

S5 Table. Five-year relative survival rates for Korean adolescents and young adults according to the time period of cancer diagnosis: male

Site group	1993-1995		1996-2000		2001-2005		2006-2010		2012-2016		Change	p-value
	Cases	RSR	Cases	RSR	Cases	RSR	Cases	RSR	Cases	RSR		
All cancers	8,534	47.6	16,960	53.2	18,266	63.7	22,996	77.3	26,182	84.9	37.3	*
All cancers (excluding thyroid carcinoma)	8,268	46.0	16,262	51.3	16,668	60.3	17,238	69.7	16,802	76.1	30.1	*
1 Leukemias	844	25.3	1495	33.3	1576	48.6	1572	60.6	1,644	69.5	44.2	*
1.1 Acute lymphoid leukemia	206	18.6	369	24.3	352	30.8	380	44.4	357	52.7	34.1	*
1.2 Acute myeloid leukemia	357	25.6	673	31.5	683	43.6	652	53.2	671	61.2	35.6	*
1.3 Chronic myeloid leukemia	163	39.1	297	50.9	361	76.3	367	90.4	455	96.1	57.0	*
1.4 Other and unspecified leukemia	118	17.1	156	29.1	180	46.4	173	61.6	161	67.2	50.1	*
2 Lymphomas	602	55.1	1,294	60.7	1,424	69.9	1,655	80.8	1,792	86.0	30.9	*
2.1 Non-Hodgkin lymphoma	534	52.1	1,158	57.9	1,232	67.5	1,427	79.2	1,487	84.5	32.4	*
2.2 Hodgkin lymphoma	68	78.7	136	84.5	192	85.3	228	91.2	305	93.3	14.6	*
3 CNS and other intracranial and intraspinal neoplasms	477	52.8	831	53.0	898	56.8	887	62.1	799	62.7	9.9	*
3.1. Astrocytoma	238	40.8	380	39.3	372	39.2	359	44.2	363	45.3	4.5	-
3.1.1 Specified low-grade astrocytic tumors	12	75.9	40	55.5	46	67.8	33	64.0	32	76.0	0.1	-
3.1.2 Glioblastoma and anaplastic astrocytoma	146	27.0	214	27.3	231	22.2	231	28.3	230	27.5	0.5	-
3.1.3 Astrocytoma, NOS	80	60.7	126	54.4	95	66.7	95	76.2	101	32	-28.7	*
3.2 Other glioma	104	74.9	156	64.7	213	70.9	253	73.5	247	74.1	-0.8	-
3.3 Ependymoma	13	85.4	58	88.6	50	84.4	75	89.8	64	88.6	3.2	-
3.4. Medulloblastoma and other PNET	11	45.8	50	46.2	61	42.8	59	39.1	41	59.0	13.2	-
3.4.1 Medulloblastoma	7	57.6	19	52.9	24	58.5	22	54.7	16	84.4	26.8	-
3.4.2 Supratentorial PNET	< 5	25.1	31	42.2	37	32.6	37	29.8	25	43.8	18.7	-
3.5 Other specified intracranial and intraspinal neoplasms	16	63.3	27	73.7	23	78.7	28	86.2	34	76.9	13.6	-
3.6 Unspecified intracranial and intraspinal neoplasms	95	53.2	160	59.8	179	70.8	113	80.9	50	88.0	34.8	*
4 Osseous and chondromatous neoplasms	219	51.6	454	64.9	423	67.4	427	74.1	429	77.4	25.8	*
4.1 Osteosarcoma	132	42.8	233	59.5	215	60.2	205	70.5	199	73.0	30.2	*
4.2 Chondrosarcoma	29	83.6	84	84.0	88	92.6	92	87.4	121	84.6	1.0	-
4.3 Ewing tumor	20	40.3	58	38.2	52	42.5	61	51.0	49	55.4	15.1	*
4.4 Other specified and unspecified bone tumors	38	63.8	79	80.4	68	76.9	69	87.3	60	96.7	32.9	*
5 Soft tissue sarcomas	266	53.2	549	61.5	642	67.7	740	72.1	793	78.0	24.8	*
5.1 Fibromatous neoplasms	61	79.6	139	79.1	164	86.5	222	92.3	251	97.3	17.7	*
5.2 Rhabdomyosarcoma	29	17.4	56	37.7	54	37.2	49	36.9	50	45.3	27.9	*
5.3 Other soft tissue sarcoma	176	50.0	354	58.4	424	64.3	469	66.2	492	71.5	21.5	*
5.3.1 Specified soft tissue sarcoma	148	54.6	291	62.0	364	66.9	387	68.8	397	74.5	19.9	*
5.3.2 Unspecified soft tissue sarcoma	28	25.3	63	41.6	60	48.6	82	53.9	95	58.9	33.6	*
6 Germ cell and trophoblastic neoplasms	151	78.2	479	84.1	699	88.1	922	91.2	1,213	92.2	14.0	*
6.1 Germ cell and trophoblastic neoplasms of gonads	93	90.2	295	91.2	471	92.0	635	96.2	872	97.2	7.0	*
6.2 Germ cell and trophoblastic neoplasms of nongonadal sites	58	59.0	184	72.7	228	80.1	287	80.0	341	79.5	20.5	*
6.2.1 Intracranial	26	73.5	116	79.7	149	81.4	164	91.1	194	88.4	14.9	*
6.2.2 Other nongonadal	32	47.2	68	60.6	79	77.5	123	65.3	147	67.8	20.6	-
7 Melanoma and skin carcinomas	118	70.4	229	64.0	230	77.5	296	84.6	316	88.5	18.1	*

7.1 Melanoma	39	57.2	102	37.6	96	56.6	102	63.1	99	75.6	18.4	*
7.2 Skin carcinomas	79	77.0	127	85.2	134	92.4	194	96.0	217	94.5	17.5	*
8 Carcinomas	4,718	52.0	10,228	53.9	11,291	63.8	15,463	79.2	18,021	87.4	35.4	*
8.1 Thyroid carcinoma	266	98.5	698	98.3	1,598	99.7	5,758	100.2	9,380	100.1	1.6	*
8.2 Other carcinoma of head and neck	246	61.3	498	67.7	578	74.6	599	80.4	707	84.7	23.4	*
8.2.1 Nasopharyngeal carcinoma	75	62.0	179	60.3	162	72.7	170	74.6	168	86.6	24.6	*
8.2.2 Other sites in lip, oral cavity and pharynx	114	62.2	240	74.1	331	75.7	355	82.7	479	84.3	22.1	*
8.2.3 Nasal cavity, middle ear, sinuses, larynx, other ill-defined head/neck	57	58.7	79	65.3	85	73.5	74	83.0	60	82.8	24.1	*
8.3 Carcinoma of trachea, bronchus, and lung	306	18.6	521	20.2	535	27.3	493	31.8	488	44.7	26.1	*
8.4 Carcinoma of breast	7	101.6	19	90.4	18	95.2	16	88.0	14	100.5	-1.1	-
8.5 Carcinoma of genitourinary tract	294	87.6	708	87.3	870	91.6	1,143	93.2	1,398	92.8	5.2	*
8.5.1 Carcinoma of kidney	107	87.3	334	86.3	500	91.3	820	93.1	1,133	94.3	7.0	*
8.5.2 Carcinoma of bladder	160	92.5	313	90.1	307	93.8	270	95.8	220	85.9	-6.6	-
8.5.3 Carcinoma of gonads	5	40.3	6	84.0	5	100.5	< 5	100.4	8	87.8	47.5	-
8.5.4 Carcinoma of cervix and uterus	-	-	-	-	-	-	-	-	-	-	-	-
8.5.5 Carcinoma of other and ill-defined sites, genitourinary tract	22	64.5	55	77.3	58	81.7	52	81.3	37	89.4	24.9	
8.6 Carcinoma of gastrointestinal tract	3,426	48.6	7,490	48.5	7,417	55.0	7,239	64.0	5,795	69.7	21.1	*
8.6.1 Carcinoma of colon and rectum	662	60.6	1,466	63.6	1,688	71.8	2,257	81.3	2,330	84.6	24.0	*
8.6.2 Carcinoma of stomach	1,976	55.5	3,837	58.6	3,507	64.7	3,021	69.9	1,994	75.0	19.5	*
8.6.3 Carcinoma of liver and intrahepatic bile ducts	617	19.4	1,896	20.0	1,965	26.3	1,650	34.5	1,137	36.7	17.3	*
8.6.4 Carcinoma of pancreas	57	14.2	116	10.4	118	16.2	152	21.2	187	35.8	21.6	*
8.6.5 Carcinoma of other and ill-defined sites, gastrointestinal tract	114	35.6	175	37.6	139	44.2	159	52.6	147	56.9	21.3	*
8.7 Carcinoma of other and ill-defined sites	173	29.3	294	39.1	275	49.4	215	59.9	239	71.0	41.7	*
8.7.1 Adrenocortical carcinoma	12	50.8	24	46.2	15	53.7	19	63.5	15	56.6	5.8	-
8.7.2 Carcinoma of other and ill-defined sites, NOS	161	27.7	270	38.5	260	49.2	196	59.5	224	71.8	44.1	*
9 Miscellaneous specified neoplasms, NOS	116	53.2	213	55.9	456	75.5	675	78.8	828	83.8	30.6	*
9.1 Other pediatric and embryonal tumors, NOS	25	36.3	34	32.6	45	55.8	38	58.1	26	74.1	37.8	*
9.1.1 Wilms tumor	< 5	101.2	5	60.4	6	100.4	5	100.5	< 5	0.0	-101.2	-
9.1.2 Neuroblastoma	7	43.2	12	25.1	11	54.8	10	60.2	5	75.2	32.0	-
9.1.3 Other pediatric and embryonal tumors, NOS	15	20.2	17	29.6	28	46.6	23	48.0	17	75.0	54.8	*
9.2 Other specified and embryonal tumors, NOS	91	57.8	179	60.3	411	77.6	637	80.0	802	84.1	26.3	*
9.2.1 Paraganglioma and glomus tumors	6	101.3	13	77.5	15	87.1	27	89.3	26	96.5	-4.8	-
9.2.2 Other specified gonadal tumors	0	0.0	< 5	100.5	< 5	100.7	< 5	100.4	9	73.7	-	-
9.2.3 Myeloma, mast cell, miscellaneous lymphoreticular neoplasms, NOS	51	45.6	71	39.8	89	63.4	107	77.1	218	83.3	37.7	*
9.2.4 Other specified neoplasms, NOS	34	68.4	94	73.0	306	81.2	502	80.1	549	84.1	15.7	*
10 Unspecified malignant neoplasms	1,023	28.9	1,188	40.6	627	50.4	359	60.0	347	70.6	41.7	*

CNS, central nervous system; NOS, not otherwise specified; PNET, primitive neuroectodermal tumor; RSR, relative survival rate. *p < 0.05.