

USA, Pennsylvania (1998-2012)

	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
I LEUKAEMIA	120	777	450	353	378	1700	2078	28.9	100.0	23.0	100.0	55.8	89.0	38.8	28.2	28.5	52.6	47.2	747	889	97.7	0.5
a. Lymphoid	48	652	369	231	190	1300	1490	22.1	76.5	16.5	71.7	22.3	74.7	31.8	18.4	14.3	40.5	34.6	573	644	98.9	0.3
b. Acute myeloid	40	87	56	85	125	268	393	4.6	15.8	4.3	18.9	18.6	10.0	4.8	6.8	9.4	8.0	8.4	116	163	98.7	0.3
c. CMD	10	11	12	20	38	53	91	0.9	3.1	1.0	4.4	4.7	1.3	1.0	1.6	2.9	1.5	1.8	23	37	81.3	2.2
d. MDS & other	15	21	7	11	14	54	68	0.9	3.2	0.8	3.3	7.0	2.4	0.6	0.9	1.1	1.7	1.6	24	29	92.6	0.0
e. Unspecified	7	6	6	6	11	25	36	0.4	1.5	0.4	1.7	3.3	0.7	0.5	0.5	0.8	0.8	0.8	11	15	91.7	8.3
II LYMPHOMA & RELATED	25	67	174	301	733	567	1300	9.6	100.0	14.4	100.0	11.6	7.7	15.0	24.0	55.2	15.1	24.1	237	513	98.5	0.6
a. Hodgkin	1	7	47	152	503	207	710	3.5	36.5	7.8	54.6	0.5	0.8	4.0	12.1	37.9	5.1	12.5	85	274	99.2	0.4
b. Non-Hodgkin except BL	10	34	76	110	196	230	426	3.9	40.6	4.7	32.8	4.7	3.9	6.5	8.8	14.8	6.2	8.1	97	171	98.1	0.5
c. Burkitt (BL)	0	11	43	33	23	87	110	1.5	15.3	1.2	8.5	-	1.3	3.7	2.6	1.7	2.4	2.2	37	45	100.0	0.0
d. Lymphoreticular	14	13	7	2	3	36	39	0.6	6.3	0.4	3.0	6.5	1.5	0.6	0.2	0.2	1.2	1.0	16	17	92.3	5.1
e. Unspecified	0	2	1	4	8	7	15	0.1	1.2	0.2	1.2	-	0.2	0.1	0.3	0.6	0.2	0.3	3	6	80.0	6.7
III CNS NEOPLASMS †	108	496	490	460	484	1554	2038	26.4	100.0	22.5	100.0	50.2	56.8	42.2	36.7	36.5	45.8	43.7	672	854	76.5	0.4
a. Ependymoma	21	39	21	25	31	106	137	1.8	6.8	1.5	6.7	9.8	4.5	1.8	2.0	2.3	3.3	3.1	47	58	98.5	0.0
b. Astrocytoma	41	259	215	218	168	733	901	12.5	47.2	10.0	44.2	19.1	29.7	18.5	17.4	12.7	21.7	19.7	317	381	79.8	0.0
c. CNS embryonal	26	91	80	56	35	253	288	4.3	16.3	3.2	14.1	12.1	10.4	6.9	4.5	2.6	7.7	6.5	111	124	99.7	0.0
d. Other gliomas	5	68	103	65	73	241	314	4.1	15.5	3.5	15.4	2.3	7.8	8.9	5.2	5.5	7.0	6.6	104	131	42.0	1.0
e. Other specified	10	33	69	89	160	201	361	3.4	12.9	4.0	17.7	4.7	3.8	5.9	7.1	12.1	5.5	7.0	85	145	76.7	0.3
f. Unspecified CNS	5	6	2	7	17	20	37	0.3	1.3	0.4	1.8	2.3	0.7	0.2	0.6	1.3	0.6	0.8	9	15	27.0	10.8
IV NEUROBLASTOMA	174	230	43	19	11	466	477	7.9	100.0	5.3	100.0	81.0	26.3	3.7	1.5	0.8	16.0	12.6	212	216	97.9	0.2
a. (Ganglio)neuroblastoma	174	228	42	11	5	455	460	7.7	97.6	5.1	96.4	81.0	26.1	3.6	0.9	0.4	15.7	12.3	207	209	97.8	0.2
b. Peripheral nervous	0	2	1	8	6	11	17	0.2	2.4	0.2	3.6	-	0.2	0.1	0.6	0.5	0.3	0.3	5	7	100.0	0.0
V RETINOBLASTOMA	71	60	2	0	0	133	133	2.3	100.0	1.5	100.0	33.0	6.9	0.2	-	-	4.7	3.7	61	61	72.2	0.8
VI RENAL TUMOURS	32	187	71	8	20	298	318	5.1	100.0	3.5	100.0	14.9	21.4	6.1	0.6	1.5	9.9	8.0	134	142	98.4	0.3
a. Nephroblastoma	32	187	64	3	7	286	293	4.9	96.0	3.2	92.1	14.9	21.4	5.5	0.2	0.5	9.6	7.6	129	132	98.6	0.3
b. Renal carcinoma	0	0	7	5	13	12	25	0.2	4.0	0.3	7.9	-	-	0.6	0.4	1.0	0.3	0.5	5	10	96.0	0.0
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VII HEPATIC TUMOURS	19	45	7	6	18	77	95	1.3	100.0	1.0	100.0	8.8	5.2	0.6	0.5	1.4	2.6	2.3	35	42	98.9	0.0
a. Hepatoblastoma	18	45	6	1	0	70	70	1.2	90.9	0.8	73.7	8.4	5.2	0.5	0.1	-	2.4	1.9	32	32	100.0	0.0
b. Hepatic carcinoma	0	0	1	5	18	6	24	0.1	7.8	0.3	25.3	-	-	0.1	0.4	1.4	0.1	0.4	2	9	100.0	0.0
c. Unspecified	1	0	0	0	0	1	1	0.0	1.3	0.0	1.1	0.5	-	-	-	-	0.0	0.0	0	0	0.0	0.0
VIII BONE TUMOURS	1	20	54	156	200	231	431	3.9	100.0	4.8	100.0	0.5	2.3	4.7	12.4	15.1	5.9	7.9	95	170	99.3	0.2
a. Osteosarcoma	0	4	31	77	96	112	208	1.9	48.5	2.3	48.3	-	0.5	2.7	6.1	7.2	2.8	3.8	46	82	100.0	0.0
b. Chondrosarcoma	0	1	2	6	16	9	25	0.2	3.9	0.3	5.8	-	0.1	0.2	0.5	1.2	0.2	0.4	4	10	96.0	0.0
c. Ewing & related	1	11	19	69	76	100	176	1.7	43.3	1.9	40.8	0.5	1.3	1.6	5.5	5.7	2.6	3.3	41	70	98.9	0.6
d. Other specified	0	2	2	3	10	7	17	0.1	3.0	0.2	3.9	-	0.2	0.2	0.2	0.8	0.2	0.3	3	7	100.0	0.0
e. Unspecified	0	2	0	1	2	3	5	0.1	1.3	0.1	1.2	-	0.2	-	0.1	0.2	0.1	0.1	1	2	100.0	0.0
IX SOFT TISSUE SARCOMA	42	107	98	128	189	375	564	6.4	100.0	6.2	100.0	19.5	12.3	8.4	10.2	14.2	11.0	11.7	162	233	98.4	0.2
a. Rhabdomyosarcoma	13	80	54	31	49	178	227	3.0	47.5	2.5	40.2	6.0	9.2	4.7	2.5	3.7	5.5	5.1	78	97	99.6	0.4
b. Fibrosarcoma	10	9	9	17	18	45	63	0.8	12.0	0.7	11.2	4.7	1.0	0.8	1.4	1.4	1.3	1.3	19	26	92.1	0.0
c. Kaposi sarcoma	0	0	0	1	5	1	6	0.0	0.3	0.1	1.1	-	-	-	0.1	0.4	0.0	0.1	0	2	100.0	0.0
d. Other specified	15	9	27	63	91	114	205	1.9	30.4	2.3	36.3	7.0	1.0	2.3	5.0	6.9	3.1	3.9	48	82	99.5	0.0
e. Unspecified	4	9	8	16	26	37	63	0.6	9.9	0.7	11.2	1.9	1.0	0.7	1.3	2.0	1.1	1.3	16	26	96.8	0.0
X GERM CELL TUMOURS	49	22	29	93	351	193	544	3.3	100.0	6.0	100.0	22.8	2.5	2.5	7.4	26.4	5.5	10.2	82	214	98.0	0.2
a. CNS germ cell ‡	8	1	15	34	30	58	88	1.0	30.1	1.0	16.2	3.7	0.1	1.3	2.7	2.3	1.5	1.7	24	35	89.8	1.1
b. Other extragonadal	31	12	1	3	21	47	68	0.8	24.4	0.8	12.5	14.4	1.4	0.1	0.2	1.6	1.6	1.6	21	29	97.1	0.0
c. Gonadal germ cell	9	9	13	45	277	76	353	1.3	39.4	3.9	64.9	4.2	1.0	1.1	3.6	20.9	2.0	6.3	32	136	100.0	0.0
d. Gonadal carcinoma	0	0	0	6	16	6	22	0.1	3.1	0.2	4.0	-	-	-	0.5	1.2	0.1	0.4	2	8	100.0	0.0
e. Unspecified gonadal	1	0	0	5	7	6	13	0.1	3.1	0.1	2.4	0.5	-	-	0.4	0.5	0.2	0.2	2	5	100.0	0.0
XI CARCINOMA & MELANOMA	15	16	44	193	768	268	1036	4.6	100.0	11.4	100.0	7.0	1.8	3.8	15.4	57.9	6.8	18.3	110	399	99.1	0.2
a. Adrenocortical	1	6	3	3	5	13	18	0.2	4.9	0.2	1.7	0.5	0.7	0.3	0.2	0.4	0.4	0.4	6	8	100.0	0.0
b. Thyroid	1	2	14	87	362	104	466	1.8	38.8	5.1	45.0	0.5	0.2	1.2	6.9	27.3	2.5	8.1	42	178	99.6	0.2
c. Nasopharyngeal	0	0	0	7	31	7	38	0.1	2.6	0.4	3.7	-	-	-	0.6	2.3	0.2	0.7	3	14	97.4	0.0
d. Melanoma	7	7	22	53	234	89	323	1.5	33.2	3.6	31.2	3.3	0.8	1.9	4.2	17.6	2.3	5.8	37	125	98.5	0.0
e. Skin carcinoma	0	0	0	2	4	2	6	0.0	0.7	0.1	0.6	-	-	-	0.2	0.3	0.0	0.1	1	2	100.0	0.0
f. Other & unspecified	6	1	5	41	132	53	185	0.9	19.8	2.0	17.9	2.8	0.1	0.4	3.3	9.9	1.3	3.3	22	71	99.5	0.5
XII OTHER & UNSPECIFIED	7	9	5	3	15	24	39	0.4	100.0	0.4	100.0	3.3	1.0	0.4	0.2	1.1	0.8	0.9	11	16	74.4	7.7
a. Other specified	4	8	2	3	4	17	21	0.3	70.8	0.2	53.8	1.9	0.9	0.2	0.2	0.3	0.6	0.5	8	9	100.0	0.0
b. Other unspecified	3	1	3	0	11	7	18	0.1	29.2	0.2	46.2	1.4	0.1	0.3	-	0.8	0.2	0.4	3	7	44.4	16.7
TOTAL	663	2036	1467	1720	3167	5886	9053	100.0	100.0	100.0	100.0	308.4	233.1	126.3	137.3	238.6	176.6	190.5	2558	3751	92.9	0.4

† includes 416 non-malignant ‡ includes 5 non-malignant

Please consult the quality indicators for this registry

USA, Pennsylvania (1998-2012)

	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		
I LEUKAEMIA	60	421	260	188	229	929	1158	56.1	51.1	1.2	1.3	60	356	190	165	149	771	920	48.9	43.1				
a. Lymphoid	25	352	222	133	126	732	858	44.3	38.5	1.3	1.4	23	300	147	98	64	568	632	36.5	30.5				
b. Acute myeloid	18	50	25	35	72	128	200	7.7	8.3	0.9	1.0	22	37	31	50	53	140	193	8.4	8.4				
c. CMD	6	6	5	12	17	29	46	1.6	1.8	1.2	1.0	4	5	7	8	21	24	45	1.4	1.8				
d. MDS & other	7	9	5	6	5	27	32	1.7	1.4	1.0	0.9	8	12	2	5	9	27	36	1.8	1.7				
e. Unspecified	4	4	3	2	9	13	22	0.8	0.9	1.1	1.6	3	2	3	4	2	12	14	0.7	0.6				
II LYMPHOMA & RELATED	15	42	121	187	386	365	751	19.0	27.5	1.8	1.4	10	25	53	114	347	202	549	11.0	20.5				
a. Hodgkin	1	6	32	95	231	134	365	6.5	12.7	1.8	1.1	0	1	15	57	272	73	345	3.6	12.2				
b. Non-Hodgkin except BL	7	19	55	63	127	144	271	7.6	10.1	1.7	1.7	3	15	21	47	69	86	155	4.7	6.1				
c. Burkitt (BL)	0	10	32	25	20	67	87	3.6	3.4	3.4	3.8	0	1	11	8	3	20	23	1.1	0.9				
d. Lymphoreticular	7	6	2	2	2	17	19	1.1	0.9	0.9	0.9	7	7	5	0	1	19	20	1.3	1.0				
e. Unspecified	0	1	0	2	6	3	9	0.2	0.3	0.8	1.5	0	1	1	2	2	4	6	0.2	0.2				
III CNS NEOPLASMS †	59	267	264	247	247	837	1084	48.2	45.5	1.2	1.1	49	229	226	213	237	717	954	43.2	41.7				
a. Ependymoma	10	26	12	12	21	60	81	3.7	3.6	1.3	1.4	11	13	9	13	10	46	56	2.9	2.6				
b. Astrocytoma	26	133	117	130	88	406	494	23.3	21.0	1.2	1.2	15	126	98	88	80	327	407	20.0	18.3				
c. CNS embryonal	15	49	48	37	20	149	169	8.7	7.4	1.4	1.4	11	42	32	19	15	104	119	6.6	5.6				
d. Other gliomas	1	36	46	26	45	109	154	6.2	6.3	0.8	1.0	4	32	57	39	28	132	160	7.7	6.9				
e. Other specified	4	20	40	40	69	104	173	5.7	6.7	1.1	0.9	6	13	29	49	91	97	188	5.4	7.3				
f. Unspecified CNS	3	3	1	2	4	9	13	0.6	0.6	0.8	0.5	2	3	1	5	13	11	24	0.7	1.0				
IV NEUROBLASTOMA	99	123	26	8	4	256	260	17.2	13.5	1.2	1.2	75	107	17	11	7	210	217	14.7	11.7				
a. (Ganglio)neuroblastoma	99	122	26	6	1	253	254	17.1	13.3	1.3	1.2	75	106	16	5	4	202	206	14.3	11.2				
b. Peripheral nervous	0	1	0	2	3	3	6	0.2	0.2	0.4	0.5	0	1	1	6	3	8	11	0.4	0.4				
V RETINOBLASTOMA	43	28	1	0	0	72	72	5.0	3.9	1.2	1.2	28	32	1	0	0	61	61	4.4	3.4				
VI RENAL TUMOURS	18	97	26	5	6	146	152	9.6	7.7	1.0	0.9	14	90	45	3	14	152	166	10.3	8.4				
a. Nephroblastoma	18	97	23	1	3	139	142	9.3	7.3	0.9	0.9	14	90	41	2	4	147	151	10.0	7.9				
b. Renal carcinoma	0	0	3	4	3	7	10	0.3	0.4	1.4	0.7	0	0	4	1	10	5	15	0.3	0.6				
c. Unspecified	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	0	-	-				
VII HEPATIC TUMOURS	13	26	4	6	12	49	61	3.2	2.9	1.8	1.8	6	19	3	0	6	28	34	2.0	1.7				
a. Hepatoblastoma	12	26	3	1	0	42	42	2.9	2.2	1.5	1.5	6	19	3	0	0	28	28	2.0	1.5				
b. Hepatic carcinoma	0	0	1	5	12	6	18	0.3	0.6	-	3.0	0	0	0	0	6	0	6	-	0.2				
c. Unspecified	1	0	0	0	0	1	1	0.1	0.1	-	-	0	0	0	0	0	0	0	-	-				
VIII BONE TUMOURS	0	13	21	79	134	113	247	5.6	8.8	1.0	1.3	1	7	33	77	66	118	184	6.1	7.0				
a. Osteosarcoma	0	3	10	39	62	52	114	2.5	4.0	0.9	1.2	0	1	21	38	34	60	94	3.1	3.6				
b. Chondrosarcoma	0	1	0	4	7	5	12	0.3	0.4	1.3	0.9	0	0	2	2	9	4	13	0.2	0.5				
c. Ewing & related	0	5	10	34	59	49	108	2.4	3.8	1.0	1.6	1	6	9	35	17	51	68	2.7	2.7				
d. Other specified	0	2	1	2	5	5	10	0.3	0.4	2.5	1.4	0	0	1	1	5	2	7	0.1	0.3				
e. Unspecified	0	2	0	0	1	2	3	0.1	0.1	2.0	1.5	0	0	0	1	1	1	2	0.0	0.1				
IX SOFT TISSUE SARCOMA	21	63	56	68	101	208	309	12.0	12.6	1.2	1.2	21	44	42	60	88	167	255	10.0	10.8				
a. Rhabdomyosarcoma	7	52	34	13	27	106	133	6.5	6.0	1.5	1.4	6	28	20	18	22	72	94	4.5	4.2				
b. Fibrosarcoma	7	4	5	11	11	27	38	1.5	1.6	1.5	1.5	3	5	4	6	7	18	25	1.1	1.1				
c. Kaposi sarcoma	0	0	0	1	4	1	5	0.0	0.2	-	5.0	0	0	0	0	1	0	1	-	0.0				
d. Other specified	5	4	13	35	47	57	104	2.9	3.8	1.0	1.0	10	5	14	28	44	57	101	3.2	4.0				
e. Unspecified	2	3	4	8	12	17	29	0.9	1.1	0.9	0.9	2	6	4	8	14	20	34	1.2	1.4				
X GERM CELL TUMOURS	25	10	9	40	258	84	342	4.7	12.2	0.8	1.7	24	12	20	53	93	109	202	6.3	8.1				
a. CNS germ cell ‡	5	1	7	21	28	34	62	1.7	2.3	1.4	2.4	3	0	8	13	2	24	26	1.3	1.1				
b. Other extragonadal	11	2	0	1	9	14	23	0.9	1.0	0.4	0.5	20	10	1	2	12	33	45	2.3	2.2				
c. Gonadal germ cell	8	7	2	18	220	35	255	2.0	8.8	0.9	2.6	1	2	11	27	57	41	98	2.1	3.6				
d. Gonadal carcinoma	0	0	0	0	1	0	1	-	0.0	0.0	0.0	0	0	0	6	15	6	21	0.3	0.7				
e. Unspecified gonadal	1	0	0	0	0	1	1	0.1	0.1	0.2	0.1	0	0	0	5	7	5	12	0.2	0.4				
XI CARCINOMA & MELANOMA	8	8	25	72	222	113	335	5.7	11.8	0.7	0.5	7	8	19	121	546	155	701	7.9	25.1				
a. Adrenocortical	1	4	3	1	1	9	10	0.6	0.5	2.3	1.3	0	2	0	2	4	4	8	0.2	0.3				
b. Thyroid	1	0	6	23	59	30	89	1.4	3.1	0.4	0.2	0	2	8	64	303	74	377	3.6	13.3				
c. Nasopharyngeal	0	0	0	3	23	3	26	0.1	0.9	0.8	2.2	0	0	0	4	8	4	12	0.2	0.4				
d. Melanoma	4	3	13	28	83	48	131	2.5	4.7	1.2	0.7	3	4	9	25	151	41	192	2.2	6.9				
e. Skin carcinoma	0	0	0	2	0	2	2	0.1	0.1	-	0.5	0	0	0	0	4	0	4	-	0.1				
f. Other & unspecified	2	1	3	15	56	21	77	1.0	2.7	0.7	0.7	4	0	2	26	76	32	108	1.6	3.9				
XII OTHER & UNSPECIFIED	4	8	3	2	6	17	23	1.1	1.0	2.4	1.4	3	1	2	1	9	7	16	0.5	0.7				
a. Other specified	3	7	2	2	2	14	16	0.9	0.8	4.7	3.2	1	1	0	1	2	3	5	0.2	0.2				
b. Other unspecified	1	1	1	0	4	3	7	0.2	0.3	0.8	0.6	2	0	2	0	7	4	11	0.3	0.4				
TOTAL	365	1106	816	902	1605	3189	4794	187.5	198.5	1.2	1.1	298	930	651	818	1562	2697	4259	165.2	182.2				

† includes 190 non-malignant in males and 226 non-malignant in females ‡ includes 2 non-malignant in males and 3 non-malignant in females

Please consult the quality indicators for this registry

USA, Pennsylvania (1998-2012)

	Age group	Males	Females
Person-years	0	1 097 808	1 051 663
	1-4	4 464 028	4 269 277
	5-9	5 938 526	5 673 171
	10-14	6 424 978	6 105 909
	15-19	6 782 635	6 492 785
Total	0-14	17 925 340	17 100 020
	0-19	24 707 975	23 592 805
Average annual population	0-14	1 195 023	1 140 001
	0-19	1 647 198	1 572 854

Please consult the quality indicators for this registry