

S4 Table. Five-year relative survival rates for Korean adolescents and young adults according to the time period of cancer diagnosis: male and female

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	23,093	62.1	46,315	66.9	55,123	76.5	79,900	86.7	88,038	90.8	28.7	*
All cancers (excluding thyroid carcinoma)	21,039	58.4	41,391	63.0	43,231	70.0	45,737	76.6	45,020	81.4	23.0	*
1 Leukemias	1,460	25.8	2,656	36.1	2,700	49.3	2,716	60.7	2,649	68.4	42.6	*
1.1 Acute lymphoid leukemia	340	18.3	644	26.4	579	33.1	633	43.4	581	52.6	34.3	*
1.2 Acute myeloid leukemia	670	26.4	1,246	36.9	1,295	45.6	1,194	54.9	1,151	61.5	35.1	*
1.3 Chronic myeloid leukemia	258	38.7	486	51.3	532	78.4	573	90.6	655	96.4	57.7	*
1.4 Other and unspecified leukemia	192	19.4	280	28.8	294	44.8	316	62.9	262	65.6	46.2	*
2 Lymphomas	979	56.9	2,104	64.6	2,499	73.6	2,928	83.2	3,192	88.7	31.8	*
2.1 Non-Hodgkin lymphoma	854	53.7	1,873	62.0	2,162	71.2	2,516	81.7	2,636	87.3	33.6	*
2.2 Hodgkin lymphoma	125	78.1	231	85.8	337	88.5	412	92.5	556	95.4	17.3	*
3 CNS and other intracranial and intraspinal neoplasms	796	54.2	1,458	54.0	1,602	58.5	1,602	64.7	1,422	65.5	11.3	*
3.1 Astrocytoma	387	44.6	671	41.4	676	42.5	662	47.9	622	46.0	1.4	*
3.1.1 Specified low-grade astrocytic tumors	20	80.7	72	58.7	79	71.2	69	75.6	55	74.8	-5.9	-
3.1.2 Glioblastoma and anaplastic astrocytoma	217	29.8	375	28.5	417	27.9	429	31.8	400	30.3	0.5	-
3.1.3 Astrocytoma, NOS	150	61.1	224	57.5	180	63.6	164	78.4	167	74.1	13.0	*
3.2 Other glioma	163	67.5	256	64.9	381	70.2	447	76.2	447	77.2	9.7	*
3.3 Ependymoma	29	83.3	93	86.4	100	87.3	132	91.3	128	91.8	8.5	-
3.4 Medulloblastoma and other PNET	22	50.2	100	50.2	109	50.6	107	48.7	67	59.9	9.7	-
3.4.1 Medulloblastoma	15	53.6	40	60.2	47	68.3	43	56.0	24	85.8	32.2	-
3.4.2 Supratentorial PNET	7	43.1	60	43.5	62	37.2	64	43.9	43	46.1	3.0	-
3.5 Other specified intracranial and intraspinal neoplasms	31	74.8	56	73.2	46	69.8	48	81.6	51	80.4	5.6	-
3.6 Unspecified intracranial and intraspinal neoplasms	164	55.2	282	61.0	290	71.7	206	80.9	107	92.6	37.4	*
4 Osseous and chondromatous neoplasms	372	53.0	762	66.7	716	69.7	693	74.4	737	77.1	24.1	*
4.1 Osteosarcoma	205	45.7	392	62.5	355	64.4	321	70.0	339	71.8	26.1	*
4.2 Chondrosarcoma	53	74.1	145	83.9	146	88.8	160	89.1	207	86.8	12.7	*
4.3 Ewing tumor	39	41.3	91	42.0	93	50.7	95	50.7	80	56.3	15.0	*
4.4 Other specified and unspecified bone tumors	75	78.8	134	77.3	122	76.5	117	85.8	111	91.1	12.3	*
5 Soft tissue sarcomas	530	60.8	1,089	64.1	1,258	71.4	1,384	74.4	1,550	79.3	18.5	*
5.1 Fibromatous neoplasms	109	80.4	240	81.3	330	89.5	429	93.4	499	98.2	17.8	*
5.2 Rhabdomyosarcoma	48	20.9	98	38.9	87	36.9	77	39.1	86	47.0	26.1	*
5.3 Other soft tissue sarcoma	373	60.2	751	61.9	841	67.8	878	68.2	965	72.9	12.7	*
5.3.1 Specified soft tissue sarcoma	329	63.7	623	65.1	708	70.1	719	70.1	779	74.9	11.2	*
5.3.2 Unspecified soft tissue sarcoma	44	34.4	128	46.4	133	55.9	159	59.3	186	64.5	30.1	*
6 Germ cell and trophoblastic neoplasms	413	83.5	1,074	88.2	1,254	90.1	1,471	92.6	1,771	93.4	9.9	*
6.1 Germ cell and trophoblastic neoplasms of gonads	263	89.5	685	93.7	857	94.2	1,007	96.3	1,284	97.3	7.8	*
6.2 Germ cell and trophoblastic neoplasms of	150	73.0	389	78.5	397	81.4	464	84.5	487	83.3	10.3	*

nongonadal sites												
6.2.1 Intracranial	34	71.0	139	79.5	167	80.5	195	91.5	223	89.5	18.5	*
6.2.2 Other nongonadal	116	73.6	250	77.9	230	82.0	269	79.4	264	78.1	4.5	-
7 Melanoma and skin carcinomas	214	67.5	402	66.7	437	78.0	574	85.2	562	88.5	21.0	*
7.1 Melanoma	87	46.4	192	44.6	194	59.0	223	67.6	205	77.7	31.3	*
7.2 Skin carcinomas	127	81.9	210	86.9	243	93.1	351	96.5	357	94.7	12.8	*
8 Carcinomas	15,761	67.6	33,365	70.1	42,008	79.3	66,061	89.0	73,502	92.7	25.1	*
8.1 Thyroid carcinoma	2,054	99.5	4,924	99.6	11,892	99.9	34,163	100.1	43,018	100.1	0.6	*
8.2 Other carcinoma of head and neck	427	68.4	852	73.1	1,006	78.4	1,059	81.9	1,212	86.7	18.3	*
8.2.1 Nasopharyngeal carcinoma	119	66.1	268	64.7	234	74.8	252	77.0	232	85.7	19.6	*
8.2.2 Other sites in lip, oral cavity and pharynx	223	72.7	470	79.3	642	80.8	685	84.2	886	87.6	14.9	*
8.2.3 Nasal cavity, middle ear, sinuses, larynx, other ill-defined head/neck	85	60.6	114	67.3	130	73.6	122	79.1	94	81.4	20.8	*
8.3 Carcinoma of trachea, bronchus, and lung	509	17.7	962	22.3	1,008	27.0	1,018	33.8	986	48.6	30.9	*
8.4 Carcinoma of breast	2,491	79.4	5,863	84.1	7,990	87.3	9,390	90.4	10,007	91.4	12.0	*
8.5 Carcinoma of genitourinary tract	3,743	84.9	7,195	86.6	6,512	89.2	6,870	89.0	7,258	88.9	4.0	*
8.5.1 Carcinoma of kidney	170	84.5	514	83.6	741	90.0	1,161	92.5	1,548	94.6	10.1	*
8.5.2 Carcinoma of bladder	206	89.4	376	88.1	403	93.6	342	95.3	292	85.7	-3.7	-
8.5.3 Carcinoma of gonads	515	76.0	945	75.7	914	80.4	999	78.9	983	81.5	5.5	*
8.5.4 Carcinoma of cervix and uterus	2,803	86.5	5,247	89.0	4,341	90.7	4,257	90.0	4,346	89.0	2.5	*
8.5.5 Carcinoma of other and ill-defined sites, genitourinary tract	49	69.9	113	74.9	113	80.1	111	84.2	89	80.4	10.5	*
8.6 Carcinoma of gastrointestinal tract	6,175	47.7	12,982	48.3	13,105	56.2	13,117	64.7	10,575	70.6	22.9	*
8.6.1 Carcinoma of colon and rectum	1,221	58.5	2,693	61.6	3,000	71.9	3,972	79.5	3,998	83.6	25.1	*
8.6.2 Carcinoma of stomach	3,880	50.8	7,391	53.1	7,162	60.7	6,455	67.2	4,468	72.4	21.6	*
8.6.3 Carcinoma of liver and intrahepatic bile ducts	760	20.1	2,381	21.8	2,431	27.5	2,104	35.3	1,502	38.9	18.8	*
8.6.4 Carcinoma of pancreas	122	35.5	195	22.2	222	26.7	278	28.2	358	46.4	10.9	*
8.6.5 Carcinoma of other and ill-defined sites, gastrointestinal tract	192	34.8	322	38.8	290	44.4	308	55.5	249	55.4	20.6	*
8.7 Carcinoma of other and ill-defined sites	362	34.5	587	36.4	495	46.3	444	61.8	446	68.8	34.3	*
8.7.1 Adrenocortical carcinoma	24	58.9	37	46.3	29	38.1	43	63.0	38	56.2	-2.7	-
8.7.2 Carcinoma of other and ill-defined sites, NOS	338	32.8	550	35.7	466	46.8	401	61.6	408	69.9	37.1	*
9 Miscellaneous specified neoplasms, NOS	300	64.4	609	74.9	1,064	81.5	1,446	82.6	1,678	87.4	23.0	*
9.1 Other pediatric and embryonal tumors, NOS	42	33.6	62	43.7	85	60.2	77	63.8	54	77.9	44.3	*
9.1.1 Wilms tumor	5	80.8	11	73.0	17	94.4	10	100.4	< 5	0.0	-80.8	-
9.1.2 Neuroblastoma	12	25.2	16	25.1	17	53.2	22	72.9	12	76.7	51.5	*
9.1.3 Other pediatric and embryonal tumors, NOS	25	28.2	35	43.0	51	51.2	45	51.3	38	80.0	51.8	*
9.2 Other specified and embryonal tumors, NOS	258	69.5	547	78.5	979	83.3	1,369	83.7	1,624	87.7	18.2	*
9.2.1 Paraganglioma and glomus tumors	9	89.9	30	80.5	38	87.2	46	89.5	44	95.8	5.9	-
9.2.2 Other specified gonadal tumors	15	87.1	57	88.0	65	94.2	56	89.5	66	96.0	8.9	-
9.2.3 Myeloma, mast cell, miscellaneous lymphoreticular neoplasms, NOS	86	43.4	111	42.7	130	63.5	176	77.6	317	82.7	39.3	*

9.2.4 Other specified neoplasms, NOS	148	81.6	349	88.1	746	85.6	1,091	84.1	1,197	88.3	6.7	-
10 Unspecified malignant neoplasms	2,268	49.2	2,796	57.7	1,585	63.5	1,025	72.2	975	78.5	29.3	*

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