

Appendix A:

List of eligible brain tumour topologies and morphologies

Topography and Behavior

	Topography codes			Morphology codes					
	ICD-9	ICD-10	ICD-O3	ICD-O 3 rd edition					
				ICD-O / 0 / 1		ICD-O / 3			
Glioma	191.0 ¹	Cerebrum, except lobes and ventricles	C71.0 ¹	Cerebrum, except lobes and ventricles	C71.0	9383/1	Subependymoma	9380/3	Glioma, NOS
	191.1	Frontal lobe	C71.1	Frontal lobe	C71.1	9384/1	Subependymal giant cell astrocytoma	9381/3	Gliomatosis cerebri
	191.2	Temporal lobe	C71.2	Temporal lobe	C71.2	9394/1	Myxopapillary ependymoma	9382/3	Oligoastrocytoma
	191.3	Parietal lobe	C71.3	Parietal lobe	C71.3			9382/3	Oligoastrocytoma, anaplastic
	191.4	Occipital lobe	C71.4	Occipital lobe	C71.4	9421/1	Pilocytic astrocytoma	9382/3	Mixed glioma
	191.5	Ventricles	C71.5	Cerebral ventricle	C71.5	9442/1	Gliofibroma	9391/3	Ependymoma
	191.6	Cerebellum	C71.6	Cerebellum	C71.6			9392/3	Ependymoma, anaplastic
	191.8	Other parts of brain	C71.7 ^b	Brain stem	C71.7			9393/3	Ependymoma
			C71.8	Overlapping lesion of brain	C71.8			9400/3	Diffuse astrocytoma
	191.9	Brain, unspecified	C71.9	Brain, unspecified	C71.9			9401/3	Astrocytoma, anaplastic
	192.9 ²	Nervous system, part unspecified ³	C72.8 ²	Overlapping lesion	C72.8			9410/3	Diffuse astrocytoma
			C72.9	Central nervous system, unspecified	C72.9			9411/3	Diffuse astrocytoma
	237.5 ⁴	Brain and spinal cord	D43.0 ⁴	Brain, supratentorial				9420/3	Diffuse astrocytoma
			D43.1 ⁴	Brain, infratentorial				9424/3	Pleomorphic xanthoastrocytoma
			D43.2 ⁴	Brain, unspecified				9425/3	Pilomyxoid astrocytoma
			D43.7 ⁴	Other parts of central nervous system				9440/3	Glioblastoma
								9441/3	Giant cell glioblastoma
								9442/3	Gliosarcoma
								9450/3	Oligodendroglioma
								9451/3	Oligodendroglioma, anaplastic
								9460/3	Oligodendroblastoma

¹ ICD-9 191/ICD-10 C71: Malignant neoplasm of brain

² ICD-9 192: Malignant neoplasm of other and unspecified parts of nervous system; ICD-10 C72: Malignant neoplasm of spinal cord, cranial nerves, and other parts of central nervous system

³ ICD-9 192.9: Should not occur, but is sometimes coded if the tumour spreads over larger areas (coded as C71.8 in ICD-10)

⁴ ICD-9 237.5/ICD-10 D43.x: Should not occur with glioma (refers to brain tumours of uncertain behaviour)

⁵ This topography only for brain stem glioma (pontine glioma)

Topography and Behavior

	Topography codes					Morphology codes				
	ICD-9		ICD-10		ICD-O3	ICD-O 3 rd edition				
						ICD-O / 0 / 1		ICD-O / 3		
Choroid plexus tumours	191.5	Ventricles	C71.5	Ventricles	C71.5	9390/0	Choroid plexus papilloma	9390/3	Choroid plexus carcinoma	
	225.0	Brain (benign neoplasm)	D33.0 ⁶	Brain, supratentorial						
	237.5	Brain (neoplasm of uncertain behaviour)	D33.1	Brain, infratentorial		9390/1	Atypical choroid plexus papilloma			
Other neuroepithelial tumours	191.0	Cerebrum, except lobes and ventricles	C71.0	Cerebrum, except lobes and ventricles	C71.0	9431/1	Angiocentric glioma	9430/3	Astroblastoma	
	191.1	Frontal lobe	C71.1	Frontal lobe	C71.1	9444/1	Chordoid glioma of the third ventricle			
	191.2	Temporal lobe	C71.2	Temporal lobe	C71.2					
	191.3	Parietal lobe	C71.3	Parietal lobe	C71.3					
	191.4	Occipital lobe	C71.4	Occipital lobe	C71.4					
	191.5	Ventricles	C71.5	Cerebral ventricle	C71.5					
	191.6	Cerebellum	C71.6	Cerebellum	C71.6					
	191.8	Other parts of brain	C71.8	Overlapping lesion of brain	C71.8					
	191.9	Brain, unspecified	C71.9	Brain, unspecified	C71.9					
	192.9	Nervous system, part unspecified	C72.8	Overlapping lesion						
	237.5	Brain and spinal cord		C72.9	Central nervous system, unspecified					
				D43.0	Brain, supratentorial					
				D43.1	Brain, infratentorial					
			D43.2	Brain, unspecified						
		D43.7	Other parts of central nervous system							

⁶ ICD-10 D33: Benign neoplasm of brain and other parts of central nervous system

⁷ ICD-10 D43: Neoplasm of uncertain or unknown behaviour of brain and central nervous system

Topography and Behavior

	Topography codes					Morphology codes			
	ICD-9		ICD-10		ICD-O3	ICD-O 3 rd edition			
						ICD-O / 0 / 1		ICD-O / 3	
Neuronal and mixed neuronal-glia tumours	191.0	Cerebrum, except lobes and ventricles	C71.0	Cerebrum, except lobes and ventricles	C71.0	8680/0	Paraganglioma ⁹ , benign	8680/3	Paraganglioma ⁹ , malignant
	191.1	Frontal lobe	C71.1	Frontal lobe	C71.1	8680/1	Paraganglioma ⁹ , NOS	9505/3	Anaplastic ganglioglioma
	191.2	Temporal lobe	C71.2	Temporal lobe	C71.2	8690/1	Jugular paraganglioma		
	191.3	Parietal lobe	C71.3	Parietal lobe	C71.3	9412/1	Desmoplastic infantile astrocytoma/ ganglioglioma		
	191.4	Occipital lobe	C71.4	Occipital lobe	C71.4				
	191.5	Ventricles	C71.5	Cerebral ventricle	C71.5				
	191.6	Cerebellum	C71.6	Cerebellum	C71.6	9413/0	Dysembryoplastic neuroepithelial tumour		
	191.8	Other parts of brain	C71.8	Overlapping lesion of brain	C71.8		9492/0	Gangliocytoma	
	191.9	Brain, unspecified	C71.9	Brain, unspecified	C71.9	9493/0	Dysplastic gangliocytoma of cerebellum (Lhermitte-Duclos)		
	192.9	Nervous system, part unspecified	C72.8	Overlapping lesion	C72.8				
			C72.9	Central nervous system, unspecified	C72.9				
	225.0 ⁸	Brain							
	225.8	Other specified sites of nervous system	D33.0	Brain, supratentorial	C75.5	9505/1	Ganglioglioma		
			D33.1	Brain, infratentorial		9506/1	Central neurocytoma		
	225.9	Nervous system, part unspecified	D33.2	Brain, unspecified		9509/1	Papillary glioneuronal tumour		
	237.5	Brain and spinal cord	D43.0	Brain, supratentorial		9509/1	Rosette-forming glioneuronal tumour of the fourth ventricle		
		D43.1	Brain, infratentorial						
		D43.2	Brain, unspecified						
		D43.7	Other parts of central nervous system						

⁸ ICD-9 225: Benign neoplasm of brain and other parts of nervous system

⁹ Only from glomus tympanicum and glomus jugulare

Topography and Behavior

	Topography codes					Morphology codes	
	ICD-9		ICD-10		ICD-O3	ICD-O 3 rd edition	
						ICD-O / 0 / 1	ICD-O / 3
Embryonal tumours	191.0	Cerebrum, except lobes and ventricles	C71.0	Cerebrum, except lobes and ventricles	C71.0		9470/3 Medulloblastoma
	191.1	Frontal lobe	C71.1	Frontal lobe	C71.1		9471/3 Desmoplastic/nodular medulloblastoma
	191.2	Temporal lobe	C71.2	Temporal lobe	C71.2		9472/3 Medulloblastoma
	191.3	Parietal lobe	C71.3	Parietal lobe	C71.3		9473/3 CNS primitive neuroectodermal tumour
	191.4	Occipital lobe	C71.4	Occipital lobe	C71.4		9474/3 Anaplastic medulloblastoma
	191.5	Ventricles	C71.5	Cerebral ventricle	C71.5		
	191.6	Cerebellum	C71.6	Cerebellum	C71.6		
	191.8	Other parts of brain	C71.8	Overlapping lesion of brain	C71.8		9480/3 Cerebellar sarcoma, NOS
	191.9	Brain, unspecified	C71.9	Brain, unspecified	C71.9		9490/3 CNS primitive neuroectodermal tumour
	192.9	Nervous system, part unspecified	C72.8	Overlapping lesion	C72.8		9500/3 CNS primitive neuroectodermal tumour
		C72.9	Central nervous system, unspecified	C72.9		9501/3 CNS primitive neuroectodermal tumour	
Tumours of cranial and paraspinal nerves	192.0	Cranial nerves	C72.2	Olfactory nerve	C72.2	9540/0,1 Neurofibroma	9540/3 Malignant peripheral nerve sheath tumour (epithelioid, mesenchymal, glandular)
	225.1	Cranial nerves	C72.3	Optic nerve	C72.3	9550/0 Neurofibroma	
			C72.4	Acoustic nerve	C72.4	9560/0,1 Schwannoma (cellular, plexiform, melanotic)	
			C72.5	Other and unspecified cranial nerves	C72.5	9571/0 Perineurioma	
			D33.3	Cranial nerves			

Topography and Behavior

	Topography codes					Morphology codes			
	ICD-9		ICD-10		ICD-O3	ICD-O 3 rd edition			
						ICD-O / 0 / 1		ICD-O / 3	
Tumours of the meninges	192.1	Cerebral meninges	C70.0	Cerebral meninges	C70.0	9530/0,1	Meningioma	9530/3	Papillary, rhabdoid, anaplastic meningioma
	225.2	Cerebral meninges			C70.9	9531/0	Meningioma		
	237.6	Meninges	D32.0	Cerebral meninges		9532/0	Meningioma	9538/3	Papillary, rhabdoid, anaplastic meningioma
			D42.0	Cerebral meninges		9533/0	Meningioma	9539/3	Meningeal sarcomatosis
					9534/0	Meningioma			
					9535/0	Meningioma			
					9537/0	Meningioma			
					9538/1	Atypical, chordoid, clear cell meningioma			
					9539/1	Atypical, chordoid, clear cell meningioma			
Other neoplasms						9161/1	Haemangioblastoma ¹⁰		

¹⁰ Eligible if not associated with Von Hippel-Lindau syndrome and located in the CNS