

Table 17: Selected Childhood (Ages 0-19) Primary (Malignant and Non-Malignant) Brain and Central Nervous System Tumor Incidence Rates^a by Major Histology Groupings, Histology and Gender, Age-Adjusted to the 2000 U.S. Standard Population; CBTRUS Statistical Report: NPCR and SEER, 2004-2006

Histology	Male		Female		TOTAL	
	Adjusted Rate	95% C.I.	Adjusted Rate	95% C.I.	Adjusted Rate	95% C.I.
<u>Tumors of Neuroepithelial Tissue</u>	3.48	(3.37-3.58)	3.16	(3.05-3.26)	3.32	(3.25-3.40)
Pilocytic astrocytoma	0.83	(0.78-0.88)	0.78	(0.73-0.84)	0.80	(0.77-0.84)
Protoplasmic & fibrillary astrocytoma	0.05	(0.04-0.06)	0.04	(0.03-0.05)	0.04	(0.04-0.05)
Anaplastic astrocytoma	0.07	(0.06-0.09)	0.08	(0.06-0.09)	0.07	(0.06-0.08)
Unique astrocytoma variants	0.10	(0.08-0.12)	0.09	(0.08-0.11)	0.10	(0.08-0.11)
Astrocytoma, NOS	0.23	(0.20-0.26)	0.21	(0.18-0.23)	0.22	(0.20-0.24)
Glioblastoma	0.15	(0.13-0.18)	0.11	(0.09-0.13)	0.13	(0.12-0.15)
Oligodendroglioma	0.07	(0.05-0.09)	0.06	(0.05-0.08)	0.06	(0.05-0.08)
Anaplastic oligodendroglioma	0.01	(0.01-0.02)	0.02	(0.01-0.03)	0.02	(0.01-0.02)
Ependymoma/anaplastic ependymoma	0.25	(0.22-0.28)	0.25	(0.22-0.28)	0.25	(0.23-0.27)
Ependymoma variants	0.05	(0.03-0.06)	0.02	(0.02-0.03)	0.03	(0.03-0.04)
Mixed glioma	0.03	(0.02-0.04)	0.04	(0.03-0.05)	0.03	(0.03-0.04)
Glioma malignant, NOS	0.51	(0.47-0.56)	0.54	(0.50-0.59)	0.53	(0.50-0.56)
Choroid plexus	0.10	(0.08-0.12)	0.08	(0.06-0.09)	0.09	(0.08-0.10)
Neuroepithelial	-	-	-	-	0.01	(0.01-0.02)
Non-malignant and malignant neuronal/glial	0.43	(0.39-0.47)	0.36	(0.32-0.40)	0.40	(0.37-0.42)
Pineal parenchymal	0.04	(0.03-0.05)	0.04	(0.03-0.06)	0.04	(0.03-0.05)
Embryonal/primitive/medulloblastoma	0.55	(0.51-0.59)	0.44	(0.40-0.48)	0.49	(0.47-0.52)
<u>Tumors of Cranial and Spinal Nerves</u>	0.24	(0.21-0.27)	0.25	(0.22-0.28)	0.25	(0.23-0.27)
Nerve sheath, non-malignant and malignant	0.24	(0.21-0.27)	0.25	(0.22-0.28)	0.25	(0.23-0.27)
<u>Tumors of Meninges</u>	0.20	(0.17-0.22)	0.20	(0.18-0.23)	0.20	(0.18-0.22)
Meningioma	0.12	(0.10-0.14)	0.13	(0.11-0.15)	0.12	(0.11-0.14)
Other mesenchymal, non-malignant and malignant	0.04	(0.03-0.06)	0.05	(0.04-0.07)	0.05	(0.04-0.06)
Hemangioblastoma	0.03	(0.02-0.04)	0.03	(0.02-0.04)	0.03	(0.02-0.04)
<u>Lymphomas and Hemopoietic Neoplasms</u>	0.02	(0.01-0.03)	0.02	(0.01-0.03)	0.02	(0.02-0.03)
<u>Germ Cell Tumors and Cysts</u>	0.25	(0.22-0.28)	0.11	(0.09-0.13)	0.18	(0.17-0.20)
<u>Tumors of Sellar Region</u>	0.35	(0.32-0.39)	0.71	(0.66-0.76)	0.53	(0.50-0.56)
Pituitary	0.20	(0.18-0.23)	0.55	(0.51-0.60)	0.37	(0.35-0.40)
Craniopharyngioma	0.15	(0.12-0.17)	0.16	(0.13-0.18)	0.15	(0.14-0.17)
<u>Local Extensions from Regional Tumors</u>	-	-	-	-	-	-
<u>Unclassified Tumors</u>	0.21	(0.19-0.24)	0.20	(0.18-0.23)	0.21	(0.19-0.23)
Hemangioma	0.05	(0.04-0.07)	0.04	(0.03-0.05)	0.05	(0.04-0.06)
Neoplasm, unspecified	0.16	(0.14-0.18)	0.16	(0.13-0.18)	0.16	(0.14-0.17)
All other	-	-	-	-	-	-
TOTAL^b	4.75	(4.62-4.87)	4.66	(4.53-4.79)	4.71	(4.62-4.79)

^aRates are per 100,000 person years

^bRefers 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.