

Supplementary Table S1 The distribution of each carcinoma subtypes and sex

Cancer types	Female	Male	Total
Choroid plexus tumors		1	1
Choroid plexus papilloma		1	1
Embryonal tumors	20	27	47
Atypical teratoid/rhabdoid tumor	1		1
CNS embryonal tumor	7	3	10
CNS embryonal tumor with rhabdoid features	1	1	2
CNS ganglioneuroblastoma	1		1
CNS neuroblastoma		1	1
Medulloblastoma	9	20	29
Neuroblastoma		1	1
Primitive neuroectodermal tumor	1		1
Rhabdoid tumor		1	1
Germ cell tumors	2	6	8
Germ cell tumor	2	3	5
Immature teratoma		2	2
Seminoma		1	1
Solid tumor others	2	1	3
Mediastinal peritoneal germ cell tumor	1		1
Pleural carcinoma/pleural tumor	1		1
Small round cell tumor		1	1
Gliomas	61	71	132
Anaplastic pleomorphic xanthoastrocytoma	2		2
Astrocytic glioma	4	8	12
Diffuse astrocytoma		1	1
Glioblastoma	2	2	4
Glioma	48	55	103
High-grade glioma		2	2
Oligodendroglioma		1	1
Pediatric-type diffuse glioma	1		1
Pilocytic astrocytoma	3	2	5
Pilomyxoid astrocytoma	1		1
Bladder tumors		1	1
Bladder tumor		1	1
Tumors of soft tissue and bone	25	35	60
Bone tumor	6	3	9
Clear cell sarcoma	1		1
Congenital fibrosarcoma		1	1
Dermatofibrosarcoma protuberan	1		1
Embryonal rhabdomyosarcoma		1	1
Epithelial sarcoid tumor		1	1
Ewing's sarcoma	2	3	5
Extrasosseous Ewing's sarcoma/Primitive neuroectodermal tumor	1		1

Extraosseous osteosarcoma		3	3
Fusocellular sarcoma		1	1
Liposarcoma	1		1
Mesenchymal malignancy	1	1	2
Myofibroblastoma	1		1
Non-ossifying fibroma	1		1
Osteosarcoma	3	4	7
Rhabdomyosarcoma		4	4
Sarcoma	1	2	3
Soft tissue sarcoma	4	9	13
Synoviosarcoma	2	2	4
CNS tumor others		2	2
Cerebellar malignancy		1	1
CNS others		1	1
Liver cancers	1	1	2
Hepatoblastoma		1	1
Hepatocellular carcinoma	1		1
Glioneuronal and neuronal tumors	1	5	6
Diffuse leptomeningeal glioneuronal tumor		1	1
Ganglioglioma		2	2
Mixed glioneuronal tumors		1	1
Neuroepithelial tumor	1	1	2
Thyroid cancers	1		1
Thyroid cancer	1		1
Head and neck tumors		3	3
Head and neck tumor		1	1
Orbital and temporal tumor		1	1
Parotid gland carcinoma		1	1
Meningiomas	5	1	6
Meningioma	5	1	6
Tumors of the sellar region		2	2
Craniopharyngioma		2	2
Ependymal tumors	10	17	27
Ependymoma	10	17	27
Cranial and paraspinal nerve tumors		1	1
Neurofibroma		1	1
Kidney Cancers	6	7	13
Adrenal carcinoma		1	1
Adrenal cortical adenoma	1		1
Kidney Cancer		1	1
Nephroblastoma	5	5	10
Pineal tumors	1	1	2
Pineoblastoma		1	1
Pineocytoma	1		1

Neurogenic tumors	1	1	
Primitive neurogenic tumor	1	1	
Total	135	183	318