

## REPUBLIC-OF-KOREA, Seoul (1995-2012)

	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
<b>I LEUKAEMIA</b>	129	501	397	408	437	1435	1872	34.3	100.0	29.8	100.0	67.0	62.4	38.0	34.7	32.7	46.8	43.7	680	844	94.8	2.8
a. Lymphoid	49	366	263	215	154	893	1047	21.4	62.2	16.7	55.9	25.4	45.6	25.2	18.3	11.5	29.6	25.5	426	483	99.7	0.3
b. Acute myeloid	42	82	89	127	161	340	501	8.1	23.7	8.0	26.8	21.8	10.2	8.5	10.8	12.1	10.7	11.0	159	219	98.8	1.2
c. CMD	8	13	14	25	61	60	121	1.4	4.2	1.9	6.5	4.2	1.6	1.3	2.1	4.6	1.9	2.5	28	51	99.2	0.8
d. MDS & other	8	12	13	13	25	46	71	1.1	3.2	1.1	3.8	4.2	1.5	1.2	1.1	1.9	1.5	1.6	22	31	81.7	18.3
e. Unspecified	22	28	18	28	36	96	132	2.3	6.7	2.1	7.1	11.4	3.5	1.7	2.4	2.7	3.2	3.1	46	59	43.2	22.7
<b>II LYMPHOMA &amp; RELATED</b>	24	110	138	189	273	461	734	11.0	100.0	11.7	100.0	12.5	13.7	13.2	16.1	20.5	14.1	15.6	214	316	95.9	1.8
a. Hodgkin	0	3	7	30	73	40	113	1.0	8.7	1.8	15.4	-	0.4	0.7	2.6	5.5	1.1	2.1	18	45	100.0	0.0
b. Non-Hodgkin except BL	5	33	68	107	163	213	376	5.1	46.2	6.0	51.2	2.6	4.1	6.5	9.1	12.2	6.2	7.6	97	158	99.5	0.3
c. Burkitt (BL)	1	17	26	26	10	70	80	1.7	15.2	1.3	10.9	0.5	2.1	2.5	2.2	0.7	2.1	1.8	33	36	100.0	0.0
d. Lymphoreticular	15	43	13	11	5	82	87	2.0	17.8	1.4	11.9	7.8	5.4	1.2	0.9	0.4	2.9	2.4	40	42	98.9	1.1
e. Unspecified	3	14	24	15	22	56	78	1.3	12.1	1.2	10.6	1.6	1.7	2.3	1.3	1.6	1.8	1.7	26	35	65.4	14.1
<b>III CNS NEOPLASMS</b>	53	157	186	189	191	585	776	14.0	100.0	12.4	100.0	27.5	19.6	17.8	16.1	14.3	18.6	17.6	275	346	71.3	3.5
a. Ependymoma	4	25	12	5	16	46	62	1.1	7.9	1.0	8.0	2.1	3.1	1.1	0.4	1.2	1.6	1.5	22	28	98.4	0.0
b. Astrocytoma	9	19	28	58	57	114	171	2.7	19.5	2.7	22.0	4.7	2.4	2.7	4.9	4.3	3.4	3.6	52	74	94.7	0.0
c. CNS embryonal	23	65	79	50	33	217	250	5.2	37.1	4.0	32.2	11.9	8.1	7.6	4.3	2.5	7.1	6.1	103	116	99.6	0.0
d. Other gliomas	3	15	21	29	31	68	99	1.6	11.6	1.6	12.8	1.6	1.9	2.0	2.5	2.3	2.1	2.1	31	43	63.6	0.0
e. Other specified	0	3	4	3	3	10	13	0.2	1.7	0.2	1.7	-	0.4	0.4	0.3	0.2	0.3	0.3	5	6	100.0	0.0
f. Unspecified CNS	14	30	42	44	51	130	181	3.1	22.2	2.9	23.3	7.3	3.7	4.0	3.7	3.8	4.1	4.0	61	80	2.8	14.9
<b>IV NEUROBLASTOMA</b>	121	142	37	5	17	305	322	7.3	100.0	5.1	100.0	62.8	17.7	3.5	0.4	1.3	11.5	9.2	152	158	94.7	0.0
a. (Ganglio)neuroblastoma	121	141	35	2	9	299	308	7.1	98.0	4.9	95.7	62.8	17.6	3.4	0.2	0.7	11.3	8.9	149	153	94.5	0.0
b. Peripheral nervous	0	1	2	3	8	6	14	0.1	2.0	0.2	4.3	-	0.1	0.2	0.3	0.6	0.2	0.3	3	6	100.0	0.0
<b>V RETINOBLASTOMA</b>	43	76	7	0	0	126	126	3.0	100.0	2.0	100.0	22.3	9.5	0.7	-	-	4.8	3.8	63	63	89.7	0.0
<b>VI RENAL TUMOURS</b>	40	76	19	5	22	140	162	3.3	100.0	2.6	100.0	20.8	9.5	1.8	0.4	1.6	5.2	4.4	69	78	89.5	0.0
a. Nephroblastoma	35	69	15	3	3	122	125	2.9	87.1	2.0	77.2	18.2	8.6	1.4	0.3	0.2	4.6	3.6	61	62	98.4	0.0
b. Renal carcinoma	0	1	3	2	16	6	22	0.1	4.3	0.4	13.6	-	0.1	0.3	0.2	1.2	0.2	0.4	3	9	100.0	0.0
c. Unspecified	5	6	1	0	3	12	15	0.3	8.6	0.2	9.3	2.6	0.7	0.1	-	0.2	0.5	0.4	6	7	0.0	0.0
<b>VII HEPATIC TUMOURS</b>	31	39	14	14	26	98	124	2.3	100.0	2.0	100.0	16.1	4.9	1.3	1.2	1.9	3.5	3.2	48	58	73.4	4.8
a. Hepatoblastoma	26	26	7	3	1	62	63	1.5	63.3	1.0	50.8	13.5	3.2	0.7	0.3	0.1	2.3	1.8	31	31	100.0	0.0
b. Hepatic carcinoma	1	5	5	9	23	20	43	0.5	20.4	0.7	34.7	0.5	0.6	0.5	0.8	1.7	0.6	0.9	9	18	62.8	4.7
c. Unspecified	4	8	2	2	2	16	18	0.4	16.3	0.3	14.5	2.1	1.0	0.2	0.2	0.1	0.6	0.5	8	9	5.6	22.2
<b>VIII BONE TUMOURS</b>	3	18	53	138	189	212	401	5.1	100.0	6.4	100.0	1.6	2.2	5.1	11.7	14.2	5.9	7.7	95	165	97.0	0.5
a. Osteosarcoma	2	3	36	115	136	156	292	3.7	73.6	4.7	72.8	1.0	0.4	3.4	9.8	10.2	4.1	5.5	69	120	100.0	0.0
b. Chondrosarcoma	0	0	0	5	10	5	15	0.1	2.4	0.2	3.7	-	-	-	0.4	0.7	0.1	0.3	2	6	100.0	0.0
c. Ewing & related	1	9	11	11	26	32	58	0.8	15.1	0.9	14.5	0.5	1.1	1.1	0.9	1.9	1.0	1.2	15	25	100.0	0.0
d. Other specified	0	3	5	3	8	11	19	0.3	5.2	0.3	4.7	-	0.4	0.5	0.3	0.6	0.3	0.4	5	8	100.0	0.0
e. Unspecified	0	3	1	4	9	8	17	0.2	3.8	0.3	4.2	-	0.4	0.1	0.3	0.7	0.2	0.3	4	7	29.4	11.8
<b>IX SOFT TISSUE SARCOMA</b>	24	71	46	94	140	235	375	5.6	100.0	6.0	100.0	12.5	8.8	4.4	8.0	10.5	7.4	8.1	110	162	99.7	0.3
a. Rhabdomyosarcoma	11	52	29	34	27	126	153	3.0	53.6	2.4	40.8	5.7	6.5	2.8	2.9	2.0	4.2	3.7	60	70	100.0	0.0
b. Fibrosarcoma	6	3	2	5	23	16	39	0.4	6.8	0.6	10.4	3.1	0.4	0.2	0.4	1.7	0.5	0.8	8	16	100.0	0.0
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
d. Other specified	6	12	8	46	74	72	146	1.7	30.6	2.3	38.9	3.1	1.5	0.8	3.9	5.5	2.1	2.9	32	60	100.0	0.0
e. Unspecified	1	4	7	9	16	21	37	0.5	8.9	0.6	9.9	0.5	0.5	0.7	0.8	1.2	0.6	0.8	10	16	97.3	2.7
<b>X GERM CELL TUMOURS</b>	56	53	52	155	243	316	559	7.6	100.0	8.9	100.0	29.1	6.6	5.0	13.2	18.2	9.7	11.6	146	237	97.0	0.2
a. CNS germ cell	3	2	29	74	50	108	158	2.6	34.2	2.5	28.3	1.6	0.2	2.8	6.3	3.7	2.9	3.1	48	67	96.2	0.0
b. Other extragonadal	33	8	4	7	23	52	75	1.2	16.5	1.2	13.4	17.1	1.0	0.4	0.6	1.7	1.9	1.9	25	34	100.0	0.0
c. Gonadal germ cell	19	42	17	62	124	140	264	3.3	44.3	4.2	47.2	9.9	5.2	1.6	5.3	9.3	4.4	5.5	65	112	100.0	0.0
d. Gonadal carcinoma	0	0	0	5	38	5	43	0.1	1.6	0.7	7.7	-	-	-	0.4	2.8	0.1	0.7	2	16	100.0	0.0
e. Unspecified gonadal	1	1	2	7	8	11	19	0.3	3.5	0.3	3.4	0.5	0.1	0.2	0.6	0.6	0.3	0.4	5	8	42.1	5.3
<b>XI CARCINOMA &amp; MELANOMA</b>	1	7	31	127	511	166	677	4.0	100.0	10.8	100.0	0.5	0.9	3.0	10.8	38.3	4.4	12.0	73	264	100.0	0.0
a. Adrenocortical	0	1	1	2	0	4	4	0.1	2.4	0.1	0.6	-	0.1	0.1	0.2	-	0.1	0.1	2	2	100.0	0.0
b. Thyroid	0	1	13	63	331	77	408	1.8	46.4	6.5	60.3	-	0.1	1.2	5.4	24.8	2.0	7.1	34	158	100.0	0.0
c. Nasopharyngeal	0	0	1	9	20	10	30	0.2	6.0	0.5	4.4	-	-	0.1	0.8	1.5	0.3	0.5	4	12	100.0	0.0
d. Melanoma	0	2	1	8	12	11	23	0.3	6.6	0.4	3.4	-	0.2	0.1	0.7	0.9	0.3	0.4	5	9	100.0	0.0
e. Skin carcinoma	0	0	4	1	1	5	6	0.1	3.0	0.1	0.9	-	-	0.4	0.1	0.1	0.1	0.1	2	3	100.0	0.0
f. Other & unspecified	1	3	11	44	147	59	206	1.4	35.5	3.3	30.4	0.5	0.4	1.1	3.7	11.0	1.6	3.7	26	81	100.0	0.0
<b>XII OTHER &amp; UNSPECIFIED</b>	33	45	11	14	43	103	146	2.5	100.0	2.3	100.0	17.1	5.6	1.1	1.2	3.2	3.7	3.6	50	66	25.3	14.4
a. Other specified	1	6	2	1	8	10	18	0.2	9.7	0.3	12.3	0.5	0.7	0.2	0.1	0.6	0.4	0.4	5	8	100.0	0.0
b. Other unspecified	32	39	9	13	35	93	128	2.2	90.3	2.0	87.7	16.6	4.9	0.9	1.1	2.6	3.4	3.2	45	59	14.8	16.4
<b>TOTAL</b>	558	1295	991	1338	2092	4182	6274	100.0	100.0	100.0	100.0	289.7	161.3	94.9	113.9	156.7	135.7	140.4	1974	2758	90.9	2.0

Please consult the quality indicators for this registry

## REPUBLIC-OF-KOREA, Seoul (1995-2012)

	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		
<b>I LEUKAEMIA</b>	62	311	249	241	263	863	1126	53.9	50.2	1.5	1.5	67	190	148	167	174	572	746	39.1	36.5				
a. Lymphoid	19	228	161	129	102	537	639	34.0	29.7	1.5	1.6	30	138	102	86	52	356	408	24.7	21.0				
b. Acute myeloid	27	50	60	72	80	209	289	12.7	12.4	1.6	1.4	15	32	29	55	81	131	212	8.6	9.5				
c. CMD	4	7	10	16	47	37	84	2.2	3.2	1.6	2.3	4	6	4	9	14	23	37	1.5	1.7				
d. MDS & other	4	10	10	7	16	31	47	2.0	2.0	2.1	2.0	4	2	3	6	9	15	24	1.0	1.1				
e. Unspecified	8	16	8	17	18	49	67	3.1	3.0	1.0	1.0	14	12	10	11	18	47	65	3.3	3.2				
<b>II LYMPHOMA &amp; RELATED</b>	11	65	101	129	178	306	484	17.7	19.5	2.0	1.9	13	45	37	60	95	155	250	10.2	11.3				
a. Hodgkin	0	3	5	12	47	20	67	1.1	2.4	1.0	1.5	0	0	2	18	26	20	46	1.1	1.7				
b. Non-Hodgkin except BL	3	23	49	75	111	150	261	8.4	10.1	2.4	2.3	2	10	19	32	52	63	115	3.9	4.8				
c. Burkitt (BL)	1	10	22	24	8	57	65	3.2	2.8	4.4	4.3	0	7	4	2	2	13	15	0.9	0.8				
d. Lymphoreticular	5	22	8	8	3	43	46	2.9	2.3	1.1	1.1	10	21	5	3	2	39	41	3.0	2.4				
e. Unspecified	2	7	17	10	9	36	45	2.1	2.0	1.8	1.4	1	7	7	5	13	20	33	1.4	1.5				
<b>III CNS NEOPLASMS</b>	31	87	100	95	114	313	427	19.2	18.5	1.2	1.2	22	70	86	94	77	272	349	17.9	16.6				
a. Ependymoma	2	11	3	2	11	18	29	1.2	1.3	0.6	0.9	2	14	9	3	5	28	33	2.0	1.8				
b. Astrocytoma	6	6	13	25	29	50	79	2.8	3.1	0.8	0.9	3	13	15	33	28	64	92	4.0	4.1				
c. CNS embryonal	13	38	49	23	19	123	142	7.8	6.6	1.3	1.3	10	27	30	27	14	94	108	6.4	5.4				
d. Other gliomas	3	6	14	18	18	41	59	2.3	2.4	1.5	1.5	0	9	7	11	13	27	40	1.8	1.8				
e. Other specified	0	2	2	2	2	6	8	0.4	0.3	1.5	1.6	0	1	2	1	1	4	5	0.3	0.2				
f. Unspecified CNS	7	24	19	25	35	75	110	4.6	4.7	1.4	1.5	7	6	23	19	16	55	71	3.5	3.3				
<b>IV NEUROBLASTOMA</b>	66	76	21	2	8	165	173	11.9	9.5	1.2	1.2	55	66	16	3	9	140	149	11.0	8.8				
a. (Ganglio)neuroblastoma	66	76	19	0	5	161	166	11.7	9.3	1.2	1.2	55	65	16	2	4	138	142	10.9	8.6				
b. Peripheral nervous	0	0	2	2	3	4	7	0.2	0.3	2.0	1.0	0	1	0	1	5	2	7	0.1	0.3				
<b>V RETINOBLASTOMA</b>	26	42	3	0	0	71	71	5.3	4.1	1.3	1.3	17	34	4	0	0	55	55	4.4	3.4				
<b>VI RENAL TUMOURS</b>	20	35	9	4	13	68	81	4.8	4.2	0.9	1.0	20	41	10	1	9	72	81	5.6	4.7				
a. Nephroblastoma	18	32	7	3	3	60	63	4.3	3.4	1.0	1.0	17	37	8	0	0	62	62	4.9	3.8				
b. Renal carcinoma	0	1	1	1	8	3	11	0.2	0.4	1.0	1.0	0	0	2	1	8	3	11	0.2	0.4				
c. Unspecified	2	2	1	0	2	5	7	0.4	0.3	0.7	0.9	3	4	0	0	1	7	8	0.6	0.5				
<b>VII HEPATIC TUMOURS</b>	20	22	6	11	20	59	79	4.0	3.8	1.5	1.8	11	17	8	3	6	39	45	2.9	2.5				
a. Hepatoblastoma	16	16	4	3	1	39	40	2.8	2.2	1.7	1.7	10	10	3	0	0	23	23	1.8	1.4				
b. Hepatic carcinoma	0	1	2	6	17	9	26	0.5	0.9	0.8	1.5	1	4	3	3	6	11	17	0.8	0.8				
c. Unspecified	4	5	0	2	2	11	13	0.8	0.7	2.2	2.6	0	3	2	0	0	5	5	0.4	0.3				
<b>VIII BONE TUMOURS</b>	1	10	28	80	131	119	250	6.2	9.1	1.3	1.7	2	8	25	58	58	93	151	5.5	6.3				
a. Osteosarcoma	1	3	22	65	93	91	184	4.6	6.6	1.4	1.7	1	0	14	50	43	65	108	3.6	4.3				
b. Chondrosarcoma	0	0	0	4	6	4	10	0.2	0.3	4.0	2.0	0	0	0	1	4	1	5	0.1	0.2				
c. Ewing & related	0	4	3	7	20	14	34	0.8	1.3	0.8	1.4	1	5	8	4	6	18	24	1.2	1.2				
d. Other specified	0	1	2	1	6	4	10	0.2	0.4	0.6	1.1	0	2	3	2	2	7	9	0.5	0.4				
e. Unspecified	0	2	1	3	6	6	12	0.3	0.5	3.0	2.4	0	1	0	1	3	2	5	0.1	0.2				
<b>IX SOFT TISSUE SARCOMA</b>	17	48	26	48	81	139	220	8.6	9.3	1.4	1.4	7	23	20	46	59	96	155	6.1	6.8				
a. Rhabdomyosarcoma	6	35	17	15	18	73	91	4.8	4.3	1.4	1.5	5	17	12	19	9	53	62	3.6	3.1				
b. Fibrosarcoma	6	3	1	0	11	10	21	0.7	0.9	1.7	1.2	0	0	1	5	12	6	18	0.3	0.7				
c. Kaposi sarcoma	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
d. Other specified	4	9	3	27	41	43	84	2.4	3.2	1.5	1.4	2	3	5	19	33	29	62	1.7	2.5				
e. Unspecified	1	1	5	6	11	13	24	0.7	0.9	1.6	1.8	0	3	2	3	5	8	13	0.5	0.6				
<b>X GERM CELL TUMOURS</b>	34	37	14	63	98	148	246	9.1	10.2	0.9	0.8	22	16	38	92	145	168	313	10.3	13.1				
a. CNS germ cell	1	2	12	53	42	68	110	3.4	4.0	1.7	2.3	2	0	17	21	8	40	48	2.4	2.1				
b. Other extragonadal	13	0	1	6	19	20	39	1.3	1.6	0.6	1.1	20	8	3	1	4	32	36	2.5	2.1				
c. Gonadal germ cell	19	34	1	3	36	57	93	4.2	4.4	0.7	0.5	0	8	16	59	88	83	171	4.8	6.8				
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	5	38	5	43	0.3	1.5				
e. Unspecified gonadal	1	1	0	1	1	3	4	0.2	0.2	0.4	0.3	0	0	2	6	7	8	15	0.4	0.6				
<b>XI CARCINOMA &amp; MELANOMA</b>	0	1	16	42	154	59	213	3.0	7.3	0.6	0.5	1	6	15	85	357	107	464	6.0	17.2				
a. Adrenocortical	0	1	0	0	0	1	1	0.1	0.1	0.3	0.3	0	0	1	2	0	3	3	0.2	0.1				
b. Thyroid	0	0	6	9	61	15	76	0.8	2.6	0.2	0.2	0	1	7	54	270	62	332	3.4	12.1				
c. Nasopharyngeal	0	0	1	8	15	9	24	0.4	0.8	9.0	4.0	0	0	0	1	5	1	6	0.1	0.2				
d. Melanoma	0	0	0	4	9	4	13	0.2	0.4	0.6	1.3	0	2	1	4	3	7	10	0.4	0.4				
e. Skin carcinoma	0	0	3	0	0	3	3	0.2	0.1	1.5	1.0	0	0	1	1	1	2	3	0.1	0.1				
f. Other & unspecified	0	0	6	21	69	27	96	1.3	3.3	0.8	0.9	1	3	5	23	78	32	110	1.8	4.2				
<b>XII OTHER &amp; UNSPECIFIED</b>	21	29	6	4	22	60	82	4.3	4.0	1.4	1.3	12	16	5	10	21	43	64	3.1	3.2				
a. Other specified	1	3	2	0	3	6	9	0.4	0.4	1.5	1.0	0	3	0	1	5	4	9	0.3	0.4				
b. Other unspecified	20	26	4	4	19	54	73	3.9	3.6	1.4	1.3	12	13	5	9	16	39	55	2.8	2.7				
<b>TOTAL</b>	309	763	579	719	1082	2370	3452	148.1	149.6	1.3	1.2	249	532	412	619	1010	1812	2822	122.3	130.4				

Please consult the quality indicators for this registry

## REPUBLIC-OF-KOREA, Seoul (1995-2012)

	Age group	Males	Females
Person-years	0	999 470	926 948
	1-4	4 178 098	3 852 562
	5-9	5 473 498	4 973 068
	10-14	6 178 540	5 567 923
	15-19	6 977 254	6 371 504
Total	0-14	16 829 606	15 320 501
	0-19	23 806 860	21 692 005
Average annual population	0-14	934 978	851 139
	0-19	1 322 603	1 205 111

Please consult the quality indicators for this registry