

JAPAN, Osaka (1990-2012)

	Number of cases							Percentage				Incidence rates per million person-years								MV % 0-19	DCO % 0-19	
	Age group							0-14		0-19		Age-specific					Cumulative					
	0	1-4	5-9	10-14	15-19	0-14	0-19	All	Group	All	Group	0	1-4	5-9	10-14	15-19	0-14	ASR	0-19			0-14
I LEUKAEMIA	116	499	368	288	303	1271	1574	32.0	100.0	30.3	100.0	61.8	66.2	38.0	28.2	25.0	45.7	41.1	658	783	98.9	0.3
a. Lymphoid	33	349	246	154	136	782	918	19.7	61.5	17.7	58.3	17.6	46.3	25.4	15.1	11.2	28.3	24.4	405	461	100.0	0.0
b. Acute myeloid	51	107	80	90	110	328	438	8.3	25.8	8.4	27.8	27.2	14.2	8.3	8.8	9.1	11.7	11.1	169	215	100.0	0.0
c. CMD	5	6	16	18	31	45	76	1.1	3.5	1.5	4.8	2.7	0.8	1.7	1.8	2.6	1.5	1.7	23	36	100.0	0.0
d. MDS & other	8	14	14	8	13	44	57	1.1	3.5	1.1	3.6	4.3	1.9	1.4	0.8	1.1	1.6	1.5	23	28	100.0	0.0
e. Unspecified	19	23	12	18	13	72	85	1.8	5.7	1.6	5.4	10.1	3.1	1.2	1.8	1.1	2.6	2.3	37	43	78.8	5.9
II LYMPHOMA & RELATED	25	96	122	133	157	376	533	9.5	100.0	10.3	100.0	13.3	12.7	12.6	13.0	13.0	12.8	12.9	192	257	91.6	1.3
a. Hodgkin	1	2	10	13	51	26	77	0.7	6.9	1.5	14.4	0.5	0.3	1.0	1.3	4.2	0.8	1.6	13	34	100.0	0.0
b. Non-Hodgkin except BL	9	34	53	74	71	170	241	4.3	45.2	4.6	45.2	4.8	4.5	5.5	7.2	5.9	5.6	5.7	86	116	99.6	0.0
c. Burkitt (BL)	0	13	27	14	3	54	57	1.4	14.4	1.1	10.7	-	1.7	2.8	1.4	0.2	1.8	1.5	28	29	100.0	0.0
d. Lymphoreticular	15	35	5	7	3	62	65	1.6	16.5	1.3	12.2	8.0	4.6	0.5	0.7	0.2	2.4	1.9	33	34	100.0	0.0
e. Unspecified	0	12	27	25	29	64	93	1.6	17.0	1.8	17.4	-	1.6	2.8	2.4	2.4	2.1	2.2	33	45	52.7	7.5
III CNS NEOPLASMS †	78	238	248	223	198	787	985	19.8	100.0	19.0	100.0	41.5	31.6	25.6	21.8	16.3	27.6	25.1	405	487	67.9	1.4
a. Ependymoma	13	47	14	14	2	88	90	2.2	11.2	1.7	9.1	6.9	6.2	1.4	1.4	0.2	3.3	2.6	46	47	100.0	0.0
b. Astrocytoma	21	43	65	61	56	190	246	4.8	24.1	4.7	25.0	11.2	5.7	6.7	6.0	4.6	6.5	6.1	97	121	96.3	0.0
c. CNS embryonal	17	40	45	26	16	128	144	3.2	16.3	2.8	14.6	9.1	5.3	4.6	2.5	1.3	4.6	3.8	66	73	100.0	0.0
d. Other gliomas	6	21	45	32	13	104	117	2.6	13.2	2.3	11.9	3.2	2.8	4.6	3.1	1.1	3.5	3.0	53	59	53.0	2.6
e. Other specified	3	25	25	39	72	92	164	2.3	11.7	3.2	16.6	1.6	3.3	2.6	3.8	5.9	3.1	3.7	47	77	76.8	0.0
f. Unspecified CNS	18	62	54	51	39	185	224	4.7	23.5	4.3	22.7	9.6	8.2	5.6	5.0	3.2	6.5	5.8	95	111	4.5	4.9
IV NEUROBLASTOMA	243	153	44	5	10	445	455	11.2	100.0	8.8	100.0	129.4	20.3	4.5	0.5	0.8	17.9	14.1	236	240	79.3	0.4
a. (Ganglio)neuroblastoma	243	153	44	4	7	444	451	11.2	99.8	8.7	99.1	129.4	20.3	4.5	0.4	0.6	17.9	14.0	235	238	79.2	0.4
b. Peripheral nervous	0	0	0	1	3	1	4	0.0	0.2	0.1	0.9	-	-	-	0.1	0.2	0.0	0.1	0	2	100.0	0.0
V RETINOBLASTOMA	44	80	10	0	0	134	134	3.4	100.0	2.6	100.0	23.4	10.6	1.0	-	-	5.4	4.2	71	71	54.5	0.0
VI RENAL TUMOURS	19	65	15	8	6	107	113	2.7	100.0	2.2	100.0	10.1	8.6	1.5	0.8	0.5	4.2	3.4	56	59	76.1	0.0
a. Nephroblastoma	19	64	13	5	0	101	101	2.5	94.4	1.9	89.4	10.1	8.5	1.3	0.5	-	4.0	3.1	53	53	74.3	0.0
b. Renal carcinoma	0	1	1	3	6	5	11	0.1	4.7	0.2	9.7	-	0.1	0.1	0.3	0.5	0.2	0.2	3	5	100.0	0.0
c. Unspecified	0	0	1	0	0	1	1	0.0	0.9	0.0	0.9	-	-	0.1	-	-	0.0	0.0	1	1	0.0	0.0
VII HEPATIC TUMOURS	38	41	13	12	4	104	108	2.6	100.0	2.1	100.0	20.2	5.4	1.3	1.2	0.3	4.0	3.2	55	56	92.6	0.9
a. Hepatoblastoma	36	39	11	6	0	92	92	2.3	88.5	1.8	85.2	19.2	5.2	1.1	0.6	-	3.6	2.8	48	48	100.0	0.0
b. Hepatic carcinoma	1	0	2	5	4	8	12	0.2	7.7	0.2	11.1	0.5	-	0.2	0.5	0.3	0.2	0.3	4	6	66.7	0.0
c. Unspecified	1	2	0	1	0	4	4	0.1	3.8	0.1	3.7	0.5	0.3	-	0.1	-	0.2	0.1	2	2	0.0	25.0
VIII BONE TUMOURS	2	6	36	105	114	149	263	3.8	100.0	5.1	100.0	1.1	0.8	3.7	10.3	9.4	4.5	5.6	74	121	97.3	0.0
a. Osteosarcoma	1	1	21	71	77	94	171	2.4	63.1	3.3	65.0	0.5	0.1	2.2	6.9	6.4	2.8	3.6	47	78	100.0	0.0
b. Chondrosarcoma	0	0	1	7	11	8	19	0.2	5.4	0.4	7.2	-	-	0.1	0.7	0.9	0.2	0.4	4	8	100.0	0.0
c. Ewing & related	1	5	10	22	17	38	55	1.0	25.5	1.1	20.9	0.5	0.7	1.0	2.2	1.4	1.2	1.2	19	26	100.0	0.0
d. Other specified	0	0	1	3	5	4	9	0.1	2.7	0.2	3.4	-	-	0.1	0.3	0.4	0.1	0.2	2	4	100.0	0.0
e. Unspecified	0	0	3	2	4	5	9	0.1	3.4	0.2	3.4	-	-	0.3	0.2	0.3	0.2	0.2	3	4	22.2	0.0
IX SOFT TISSUE SARCOMA	27	51	60	56	91	194	285	4.9	100.0	5.5	100.0	14.4	6.8	6.2	5.5	7.5	6.8	7.0	100	137	98.6	0.0
a. Rhabdomyosarcoma	8	32	35	22	24	97	121	2.4	50.0	2.3	42.5	4.3	4.2	3.6	2.2	2.0	3.4	3.1	50	60	100.0	0.0
b. Fibrosarcoma	9	3	4	2	17	18	35	0.5	9.3	0.7	12.3	4.8	0.4	0.4	0.2	1.4	0.7	0.8	9	16	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	9	12	17	29	39	67	106	1.7	34.5	2.0	37.2	4.8	1.6	1.8	2.8	3.2	2.3	2.5	34	50	100.0	0.0
e. Unspecified	1	4	4	3	11	12	23	0.3	6.2	0.4	8.1	0.5	0.5	0.4	0.3	0.9	0.4	0.5	6	11	82.6	0.0
X GERM CELL TUMOURS	50	50	50	112	153	262	415	6.6	100.0	8.0	100.0	26.6	6.6	5.2	11.0	12.6	9.0	9.8	134	197	94.7	0.0
a. CNS germ cell ‡	14	7	29	56	53	106	159	2.7	40.5	3.1	38.3	7.5	0.9	3.0	5.5	4.4	3.4	3.6	54	75	100.0	0.0
b. Other extragonadal	20	16	5	8	15	49	64	1.2	18.7	1.2	15.4	10.6	2.1	0.5	0.8	1.2	1.9	1.7	26	32	98.4	0.0
c. Gonadal germ cell	14	22	15	35	62	86	148	2.2	32.8	2.8	35.7	7.5	2.9	1.5	3.4	5.1	3.0	3.5	44	70	100.0	0.0
d. Gonadal carcinoma	0	0	0	2	17	2	19	0.1	0.8	0.4	4.6	-	-	-	0.2	1.4	0.1	0.4	1	8	100.0	0.0
e. Unspecified gonadal	2	5	1	11	6	19	25	0.5	7.3	0.5	6.0	1.1	0.7	0.1	1.1	0.5	0.6	0.6	10	12	16.0	0.0
XI CARCINOMA & MELANOMA	0	4	13	61	155	78	233	2.0	100.0	4.5	100.0	-	0.5	1.3	6.0	12.8	2.3	4.7	39	103	94.0	0.9
a. Adrenocortical	0	3	0	1	0	4	4	0.1	5.1	0.1	1.7	-	0.4	-	0.1	-	0.2	0.1	2	2	100.0	0.0
b. Thyroid	0	1	7	21	77	29	106	0.7	37.2	2.0	45.5	-	0.1	0.7	2.1	6.4	0.9	2.1	14	46	89.6	0.0
c. Nasopharyngeal	0	0	0	5	10	5	15	0.1	6.4	0.3	6.4	-	-	-	0.5	0.8	0.1	0.3	2	7	100.0	0.0
d. Melanoma	0	0	1	4	3	5	8	0.1	6.4	0.2	3.4	-	-	0.1	0.4	0.2	0.1	0.2	2	4	75.0	12.5
e. Skin carcinoma	0	0	0	3	1	3	4	0.1	3.8	0.1	1.7	-	-	-	0.3	0.1	0.1	0.1	1	2	100.0	0.0
f. Other & unspecified	0	0	5	27	64	32	96	0.8	41.0	1.8	41.2	-	-	0.5	2.6	5.3	0.9	1.9	16	42	99.0	1.0
XII OTHER & UNSPECIFIED	4	23	17	20	31	64	95	1.6	100.0	1.8	100.0	2.1	3.1	1.8	2.0	2.6	2.2	2.3	33	46	33.7	8.4
a. Other specified	0	8	6	0	2	14	16	0.4	21.9	0.3	16.8	-	1.1	0.6	-	0.2	0.5	0.4	7	8	100.0	0.0
b. Other unspecified	4	15	11	20	29	50	79	1.3	78.1	1.5	83.2	2.1	2.0	1.1	2.0	2.4	1.7	1.9	26	38	20.3	10.1
TOTAL	646	1306	996	1023	1222	3971	5193	100.0	100.0	100.0	100.0	344.0	173.3	102.9	100.1	100.8	142.5	133.1	2052	2556	86.9	0.8

† includes 269 non-malignant ‡ includes 15 non-malignant

Please consult the quality indicators for this registry

JAPAN, Osaka (1990-2012)

	Males										M/F ratio		Females											
	Number of cases in age groups										0-14	0-19	Number of cases in age groups										0-14	0-19
	0	1-4	5-9	10-14	15-19	0-14	0-19	ASR per million	0-14	0-19			0	1-4	5-9	10-14	15-19	0-14	0-19	ASR per million	0-14	0-19		
I LEUKAEMIA	52	262	194	163	187	671	858	46.9	43.1	1.1	1.2	64	237	174	125	116	600	716	44.5	38.9				
a. Lymphoid	17	185	130	87	97	419	516	29.5	26.4	1.2	1.3	16	164	116	67	39	363	402	27.0	22.4				
b. Acute myeloid	21	54	44	50	56	169	225	11.7	11.1	1.1	1.1	30	53	36	40	54	159	213	11.8	11.2				
c. CMD	3	3	7	12	19	25	44	1.6	1.9	1.3	1.4	2	3	9	6	12	20	32	1.4	1.5				
d. MDS & other	2	5	9	3	8	19	27	1.3	1.3	0.8	0.9	6	9	5	5	5	25	30	1.9	1.7				
e. Unspecified	9	15	4	11	7	39	46	2.8	2.4	1.2	1.2	10	8	8	7	6	33	39	2.5	2.1				
II LYMPHOMA & RELATED	16	58	87	90	101	251	352	16.6	16.5	2.0	1.9	9	38	35	43	56	125	181	8.9	9.0				
a. Hodgkin	0	2	5	10	29	17	46	1.0	1.9	1.9	1.5	1	0	5	3	22	9	31	0.6	1.3				
b. Non-Hodgkin except BL	6	20	35	50	47	111	158	7.1	7.2	1.9	1.9	3	14	18	24	24	59	83	4.1	4.1				
c. Burkitt (BL)	0	13	27	9	3	49	52	3.3	2.7	9.8	10.4	0	0	0	5	0	5	5	0.3	0.2				
d. Lymphoreticular	10	16	4	4	1	34	35	2.6	2.0	1.2	1.2	5	19	1	3	2	28	30	2.3	1.8				
e. Unspecified	0	7	16	17	21	40	61	2.5	2.7	1.7	1.9	0	5	11	8	8	24	32	1.6	1.6				
III CNS NEOPLASMS †	38	134	125	113	104	410	514	28.2	25.6	1.1	1.1	40	104	123	110	94	377	471	26.9	24.5				
a. Ependymoma	6	25	8	5	0	44	44	3.3	2.5	1.0	1.0	7	22	6	9	2	44	46	3.4	2.7				
b. Astrocytoma	10	19	33	32	39	94	133	6.3	6.3	1.0	1.2	11	24	32	29	17	96	113	6.8	5.9				
c. CNS embryonal	9	28	23	14	6	74	80	5.2	4.3	1.4	1.3	8	12	22	12	10	54	64	3.9	3.4				
d. Other gliomas	4	12	22	15	6	53	59	3.5	3.0	1.0	1.0	2	9	23	17	7	51	58	3.5	3.0				
e. Other specified	2	16	14	21	32	53	85	3.5	3.9	1.4	1.1	1	9	11	18	40	39	79	2.6	3.6				
f. Unspecified CNS	7	34	25	26	21	92	113	6.4	5.7	1.0	1.0	11	28	29	25	18	93	111	6.7	5.9				
IV NEUROBLASTOMA	121	93	20	3	3	237	240	18.7	14.6	1.1	1.1	122	60	24	2	7	208	215	17.1	13.5				
a. (Ganglio)neuroblastoma	121	93	20	2	3	236	239	18.7	14.5	1.1	1.1	122	60	24	2	4	208	212	17.1	13.4				
b. Peripheral nervous	0	0	0	1	0	1	1	0.1	0.0	-	0.3	0	0	0	0	3	0	3	-	0.1				
V RETINOBLASTOMA	23	36	5	0	0	64	64	5.1	3.9	0.9	0.9	21	44	5	0	0	70	70	5.8	4.5				
VI RENAL TUMOURS	10	35	7	5	1	57	58	4.3	3.4	1.1	1.1	9	30	8	3	5	50	55	4.0	3.3				
a. Nephroblastoma	10	34	7	3	0	54	54	4.2	3.2	1.1	1.1	9	30	6	2	0	47	47	3.8	3.0				
b. Renal carcinoma	0	1	0	2	1	3	4	0.2	0.2	1.5	0.6	0	0	1	1	5	2	7	0.1	0.3				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	0.1	0.1				
VII HEPATIC TUMOURS	21	22	10	9	4	62	66	4.6	3.7	1.5	1.6	17	19	3	3	0	42	42	3.4	2.6				
a. Hepatoblastoma	21	22	8	5	0	56	56	4.3	3.3	1.6	1.6	15	17	3	1	0	36	36	3.0	2.3				
b. Hepatic carcinoma	0	0	2	3	4	5	9	0.3	0.4	1.7	3.0	1	0	0	2	0	3	3	0.2	0.2				
c. Unspecified	0	0	0	1	0	1	1	0.1	0.0	0.3	0.3	1	2	0	0	0	3	3	0.3	0.2				
VIII BONE TUMOURS	2	6	21	56	79	85	164	5.1	6.8	1.3	1.7	0	0	15	49	35	64	99	3.9	4.3				
a. Osteosarcoma	1	1	13	35	57	50	107	2.9	4.4	1.1	1.7	0	0	8	36	20	44	64	2.6	2.8				
b. Chondrosarcoma	0	0	1	4	4	5	9	0.3	0.4	1.7	0.9	0	0	0	3	7	3	10	0.2	0.4				
c. Ewing & related	1	5	5	15	12	26	38	1.6	1.7	2.2	2.2	0	0	5	7	5	12	17	0.7	0.8				
d. Other specified	0	0	0	1	3	1	4	0.1	0.2	0.3	0.8	0	0	1	2	2	3	5	0.2	0.2				
e. Unspecified	0	0	2	1	3	3	6	0.2	0.3	1.5	2.0	0	0	1	1	1	2	3	0.1	0.1				
IX SOFT TISSUE SARCOMA	12	25	38	27	42	102	144	6.9	6.9	1.1	1.0	15	26	22	29	49	92	141	6.6	7.0				
a. Rhabdomyosarcoma	3	14	20	11	10	48	58	3.3	2.9	1.0	0.9	5	18	15	11	14	49	63	3.6	3.3				
b. Fibrosarcoma	6	2	3	0	8	11	19	0.8	0.9	1.6	1.2	3	1	1	2	9	7	16	0.5	0.7				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	3	9	13	14	18	39	57	2.6	2.7	1.4	1.2	6	3	4	15	21	28	49	1.9	2.3				
e. Unspecified	0	0	2	2	6	4	10	0.2	0.4	0.5	0.8	1	4	2	1	5	8	13	0.6	0.7				
X GERM CELL TUMOURS	25	35	24	45	81	129	210	8.9	9.8	1.0	1.0	25	15	26	67	72	133	205	9.0	9.7				
a. CNS germ cell ‡	7	4	21	38	45	70	115	4.4	5.0	1.9	2.6	7	3	8	18	8	36	44	2.4	2.2				
b. Other extragonadal	6	7	2	4	13	19	32	1.4	1.6	0.6	1.0	14	9	3	4	2	30	32	2.4	1.9				
c. Gonadal germ cell	10	19	0	2	23	31	54	2.4	2.7	0.6	0.6	4	3	15	33	39	55	94	3.5	4.2				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	2	17	2	19	0.1	0.7				
e. Unspecified gonadal	2	5	1	1	0	9	9	0.7	0.5	0.9	0.6	0	0	0	10	6	10	16	0.6	0.7				
XI CARCINOMA & MELANOMA	0	0	7	27	56	34	90	2.0	3.5	0.8	0.6	0	4	6	34	99	44	143	2.7	5.9				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	3	0	1	0	4	4	0.3	0.2				
b. Thyroid	0	0	4	6	14	10	24	0.6	1.0	0.5	0.3	0	1	3	15	63	19	82	1.2	3.3				
c. Nasopharyngeal	0	0	0	4	9	4	13	0.2	0.5	4.0	6.5	0	0	0	1	1	1	2	0.1	0.1				
d. Melanoma	0	0	0	2	1	2	3	0.1	0.1	0.7	0.6	0	0	1	2	2	3	5	0.2	0.2				
e. Skin carcinoma	0	0	0	2	1	2	3	0.1	0.1	2.0	3.0	0	0	0	1	0	1	1	0.1	0.0				
f. Other & unspecified	0	0	3	13	31	16	47	0.9	1.8	1.0	1.0	0	0	2	14	33	16	49	1.0	2.0				
XII OTHER & UNSPECIFIED	2	13	8	7	18	30	48	2.1	2.3	0.9	1.0	2	10	9	13	13	34	47	2.4	2.3				
a. Other specified	0	4	3	0	0	7	7	0.5	0.4	1.0	0.8	0	4	3	0	2	7	9	0.5	0.5				
b. Other unspecified	2	9	5	7	18	23	41	1.6	1.9	0.9	1.1	2	6	6	13	11	27	38	1.8	1.8				
TOTAL	322	719	546	545	676	2132	2808	149.4	140.3	1.2	1.2	324	587	450	478	546	1839	2385	135.3	125.6				

† includes 136 non-malignant in males and 133 non-malignant in females ‡ includes 10 non-malignant in males and 5 non-malignant in females

Please consult the quality indicators for this registry

JAPAN, Osaka (1990-2012)

	Age group	Males	Females
Person-years	0	960 180	917 990
	1-4	3 857 100	3 677 590
	5-9	4 960 940	4 721 020
	10-14	5 234 820	4 982 700
	15-19	6 193 090	5 925 800
Total	0-14	15 013 040	14 299 300
	0-19	21 206 130	20 225 100
Average annual population	0-14	652 741	621 709
	0-19	922 006	879 352

Please consult the quality indicators for this registry