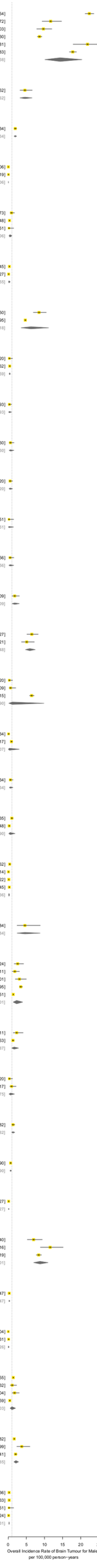Study	Country	Tumour Main and Subcategory	Incidence Rate	95% CI
All brain tumors; All				
D'Alessandro, 1995	Italy	All brain tumors; All	22.37	[21.17; 23.64]
Dobec-Meic, 2006	Croatia	All brain tumors; All	11.70	[9.30; 14.72]
Kuratsu, 2001	Japan	All brain tumors; All	9.70	[7.82; 12.03]
Ligant, 2000	Estonia	All brain tumors; All	8.62	[7.99; 9.30]
Poberskin, 2000	England	All brain tumors; All	21.88	[17.86; 26.81]
Wohrer, 2009	Austria	All brain tumors; All	17.80	[16.83; 18.83]
Pooled Totals			14.33	[10.07; 20.38]
Heterogeneity: I²=squared=98.9%, Q=447.8, df=5, p=0.0001				
All brain tumors; Nonepithelial				
Dobec-Meic, 2006	Croatia	All brain tumors; Nonepithelial	4.60	[3.20; 6.62]
Pooled Totals			4.60	[3.20; 6.62]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
All brain tumors; NOS				
Wohrer, 2009	Austria	All brain tumors; NOS	1.93	[1.59; 2.34]
Pooled Totals			1.93	[1.59; 2.34]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Choroid plexus tumors; All				
Lee, 2010	Korea	Choroid plexus tumors; All	0.03	[0.02; 0.06]
Wohrer, 2009	Austria	Choroid plexus tumors; All	0.05	[0.01; 0.19]
Pooled Totals			0.03	[0.02; 0.06]
Heterogeneity: I²=squared=0%, Q=0.4, df=1, p=0.5104				
CNS lymphoma; All				
Elia-Pasquet, 2004	France	CNS lymphoma; All	0.90	[0.47; 1.73]
Kuratsu, 2001	Japan	CNS lymphoma; All	0.34	[0.24; 0.48]
Dobec-Meic, 2006	Croatia	CNS lymphoma; All	0.20	[0.03; 1.51]
Pooled Totals			0.47	[0.21; 1.06]
Heterogeneity: I²=squared=72.2%, Q=7.2, df=2, p=0.0273				
Germ cell tumors; All				
Kuratsu, 2001	Japan	Germ cell tumors; All	0.31	[0.21; 0.45]
Wohrer, 2009	Austria	Germ cell tumors; All	0.11	[0.04; 0.27]
Pooled Totals			0.20	[0.07; 0.55]
Heterogeneity: I²=squared=76.3%, Q=4.2, df=1, p=0.0399				
Gliomas; All				
Elia-Pasquet, 2004	France	Gliomas; All	8.50	[6.88; 10.50]
Christensen, 2003	Denmark	Gliomas; All	4.71	[4.48; 4.95]
Pooled Totals			6.27	[3.51; 11.18]
Heterogeneity: I²=squared=98.8%, Q=28.5, df=1, p=0.0001				
Gliomas; Ependymoma				
Dobec-Meic, 2006	Croatia	Gliomas; Ependymoma	0.30	[0.08; 1.20]
Wohrer, 2009	Austria	Gliomas; Ependymoma	0.39	[0.25; 0.62]
Pooled Totals			0.38	[0.25; 0.59]
Heterogeneity: I²=squared=0%, Q=0.1, df=1, p=0.7247				
Gliomas; Grade I − Pilocytic asstrocytoma				
Elia-Pasquet, 2004	France	Gliomas; Grade I − Pilocytic asstrocytoma	0.30	[0.10; 0.93]
Pooled Totals			0.30	[0.10; 0.93]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Gliomas; Grade III − Astrocytoma				
Dobec-Meic, 2006	Croatia	Gliomas; Grade III − Astrocytoma	0.60	[0.23; 1.60]
Pooled Totals			0.60	[0.23; 1.60]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Gliomas; Grade III − Not specified				
Elia-Pasquet, 2004	France	Gliomas; Grade III − Not specified	0.50	[0.21; 1.20]
Pooled Totals			0.50	[0.21; 1.20]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Gliomas; Grade III − Oligoastrocytomas grade				
Dobec-Meic, 2006	Croatia	Gliomas; Grade III − Oligoastrocytomas grade	0.20	[0.03; 1.51]
Pooled Totals			0.20	[0.03; 1.51]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Gliomas; Grade III − Oligodendroglioma				
Dobec-Meic, 2006	Croatia	Gliomas; Grade III − Oligodendroglioma	0.50	[0.16; 1.56]
Pooled Totals			0.50	[0.16; 1.56]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=0.0001				
Gliomas; Grade III and IV − Not specified				
Kuratsu, 2001	Japan	Gliomas; Grade III and IV − Not specified	1.79	[1.04; 3.09]
Pooled Totals			1.79	[1.04; 3.09]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Gliomas; Grade IV − Glioblastoma				
Elia-Pasquet, 2004	France	Gliomas; Grade IV − Glioblastoma	6.50	[5.11; 8.27]
Dobec-Meic, 2006	Croatia	Gliomas; Grade IV − Glioblastoma	5.10	[3.61; 7.21]
Pooled Totals			5.95	[4.73; 7.48]
Heterogeneity: I²=squared=21.3%, Q=1.3, df=1, p=0.2586				
Gliomas; Grade NOS − Astrocytoma				
Dobec-Meic, 2006	Croatia	Gliomas; Grade NOS − Astrocytoma	0.30	[0.08; 1.20]
Kuratsu, 2001	Japan	Gliomas; Grade NOS − Astrocytoma	0.64	[0.20; 2.09]
Wohrer, 2009	Austria	Gliomas; Grade NOS − Astrocytoma	6.46	[5.83; 7.15]
Pooled Totals			1.16	[0.14; 9.90]
Heterogeneity: I²=squared=94%, Q=33.1, df=2, p=0.0001				
Gliomas; Grade NOS − Oligodendroglioma				
Dobec-Meic, 2006	Croatia	Gliomas; Grade NOS − Oligodendroglioma	0.08	[0.02; 0.34]
Wohrer, 2009	Austria	Gliomas; Grade NOS − Oligodendroglioma	0.88	[0.66; 1.17]
Pooled Totals			0.30	[0.03; 3.07]
Heterogeneity: I²=squared=90.2%, Q=10.2, df=1, p=0.0014				
Hemangioblastomas; All				
Elia-Pasquet, 2004	France	Hemangioblastomas; All	0.60	[0.27; 1.34]
Pooled Totals			0.60	[0.27; 1.34]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Medullo/PNETs; All				
Farinotti, 1999	Italy	Medullo/PNETs; All	0.98	[0.71; 1.35]
Wohrer, 2009	Austria	Medullo/PNETs; All	0.26	[0.14; 0.48]
Pooled Totals			0.52	[0.14; 1.90]
Heterogeneity: I²=squared=92.8%, Q=13.8, df=1, p=0.0002				
Medullo/PNETs; Medulloblastoma				
Alston, 2003	England	Medullo/PNETs; Medulloblastoma	0.39	[0.25; 0.62]
Kuratsu, 2001	Japan	Medullo/PNETs; Medulloblastoma	0.06	[0.02; 0.14]
Lee, 2010	Korea	Medullo/PNETs; Medulloblastoma	0.16	[0.12; 0.22]
Ligant, 2000	Estonia	Medullo/PNETs; Medulloblastoma	0.29	[0.19; 0.45]
Pooled Totals			0.20	[0.11; 0.36]
Heterogeneity: I²=squared=84.8%, Q=19.8, df=3, p=0.0002				
Medullo/PNETs; PNETs				
Quoc, 2000	Vietnam	Medullo/PNETs; PNETs	4.60	[2.39; 8.84]
Pooled Totals			4.60	[2.39; 8.84]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Meningioma; All				
Dobec-Meic, 2006	Croatia	Meningioma; All	2.60	[1.59; 4.24]
Kuratsu, 2001	Japan	Meningioma; All	1.82	[1.07; 3.11]
Poberskin, 2000	England	Meningioma; All	3.09	[1.91; 5.01]
Wohrer, 2009	Austria	Meningioma; All	3.45	[3.02; 3.95]
Christensen, 2003	Denmark	Meningioma; All	1.38	[1.27; 1.51]
Pooled Totals			2.33	[1.35; 4.01]
Heterogeneity: I²=squared=97%, Q=131.8, df=4, p=0.0001				
Nerve sheath tumors; Cranial Nerve				
Poberskin, 2000	England	Nerve sheath tumors; Cranial Nerve	2.33	[1.32; 4.11]
Wohrer, 2009	Austria	Nerve sheath tumors; Cranial Nerve	1.30	[1.04; 1.63]
Pooled Totals			1.64	[0.94; 2.87]
Heterogeneity: I²=squared=71.6%, Q=3.5, df=1, p=0.0606				
Nerve sheath tumors; Schwannoma				
Dobec-Meic, 2006	Croatia	Nerve sheath tumors; Schwannoma	0.30	[0.08; 1.20]
Kuratsu, 2001	Japan	Nerve sheath tumors; Schwannoma	0.92	[0.39; 2.17]
Pooled Totals			0.60	[0.21; 1.75]
Heterogeneity: I²=squared=44.9%, Q=1.8, df=1, p=0.179				
Nerve sheath tumors; Schwannoma − vestibular				
Frohlich, 1993	Canada	Nerve sheath tumors; Schwannoma − vestibular	1.31	[0.94; 1.82]
Pooled Totals			1.31	[0.94; 1.82]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Others; Haematopoetic system tumors				
Wohrer, 2009	Austria	Others; Haematopoetic system tumors	0.65	[0.47; 0.90]
Pooled Totals			0.65	[0.47; 0.90]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Others; Mesenchymal, non meningothelial tumors				
Wohrer, 2009	Austria	Others; Mesenchymal, non meningothelial tumors	0.11	[0.04; 0.27]
Pooled Totals			0.11	[0.04; 0.27]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Others; Neuroepithelial tumors				
Dobec-Meic, 2006	Croatia	Others; Neuroepithelial tumors	7.00	[5.21; 9.40]
Poberskin, 2000	England	Others; Neuroepithelial tumors	11.57	[8.83; 15.16]
Wohrer, 2009	Austria	Others; Neuroepithelial tumors	8.40	[7.68; 9.19]
Pooled Totals			8.77	[6.99; 11.01]
Heterogeneity: I²=squared=70.3%, Q=6.7, df=2, p=0.0347				
Others; Neuronal and mixed neuronal glial tomors				
Wohrer, 2009	Austria	Others; Neuronal and mixed neuronal glial tomors	0.27	[0.16; 0.47]
Pooled Totals			0.27	[0.16; 0.47]
Heterogeneity: I²=squared=NaN%, Q=0, df=0, p=1				
Pineal tumors; Parenchymal				
Lee, 2010	Korea	Pineal tumors; Parenchymal	0.01	[0.00; 0.04]
Wohrer, 2009	Austria	Pineal tumors; Parenchymal	0.09	[0.03; 0.31]
Pooled Totals			0.03	[0.00; 0.26]
Heterogeneity: I²=squared=61.8%, Q=5.4, df=1, p=0.0197				
Sellar tumors; Adenoma − pituitary				
Lee, 2010	Korea	Sellar tumors; Adenoma − pituitary	1.39	[1.25; 1.55]
Dobec-Meic, 2006	Croatia	Sellar tumors; Adenoma − pituitary	1.10	[0.52; 2.32]
Kuratsu, 2001	Japan	Sellar tumors; Adenoma − pituitary	1.75	[1.01; 3.04]
Ligant, 2000	Estonia	Sellar tumors; Adenoma − pituitary	0.42	[0.30; 0.59]
Pooled Totals			1.02	[0.51; 2.03]
Heterogeneity: I²=squared=93.1%, Q=43.4, df=3, p=0.0001				
Sellar tumors; All				
Lee, 2010	Korea	Sellar tumors; All	1.65	[1.50; 1.82]
Poberskin, 2000	England	Sellar tumors; All	3.73	[2.32; 5.99]
Wohrer, 2009	Austria	Sellar tumors; All	2.02	[1.69; 2.41]
Pooled Totals			2.11	[1.56; 2.85]
Heterogeneity: I²=squared=83.3%, Q=13.8, df=2, p=0.0011				
Sellar tumors; Craniopharyngioma				
Kuratsu, 2001	Japan	Sellar tumors; Craniopharyngioma	0.24	[0.16; 0.36]
Lee, 2010	Korea	Sellar tumors; Craniopharyngioma	0.26	[0.20; 0.33]
Dobec-Meic, 2006	Croatia	Sellar tumors; Craniopharyngioma	0.20	[0.03; 1.51]
Ligant, 2000	Estonia	Sellar tumors; Craniopharyngioma	0.10	[0.04; 0.24]
Pooled Totals			0.23	[0.17; 0.31]
Heterogeneity: I²=squared=31%, Q=4.3, df=3, p=0.2283