

TABLE 9A: PRIMARY (MALIGNANT AND NON-MALIGNANT) BRAIN AND CENTRAL NERVOUS SYSTEM TUMOR (CONSENSUS CONFERENCE DEFINITION; OLFACTORY TUMORS OF THE NASAL CAVITY EXCLUDED) INCIDENCE RATES^a BY MAJOR HISTOLOGY GROUPINGS, HISTOLOGY, GENDER AND BEHAVIOR, AGE-ADJUSTED TO THE 2000 U.S. STANDARD POPULATION, CBTRUS 1998-2002^b

HISTOLOGY	MALIGNANT			
	MALES		FEMALES	
	N	ADJUSTED RATE	N	ADJUSTED RATE
<u>TUMORS OF NEUROEPITHELIAL TISSUE</u>	14,651	7.27	11,579	5.05
Pilocytic astrocytoma	764	0.34	701	0.32
Diffuse astrocytoma (protoplasmic, fibrillary)	241	0.11	187	0.08
Anaplastic astrocytoma	1,151	0.56	878	0.38
Unique astrocytoma variants	52	0.02	53	0.02
Astrocytoma, NOS	1,116	0.54	878	0.38
Glioblastoma	7,391	3.86	5,552	2.39
Oligodendroglioma	817	0.38	742	0.33
Anaplastic oligodendroglioma	413	0.20	368	0.16
Ependymoma/anaplastic ependymoma	623	0.29	503	0.22
Ependymoma variants	-	-	-	-
Mixed glioma	407	0.19	315	0.14
Glioma malignant, NOS	850	0.42	818	0.35
Choroid plexus	16	0.01	14	0.01
Neuroepithelial	39	0.02	25	0.01
Benign and malignant neuronal/glial, neuronal and mixed	65	0.03	65	0.03
Pineal parenchymal	38	0.02	55	0.02
Embryonal/primitive/medulloblastoma	668	0.29	425	0.19
<u>TUMORS OF CRANIAL AND SPINAL NERVES</u>	54	0.03	78	0.03
Nerve sheath, benign and malignant	54	0.03	78	0.03
<u>TUMORS OF MENINGES</u>	386	0.20	673	0.29
Meningioma	334	0.18	617	0.26
Other mesenchymal, benign and malignant	52	0.02	56	0.02
Hemangioblastoma	-	-	-	-
<u>LYMPHOMAS AND HEMOPOIETIC NEOPLASMS</u>	1,062	0.54	913	0.39
Lymphoma	1,062	0.54	913	0.39
<u>GERM CELL TUMORS AND CYSTS</u>	231	0.10	83	0.04
Germ cell tumors, cysts and heterotopias	231	0.10	83	0.04
<u>TUMORS OF SELLAR REGION</u>	21	0.01	28	0.01
Pituitary	21	0.01	28	0.01
Craniopharyngioma	-	-	-	-
<u>LOCAL EXTENSIONS FROM REGIONAL TUMORS</u>	65	0.03	45	0.02
Chordoma/chondrosarcoma	65	0.03	45	0.02
<u>UNCLASSIFIED TUMORS</u>	848	0.48	961	0.39
Hemangioma	-	-	-	-
Neoplasm, unspecified	832	0.47	951	0.38
All other	12	0.01	6	-
TOTAL^c	17,318	8.66	14,360	6.22

TABLES

TABLE 9A: (CONTINUED)

HISTOLOGY	NON-MALIGNANT			
	MALES		FEMALES	
	N	ADJUSTED RATE	N	ADJUSTED RATE
<u>TUMORS OF NEUROEPITHELIAL TISSUE</u>	782	0.35	617	0.27
Pilocytic astrocytoma	-	-	-	-
Diffuse astrocytoma (protoplasmic, fibrillary)	-	-	-	-
Anaplastic astrocytoma	-	-	-	-
Unique astrocytoma variants	143	0.07	84	0.04
Astrocytoma, NOS	-	-	-	-
Glioblastoma	-	-	-	-
Oligodendroglioma	-	-	-	-
Anaplastic oligodendroglioma	-	-	-	-
Ependymoma/anaplastic ependymoma	-	-	-	-
Ependymoma variants	194	0.08	118	0.05
Mixed glioma	-	-	-	-
Glioma malignant, NOS	-	-	-	-
Choroid plexus	75	0.03	89	0.04
Neuroepithelial	-	-	-	-
Benign and malignant neuronal/glial, neuronal and mixed	355	0.16	312	0.14
Pineal parenchymal	12	0.01	14	0.01
Embryonal/primitive/medulloblastoma	-	-	-	-
<u>TUMORS OF CRANIAL AND SPINAL NERVES</u>	2,389	1.16	2,573	1.13
Nerve sheath, benign and malignant	2,388	1.16	2,572	1.13
<u>TUMORS OF MENINGES</u>	5,146	2.75	13,772	5.89
Meningioma	4,778	2.57	13,458	5.75
Other mesenchymal, benign and malignant	72	0.03	70	0.03
Hemangioblastoma	296	0.14	244	0.11
<u>LYMPHOMAS AND HEMOPOIETIC NEOPLASMS</u>	-	-	-	-
Lymphoma	-	-	-	-
<u>GERM CELL TUMORS AND CYSTS</u>	45	0.02	38	0.02
Germ cell tumors, cysts and heterotopias	45	0.02	38	0.02
<u>TUMORS OF SELLAR REGION</u>	2,121	1.04	2,325	1.02
Pituitary	1,883	0.93	2,096	0.92
Craniopharyngioma	238	0.11	229	0.10
<u>LOCAL EXTENSIONS FROM REGIONAL TUMORS</u>	-	-	-	-
Chordoma/chondrosarcoma	-	-	-	-
<u>UNCLASSIFIED TUMORS</u>	894	0.47	1,161	0.48
Hemangioma	161	0.08	195	0.09
Neoplasm, unspecified	731	0.39	961	0.39
All other	-	-	-	-
TOTAL^c	11,380	5.79	20,489	8.82

^aRates are per 100,000 person-years.

^bIncludes data from 16 of the 18 registries listed in Table 5; North Dakota and West Virginia are excluded.

^cRefers to all brain tumors including histologies not presented in this table.

- Counts are not presented when fewer than 6 cases were reported for the specific histology category and rates are not presented when fewer than 10 cases were reported for the specific histology category. The suppressed cases are included in the counts and rates for Totals.

Abbreviations: CBTRUS, Central Brain Tumor Registry of the United States; NOS, not otherwise specified.