

APPENDICE 1/APPENDIX 1
NUMEROSITÀ CASISTICA
NUMBER OF CASES

APPENDICE 2/APPENDIX 2
LA RETE DEI REGISTRI AIRTUM
THE NETWORK OF THE AIRTUM CANCER REGISTRIES

APPENDICE
APPENDIX



POOL Cancer Registry / Area	1988-2008				1993-2008				2003-2008			
	0-14 years		15-19 years		0-14 years		15-19 years		0-14 years		15-19 years	
	CASES	POPULATION	CASES	POPULATION	CASES	POPULATION	CASES	POPULATION	CASES	POPULATION	CASES	POPULATION
Brescia	0	0	0	0	0	0	0	0	68	144 229	44	48 608
Como	0	0	0	0	0	0	0	0	56	74 982	30	25 216
Genova	291	92 094	172	32 326	226	92 094	134	32 326	53	92 094	28	32 326
Mantova	0	0	0	0	0	0	0	0	33	44 673	7	15 885
Milano	0	0	0	0	0	0	0	0	100	134 064	49	45 047
Piemonte	2 038	509 421	214	34 011	1 571	509 421	176	41 552	609	509 421	289	179 088
Sondrio	0	0	0	0	0	0	0	0	23	25 297	14	9 287
Varese	423	107 411	219	38 757	328	107 411	155	38 757	110	107 411	56	38 757
NORD-OVEST	2 752	708 926	605	105 094	2 125	708 926	465	112 635	1 052	1 132 171	517	394 214
Alto Adige	0	0	0	0	135	78 763	55	26 115	33	78 763	23	26 115
Ferrara	0	0	0	0	107	32 510	69	12 027	38	32 510	29	12 027
Friuli Venezia Giulia	0	0	0	0	321	136 181	178	46 819	128	136 181	62	46 819
Modena	287	79 219	170	26 250	232	79 219	121	26 250	95	79 219	51	26 250
Parma	191	45 898	99	15 602	163	45 898	76	15 602	67	45 898	24	15 602
Reggio Emilia	0	0	0	0	0	0	0	0	55	58 433	25	19 354
Romagna	436	115 295	248	40 911	378	115 295	197	40 911	184	115 295	88	40 911
Trento	0	0	0	0	137	71 302	67	22 978	46	71 302	25	22 978
Veneto	1 038	335 671	620	114 128	824	335 671	460	114 128	234	335 671	129	114 128
NORD-EST	1 952	576 083	1 137	196 891	2 297	894 839	1 223	304 830	880	953 272	456	324 184
Firenze-Prato	486	138 477	301	47 257	391	138 477	216	47 257	106	138 477	45	47 257
Latina	277	77 206	142	30 029	239	77 206	125	30 029	85	77 206	46	30 029
Marche	608	190 589	0	0	512	190 589	0	0	186	190 589	109	69 886
Umbria	0	0	0	0	307	101 075	175	39 052	118	101 075	58	39 052
CENTRO	1 371	406 272	443	77 286	1 449	507 347	516	116 338	495	507 347	258	186 224
Catania-Messina	0	0	0	0	0	0	0	0	133	286 737	82	109 435
Catanzaro	0	0	0	0	0	0	0	0	19	38 588	9	15 766
Napoli	0	0	0	0	0	0	0	0	140	111 804	75	40 276
Nuoro	0	0	0	0	0	0	0	0	32	36 969	23	15 374
Palermo	0	0	0	0	0	0	0	0	109	220 744	77	81 774
Ragusa	165	51 005	92	18 761	131	51 005	67	18 761	41	51 005	22	18 761
Salerno	0	0	0	0	0	0	0	0	75	183 288	54	71 034
Sassari	0	0	0	0	179	64 151	131	27 012	65	64 151	48	27 012
Siracusa	0	0	0	0	0	0	0	0	43	65 883	37	25 904
Trapani	0	0	0	0	0	0	0	0	46	69 584	26	25 379
SUD	165	51 005	92	18 761	310	115 156	198	45 773	703	1 128 753	453	430 715
TOTAL	6 240	1 742 286	2 277	398 032	6 181	2 226 268	2 402	579 576	3 130	3 721 543	1 684	1 335 337

Tabella 1. Distribuzione dei casi di tumore diagnosticati per classe di età, registro e macroarea e popolazioni medie incluse nelle analisi sui tre distinti pool dei Registri tumori.

Table 1. Distribution of cancer cases and average populations by age, registry and area according to the different pool of registries used.

CANCER SITE	POOL 2003-2008														
	BOYS						GIRLS				TOTAL				
	POOL	NORTH WEST	NORTH EAST	CENTRE	SOUTH	POOL	NORTH WEST	NORTH EAST	CENTRE	SOUTH	POOL	NORTH WEST	NORTH EAST	CENTRE	SOUTH
I Leukaemia	495	176	136	66	117	433	144	119	74	96	928	320	255	140	213
Ia Lymphoid leukaemia	392	146	108	46	92	353	122	95	62	74	745	268	203	108	166
Ib Acute myeloid leukaemia	68	21	20	13	14	52	13	16	9	14	120	34	36	22	28
II Lymphoma	297	101	89	44	63	157	47	53	20	37	454	148	142	64	100
IIa Hodgkin lymphoma	105	38	32	13	22	89	27	27	13	22	194	65	59	26	44
IIb-Ic Non-Hodgkin lymphoma (Burkitt lymphoma included)	149	57	43	24	25	51	18	20	4	9	200	75	63	28	34
III Malignant tumours of the central nervous system	203	58	59	34	52	159	48	38	28	45	362	106	97	62	97
III All tumours of the central nervous system	339	113	92	59	75	298	103	76	56	63	637	216	168	115	138
IIIc Intracranial and intraspinal embryonal tumour	69	22	16	12	19	41	16	9	7	9	110	38	25	19	28
IV Neuroblastoma and other peripheral nervous cell tumours	128	44	37	15	32	102	36	27	18	21	230	80	64	33	53
V Retinoblastoma	34	11	8	4	11	33	11	7	5	10	67	22	15	9	21
VI Renal tumour	75	31	21	11	12	70	25	18	12	15	145	56	39	23	27
VII Hepatic tumour	22	11	5	3	3	12	7	1	1	3	34	18	6	4	6
VIII Malignant bone tumour	85	24	34	14	13	64	29	10	10	15	149	53	44	24	28
VIIIa Osteosarcoma	36	14	10	5	7	32	16	4	3	9	68	30	14	8	16
VIIIc Ewing tumour and related sarcomas of the bone	39	8	21	7	3	25	11	6	5	3	64	19	27	12	6
IX Soft tissue and other extraosseous sarcomas	113	39	37	12	25	74	27	24	10	13	187	66	61	22	38
IXa Rhabdomyosarcoma	44	20	12	3	9	36	14	11	6	5	80	34	23	9	14
X Germ cell tumour, trophoblastic tumour, and neoplasms of the gonads	40	9	13	6	12	50	19	14	9	8	90	28	27	15	20
XI Other malignant epithelial neoplasms and melanoma	61	18	15	20	8	84	14	29	19	22	145	32	44	39	30
XIb Thyroid carcinoma	19	8	2	7	2	35	7	10	9	9	54	15	12	16	11
XId Melanoma	13	1	6	6	0	17	1	7	3	6	30	2	13	9	6
All malignant tumours	1 585	529	460	234	362	1 270	413	349	208	300	2 855	942	809	442	662
All malignant tumours and non-malignant of the CNS	1 721	584	493	259	385	1 409	468	387	236	318	3 130	1 052	880	495	703

0-14 YEARS
Tabella 2. Distribuzione dei casi di tumore diagnosticati in età 0-14 anni, inclusi nel pool 2003-2008, per sede ICCC, genere e macroarea.
Table 2. Distribution of cancer cases diagnosed in the 0-14 years age group, included in the pool 2003-2008, by ICCC cancer site, gender and area.

CANCER SITE	POOL 1993-2008								
	BOYS			GIRLS			TOTAL		
	1993-1997	1998-2002	2003-2008	1993-1997	1998-2002	2003-2008	1993-1997	1998-2002	2003-2008
I Leukaemia	322	348	330	269	280	304	591	628	634
Ia Lymphoid leukaemia	270	276	257	219	219	251	489	495	508
Ib Acute myeloid leukaemia	39	44	49	37	47	31	76	91	80
II Lymphoma	177	212	211	87	123	110	264	335	321
IIa Hodgkin lymphoma	66	82	76	33	63	60	99	145	136
IIb-IIc Non-Hodgkin lymphoma (Burkitt lymphoma included)	87	111	110	39	46	39	126	157	149
III Malignant tumours of the central nervous system	152	190	131	134	142	113	286	332	244
III All tumours of the central nervous system	221	272	247	185	210	236	406	482	483
IIIc Intracranial and intraspinal embryonal tumour	48	60	43	15	31	30	63	91	73
IV Neuroblastoma and other peripheral nervous cell tumours	71	90	86	58	72	75	129	162	161
V Retinoblastoma	18	25	21	23	16	19	41	41	40
VI Renal tumour	38	44	55	46	62	46	84	106	101
VII Hepatic tumour	8	11	19	7	5	6	15	16	25
VIII Malignant bone tumour	49	41	64	45	47	40	94	88	104
VIIIa Osteosarcoma	15	20	26	17	20	18	32	40	44
VIIIc Ewing tumour and related sarcomas of the bone	26	16	32	22	21	20	48	37	52
IX Soft tissue and other extraosseous sarcomas	54	51	76	42	54	54	96	105	130
IXa Rhabdomyosarcoma	36	27	30	15	25	27	51	52	57
X Germ cell tumour, trophoblastic tumour, and neoplasms of the gonads	26	35	27	28	24	38	54	59	65
XI Other malignant epithelial neoplasms and melanoma	19	25	44	36	43	54	55	68	98
XIb Thyroid carcinoma	2	7	15	9	14	24	11	21	39
XId Melanoma	2	3	12	11	11	10	13	14	22
All malignant tumours	944	1 088	1 084	790	891	875	1 734	1 979	1 959
All malignant tumours and non-malignant of the central nervous system	1 013	1 170	1 200	841	959	998	1 854	2 129	2 198

Tabella 3. Distribuzione dei casi di tumore diagnosticati in età 0-14 anni, inclusi nel pool 1993-2008, per sede (ICCC e genere).
Table 3. Distribution of cancer cases diagnosed in the 0-14 years age group, included in the pool 1993-2008, by ICCC cancer site and gender.

**0-14
YEARS**

CANCER SITE	POOL 1988-2008											
	BOYS				GIRLS				TOTAL			
	1988-1992	1993-1997	1998-2002	2003-2008	1988-1992	1993-1997	1998-2002	2003-2008	1988-1992	1993-1997	1998-2002	2003-2008
I Leukaemia	198	271	271	258	192	221	225	238	390	492	496	496
Ia Lymphoid leukaemia	156	226	213	198	146	181	178	194	302	407	391	392
Ib Acute myeloid leukaemia	32	34	35	40	31	29	34	24	63	63	69	64
II Lymphoma	109	148	174	170	58	73	95	84	167	221	269	254
IIa Hodgkin lymphoma	34	51	68	63	32	29	51	49	66	80	119	112
IIb-IIc Non-Hodgkin lymphoma (Burkitt lymphoma included)	66	74	91	91	18	29	33	28	84	103	124	119
III Malignant tumours of the central nervous system	116	121	143	102	94	109	109	95	210	230	252	197
III All tumours of the central nervous system	151	186	222	210	119	157	170	205	270	343	392	415
IIIc Intracranial and intraspinal embryonal tumour	31	42	49	38	24	13	24	27	55	55	73	65
IV Neuroblastoma and other peripheral nervous cell tumours	44	53	80	71	31	50	55	60	75	103	135	131
V Retinoblastoma	14	15	19	18	16	18	11	17	30	33	30	35
VI Renal tumour	19	34	34	46	32	38	50	34	51	72	84	80
VII Hepatic tumour	5	7	7	18	9	6	5	5	14	13	12	23
VIII Malignant bone tumour	42	38	28	49	42	41	39	33	84	79	67	82
VIIIa Osteosarcoma	21	12	17	20	23	15	16	16	44	27	33	36
VIIIc Ewing tumour and related sarcomas of the bone	12	22	9	25	15	22	19	17	27	44	28	42
IX Soft tissue and other extraosseous sarcomas	51	42	39	65	30	36	41	46	81	78	80	111
IXa Rhabdomyosarcoma	29	27	21	27	17	14	22	22	46	41	43	49
X Germ cell tumour; trophoblastic tumour, and neoplasms of the gonads	14	20	28	20	22	24	19	31	36	44	47	51
XI Other malignant epithelial neoplasms and melanoma	19	16	17	34	16	27	33	39	35	43	50	73
XIb Thyroid carcinoma	7	2	4	14	9	8	12	17	16	10	16	31
XIc Melanoma	1	2	2	10	2	8	9	8	3	10	11	18
All malignant tumours	639	772	848	860	546	654	698	692	1 185	1 426	1 546	1 552
All malignant tumours and non-malignant of the central nervous system	674	837	927	968	571	702	759	802	1 245	1 539	1 686	1 770

0-14 YEARS
Tabella 4. Distribuzione dei casi di tumore diagnosticati in età 0-14 anni, inclusi nel pool 1988-2008, per sede (ICCC e genere).
Table 4. Distribution of cancer cases diagnosed in the 0-14 years age group, included in the pool 1988-2008, by ICCC cancer site and gender.

CANCER SITE	POOL 2003-2008														
	BOYS						GIRLS						TOTAL		
	POOL	NORTH WEST	NORTH EAST	CENTRE	SOUTH	POOL	NORTH WEST	NORTH EAST	CENTRE	SOUTH	POOL	NORTH WEST	NORTH EAST	CENTRE	SOUTH
I Leukaemia	100	25	19	19	37	78	17	24	10	27	178	42	43	29	64
Ia Lymphoid leukaemia	60	15	11	11	23	31	5	10	9	7	91	20	21	20	30
Ib Acute myeloid leukaemia	22	9	4	3	6	23	6	4	1	12	45	15	8	4	18
II Lymphoma	280	87	78	38	77	263	87	70	48	58	543	174	148	86	135
IIa Hodgkin lymphoma	180	54	54	21	51	208	73	57	35	43	388	127	111	56	94
IIb-IIc Non-Hodgkin lymphoma (Burkitt lymphoma included)	83	32	19	13	19	49	13	13	12	11	132	45	32	25	30
III Malignant tumours of the central nervous system	55	13	12	15	15	52	18	12	12	10	107	31	24	27	25
III All tumours of the central nervous system	86	23	21	21	21	87	31	22	15	19	173	54	43	36	40
IIIc Intracranial and intraspinal embryonal tumour	13	4	3	2	4	9	2	2	4	1	22	6	5	6	5
IV Neuroblastoma and other peripheral nervous cell tumours	2	2	0	0	0	2	1	1	0	0	4	3	1	0	0
V Retinoblastoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VI Renal tumour	5	0	4	0	1	3	0	0	1	2	8	0	4	1	3
VII Hepatic tumour	6	2	2	0	2	1	0	0	1	0	7	2	2	1	2
VIII Malignant bone tumour	59	22	6	12	19	15	5	7	1	2	74	27	13	13	21
VIIIa Osteosarcoma	32	15	4	9	4	5	2	3	0	0	37	17	7	9	4
VIIIc Ewing tumour and related sarcomas of the bone	15	5	2	3	5	6	3	3	0	0	21	8	5	3	5
IX Soft tissue and other extraosseous sarcomas	64	23	14	6	21	37	12	9	6	10	101	35	23	12	31
IXa Rhabdomyosarcoma	15	6	1	2	6	10	3	5	0	2	25	9	6	2	8
X Germ cell tumour, trophoblastic tumour, and neoplasms of the gonads	117	41	33	11	32	42	13	13	7	9	159	54	46	18	41
XI Other malignant epithelial neoplasms and melanoma	143	50	46	23	24	260	71	80	34	75	403	121	126	57	99
XIb Thyroid carcinoma	50	18	14	8	10	136	38	37	19	42	186	56	51	27	52
XIc Melanoma	43	18	15	5	5	66	16	24	10	16	109	34	39	15	21
All malignant tumours	848	269	216	128	235	770	225	221	121	203	1 618	494	437	249	438
All malignant tumours and non-malignant of the CNS	879	279	225	134	241	805	238	231	124	212	1 684	517	456	258	453

15-19 YEARS
Tabella 5. Distribuzione dei casi di tumore diagnosticati in età 15-19 anni, inclusi nel pool 2003-2008, per sede (CC, genere e macroarea).
Table 5. Distribution of cancer cases diagnosed in the 15-19 years age group, included in the pool 2003-2008, by (CC cancer site, gender and area).

CANCER SITE	POOL 1993-2008								
	BOYS			GIRLS			TOTAL		
	1993-1997	1998-2002	2003-2008	1993-1997	1998-2002	2003-2008	1993-1997	1998-2002	2003-2008
I Leukaemia	80	51	45	40	33	35	120	84	80
Ia Lymphoid leukaemia	40	25	24	19	19	12	59	44	36
Ib Acute myeloid leukaemia	23	16	9	9	8	10	32	24	19
II Lymphoma	118	153	122	90	113	137	208	266	259
IIa Hodgkin lymphoma	75	109	75	64	93	109	139	202	184
IIb-IIc Non-Hodgkin lymphoma (Burkitt lymphoma included)	38	41	38	21	18	26	59	59	64
III Malignant tumours of the central nervous system	26	29	26	26	23	21	52	52	47
III All tumours of the central nervous system	2	5	4	2	4	4	4	9	8
IIIc Intracranial and intraspinal embryonal tumour	3	2	0	5	3	1	8	5	1
IV Neuroblastoma and other peripheral nervous cell tumours	0	0	0	0	0	0	0	0	0
V Retinoblastoma	3	2	4	4	1	1	7	3	5
VI Renal tumour	3	1	2	3	0	1	6	1	3
VII Hepatic tumour	28	28	19	18	19	10	46	47	29
VIII Malignant bone tumour	9	10	10	8	8	3	17	18	13
VIIIa Osteosarcoma	14	10	5	7	5	4	21	15	9
VIIIc Ewing tumour and related sarcomas of the bone	26	23	25	25	21	19	51	44	44
IX Soft tissue and other extraosseous sarcomas	7	7	5	4	6	8	11	13	13
IXa Rhabdomyosarcoma	61	71	60	23	20	19	84	91	79
X Germ cell tumour, trophoblastic tumour, and neoplasms of the gonads	50	74	77	94	118	122	144	192	199
XI Other malignant epithelial neoplasms and melanoma	13	17	19	34	43	64	47	60	83
XIb Thyroid carcinoma	15	20	25	25	37	30	40	57	55
XIc Melanoma	405	443	387	334	357	371	739	800	758
All malignant tumours	44	46	45	41	37	43	85	83	88
All malignant tumours and non-malignant of the central nervous system	423	460	406	349	371	393	772	831	799

Tabella 6. Distribuzione dei casi di tumore diagnosticati in età 15-19 anni, inclusi nel pool 1993-2008, per sede ICCc e genere.
Table 6. Distribution of cancer cases diagnosed in the 15-19 years age group, included in the pool 1993-2008, by ICCc cancer site and gender.

**15-19
YEARS**

CANCER SITE	POOL 1988-2008											
	BOYS				GIRLS				TOTAL			
	1988-1992	1993-1997	1998-2002	2003-2008	1988-1992	1993-1997	1998-2002	2003-2008	1988-1992	1993-1997	1998-2002	2003-2008
I Leukaemia	50	64	36	25	34	29	20	25	84	93	56	50
Ia Lymphoid leukaemia	30	33	19	12	19	11	10	8	49	44	29	20
Ib Acute myeloid leukaemia	8	17	10	3	7	7	7	7	15	24	17	10
II Lymphoma	95	92	103	83	76	69	80	91	171	161	183	174
IIa Hodgkin lymphoma	54	57	72	49	57	47	69	73	111	104	141	122
IIb-IIc Non-Hodgkin lymphoma (Burkitt lymphoma included)	35	30	29	28	13	18	10	18	48	48	39	46
III Malignant tumours of the central nervous system	31	17	20	18	25	18	14	14	56	35	34	32
III All tumours of the central nervous system	4	2	4	2	3	2	3	1	7	4	7	3
IIIc Intracranial and intraspinal embryonal tumour	0	2	2	0	1	2	3	1	1	4	5	1
IV Neuroblastoma and other peripheral nervous cell tumours	0	0	0	0	0	0	0	0	0	0	0	0
V Retinoblastoma	1	2	1	3	3	1	0	1	4	3	1	4
VI Renal tumour	1	3	1	1	1	3	0	0	2	6	1	1
VII Hepatic tumour	26	22	20	13	13	16	10	9	39	38	30	22
VIII Malignant bone tumour	12	8	8	8	8	8	5	2	20	16	13	10
VIIIa Osteosarcoma	8	11	8	5	3	6	3	4	11	17	11	9
VIIIc Ewing tumour and related sarcomas of the bone	22	15	18	19	20	18	12	12	42	33	30	31
IX Soft tissue and other extraosseous sarcomas	9	5	6	4	7	3	5	4	16	8	11	8
IXa Rhabdomyosarcoma	41	49	45	40	14	16	12	9	55	65	57	49
X Germ cell tumour; trophoblastic tumour, and neoplasms of the gonads	37	38	55	49	57	65	78	89	94	103	133	138
XI Other malignant epithelial neoplasms and melanoma	9	12	11	13	23	24	26	46	32	36	37	59
XIb Thyroid carcinoma	7	11	15	14	11	18	26	24	18	29	41	38
XIc Melanoma	309	310	308	257	248	241	233	253	557	551	541	510
All malignant tumours	46	35	32	33	37	32	28	32	83	67	60	65
All malignant tumours and non-malignant of the central nervous system	324	328	320	272	260	255	247	271	584	583	567	543

Tabella 7. Distribuzione dei casi di tumore diagnosticati in età 15-19 anni, inclusi nel pool 1988-2008, per sede ICCc e genere.
Table 7. Distribution of cancer cases diagnosed in the 15-19 years age group, included in the pool 1988-2008, by ICCc cancer site and gender.

15-19 YEARS