoma	0.48	(0.41 -0.56 )	0.24	(0.19 -0.30 )	0.18	(0.13 -0.23 )	0.18	(0.14 -0.24 )	0.27	(0.24 -0.30 )	0.29	(0.26 -0.33 )
Glioma malignant, NOS	0.80	(0.70 -0.90 )	0.73	(0.64 -0.82 )	0.40	(0.34 -0.48 )	0.23	(0.18 -0.29 )	0.54	(0.50 -0.58 )	0.64	(0.59 -0.69 )
Non-malignant and malignant neuronal/glial	0.43	(0.36 -0.50 )	0.30	(0.24 -0.37 )	0.35	(0.29 -0.42 )	0.41	(0.35 -0.49 )	0.37	(0.34 -0.41 )	0.36	(0.32 -0.40 )
Embryonal/primitive/medulloblastoma	0.90	(0.80 -1.01 )	0.56	(0.48 -0.64 )	0.30	(0.25 -0.37 )	0.19	(0.15 -0.25 )	0.48	(0.45 -0.52 )	0.58	(0.54 -0.63 )
<b><u>Tumors of Cranial and Spinal Nerves</u></b>	<b>0.26</b>	<b>(0.20 -0.32 )</b>	<b>0.21</b>	<b>(0.16 -0.27 )</b>	<b>0.22</b>	<b>(0.17 -0.27 )</b>	<b>0.37</b>	<b>(0.31 -0.44 )</b>	<b>0.26</b>	<b>(0.24 -0.29 )</b>	<b>0.23</b>	<b>(0.20 -0.26 )</b>
<b><u>Tumors of Meninges</u></b>	<b>0.15</b>	<b>(0.11 -0.20 )</b>	<b>0.10</b>	<b>(0.07 -0.14 )</b>	<b>0.16</b>	<b>(0.12 -0.21 )</b>	<b>0.31</b>	<b>(0.26 -0.38 )</b>	<b>0.18</b>	<b>(0.16 -0.21 )</b>	<b>0.14</b>	<b>(0.11 -0.16 )</b>
<b><u>Lymphomas and Hematopoietic Neoplasms</u></b>	-	-	-	-	-	-	-	-	<b>0.02</b>	<b>(0.01 -0.02 )</b>	-	-
<b><u>Germ Cell Tumors and Cysts</u></b>	<b>0.14</b>	<b>(0.10 -0.18 )</b>	<b>0.12</b>	<b>(0.08 -0.16 )</b>	<b>0.25</b>	<b>(0.20 -0.31 )</b>	<b>0.20</b>	<b>(0.16 -0.26 )</b>	<b>0.18</b>	<b>(0.16 -0.20 )</b>	<b>0.17</b>	<b>(0.14 -0.20 )</b>
<b><u>Tumors of Sellar Region</u></b>	<b>0.15</b>	<b>(0.11 -0.20 )</b>	<b>0.28</b>	<b>(0.23 -0.35 )</b>	<b>0.39</b>	<b>(0.32 -0.46 )</b>	<b>1.01</b>	<b>(0.90 -1.12 )</b>	<b>0.46</b>	<b>(0.42 -0.50 )</b>	<b>0.28</b>	<b>(0.24 -0.31 )</b>
Pituitary	-	-	0.09	(0.06 -0.13 )	0.21	(0.17 -0.27 )	0.92	(0.82 -1.03 )	0.32	(0.29 -0.35 )	0.11	(0.09 -0.14 )
Craniopharyngioma	0.12	(0.09 -0.16 )	0.19	(0.15 -0.25 )	0.18	(0.13 -0.23 )	0.09	(0.06 -0.12 )	0.14	(0.12 -0.17 )	0.16	(0.14 -0.19 )
<b><u>Local Extensions from Regional Tumors</u></b>	-	-	-	-	-	-	-	-	-	-	-	-
<b><u>Unclassified Tumors</u></b>	<b>0.25</b>	<b>(0.20 -0.31 )</b>	<b>0.18</b>	<b>(0.14 -0.23 )</b>	<b>0.26</b>	<b>(0.21 -0.32 )</b>	<b>0.32</b>	<b>(0.27 -0.39 )</b>	<b>0.25</b>	<b>(0.23 -0.28 )</b>	<b>0.23</b>	<b>(0.20 -0.26 )</b>
<b>TOTAL<sup>d</sup></b>	<b>5.31</b>	<b>(5.06 -5.56 )</b>	<b>4.45</b>	<b>(4.23 -4.69 )</b>	<b>4.28</b>	<b>(4.06 -4.51 )</b>	<b>4.95</b>	<b>(4.71 -5.19 )</b>	<b>4.74</b>	<b>(4.62 -4.86 )</b>	<b>4.67</b>	<b>(4.54 -4.81 )</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.

-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; SEER, Surveillance, Epidemiology and End Results Program; CI, confidence interval; NOS, not otherwise specified; CNS, central nervous system.