

JAPAN, Tochigi (2005-2012)

	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	7	45	31	25	15	108	123	39.9	100.0	32.5	100.0	52.7	80.7	41.9	32.6	19.3	52.1	44.7	749	845	100.0	0.0
a. Lymphoid	3	31	25	12	8	71	79	26.2	65.7	20.9	64.2	22.6	55.6	33.8	15.6	10.3	34.5	29.0	493	545	100.0	0.0
b. Acute myeloid	1	9	3	9	3	22	25	8.1	20.4	6.6	20.3	7.5	16.1	4.1	11.7	3.9	10.3	8.9	151	171	100.0	0.0
c. CMD	0	0	2	0	0	2	2	0.7	1.9	0.5	1.6	-	-	2.7	-	-	0.9	0.7	14	14	100.0	0.0
d. MDS & other	2	4	0	4	3	10	13	3.7	9.3	3.4	10.6	15.0	7.2	-	5.2	3.9	4.9	4.6	69	89	100.0	0.0
e. Unspecified	1	1	1	0	1	3	4	1.1	2.8	1.1	3.3	7.5	1.8	1.4	-	1.3	1.6	1.5	21	28	100.0	0.0
II LYMPHOMA & RELATED	2	2	7	8	11	19	30	7.0	100.0	7.9	100.0	15.0	3.6	9.5	10.4	14.2	8.3	9.6	128	199	96.7	0.0
a. Hodgkin	0	0	2	0	7	2	9	0.7	10.5	2.4	30.0	-	-	2.7	-	9.0	0.9	2.7	14	59	100.0	0.0
b. Non-Hodgkin except BL	1	1	2	4	3	8	11	3.0	42.1	2.9	36.7	7.5	1.8	2.7	5.2	3.9	3.5	3.6	54	73	100.0	0.0
c. Burkitt (BL)	0	0	1	2	0	3	3	1.1	15.8	0.8	10.0	-	-	1.4	2.6	-	1.2	0.9	20	20	100.0	0.0
d. Lymphoreticular	1	1	0	2	0	4	4	1.5	21.1	1.1	13.3	7.5	1.8	-	2.6	-	1.9	1.5	28	28	100.0	0.0
e. Unspecified	0	0	2	0	1	2	3	0.7	10.5	0.8	10.0	-	-	2.7	-	1.3	0.9	1.0	14	20	66.7	0.0
III CNS NEOPLASMS †	3	18	19	25	24	65	89	24.0	100.0	23.5	100.0	22.6	32.3	25.7	32.6	30.9	29.5	29.8	443	598	67.4	1.1
a. Ependymoma	0	2	0	1	1	3	4	1.1	4.6	1.1	4.5	-	3.6	-	1.3	1.3	1.5	1.5	21	27	100.0	0.0
b. Astrocytoma	1	7	1	4	6	13	19	4.8	20.0	5.0	21.3	7.5	12.5	1.4	5.2	7.7	6.4	6.7	91	129	89.5	0.0
c. CNS embryonal	0	3	5	4	2	12	14	4.4	18.5	3.7	15.7	-	5.4	6.8	5.2	2.6	5.4	4.7	82	94	100.0	0.0
d. Other gliomas	1	0	4	5	2	10	12	3.7	15.4	3.2	13.5	7.5	-	5.4	6.5	2.6	4.2	3.8	67	80	58.3	0.0
e. Other specified	0	1	3	4	11	8	19	3.0	12.3	5.0	21.3	-	1.8	4.1	5.2	14.2	3.4	5.8	54	124	78.9	0.0
f. Unspecified CNS	1	5	6	7	2	19	21	7.0	29.2	5.6	23.6	7.5	9.0	8.1	9.1	2.6	8.6	7.3	130	142	14.3	4.8
IV NEUROBLASTOMA	7	11	4	1	0	23	23	8.5	100.0	6.1	100.0	52.7	19.7	5.4	1.3	-	12.2	9.5	164	164	82.6	17.4
a. (Ganglio)neuroblastoma	7	11	4	1	0	23	23	8.5	100.0	6.1	100.0	52.7	19.7	5.4	1.3	-	12.2	9.5	164	164	82.6	17.4
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V RETINOBLASTOMA	5	4	0	0	0	9	9	3.3	100.0	2.4	100.0	37.6	7.2	-	-	-	5.0	3.9	65	65	55.6	0.0
VI RENAL TUMOURS	2	6	1	1	2	10	12	3.7	100.0	3.2	100.0	15.0	10.8	1.4	1.3	2.6	5.3	4.7	71	84	91.7	0.0
a. Nephroblastoma	1	6	1	0	1	8	9	3.0	80.0	2.4	75.0	7.5	10.8	1.4	-	1.3	4.4	3.7	57	64	88.9	0.0
b. Renal carcinoma	0	0	0	1	1	1	2	0.4	10.0	0.5	16.7	-	-	-	1.3	1.3	0.4	0.6	7	13	100.0	0.0
c. Unspecified	1	0	0	0	0	1	1	0.4	10.0	0.3	8.3	7.5	-	-	-	-	0.6	0.4	7	7	100.0	0.0
VII HEPATIC TUMOURS	3	1	0	0	0	4	4	1.5	100.0	1.1	100.0	22.6	1.8	-	-	-	2.2	1.7	29	29	100.0	0.0
a. Hepatoblastoma	3	1	0	0	0	4	4	1.5	100.0	1.1	100.0	22.6	1.8	-	-	-	2.2	1.7	29	29	100.0	0.0
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	0	0	3	5	11	8	19	3.0	100.0	5.0	100.0	-	-	4.1	6.5	14.2	3.2	5.7	53	124	94.7	0.0
a. Osteosarcoma	0	0	1	3	6	4	10	1.5	50.0	2.6	52.6	-	-	1.4	3.9	7.7	1.6	3.0	26	65	100.0	0.0
b. Chondrosarcoma	0	0	0	0	2	0	2	-	-	0.5	10.5	-	-	-	-	2.6	-	0.6	-	13	100.0	0.0
c. Ewing & related	0	0	1	2	3	3	6	1.1	37.5	1.6	31.6	-	-	1.4	2.6	3.9	1.2	1.8	20	39	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	1	0	0	1	1	0.4	12.5	0.3	5.3	-	-	1.4	-	-	0.4	0.3	7	7	0.0	0.0
IX SOFT TISSUE SARCOMA	2	0	2	5	9	9	18	3.3	100.0	4.8	100.0	15.0	-	2.7	6.5	11.6	3.9	5.6	61	118	100.0	0.0
a. Rhabdomyosarcoma	0	0	1	1	3	2	5	0.7	22.2	1.3	27.8	-	-	1.4	1.3	3.9	0.8	1.5	13	33	100.0	0.0
b. Fibrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	2	0	1	2	5	5	10	1.8	55.6	2.6	55.6	15.0	-	1.4	2.6	6.4	2.3	3.2	34	66	100.0	0.0
e. Unspecified	0	0	0	2	1	2	3	0.7	22.2	0.8	16.7	-	-	-	2.6	1.3	0.8	0.9	13	19	100.0	0.0
X GERM CELL TUMOURS	0	1	3	8	17	12	29	4.4	100.0	7.7	100.0	-	1.8	4.1	10.4	21.9	4.9	8.7	80	189	100.0	0.0
a. CNS germ cell ‡	0	1	2	5	4	8	12	3.0	66.7	3.2	41.4	-	1.8	2.7	6.5	5.1	3.3	3.7	53	79	100.0	0.0
b. Other extragonadal	0	0	0	0	1	0	1	-	-	0.3	3.4	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
c. Gonadal germ cell	0	0	1	3	10	4	14	1.5	33.3	3.7	48.3	-	-	1.4	3.9	12.9	1.6	4.1	26	91	100.0	0.0
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	-	0.3	3.4	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
e. Unspecified gonadal	0	0	0	0	1	0	1	-	-	0.3	3.4	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
XI CARCINOMA & MELANOMA	0	1	0	1	17	2	19	0.7	100.0	5.0	100.0	-	1.8	-	1.3	21.9	0.9	5.7	14	123	100.0	0.0
a. Adrenocortical	0	1	0	0	0	1	1	0.4	50.0	0.3	5.3	-	1.8	-	-	-	0.6	0.4	7	7	100.0	0.0
b. Thyroid	0	0	0	1	7	1	8	0.4	50.0	2.1	42.1	-	-	-	1.3	9.0	0.4	2.3	7	52	100.0	0.0
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Melanoma	0	0	0	0	2	0	2	-	-	0.5	10.5	-	-	-	-	2.6	-	0.6	-	13	100.0	0.0
e. Skin carcinoma	0	0	0	0	1	0	1	-	-	0.3	5.3	-	-	-	-	1.3	-	0.3	-	6	100.0	0.0
f. Other & unspecified	0	0	0	0	7	0	7	-	-	1.9	36.8	-	-	-	-	9.0	-	2.0	-	45	100.0	0.0
XII OTHER & UNSPECIFIED	0	1	0	1	1	2	3	0.7	100.0	0.8	100.0	-	1.8	-	1.3	1.3	0.9	1.0	14	20	33.3	33.3
a. Other specified	0	0	0	1	0	1	1	0.4	50.0	0.3	33.3	-	-	-	1.3	-	0.4	0.3	7	7	100.0	0.0
b. Other unspecified	0	1	0	0	1	1	2	0.4	50.0	0.5	66.7	-	1.8	-	-	1.3	0.6	0.7	7	14	0.0	50.0
TOTAL	31	90	70	80	107	271	378	100.0	100.0	100.0	100.0	233.3	161.3	94.6	104.2	137.7	128.6	130.6	1870	2559	88.9	1.6

† includes 34 non-malignant ‡ includes 1 non-malignant

Please consult the quality indicators for this registry

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	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	3	27	20	18	11	68	79	63.0	55.0	1.7	1.8	4	18	11	7	4	40	44	40.7	33.9				
a. Lymphoid	1	17	15	9	7	42	49	39.0	34.2	1.4	1.6	2	14	10	3	1	29	30	29.7	23.6				
b. Acute myeloid	0	6	2	6	2	14	16	12.7	10.9	1.8	1.8	1	3	1	3	1	8	9	7.8	6.7				
c. CMD	0	0	2	0	0	2	2	1.7	1.3	-	-	0	0	0	0	0	0	0	-	-				
d. MDS & other	2	4	0	3	1	9	10	8.7	7.3	9.0	3.3	0	0	0	1	2	1	3	0.8	1.8				
e. Unspecified	0	0	1	0	1	1	2	0.9	1.2	0.5	1.0	1	1	0	0	0	2	2	2.3	1.8				
II LYMPHOMA & RELATED	1	1	4	4	6	10	16	8.5	10.0	1.1	1.1	1	1	3	4	5	9	14	8.1	9.2				
a. Hodgkin	0	0	2	0	3	2	5	1.7	3.0	-	1.3	0	0	0	0	4	0	4	-	2.4				
b. Non-Hodgkin except BL	1	1	0	2	2	4	6	3.7	4.0	1.0	1.2	0	0	2	2	1	4	5	3.3	3.2				
c. Burkitt (BL)	0	0	1	2	0	3	3	2.3	1.8	-	-	0	0	0	0	0	0	0	-	-				
d. Lymphoreticular	0	0	0	0	0	0	0	-	-	0.0	0.0	1	1	0	2	0	4	4	3.9	3.0				
e. Unspecified	0	0	1	0	1	1	2	0.9	1.2	1.0	2.0	0	0	1	0	0	1	1	0.9	0.7				
III CNS NEOPLASMS †	2	10	12	14	12	38	50	33.6	32.8	1.4	1.3	1	8	7	11	12	27	39	25.2	26.6				
a. Ependymoma	0	1	0	1	0	2	2	1.8	1.4	2.0	1.0	0	1	0	1	1	2	2	1.2	1.5				
b. Astrocytoma	1	4	0	3	3	8	11	7.7	7.6	1.6	1.4	0	3	1	1	3	5	8	5.1	5.8				
c. CNS embryonal	0	2	2	2	1	6	7	5.4	4.7	1.0	1.0	0	1	3	2	1	6	7	5.4	4.8				
d. Other gliomas	1	0	3	2	0	6	6	5.1	4.0	1.5	1.0	0	0	1	3	2	4	6	3.2	3.7				
e. Other specified	0	0	2	2	8	4	12	3.2	7.0	1.0	1.7	0	1	1	2	3	4	7	3.6	4.6				
f. Unspecified CNS	0	3	5	4	0	12	12	10.5	8.1	1.7	1.3	1	2	1	3	2	7	9	6.7	6.4				
IV NEUROBLASTOMA	5	2	3	1	0	11	11	10.9	8.5	0.9	0.9	2	9	1	0	0	12	12	13.6	10.5				
a. (Ganglio)neuroblastoma	5	2	3	1	0	11	11	10.9	8.5	0.9	0.9	2	9	1	0	0	12	12	13.6	10.5				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
V RETINOBLASTOMA	2	3	0	0	0	5	5	5.4	4.2	1.3	1.3	3	1	0	0	0	4	4	4.6	3.6				
VI RENAL TUMOURS	1	2	1	1	0	5	5	4.9	3.8	1.0	0.7	1	4	0	0	2	5	7	5.8	5.7				
a. Nephroblastoma	1	2	1	0	0	4	4	4.1	3.2	1.0	0.8	0	4	0	0	1	4	5	4.6	4.2				
b. Renal carcinoma	0	0	0	1	0	1	1	0.7	0.6	-	1.0	0	0	0	0	1	0	1	-	0.6				
c. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	1	0	0	0	0	1	1	1.2	0.9				
VII HEPATIC TUMOURS	2	1	0	0	0	3	3	3.3	2.5	3.0	3.0	1	0	0	0	0	1	1	1.2	0.9				
a. Hepatoblastoma	2	1	0	0	0	3	3	3.3	2.5	3.0	3.0	1	0	0	0	0	1	1	1.2	0.9				
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	0	0	0	4	7	4	11	3.0	6.2	1.0	1.4	0	0	3	1	4	4	8	3.5	5.1				
a. Osteosarcoma	0	0	0	3	4	3	7	2.2	4.0	3.0	2.3	0	0	1	0	2	1	3	0.9	1.9				
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	1.2				
c. Ewing & related	0	0	0	1	3	1	4	0.7	2.3	0.5	2.0	0	0	1	1	0	2	2	1.7	1.3				
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	0	0	1	1	0.9	0.7				
IX SOFT TISSUE SARCOMA	1	0	1	3	7	5	12	4.2	7.2	1.3	2.0	1	0	1	2	2	4	6	3.6	4.0				
a. Rhabdomyosarcoma	0	0	0	1	3	1	4	0.7	2.3	1.0	4.0	0	0	1	0	0	1	1	0.9	0.7				
b. Fibrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	1	0	1	1	4	3	7	2.7	4.3	1.5	2.3	1	0	0	1	1	2	3	1.9	2.1				
e. Unspecified	0	0	0	1	0	1	1	0.7	0.6	1.0	0.5	0	0	0	1	1	1	2	0.8	1.2				
X GERM CELL TUMOURS	0	1	0	3	10	4	14	3.3	8.2	0.5	0.9	0	0	3	5	7	8	15	6.6	9.2				
a. CNS germ cell ‡	0	1	0	3	4	4	8	3.3	4.8	1.0	2.0	0	0	2	2	0	4	4	3.3	2.6				
b. Other extragonadal	0	0	0	0	1	0	1	0.6	-	-	-	0	0	0	0	0	0	0	-	-				
c. Gonadal germ cell	0	0	0	0	4	0	4	-	2.3	0.0	0.4	0	0	1	3	6	4	10	3.2	6.1				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.6				
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.6	-	-	0	0	0	0	0	0	0	-	-				
XI CARCINOMA & MELANOMA	0	1	0	0	7	1	8	1.1	4.8	1.0	0.7	0	0	0	1	10	1	11	0.8	6.5				
a. Adrenocortical	0	1	0	0	0	1	1	1.1	0.8	-	-	0	0	0	0	0	0	0	-	-				
b. Thyroid	0	0	0	0	3	0	3	-	1.7	0.0	0.6	0	0	0	1	4	1	5	0.8	3.0				
c. Nasopharyngeal	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Melanoma	0	0	0	0	2	0	2	-	1.1	-	-	0	0	0	0	0	0	0	-	-				
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	1	0	1	-	0.6				
f. Other & unspecified	0	0	0	0	2	0	2	-	1.1	-	0.4	0	0	0	0	5	0	5	-	3.0				
XII OTHER & UNSPECIFIED	0	0	0	0	1	0	1	-	0.6	0.0	0.5	0	1	0	1	0	2	2	1.9	1.5				
a. Other specified	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	1	0	1	1	0.8	0.6				
b. Other unspecified	0	0	0	0	1	0	1	-	0.6	0.0	1.0	0	1	0	0	0	1	1	1.2	0.9				
TOTAL	17	48	41	48	61	154	215	141.1	143.9	1.3	1.3	14	42	29	32	46	117	163	115.4	116.7				

† includes 22 non-malignant in males and 12 non-malignant in females ‡ includes 1 non-malignant in males

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	Age group	Males	Females
Person-years	0	68 653	64 246
	1-4	286 695	271 184
	5-9	379 347	360 461
	10-14	393 467	374 125
	15-19	397 650	379 253
Total	0-14	1 128 162	1 070 016
	0-19	1 525 812	1 449 269
Average annual population	0-14	141 020	133 752
	0-19	190 727	181 159

Please consult the quality indicators for this registry