

THE NETHERLANDS (1993-2013)

	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	0-19			0-14	0-19
I LEUKAEMIA	167	1334	772	574	508	2847	3355	30.9	100.0	24.3	100.0	41.6	81.6	37.5	28.2	25.1	48.8	43.5	697	822	100.0	0.0
a. Lymphoid	77	1109	650	393	283	2229	2512	24.2	78.3	18.2	74.9	19.2	67.8	31.6	19.3	14.0	38.3	32.8	545	615	100.0	0.0
b. Acute myeloid	62	180	80	130	148	452	600	4.9	15.9	4.3	17.9	15.4	11.0	3.9	6.4	7.3	7.7	7.6	111	147	100.0	0.0
c. CMD	3	4	17	19	46	43	89	0.5	1.5	0.6	2.7	0.7	0.2	0.8	0.9	2.3	0.7	1.0	11	22	100.0	0.0
d. MDS & other	24	38	23	26	27	111	138	1.2	3.9	1.0	4.1	6.0	2.3	1.1	1.3	1.3	1.9	1.8	27	34	100.0	0.0
e. Unspecified	1	3	2	6	4	12	16	0.1	0.4	0.1	0.5	0.2	0.2	0.1	0.3	0.2	0.2	0.2	3	4	100.0	0.0
II LYMPHOMA & RELATED	33	191	326	519	1098	1069	2167	11.6	100.0	15.7	100.0	8.2	11.7	15.8	25.5	54.2	16.8	25.2	262	532	100.0	0.0
a. Hodgkin	0	16	77	268	761	361	1122	3.9	33.8	8.1	51.8	-	1.0	3.7	13.2	37.6	5.3	12.6	88	276	100.0	0.0
b. Non-Hodgkin except BL	9	75	124	162	283	370	653	4.0	34.6	4.7	30.1	2.2	4.6	6.0	8.0	14.0	5.8	7.7	90	160	100.0	0.0
c. Burkitt (BL)	1	64	114	82	43	261	304	2.8	24.4	2.2	14.0	0.2	3.9	5.5	4.0	2.1	4.2	3.7	64	74	100.0	0.0
d. Lymphoreticular	23	36	10	6	8	75	83	0.8	7.0	0.6	3.8	5.7	2.2	0.5	0.3	0.4	1.4	1.1	18	20	100.0	0.0
e. Unspecified	0	0	1	1	3	2	5	0.0	0.2	0.0	0.2	-	-	0.0	0.0	0.1	0.0	0.1	0	1	100.0	0.0
III CNS NEOPLASMS †	124	624	706	609	618	2063	2681	22.4	100.0	19.4	100.0	30.9	38.2	34.3	29.9	30.5	34.0	33.2	504	657	82.7	0.0
a. Ependymoma	23	106	53	52	51	234	285	2.5	11.3	2.1	10.6	5.7	6.5	2.6	2.6	2.5	4.0	3.7	57	70	99.6	0.0
b. Astrocytoma	42	215	287	241	227	785	1012	8.5	38.1	7.3	37.7	10.5	13.1	13.9	11.8	11.2	12.8	12.5	192	248	90.2	0.0
c. CNS embryonal	32	164	153	81	43	430	473	4.7	20.8	3.4	17.6	8.0	10.0	7.4	4.0	2.1	7.3	6.1	105	116	100.0	0.0
d. Other gliomas	6	52	86	61	40	205	245	2.2	9.9	1.8	9.1	1.5	3.2	4.2	3.0	2.0	3.3	3.0	50	60	51.4	0.0
e. Other specified	13	56	88	139	228	296	524	3.2	14.3	3.8	19.5	3.2	3.4	4.3	6.8	11.3	4.7	6.2	72	129	80.3	0.0
f. Unspecified CNS	8	31	39	35	29	113	142	1.2	5.5	1.0	5.3	2.0	1.9	1.9	1.7	1.4	1.9	1.8	28	35	0.7	0.0
IV NEUROBLASTOMA	167	224	40	14	9	445	454	4.8	100.0	3.3	100.0	41.6	13.7	1.9	0.7	0.4	8.3	6.5	109	111	98.5	0.0
a. (Ganglio)neuroblastoma	167	222	36	10	4	435	439	4.7	97.8	3.2	96.7	41.6	13.6	1.7	0.5	0.2	8.1	6.3	107	108	98.4	0.0
b. Peripheral nervous	0	2	4	4	5	10	15	0.1	2.2	0.1	3.3	-	0.1	0.2	0.2	0.2	0.2	0.2	2	4	100.0	0.0
V RETINOBLASTOMA	109	133	18	1	0	261	261	2.8	100.0	1.9	100.0	27.1	8.1	0.9	0.0	-	4.9	3.8	64	64	80.8	0.0
VI RENAL TUMOURS	69	347	109	19	20	544	564	5.9	100.0	4.1	100.0	17.2	21.2	5.3	0.9	1.0	9.9	7.9	133	138	96.5	0.0
a. Nephroblastoma	69	346	104	16	6	535	541	5.8	98.3	3.9	95.9	17.2	21.2	5.0	0.8	0.3	9.7	7.6	131	133	96.3	0.0
b. Renal carcinoma	0	1	5	3	14	9	23	0.1	1.7	0.2	4.1	-	0.1	0.2	0.1	0.7	0.1	0.3	2	6	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	39	56	26	13	22	134	156	1.5	100.0	1.1	100.0	9.7	3.4	1.3	0.6	1.1	2.4	2.1	33	38	98.7	0.0
a. Hepatoblastoma	38	53	19	3	2	113	115	1.2	84.3	0.8	73.7	9.5	3.2	0.9	0.1	0.1	2.1	1.6	28	28	98.3	0.0
b. Hepatic carcinoma	1	3	7	10	20	21	41	0.2	15.7	0.3	26.3	0.2	0.2	0.3	0.5	1.0	0.3	0.5	5	10	100.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIII BONE TUMOURS	3	33	144	292	340	472	812	5.1	100.0	5.9	100.0	0.7	2.0	7.0	14.3	16.8	7.1	9.3	115	199	100.0	0.0
a. Osteosarcoma	0	3	59	153	191	215	406	2.3	45.6	2.9	50.0	-	0.2	2.9	7.5	9.4	3.2	4.6	53	100	100.0	0.0
b. Chondrosarcoma	0	0	1	4	21	5	26	0.1	1.1	0.2	3.2	-	-	0.0	0.2	1.0	0.1	0.3	1	6	100.0	0.0
c. Ewing & related	3	26	66	101	100	196	296	2.1	41.5	2.1	36.5	0.7	1.6	3.2	5.0	4.9	3.0	3.5	48	73	100.0	0.0
d. Other specified	0	4	17	31	26	52	78	0.6	11.0	0.6	9.6	-	0.2	0.8	1.5	1.3	0.8	0.9	13	19	100.0	0.0
e. Unspecified	0	0	1	3	2	4	6	0.0	0.8	0.0	0.7	-	-	0.0	0.1	0.1	0.1	0.1	1	1	100.0	0.0
IX SOFT TISSUE SARCOMA	51	190	154	154	315	549	864	5.9	100.0	6.3	100.0	12.7	11.6	7.5	7.6	15.5	9.2	10.6	134	212	100.0	0.0
a. Rhabdomyosarcoma	22	151	102	55	69	330	399	3.6	60.1	2.9	46.2	5.5	9.2	5.0	2.7	3.4	5.7	5.2	81	98	100.0	0.0
b. Fibrosarcoma	10	3	3	12	11	28	39	0.3	5.1	0.3	4.5	2.5	0.2	0.1	0.6	0.5	0.5	0.5	7	10	100.0	0.0
c. Kaposi sarcoma	0	0	1	0	5	1	6	0.0	0.2	0.0	0.7	-	-	0.0	-	0.2	0.0	0.1	0	1	100.0	0.0
d. Other specified	14	28	42	75	203	159	362	1.7	29.0	2.6	41.9	3.5	1.7	2.0	3.7	10.0	2.5	4.2	39	89	100.0	0.0
e. Unspecified	5	8	6	12	27	31	58	0.3	5.6	0.4	6.7	1.2	0.5	0.3	0.6	1.3	0.5	0.7	8	14	100.0	0.0
X GERM CELL TUMOURS	80	58	45	130	630	313	943	3.4	100.0	6.8	100.0	19.9	3.5	2.2	6.4	31.1	5.2	11.0	77	232	98.6	0.0
a. CNS germ cell ‡	14	7	25	43	47	89	136	1.0	28.4	1.0	14.4	3.5	0.4	1.2	2.1	2.3	1.4	1.6	22	33	96.6	0.0
b. Other extragonadal	50	34	0	4	21	88	109	1.0	28.1	0.8	11.6	12.4	2.1	-	0.2	1.0	1.7	1.5	22	27	100.0	0.0
c. Gonadal germ cell	16	16	18	79	537	129	666	1.4	41.2	4.8	70.6	4.0	1.0	0.9	3.9	26.5	2.0	7.5	32	164	99.4	0.0
d. Gonadal carcinoma	0	0	0	4	18	4	22	0.0	1.3	0.2	2.3	-	-	-	0.2	0.9	0.1	0.2	1	5	100.0	0.0
e. Unspecified gonadal	0	1	2	0	7	3	10	0.0	1.0	0.1	1.1	-	0.1	0.1	-	0.3	0.1	0.1	1	2	70.0	0.0
XI CARCINOMA & MELANOMA	8	50	97	353	1013	508	1521	5.5	100.0	11.0	100.0	2.0	3.1	4.7	17.3	50.0	7.7	17.2	124	374	99.8	0.0
a. Adrenocortical	0	8	1	1	4	10	14	0.1	2.0	0.1	0.9	-	0.5	0.0	0.0	0.2	0.2	0.2	2	3	100.0	0.0
b. Thyroid	1	14	32	58	182	105	287	1.1	20.7	2.1	18.9	0.2	0.9	1.6	2.8	9.0	1.6	3.3	26	71	100.0	0.0
c. Nasopharyngeal	0	0	4	16	22	20	42	0.2	3.9	0.3	2.8	-	-	0.2	0.8	1.1	0.3	0.5	5	10	100.0	0.0
d. Melanoma	5	23	36	91	407	155	562	1.7	30.5	4.1	36.9	1.2	1.4	1.7	4.5	20.1	2.4	6.4	38	138	99.5	0.0
e. Skin carcinoma	1	1	5	11	17	18	35	0.2	3.5	0.3	2.3	0.2	0.1	0.2	0.5	0.8	0.3	0.4	4	9	100.0	0.0
f. Other & unspecified	1	4	19	176	381	200	581	2.2	39.4	4.2	38.2	0.2	0.2	0.9	8.6	18.8	2.9	6.5	49	143	100.0	0.0
XII OTHER & UNSPECIFIED	5	11	3	3	16	22	38	0.2	100.0	0.3	100.0	1.2	0.7	0.1	0.1	0.8	0.4	0.5	5	9	63.2	0.0
a. Other specified	2	7	2	3	9	14	23	0.2	63.6	0.2	60.5	0.5	0.4	0.1	0.1	0.4	0.2	0.3	3	6	100.0	0.0
b. Other unspecified	3	4	1	0	7	8	15	0.1	36.4	0.1	39.5	0.7	0.2	0.0	-	0.3	0.1	0.2	2	4	6.7	0.0
TOTAL	855	3251	2440	2681	4589	9227	13816	100.0	100.0	100.0	100.0	212.8	198.8	118.4	131.7	226.5	154.5	170.7	2258	3391	95.9	0.0

† includes 1177 non-malignant ‡ includes 17 non-malignant

Please consult the quality indicators for this registry

THE NETHERLANDS (1993-2013)

	Males										M/F ratio		Females									
	Number of cases in age groups									ASR per million		Number of cases in age groups									ASR per million	
	0	1-4	5-9	10-14	15-19	0-14	0-19	0-14	0-19			0	1-4	5-9	10-14	15-19	0-14	0-19				
I LEUKAEMIA	87	749	465	354	304	1655	1959	55.2	49.3	1.4	1.4	80	585	307	220	204	1192	1396	42.1	37.3		
a. Lymphoid	36	610	391	246	182	1283	1465	42.8	37.1	1.4	1.4	41	499	259	147	101	946	1047	33.6	28.3		
b. Acute myeloid	31	109	48	75	80	263	343	8.8	8.5	1.4	1.3	31	71	32	55	68	189	257	6.6	6.7		
c. CMD	3	2	13	14	22	32	54	1.0	1.2	2.9	1.5	0	2	4	5	24	11	35	0.4	0.8		
d. MDS & other	17	26	12	16	17	71	88	2.4	2.2	1.8	1.8	7	12	11	10	10	40	50	1.4	1.3		
e. Unspecified	0	2	1	3	3	6	9	0.2	0.2	1.0	1.3	1	1	1	3	1	6	7	0.2	0.2		
II LYMPHOMA & RELATED	9	136	244	313	565	702	1267	21.6	29.0	1.9	1.4	24	55	82	206	533	367	900	11.7	21.2		
a. Hodgkin	0	14	49	140	355	203	558	5.9	12.3	1.3	1.0	0	2	28	128	406	158	564	4.7	12.9		
b. Non-Hodgkin except BL	1	46	86	104	172	237	409	7.3	9.4	1.8	1.7	8	29	38	58	111	133	244	4.4	5.9		
c. Burkitt (BL)	0	55	101	62	33	218	251	6.9	6.0	5.1	4.7	1	9	13	20	10	43	53	1.4	1.3		
d. Lymphoreticular	8	21	7	6	4	42	46	1.5	1.2	1.3	1.2	15	15	3	0	4	33	37	1.3	1.1		
e. Unspecified	0	0	1	1	1	2	3	0.1	0.1	-	1.5	0	0	0	0	2	0	2	-	0.0		
III CNS NEOPLASMS †	67	309	368	333	311	1077	1388	34.5	33.5	1.1	1.1	57	315	338	276	307	986	1293	33.4	32.8		
a. Ependymoma	14	56	36	30	26	136	162	4.5	4.1	1.4	1.3	9	50	17	22	25	98	123	3.5	3.3		
b. Astrocytoma	16	98	146	125	128	385	513	12.2	12.2	1.0	1.0	26	117	141	116	99	400	499	13.5	12.7		
c. CNS embryonal	19	85	92	56	28	252	280	8.2	7.0	1.4	1.5	13	79	61	25	15	178	193	6.3	5.2		
d. Other gliomas	4	27	43	35	25	109	134	3.4	3.2	1.1	1.2	2	25	43	26	15	96	111	3.2	2.8		
e. Other specified	11	27	29	69	88	136	224	4.2	5.2	0.9	0.7	2	29	59	70	140	160	300	5.1	7.2		
f. Unspecified CNS	3	16	22	18	16	59	75	1.9	1.8	1.1	1.1	5	15	17	17	13	54	67	1.8	1.7		
IV NEUROBLASTOMA	86	127	21	6	4	240	244	8.7	6.8	1.2	1.2	81	97	19	8	5	205	210	7.8	6.1		
a. (Ganglio)neuroblastoma	86	125	19	5	2	235	237	8.6	6.7	1.2	1.2	81	97	17	5	2	200	202	7.6	5.9		
b. Peripheral nervous	0	2	2	1	2	5	7	0.2	0.2	1.0	0.9	0	0	2	3	3	5	8	0.2	0.2		
V RETINOBLASTOMA	62	71	11	1	0	145	145	5.3	4.1	1.3	1.3	47	62	7	0	0	116	116	4.5	3.5		
VI RENAL TUMOURS	36	176	56	5	8	273	281	9.7	7.7	1.0	1.0	33	171	53	14	12	271	283	10.0	8.1		
a. Nephroblastoma	36	176	53	4	2	269	271	9.6	7.5	1.0	1.0	33	170	51	12	4	266	270	9.9	7.8		
b. Renal carcinoma	0	0	3	1	6	4	10	0.1	0.2	0.8	0.8	0	1	2	2	8	5	13	0.2	0.3		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VII HEPATIC TUMOURS	25	32	13	8	13	78	91	2.7	2.4	1.4	1.4	14	24	13	5	9	56	65	2.0	1.8		
a. Hepatoblastoma	24	30	10	1	1	65	66	2.3	1.8	1.4	1.3	14	23	9	2	1	48	49	1.8	1.4		
b. Hepatic carcinoma	1	2	3	7	12	13	25	0.4	0.6	1.6	1.6	0	1	4	3	8	8	16	0.3	0.4		
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-		
VIII BONE TUMOURS	1	23	78	142	199	244	443	7.2	9.9	1.1	1.2	2	10	66	150	141	228	369	7.0	8.6		
a. Osteosarcoma	0	3	34	68	114	105	219	3.0	4.8	1.0	1.2	0	0	25	85	77	110	187	3.3	4.3		
b. Chondrosarcoma	0	0	1	1	13	2	15	0.1	0.3	0.7	1.4	0	0	0	3	8	3	11	0.1	0.2		
c. Ewing & related	1	16	35	54	62	106	168	3.2	3.8	1.2	1.3	2	10	31	47	38	90	128	2.8	3.1		
d. Other specified	0	4	8	16	8	28	36	0.8	0.8	1.2	0.9	0	0	9	15	18	24	42	0.7	1.0		
e. Unspecified	0	0	0	3	2	3	5	0.1	0.1	3.0	5.0	0	0	1	0	0	1	1	0.0	0.0		
IX SOFT TISSUE SARCOMA	29	107	93	80	185	309	494	10.1	11.9	1.3	1.3	22	83	61	74	130	240	370	8.2	9.3		
a. Rhabdomyosarcoma	10	83	67	25	45	185	230	6.2	5.8	1.3	1.4	12	68	35	30	24	145	169	5.1	4.5		
b. Fibrosarcoma	8	3	1	7	4	19	23	0.6	0.6	2.1	1.4	2	0	2	5	7	9	16	0.3	0.4		
c. Kaposi sarcoma	0	0	0	0	1	0	1	-	0.0	0.0	0.2	0	0	1	0	4	1	5	0.0	0.1		
d. Other specified	9	17	23	41	120	90	210	2.8	4.8	1.3	1.4	5	11	19	34	83	69	152	2.2	3.6		
e. Unspecified	2	4	2	7	15	15	30	0.5	0.7	0.9	1.1	3	4	4	5	12	16	28	0.5	0.7		
X GERM CELL TUMOURS	37	30	18	51	539	136	675	4.5	15.2	0.8	2.5	43	28	27	79	91	177	268	5.9	6.7		
a. CNS germ cell ‡	7	4	17	32	39	60	99	1.8	2.3	2.1	2.7	7	3	8	11	8	29	37	1.0	0.9		
b. Other extragonadal	14	13	0	3	18	30	48	1.1	1.2	0.5	0.8	36	21	0	1	3	58	61	2.2	1.8		
c. Gonadal germ cell	16	13	1	16	478	46	524	1.6	11.6	0.6	3.7	0	3	17	63	59	83	142	2.5	3.3		
d. Gonadal carcinoma	0	0	0	0	0	0	0	-	-	0.0	0.0	0	0	0	4	18	4	22	0.1	0.5		
e. Unspecified gonadal	0	0	0	0	4	0	4	-	0.1	0.0	0.7	0	1	2	0	3	3	6	0.1	0.1		
XI CARCINOMA & MELANOMA	4	19	42	156	358	221	579	6.5	12.8	0.8	0.6	4	31	55	197	655	287	942	8.9	21.8		
a. Adrenocortical	0	3	0	0	1	3	4	0.1	0.1	0.4	0.4	0	5	1	1	3	7	10	0.3	0.3		
b. Thyroid	1	5	12	24	51	42	93	1.3	2.1	0.7	0.5	0	9	20	34	131	63	194	2.0	4.5		
c. Nasopharyngeal	0	0	3	13	15	16	31	0.5	0.7	4.0	2.8	0	0	1	3	7	4	11	0.1	0.3		
d. Melanoma	3	9	17	39	137	68	205	2.1	4.6	0.8	0.6	2	14	19	52	270	87	357	2.7	8.3		
e. Skin carcinoma	0	0	2	4	10	6	16	0.2	0.4	0.5	0.8	1	1	3	7	7	12	19	0.4	0.5		
f. Other & unspecified	0	2	8	76	144	86	230	2.4	5.0	0.8	0.7	1	2	11	100	237	114	351	3.4	8.0		
XII OTHER & UNSPECIFIED	2	6	3	2	9	13	22	0.4	0.5	1.4	1.4	3	5	0	1	7	9	16	0.3	0.4		
a. Other specified	0	4	2	2	4	8	12	0.3	0.3	1.3	1.1	2	3	0	1	5	6	11	0.2	0.3		
b. Other unspecified	2	2	1	0	5	5	10	0.2	0.2	1.7	2.0	1	2	0	0	2	3	5	0.1	0.1		
TOTAL	445	1785	1412	1451	2495	5093	7588	166.5	183.2	1.2	1.2	410	1466	1028	1230	2094	4134	6228	141.8	157.5		

† includes 555 non-malignant in males and 622 non-malignant in females ‡ includes 9 non-malignant in males and 8 non-malignant in females

Please consult the quality indicators for this registry

THE NETHERLANDS (1993-2013)

	Age group	Males	Females
Person-years	0	2 057 545	1 960 207
	1-4	8 365 968	7 985 734
	5-9	10 535 909	10 065 512
	10-14	10 413 205	9 950 681
	15-19	10 364 100	9 897 131
Total	0-14	31 372 627	29 962 134
	0-19	41 736 727	39 859 265
Average annual population	0-14	1 493 935	1 426 768
	0-19	1 987 463	1 898 060

Please consult the quality indicators for this registry