

## JAPAN, Yamagata (1990-2013)

	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
<b>I LEUKAEMIA</b>	8	57	33	41	56	139	195	34.3	100.0	32.2	100.0	32.3	54.3	22.6	25.2	34.7	34.0	34.2	489	663	99.5	0.0
a. Lymphoid	2	38	22	20	18	82	100	20.2	59.0	16.5	51.3	8.1	36.2	15.1	12.3	11.2	20.4	18.3	291	347	100.0	0.0
b. Acute myeloid	5	15	9	16	22	45	67	11.1	32.4	11.1	34.4	20.2	14.3	6.2	9.8	13.6	10.8	11.4	157	225	100.0	0.0
c. CMD	0	0	0	1	6	1	7	0.2	0.7	1.2	3.6	-	-	-	0.6	3.7	0.2	1.0	3	22	100.0	0.0
d. MDS & other	0	0	1	2	2	3	5	0.7	2.2	0.8	2.6	-	-	0.7	1.2	1.2	0.6	0.7	10	16	100.0	0.0
e. Unspecified	1	4	1	2	8	8	16	2.0	5.8	2.6	8.2	4.0	3.8	0.7	1.2	5.0	2.1	2.7	29	54	93.8	0.0
<b>II LYMPHOMA &amp; RELATED</b>	1	9	13	21	22	44	66	10.9	100.0	10.9	100.0	4.0	8.6	8.9	12.9	13.6	9.6	10.5	148	216	95.5	4.5
a. Hodgkin	0	0	1	1	6	2	8	0.5	4.5	1.3	12.1	-	-	0.7	0.6	3.7	0.4	1.1	6	25	100.0	0.0
b. Non-Hodgkin except BL	0	2	8	15	8	25	33	6.2	56.8	5.5	50.0	-	1.9	5.5	9.2	5.0	5.0	5.0	81	106	100.0	0.0
c. Burkitt (BL)	0	0	2	1	0	3	3	0.7	6.8	0.5	4.5	-	-	1.4	0.6	-	0.6	0.5	10	10	100.0	0.0
d. Lymphoreticular	0	5	0	1	1	6	7	1.5	13.6	1.2	10.6	-	4.8	-	0.6	0.6	1.7	1.4	22	25	100.0	0.0
e. Unspecified	1	2	2	3	7	8	15	2.0	18.2	2.5	22.7	4.0	1.9	1.4	1.8	4.3	1.9	2.4	28	49	80.0	20.0
<b>III CNS NEOPLASMS †</b>	2	19	34	27	22	82	104	20.2	100.0	17.2	100.0	8.1	18.1	23.3	16.6	13.6	18.6	17.5	280	349	76.0	7.7
a. Ependymoma	1	5	2	1	0	9	9	2.2	11.0	1.5	8.7	4.0	4.8	1.4	0.6	-	2.4	1.9	33	33	100.0	0.0
b. Astrocytoma	1	3	11	13	5	28	33	6.9	34.1	5.5	31.7	4.0	2.9	7.5	8.0	3.1	5.9	5.3	93	109	97.0	0.0
c. CNS embryonal	0	5	5	4	3	14	17	3.5	17.1	2.8	16.3	-	4.8	3.4	2.5	1.9	3.3	3.0	49	58	100.0	0.0
d. Other gliomas	0	3	4	3	2	10	12	2.5	12.2	2.0	11.5	-	2.9	2.7	1.8	1.2	2.3	2.1	34	41	83.3	8.3
e. Other specified	0	0	2	1	6	3	9	0.7	3.7	1.5	8.7	-	-	1.4	0.6	3.7	0.6	1.3	10	29	44.4	0.0
f. Unspecified CNS	0	3	10	5	6	18	24	4.4	22.0	4.0	23.1	-	2.9	6.9	3.1	3.7	4.0	3.9	61	80	29.2	29.2
<b>IV NEUROBLASTOMA</b>	17	11	3	3	2	34	36	8.4	100.0	6.0	100.0	68.5	10.5	2.1	1.8	1.2	9.5	7.7	127	134	97.2	0.0
a. (Ganglio)neuroblastoma	17	11	3	3	0	34	34	8.4	100.0	5.6	94.4	68.5	10.5	2.1	1.8	-	9.5	7.4	127	127	97.1	0.0
b. Peripheral nervous	0	0	0	0	2	0	2	-	-	0.3	5.6	-	-	-	-	1.2	-	0.3	-	6	100.0	0.0
<b>V RETINOBLASTOMA</b>	0	1	0	0	0	1	1	0.2	100.0	0.2	100.0	-	1.0	-	-	-	0.3	0.2	4	4	100.0	0.0
<b>VI RENAL TUMOURS</b>	0	6	2	1	1	9	10	2.2	100.0	1.7	100.0	-	5.7	1.4	0.6	0.6	2.4	2.0	33	36	100.0	0.0
a. Nephroblastoma	0	6	1	1	1	8	9	2.0	88.9	1.5	90.0	-	5.7	0.7	0.6	0.6	2.2	1.8	30	33	100.0	0.0
b. Renal carcinoma	0	0	1	0	0	1	1	0.2	11.1	0.2	10.0	-	-	0.7	-	-	0.2	0.2	3	3	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VII HEPATIC TUMOURS</b>	3	8	0	0	0	11	11	2.7	100.0	1.8	100.0	12.1	7.6	-	-	-	3.3	2.5	42	42	90.9	0.0
a. Hepatoblastoma	3	7	0	0	0	10	10	2.5	90.9	1.7	90.9	12.1	6.7	-	-	-	3.0	2.3	39	39	100.0	0.0
b. Hepatic carcinoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Unspecified	0	1	0	0	0	1	1	0.2	9.1	0.2	9.1	-	1.0	-	-	-	0.3	0.2	4	4	0.0	0.0
<b>VIII BONE TUMOURS</b>	0	2	8	14	17	24	41	5.9	100.0	6.8	100.0	-	1.9	5.5	8.6	10.5	4.9	6.1	78	131	87.8	9.8
a. Osteosarcoma	0	1	6	14	9	21	30	5.2	87.5	5.0	73.2	-	1.0	4.1	8.6	5.6	4.1	4.4	67	95	100.0	0.0
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
c. Ewing & related	0	1	1	0	3	2	5	0.5	8.3	0.8	12.2	-	1.0	0.7	-	1.9	0.5	0.8	7	17	100.0	0.0
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Unspecified	0	0	1	0	5	1	6	0.2	4.2	1.0	14.6	-	-	0.7	-	3.1	0.2	0.9	3	19	16.7	66.7
<b>IX SOFT TISSUE SARCOMA</b>	1	6	2	12	12	21	33	5.2	100.0	5.5	100.0	4.0	5.7	1.4	7.4	7.4	4.7	5.3	71	108	100.0	0.0
a. Rhabdomyosarcoma	0	5	2	8	1	15	16	3.7	71.4	2.6	48.5	-	4.8	1.4	4.9	0.6	3.4	2.7	51	54	100.0	0.0
b. Fibrosarcoma	0	0	0	0	2	0	2	-	-	0.3	6.1	-	-	-	-	1.2	-	0.3	-	6	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	0	1	0	4	9	5	14	1.2	23.8	2.3	42.4	-	1.0	-	2.5	5.6	1.0	2.0	16	44	100.0	0.0
e. Unspecified	1	0	0	0	0	1	1	0.2	4.8	0.2	3.0	4.0	-	-	-	-	0.3	0.2	4	4	100.0	0.0
<b>X GERM CELL TUMOURS</b>	3	3	3	16	37	25	62	6.2	100.0	10.2	100.0	12.1	2.9	2.1	9.8	22.9	5.3	9.3	82	197	96.8	0.0
a. CNS germ cell	0	0	3	12	6	15	21	3.7	60.0	3.5	33.9	-	-	2.1	7.4	3.7	2.8	3.0	47	66	100.0	0.0
b. Other extragonadal	2	0	0	1	6	3	9	0.7	12.0	1.5	14.5	8.1	-	-	0.6	3.7	0.8	1.4	11	29	100.0	0.0
c. Gonadal germ cell	1	2	0	1	18	4	22	1.0	16.0	3.6	35.5	4.0	1.9	-	0.6	11.2	1.1	3.3	15	70	100.0	0.0
d. Gonadal carcinoma	0	1	0	2	4	3	7	0.7	12.0	1.2	11.3	-	1.0	-	1.2	2.5	0.7	1.1	10	22	100.0	0.0
e. Unspecified gonadal	0	0	0	0	3	0	3	-	-	0.5	4.8	-	-	-	-	1.9	-	0.4	-	9	33.3	0.0
<b>XI CARCINOMA &amp; MELANOMA</b>	0	1	1	6	26	8	34	2.0	100.0	5.6	100.0	-	1.0	0.7	3.7	16.1	1.6	4.9	26	106	100.0	0.0
a. Adrenocortical	0	1	0	0	0	1	1	0.2	12.5	0.2	2.9	-	1.0	-	-	-	0.3	0.2	4	4	100.0	0.0
b. Thyroid	0	0	1	4	8	5	13	1.2	62.5	2.1	38.2	-	-	0.7	2.5	5.0	0.9	1.8	16	40	100.0	0.0
c. Nasopharyngeal	0	0	0	0	3	0	3	-	-	0.5	8.8	-	-	-	-	1.9	-	0.4	-	9	100.0	0.0
d. Melanoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
e. Skin carcinoma	0	0	0	0	2	0	2	-	-	0.3	5.9	-	-	-	-	1.2	-	0.3	-	6	100.0	0.0
f. Other & unspecified	0	0	0	2	13	2	15	0.5	25.0	2.5	44.1	-	-	-	1.2	8.1	0.4	2.1	6	46	100.0	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	0	1	1	5	5	7	12	1.7	100.0	2.0	100.0	-	1.0	0.7	3.1	3.1	1.4	1.8	23	38	41.7	33.3
a. Other specified	0	0	0	1	2	1	3	0.2	14.3	0.5	25.0	-	-	-	0.6	1.2	0.2	0.4	3	9	100.0	0.0
b. Other unspecified	0	1	1	4	3	6	9	1.5	85.7	1.5	75.0	-	1.0	0.7	2.5	1.9	1.2	1.4	20	29	22.2	44.4
<b>TOTAL</b>	35	124	100	146	200	405	605	100.0	100.0	100.0	100.0	141.1	118.1	68.6	89.6	124.0	95.6	101.9	1403	2023	92.6	3.1

† includes 20 non-malignant

Please consult the quality indicators for this registry

## JAPAN, Yamagata (1990-2013)

	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		
<b>I LEUKAEMIA</b>	1	29	17	20	31	67	98	31.9	33.1	0.9	1.0	7	28	16	21	25	72	97	36.2	35.2				
a. Lymphoid	1	25	12	10	11	48	59	23.9	21.5	1.4	1.4	1	13	10	10	7	34	41	16.7	14.9				
b. Acute myeloid	0	3	5	8	9	16	25	6.7	7.7	0.6	0.6	5	12	4	8	13	29	42	15.1	15.4				
c. CMD	0	0	0	0	4	0	4	-	1.1	0.0	1.3	0	0	0	1	2	1	3	0.4	0.9				
d. MDS & other	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	1	2	2	3	5	1.2	1.5				
e. Unspecified	0	1	0	2	7	3	10	1.3	2.9	0.6	1.7	1	3	1	0	1	5	6	2.9	2.5				
<b>II LYMPHOMA &amp; RELATED</b>	0	4	8	15	16	27	43	11.0	12.9	1.6	1.9	1	5	5	6	6	17	23	8.1	8.0				
a. Hodgkin	0	0	1	1	4	2	6	0.8	1.7	-	3.0	0	0	0	0	2	0	2	-	0.6				
b. Non-Hodgkin except BL	0	1	5	11	5	17	22	6.6	6.5	2.1	2.0	0	1	3	4	3	8	11	3.4	3.5				
c. Burkitt (BL)	0	0	0	1	0	1	1	0.3	0.3	0.5	0.5	0	0	2	0	0	2	2	0.9	0.7				
d. Lymphoreticular	0	2	0	1	1	3	4	1.5	1.4	1.0	1.3	0	3	0	0	0	3	3	1.8	1.4				
e. Unspecified	0	1	2	1	6	4	10	1.8	3.0	1.0	2.0	1	1	0	2	1	4	5	1.9	1.8				
<b>III CNS NEOPLASMS †</b>	1	12	19	13	11	45	56	20.4	18.8	1.2	1.2	1	7	15	14	11	37	48	16.8	16.1				
a. Ependymoma	1	5	1	1	0	8	8	4.3	3.3	8.0	8.0	0	0	1	0	0	1	1	0.5	0.4				
b. Astrocytoma	0	1	3	5	3	9	12	3.6	3.6	0.5	0.6	1	2	8	8	2	19	21	8.4	7.1				
c. CNS embryonal	0	4	3	3	1	10	11	4.7	3.9	2.5	1.8	0	1	2	1	2	4	6	1.9	2.0				
d. Other gliomas	0	1	2	1	1	4	5	1.8	1.7	0.7	0.7	0	2	2	2	1	6	7	2.9	2.5				
e. Other specified	0	0	1	0	1	1	2	0.4	0.6	0.5	0.3	0	0	1	1	5	2	7	0.8	2.1				
f. Unspecified CNS	0	1	9	3	5	13	18	5.5	5.6	2.6	3.0	0	2	1	2	1	5	6	2.4	2.1				
<b>IV NEUROBLASTOMA</b>	8	7	3	1	0	19	19	10.4	8.1	1.3	1.1	9	4	0	2	2	15	17	8.7	7.3				
a. (Ganglio)neuroblastoma	8	7	3	1	0	19	19	10.4	8.1	1.3	1.3	9	4	0	2	0	15	15	8.7	6.7				
b. Peripheral nervous	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.6				
<b>V RETINOBLASTOMA</b>	0	1	0	0	0	1	1	0.6	0.5	-	-	0	0	0	0	0	0	0	-	-				
<b>VI RENAL TUMOURS</b>	0	4	2	0	0	6	6	3.2	2.5	2.0	1.5	0	2	0	1	1	3	4	1.6	1.5				
a. Nephroblastoma	0	4	1	0	0	5	5	2.8	2.1	1.7	1.3	0	2	0	1	1	3	4	1.6	1.5				
b. Renal carcinoma	0	0	1	0	0	1	1	0.4	0.3	-	-	0	0	0	0	0	0	0	-	-				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
<b>VII HEPATIC TUMOURS</b>	2	4	0	0	0	6	6	3.5	2.7	1.2	1.2	1	4	0	0	0	5	5	3.0	2.4				
a. Hepatoblastoma	2	4	0	0	0	6	6	3.5	2.7	1.5	1.5	1	3	0	0	0	4	4	2.4	1.9				
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	1	0	0	0	1	1	0.6	0.5				
<b>VIII BONE TUMOURS</b>	0	2	4	11	13	17	30	6.7	8.8	2.4	2.7	0	0	4	3	4	7	11	2.9	3.4				
a. Osteosarcoma	0	1	3	11	8	15	23	5.7	6.6	2.5	3.3	0	0	3	3	1	6	7	2.5	2.2				
b. Chondrosarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
c. Ewing & related	0	1	1	0	1	2	3	1.0	1.1	-	1.5	0	0	0	0	2	0	2	-	0.6				
d. Other specified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
e. Unspecified	0	0	0	0	4	0	4	-	1.1	0.0	2.0	0	0	1	0	1	1	2	0.5	0.6				
<b>IX SOFT TISSUE SARCOMA</b>	1	4	0	5	6	10	16	4.7	5.2	0.9	0.9	0	2	2	7	6	11	17	4.7	5.3				
a. Rhabdomyosarcoma	0	4	0	4	0	8	8	3.7	2.9	1.1	1.0	0	1	2	4	1	7	8	3.0	2.6				
b. Fibrosarcoma	0	0	0	0	1	0	1	-	0.3	-	1.0	0	0	0	0	1	0	1	-	0.3				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	0	0	0	1	5	1	6	0.3	1.6	0.3	0.8	0	1	0	3	4	4	8	1.7	2.5				
e. Unspecified	1	0	0	0	0	1	1	0.6	0.5	-	-	0	0	0	0	0	0	0	-	-				
<b>X GERM CELL TUMOURS</b>	2	3	0	8	21	13	34	5.7	10.2	1.1	1.2	1	0	3	8	16	12	28	4.9	8.3				
a. CNS germ cell	0	0	0	7	4	7	11	2.4	3.0	0.9	1.1	0	0	3	5	2	8	10	3.2	3.0				
b. Other extragonadal	1	0	0	1	6	2	8	0.9	2.4	2.0	8.0	1	0	0	0	0	1	1	0.6	0.5				
c. Gonadal germ cell	1	2	0	0	8	3	11	1.8	3.5	3.0	1.0	0	0	0	1	10	1	11	0.4	3.1				
d. Gonadal carcinoma	0	1	0	0	2	1	3	0.6	1.0	0.5	0.8	0	0	0	2	2	2	4	0.7	1.1				
e. Unspecified gonadal	0	0	0	0	1	0	1	-	0.3	-	0.5	0	0	0	0	2	0	2	-	0.6				
<b>XI CARCINOMA &amp; MELANOMA</b>	0	0	0	3	11	3	14	1.0	3.8	0.6	0.7	0	1	1	3	15	5	20	2.2	5.9				
a. Adrenocortical	0	0	0	0	0	0	0	-	-	0.0	0.0	0	1	0	0	0	1	1	0.6	0.5				
b. Thyroid	0	0	0	2	3	2	5	0.7	1.4	0.7	0.6	0	0	1	2	5	3	8	1.2	2.3				
c. Nasopharyngeal	0	0	0	0	2	0	2	-	0.5	-	2.0	0	0	0	0	1	0	1	-	0.3				
d. Melanoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
e. Skin carcinoma	0	0	0	0	0	0	0	-	-	-	0.0	0	0	0	0	2	0	2	-	0.6				
f. Other & unspecified	0	0	0	1	6	1	7	0.3	1.9	1.0	0.9	0	0	0	1	7	1	8	0.4	2.3				
<b>XII OTHER &amp; UNSPECIFIED</b>	0	1	1	1	4	3	7	1.4	2.1	0.8	1.4	0	0	0	4	1	4	5	1.5	1.4				
a. Other specified	0	0	0	1	2	1	3	0.3	0.8	-	-	0	0	0	0	0	0	0	-	-				
b. Other unspecified	0	1	1	0	2	2	4	1.0	1.3	0.5	0.8	0	0	0	4	1	4	5	1.5	1.4				
<b>TOTAL</b>	15	71	54	77	113	217	330	100.4	108.7	1.2	1.2	20	53	46	69	87	188	275	90.5	94.9				

† includes 6 non-malignant in males and 14 non-malignant in females

Please consult the quality indicators for this registry

## JAPAN, Yamagata (1990-2013)

	Age group	Males	Females
Person-years	0	126 641	121 416
	1-4	536 152	513 761
	5-9	744 313	712 935
	10-14	833 658	796 303
	15-19	824 703	788 786
Total	0-14	2 240 764	2 144 415
	0-19	3 065 467	2 933 201
Average annual population	0-14	93 365	89 351
	0-19	127 728	122 217

Please consult the quality indicators for this registry