

Switzerland, Ticino

Registration area

The Canton Ticino is situated at the extreme south of Switzerland. It has a total area of 2812 km² and is bordered on the north by the Canton of Uri, on the east by Canton of Graubünden and Italy and on the south and west by Italy. The highest point is 3402 m and the lowest 194 m above sea level. The climate is temperate, with average temperatures varying from 4.0 in January to 21.8 in August, and the annual rainfall amounts to 1564 mm (1997). Air quality has been measured in Ticino from 1990: the annual average pollutant concentrations observed are 13 µg/m³ for SO₂, 44 µg/m³ for NO₂ and 218 µg/m³ O₃ (city of Lugano, 1996).

The population of the canton at 31 December 2000 was 309 357. The structure also reflects immigration in the age of economic activity: 73% of the population have Swiss nationality and 27% is foreign, mainly from Italy and the former Yugoslavia. The majority of the population is Christian, with 84% Roman Catholics. The official language is Italian. Employment distribution is: 1.7% in agriculture and forestry, 24.8% in industry and 71.8% in the service sector (census 2000).

Cancer care facilities

In 2000, there were five public regional hospitals and four zone hospitals, for a total of 1042 beds and 695 hospital and private practitioners in the canton. There are no population-based screening programmes in Canton Ticino. Spontaneous screening is well accepted in the population, for either breast or cervical cancer. There is one radiotherapy department for the entire region covered by the Cancer Registry. Opportunistic PSA testing is common in the population.

Registry structure and methods

The Cancer Registry of Canton Ticino was founded in 1995 by the local government. Collection of population-based data began in 1996. The Cantone Ticino provides most of the budget and additional funds are obtained from the Federal Ministry of Health, through the Swiss Association of Cancer Registries.

The Registry was founded on a cantonal law, based on a popular initiative. It is located at the Cantonal Institut of Pathology. One medical doctor and a data manager are responsible for active data collection and coding. A statistician is responsible of quality control and data

elaboration. Reporting of cancer cases is done on a voluntary basis. A web page is updated regularly (www.ti.ch/cancer). About 80% of cases are notified by the Cantonal Institute of Pathology and Cytology. Additional cases come from main hospitals, radiotherapy and oncology centres, haematology laboratory, oncologists, general practitioners and from cancer registries of Geneva, Vaud, Basel, Zürich and St Gallen (mostly skin cancer). Autopsy is performed on 3% of all deaths. Finally, death certificates with cancer diagnosis are scrutinised and additional information is found by mailing a questionnaire to the physician or by looking at the case notes in hospitals. Online control of inhabitants of the canton is performed at the Cantonal Office of Population Registry.

The Registry collects all malignant invasive and in situ tumours. The registration of basal-cell carcinoma is incomplete for the years 1996–2003. The following data are coded: personal identification number, tumour occurring before the registry was started personal data, date of first symptoms, date of morphology confirmation, topography, morphology, stage, diameter in mm and axillary node for breast cancer, basis of diagnosis, method of diagnosis, first treatment and date of death.

All information are checked and coded (according ICD-O-2) manually by the registry staff before entry in the computer. The computers themselves do preliminary plausibility test at data entry, and a second check is performed by the staff daily. Monthly several plausibility checks, like logical sequence of dates, validity of codes, morphology by topography, by sex and age (over 200 crosscheck) are performed in addition to the IARC Check programme.

Active follow-up of all patients with tumours is performed yearly. We have published a study of completeness:

http://www.ti.ch/DSS/DSP/IstCP/RCT/pdf_ppt/Relazioni_e_Poster/2005/GRELL05_completeness.pdf.

Use of the data

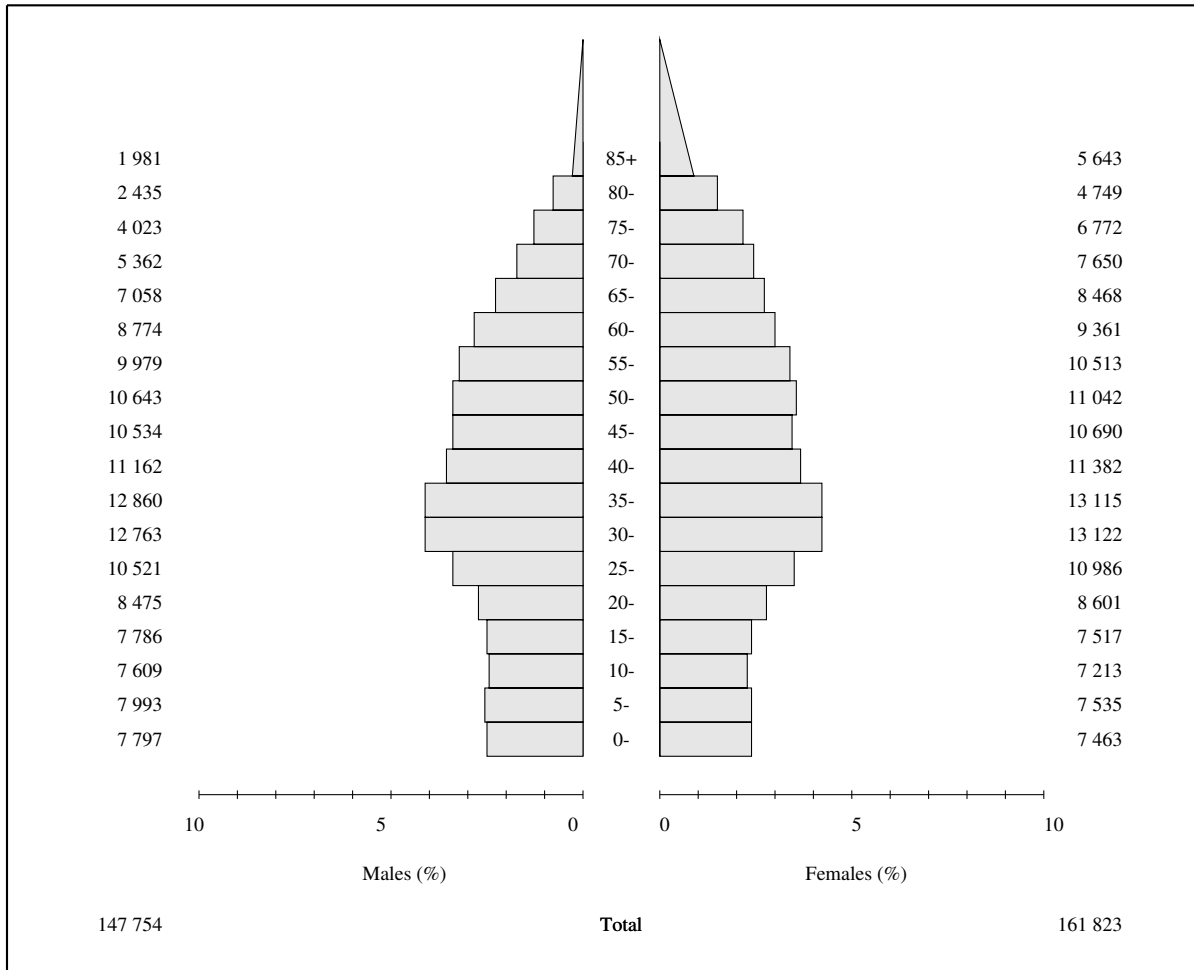
The Registry is currently involved in epidemiological research such as biomolecular epidemiology, survival analysis (EUROCARE), and other:

<http://www.ti.ch/DSS/DSP/IstCP/RCT/temi/studies.htm> .

Policymakers use our Cancer Registry data for planning and evaluation of health services. Please see the website for further information: www.ti.ch/tumori.

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SWITZERLAND, TICINO (1998-2002)



Source of population

Average mid-year annual estimates, based on official numbers of births, deaths, immigrations and emigrations, on December 31st. Office cantonal de statistique.

Multiple primary rules used

IACR rules (2004) on CI5 IX period

Comparability group

This registry population belongs to comparability group A.

SWITZERLAND, TICINO (1998-2002)

Annual incidence per 100,000 by age group - Male

S I T E	ALL AGES	AGE UNK	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CRUDE RATE	(%)	CUM 0-64	CUM 0-74	ASR (W)	ICD (10th)
Lip	2	0	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	5.0	-	-	0.3	0.0	0.01	0.01	0.2	<i>C00</i>
Tongue	25	0	-	-	-	-	-	-	-	-	1.8	5.7	5.6	2.0	9.1	11.3	14.9	9.9	24.6	-	3.4	0.6	0.12	0.25	2.0	<i>C01-02</i>
Mouth	30	0	-	-	-	-	-	-	-	1.6	3.6	9.5	9.4	8.0	9.1	5.7	7.5	9.9	8.2	20.2	4.1	0.7	0.21	0.27	2.6	<i>C03-06</i>
Salivary glands	15	0	-	-	-	-	-	1.9	-	4.7	-	1.9	-	4.0	-	5.7	7.5	9.9	-	20.2	2.0	0.4	0.06	0.13	1.2	<i>C07-08</i>
Tonsil	19	0	-	-	-	-	-	-	-	-	-	-	5.6	8.0	11.4	8.5	7.5	9.9	-	-	2.6	0.5	0.13	0.21	1.6	<i>C09</i>
Other oropharynx	15	0	-	-	-	-	-	-	-	-	-	-	3.8	14.0	6.8	-	3.7	-	8.2	10.1	2.0	0.4	0.12	0.14	1.2	<i>C10</i>
Nasopharynx	6	0	-	-	-	-	-	-	-	-	-	-	1.9	4.0	4.6	2.8	-	-	-	-	0.8	0.1	0.05	0.07	0.5	<i>C11</i>
Hypopharynx	28	0	-	-	-	-	-	-	-	1.8	3.8	11.3	11.3	10.0	11.4	14.2	11.2	5.0	-	-	3.8	0.7	0.19	0.32	2.5	<i>C12-13</i>
Pharynx unspecified	4	0	-	-	-	-	-	-	-	-	-	1.9	1.9	-	-	2.8	3.7	-	-	-	0.5	0.1	0.02	0.05	0.4	<i>C14</i>
Oesophagus	87	0	-	-	-	-	-	-	-	1.8	1.9	22.6	28.1	16.0	36.8	56.0	64.6	57.5	40.4	-	11.8	2.1	0.35	0.82	6.5	<i>C15</i>
Stomach	193	0	-	-	-	-	-	-	4.7	3.1	3.6	19.0	22.6	38.1	43.3	62.3	115.6	149.1	172.5	222.2	26.1	4.7	0.67	1.56	13.9	<i>C16</i>
Small intestine	20	0	-	-	-	-	-	-	1.6	-	3.6	-	-	6.0	9.1	5.7	22.4	9.9	-	-	2.7	0.5	0.10	0.24	1.6	<i>C17</i>
Colon	336	0	-	-	-	-	-	-	-	1.6	3.6	13.3	30.1	38.1	79.8	170.0	227.5	313.2	345.0	302.9	45.5	8.2	0.83	2.82	23.3	<i>C18</i>
Rectum	164	0	-	-	-	-	-	-	1.6	-	3.6	19.0	20.7	40.1	54.7	65.2	100.7	84.5	156.1	101.0	22.2	4.0	0.70	1.53	12.4	<i>C19-20</i>
Anus	3	0	-	-	-	-	-	-	-	-	-	1.9	-	-	2.3	-	-	-	8.2	-	0.4	0.1	0.02	0.02	0.2	<i>C21</i>
Liver	216	0	-	-	-	-	-	-	1.6	4.7	14.3	11.4	20.7	46.1	68.4	113.3	119.4	174.0	147.9	90.9	29.2	5.3	0.84	2.00	16.3	<i>C22</i>
Gallbladder etc.	33	0	-	-	-	-	-	-	-	-	-	3.8	-	4.0	13.7	14.2	26.1	29.8	16.4	30.3	4.5	0.8	0.11	0.31	2.4	<i>C23-24</i>
Pancreas	134	0	-	-	-	-	-	-	-	1.6	3.6	3.8	18.8	26.1	45.6	45.3	70.9	124.3	98.6	141.4	18.1	3.3	0.50	1.08	9.6	<i>C25</i>
Nose, sinuses etc.	12	0	-	-	-	-	-	-	-	-	1.8	1.9	-	-	-	8.5	7.5	14.9	8.2	10.1	1.6	0.3	0.02	0.10	0.9	<i>C30-31</i>
Larynx	94	0	-	-	-	-	-	-	1.6	5.4	5.7	28.2	18.0	31.9	48.2	67.1	59.7	8.2	10.1	-	12.7	2.3	0.45	1.03	7.6	<i>C32</i>
Trachea, bronchus and lung	648	0	-	-	-	-	-	-	4.7	4.7	10.8	32.3	78.9	128.3	232.5	320.2	481.2	452.4	402.5	292.8	87.7	15.8	2.46	6.47	48.8	<i>C33-34</i>
Other thoracic organs	2	0	-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.8	-	-	-	-	0.3	0.0	0.01	0.03	0.2	<i>C37-38</i>
Bone	10	0	-	-	2.6	2.6	-	1.9	4.7	-	-	-	1.9	2.0	4.6	-	-	-	-	-	1.4	0.2	0.10	0.10	1.3	<i>C40-41</i>
Melanoma of skin	148	0	-	-	-	2.6	-	7.6	6.3	6.2	14.3	20.9	26.3	32.1	38.7	62.3	59.7	94.4	49.3	60.6	20.0	3.6	0.78	1.39	12.4	<i>C43</i>
Other skin	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	<i>C44</i>
Mesothelioma	16	0	-	-	-	-	-	-	-	-	1.8	-	-	2.0	11.4	8.5	3.7	9.9	16.4	10.1	2.2	0.4	0.08	0.14	1.2	<i>C45</i>
Kaposi sarcoma	10	0	-	-	-	-	-	-	1.6	1.6	-	-	-	2.0	4.6	2.8	-	-	16.4	20.2	1.4	0.2	0.05	0.06	0.7	<i>C46</i>
Connective and soft tissue	20	0	-	-	-	-	7.1	-	-	3.1	3.6	1.9	1.9	6.0	2.3	2.8	11.2	5.0	8.2	10.1	2.7	0.5	0.13	0.20	2.0	<i>C47,C49</i>
Breast	9	0	-	-	-	-	-	-	-	1.6	-	1.9	-	2.0	2.3	-	7.5	5.0	-	20.2	1.2	0.2	0.04	0.08	0.7	<i>C50</i>
Penis	6	0	-	-	-	-	-	-	-	-	-	-	1.9	4.0	2.3	2.8	-	5.0	-	-	0.8	0.1	0.04	0.06	0.5	<i>C60</i>
Prostate	724	0	-	-	-	-	-	1.9	-	-	-	1.9	24.4	88.2	205.1	405.2	503.6	755.6	616.1	706.9	98.0	17.6	1.61	6.15	49.6	<i>C61</i>
Testis	75	0	-	-	-	2.6	9.4	30.4	26.6	20.2	17.9	3.8	11.3	4.0	4.6	2.8	-	5.0	-	-	10.2	1.8	0.65	0.67	8.6	<i>C62</i>
Other male genital organs	2	0	-	-	-	-	-	-	-	-	-	-	-	2.0	-	-	3.7	-	-	-	0.3	0.0	0.01	0.03	0.2	<i>C63</i>
Kidney	131	0	7.7	-	-	-	-	-	-	10.9	12.5	15.2	11.3	38.1	34.2	73.7	67.1	49.7	57.5	50.5	17.7	3.2	0.65	1.35	11.3	<i>C64</i>
Renal pelvis	8	0	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	3.7	19.9	-	-	1.1	0.2	0.03	0.05	0.5	<i>C65</i>
Ureter	6	0	-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.8	3.7	5.0	16.4	-	0.8	0.1	0.01	0.04	0.4	<i>C66</i>
Bladder	266	0	-	-	-	-	-	-	-	-	5.4	7.6	9.4	50.1	72.9	121.8	171.6	218.7	312.2	262.5	36.0	6.5	0.73	2.19	18.3	<i>C67</i>
Other urinary organs	3	0	-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.8	-	5.0	-	-	0.4	0.1	0.01	0.03	0.2	<i>C68</i>
Eye	4	0	5.1	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	5.0	-	-	0.5	0.1	0.03	0.04	0.8	<i>C69</i>
Brain, nervous system	72	0	2.6	10.0	5.3	2.6	-	1.9	3.1	6.2	7.2	5.7	13.2	14.0	22.8	17.0	44.8	29.8	8.2	10.1	9.7	1.8	0.47	0.78	7.4	<i>C70-72</i>
Thyroid	25	0	-	-	-	-	2.4	3.8	-	7.8	1.8	5.7	3.8	6.0	9.1	5.7	-	5.0	-	10.1	3.4	0.6	0.20	0.23	2.5	<i>C73</i>
Adrenal gland	3	0	2.6	-	-	-	-	1.9	-	-	-	-	-	-	-	-	3.7	-	-	-	0.4	0.1	0.02	0.04	0.5	<i>C74</i>
Other endocrine	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	<i>C75</i>
Hodgkin disease	34	0	2.6	-	-	2.6	9.4	3.8	6.3	3.1	-	15.2	-	4.0	6.8	2.8	7.5	9.9	16.4	-	4.6	0.8	0.27	0.32	3.9	<i>C81</i>
Non-Hodgkin lymphoma	176	0	5.1	2.5	2.6	5.1	-	3.8	11.0	9.3	7.2	9.5	26.3	22.0	61.5	56.7	97.0	89.5	164.3	101.0	23.8	4.3	0.83	1.60	14.6	<i>C82-85,C96</i>
Immunoproliferative diseases	4	0	-	-	-	-	-	-	-	-	-	-	-	-	4.6	2.8	-	5.0	-	-	0.5	0.1	0.02	0.04	0.3	<i>C88</i>
Multiple myeloma	44	0	-	-	-	-	-	-	-	-	1.8	1.9	9.4	8.0	9.1	17.0	18.7	39.8	65.7	20.2	6.0	1.1	0.15	0.33	3.1	<i>C90</i>
Lymphoid leukaemia	44	0	15.4	2.5	-	-	-	-	-	-	3.6	1.9	-	4.0	20.5	11.3	29.8	9.9	32.9	50.5	6.0	1.1	0.24	0.45	4.9	<i>C91</i>
Myeloid leukaemia	49	0	2.6	-	-	2.6	-	5.7	1.6	6.2	3.6	3.8	5.6	10.0	11.4	11.3	-	49.7	41.1	30.3	6.6	1.2	0.27	0.32	4.2	<i>C92-94</i>
Leukaemia unspecified	5	0	-	-	-	-	-	-	-	-	1.8	-	-	-	2.3	-	3.7	5.0	8.2	-	0.7	0.1	0.02	0.04	0.4	<i>C95</i>
Myeloproliferative disorders	2	0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	8.2	-	0.3	0.0	0.00	0.01	0.1	<i>MPD</i>
Myelodysplastic syndromes	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	<i>MDS</i>
Other and unspecified	128	0	-	-	-	-	2.4	-	-	-	3.6	1.9	15.0	26.1	34.2	62.3	56.0	84.5	139.7	171.7	17.3	3.1	0.42	1.01	9.1	<i>O&U</i>
All sites	4110	0	43.6	15.0	10.5	20.6	30.7	64.6	75.2	99.5	145.1	237.3	443.5	749.6	1228.6	1824.8	2447.0	3037.2	3039.5	2827.4	556.3		15.82	37.18	315.3	<i>ALL</i>
All sites but C44	4110	0	43.6	15.0	10.5	20.6	30.7	64.6	75.2	99.5	145.1	237.3	443.5	749.6	1228.6	1824.8	2447.0	3037.2	3039.5	2827.4	556.3	100.0	15.82	37.18	315.3	<i>ALLbC44</i>

See notes on population page.

Cancer Incidence in Five Continents Vol. IX, IARC - 2007

SWITZERLAND, TICINO (1998-2002)

Annual incidence per 100,000 by age group - Female

S I T E	ALL AGES	AGE UNK	0-	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	CRUDE RATE	(%)	CUM 0-64	CUM 0-74	ASR (W)	ICD (10th)
Lip	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	C00
Tongue	6	0	-	-	-	-	-	-	-	-	1.8	1.9	-	-	2.1	-	-	-	8.4	3.5	0.7	0.2	0.03	0.03	0.4	C01-02
Mouth	20	0	-	-	-	-	-	-	-	-	-	5.6	1.9	6.4	4.7	5.2	-	4.2	17.7	2.5	0.5	0.10	0.15	1.3	C03-06	
Salivary glands	3	0	-	-	-	-	-	1.8	-	-	-	-	1.8	-	-	2.6	-	-	-	0.4	0.1	0.02	0.03	0.3	C07-08	
Tonsil	5	0	-	-	-	-	-	-	-	-	-	1.9	1.8	-	4.7	-	3.0	-	-	0.6	0.1	0.02	0.04	0.4	C09	
Other oropharynx	6	0	-	-	-	-	-	-	-	-	1.8	-	1.8	1.9	-	2.4	-	5.9	-	0.7	0.2	0.03	0.04	0.4	C10	
Nasopharynx	3	0	-	-	-	-	-	-	-	-	1.8	1.9	-	-	-	2.6	-	-	-	0.4	0.1	0.02	0.03	0.3	C11	
Hypopharynx	5	0	-	-	-	-	-	-	-	1.5	-	-	-	3.8	-	2.4	2.6	-	-	0.6	0.1	0.03	0.05	0.4	C12-13	
Pharynx unspecified	2	0	-	-	-	-	-	-	-	-	-	1.9	-	-	-	-	-	-	3.5	0.2	0.1	0.01	0.01	0.1	C14	
Oesophagus	27	0	-	-	-	-	-	-	1.5	-	1.9	3.6	5.7	8.5	4.7	7.8	17.7	-	17.7	3.3	0.7	0.11	0.17	1.5	C15	
Stomach	140	0	-	-	-	-	-	-	1.5	5.3	3.7	5.4	15.2	25.6	14.2	52.3	76.8	101.1	124.0	17.3	3.7	0.28	0.62	5.9	C16	
Small intestine	15	0	-	-	-	-	-	-	-	-	-	3.6	-	8.5	2.4	5.2	5.9	12.6	3.5	1.9	0.4	0.06	0.10	0.8	C17	
Colon	307	0	-	-	-	-	-	-	3.0	1.5	14.1	11.2	34.4	19.0	64.1	82.7	107.2	153.6	202.1	37.9	8.1	0.74	1.69	15.0	C18	
Rectum	132	0	-	-	-	-	-	3.6	1.5	-	5.3	3.7	14.5	22.8	29.9	42.5	52.3	38.4	101.1	16.3	3.5	0.41	0.88	7.2	C19-20	
Anus	15	0	-	-	2.8	-	-	-	-	1.5	-	1.9	-	-	6.4	4.7	2.6	8.9	4.2	1.9	0.4	0.4	0.06	0.10	1.0	C21
Liver	64	0	2.7	-	-	-	-	-	-	-	-	5.4	11.4	6.4	21.3	28.8	32.5	33.7	42.5	7.9	1.7	0.13	0.38	3.2	C22	
Gallbladder etc.	40	0	-	-	-	-	-	-	-	-	-	1.9	7.2	5.7	6.4	16.5	10.5	26.6	16.8	4.9	1.1	0.11	0.24	2.1	C23-24	
Pancreas	141	0	-	-	-	-	-	-	1.5	-	-	5.6	3.6	22.8	19.2	33.1	41.8	73.8	109.5	17.4	3.7	0.26	0.64	6.0	C25	
Nose, sinuses etc.	3	0	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	7.1	0.4	0.1	0.01	0.01	0.1	C30-31	
Larynx	13	0	-	-	-	-	-	-	-	-	-	5.6	3.6	1.9	4.3	4.7	2.6	3.0	-	1.6	0.3	0.08	0.11	1.0	C32	
Trachea, bronchus and lung	250	0	-	-	-	2.7	-	-	-	3.0	21.1	16.8	32.6	55.2	74.8	75.6	94.1	106.3	80.0	30.9	6.6	1.03	1.88	15.5	C33-34	
Other thoracic organs	3	0	-	-	-	-	-	-	-	-	-	-	-	1.9	-	-	2.6	-	-	0.4	0.1	0.01	0.02	0.1	C37-38	
Bone	10	0	-	-	2.8	2.7	-	3.6	-	-	1.8	-	-	1.9	-	2.4	2.6	-	8.4	1.2	0.3	0.06	0.09	1.1	C40-41	
Melanoma of skin	176	0	-	-	2.8	2.7	11.6	5.5	15.2	32.0	26.4	31.8	29.0	30.4	36.3	21.3	20.9	59.1	33.7	21.8	4.7	1.12	1.33	14.3	C43	
Other skin	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	C44	
Mesothelioma	6	0	-	-	-	-	-	-	-	-	-	-	-	2.1	2.4	7.8	3.0	-	-	0.7	0.2	0.01	0.06	0.3	C45	
Kaposi sarcoma	3	0	-	-	-	-	-	-	-	-	1.8	-	-	-	-	2.6	-	-	3.5	0.4	0.1	0.01	0.02	0.2	C46	
Connective and soft tissue	17	0	2.7	-	-	-	-	-	-	-	-	1.9	5.4	3.8	-	2.4	5.2	5.9	12.6	2.1	0.5	0.07	0.11	1.2	C47,C49	
Breast	1130	0	-	-	-	-	2.3	5.5	19.8	68.6	101.9	198.3	213.7	277.8	267.1	297.6	324.2	298.3	303.2	139.7	30.0	5.78	8.88	78.0	C50	
Vulva	32	0	-	-	-	-	-	-	-	-	-	-	3.6	3.8	2.1	7.1	15.7	20.7	12.6	4.0	0.8	0.05	0.16	1.4	C51	
Vagina	7	0	-	-	-	-	-	-	-	-	-	-	1.8	-	4.7	-	8.9	4.2	-	0.9	0.2	0.01	0.03	0.3	C52	
Cervix uteri	86	0	-	-	-	-	-	5.5	4.6	13.7	17.6	18.7	9.1	15.2	10.7	14.2	20.9	14.8	29.5	10.6	2.3	0.47	0.65	6.5	C53	
Corpus uteri	160	0	-	-	-	-	-	1.8	-	3.0	1.8	7.5	16.3	40.0	53.4	56.7	65.4	56.1	63.2	19.8	4.2	0.62	1.23	9.6	C54	
Uterus unspecified	26	0	-	-	-	-	-	-	-	-	-	1.9	5.4	5.7	6.4	2.4	18.3	5.9	8.4	3.2	0.7	0.10	0.20	1.5	C55	
Ovary	128	0	-	-	-	2.7	-	3.6	1.5	4.6	8.8	28.1	19.9	32.3	21.4	42.5	52.3	26.6	29.5	15.8	3.4	0.61	1.09	9.1	C56	
Other female genital organs	17	0	-	-	-	-	-	-	-	-	-	-	1.8	-	-	7.1	10.5	8.9	4.2	2.1	0.5	0.01	0.10	0.7	C57	
Placenta	1	0	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	0.1	0.0	0.01	0.01	0.1	C58	
Kidney	62	0	-	-	-	2.7	-	-	1.5	-	1.8	3.7	5.4	7.6	17.1	16.5	26.1	35.4	33.7	7.7	1.6	0.20	0.41	3.6	C64	
Renal pelvis	2	0	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	-	4.2	-	0.2	0.1	0.00	0.01	0.1	C65	
Ureter	6	0	-	-	-	-	-	-	-	-	-	1.9	1.8	-	-	2.6	3.0	4.2	3.5	0.7	0.2	0.02	0.03	0.3	C66	
Bladder	74	0	-	-	-	-	-	-	-	-	-	5.6	1.8	7.6	12.8	18.9	31.4	44.3	46.3	9.1	2.0	0.14	0.39	3.4	C67	
Other urinary organs	4	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	8.4	-	0.5	0.1	0.00	0.00	0.1	C68	
Eye	2	0	-	-	-	-	-	-	-	-	-	-	-	2.1	-	2.6	-	-	-	0.2	0.1	0.01	0.02	0.1	C69	
Brain, nervous system	60	0	-	2.7	5.5	-	2.3	3.6	1.5	4.6	5.3	7.5	5.4	13.3	6.4	11.8	10.5	26.6	29.5	7.4	1.6	0.29	0.40	4.5	C70-72	
Thyroid	55	0	-	-	2.7	9.3	7.3	3.0	6.1	8.8	-	10.9	15.2	10.7	9.4	13.1	8.9	12.6	3.5	6.8	1.5	0.37	0.48	4.9	C73	
Adrenal gland	2	0	-	2.7	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	0.2	0.1	0.01	0.03	0.3	C74	
Other endocrine	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	C75	
Hodgkin disease	37	0	-	-	-	10.6	20.9	3.6	1.5	7.6	1.8	1.9	-	7.6	2.1	4.7	5.2	8.9	4.2	4.6	1.0	0.29	0.34	4.5	C81	
Non-Hodgkin lymphoma	176	0	5.4	-	2.8	-	2.3	5.5	6.1	9.1	7.0	9.4	12.7	36.1	23.5	56.7	75.8	82.7	80.0	21.8	4.7	0.60	1.26	11.1	C82-85,C96	
Immunoproliferative diseases	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	0.1	0.00	0.00	0.1	C88	
Multiple myeloma	63	0	-	-	-	-	-	-	-	-	-	-	3.6	5.7	10.7	7.1	49.7	35.4	42.1	7.8	1.7	0.10	0.38	2.8	C90	
Lymphoid leukaemia	32	0	-	5.3	-	2.7	-	-	-	-	1.8	1.9	1.8	3.8	6.4	11.8	5.2	14.8	16.8	4.0	0.8	0.12	0.20	2.3	C91	
Myeloid leukaemia	33	0	-	-	-	-	2.3	-	-	-	1.8	-	5.4	5.7	12.8	4.7	13.1	8.9	16.8	4.1	0.9	0.14	0.23	2.0	C92-94	
Leukaemia unspecified	8	0	-	-	2.8	-	-	-	-	-	-	-	1.8	-	-	-	-	-	12.6	1.0	0.2	0.02	0.02	0.5	C95	
Myeloproliferative disorders	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	MPD	
Myelodysplastic syndromes	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.0	0.00	0.00	0.0	MDS	
Other and unspecified	149	0	-	-	-	-	-	-	3.0	7.0	11.2	5.4	7.6	12.8	28.3	26.1	85.6	75.8	194.9	18.4	4.0	0.24	0.51	6.0	O&U	
All sites	3767	0	10.7	10.6	19.4	29.3	51.2	51.0	61.0	164.7	247.8	396.6	487.2	690.6	779.9	949.5	1231.3	1420.5	1570.8	465.6		15.00	25.90	233.7	ALL	
All sites but C44	3767	0	10.7	10.6	19.4	29.3	51.2	51.0	61.0	164.7	247.8	396.6	487.2	690.6	779.9	949.5	1231.3	1420.5	1570.8	465.6	100.0	15.00	25.90	233.7	ALLbC44	

See notes on population page.

SWITZERLAND, TICINO (1998-2002)

SITE	MALE						FEMALE						ICD-10
	No. cases	Freq. (%)	Crude rate (per 100,000)	ASR world	Cum. rates 0-64 (percent)	Cum. rates 0-74 (percent)	No. cases	Freq. (%)	Crude rate (per 100,000)	ASR world	Cum. rates 0-64 (percent)	Cum. rates 0-74 (percent)	
Lip	2	0.0	0.3	0.2	0.01	0.01	0	0.0	0.0	0.0	0.00	0.00	C00
Tongue	25	0.6	3.4	2.0	0.12	0.25	6	0.2	0.7	0.4	0.03	0.03	C01-02
Mouth	30	0.7	4.1	2.6	0.21	0.27	20	0.5	2.5	1.3	0.10	0.15	C03-06
Salivary glands	15	0.4	2.0	1.2	0.06	0.13	3	0.1	0.4	0.3	0.02	0.03	C07-08
Tonsil	19	0.5	2.6	1.6	0.13	0.21	5	0.1	0.6	0.4	0.02	0.04	C09
Other oropharynx	15	0.4	2.0	1.2	0.12	0.14	6	0.2	0.7	0.4	0.03	0.04	C10
Nasopharynx	6	0.1	0.8	0.5	0.05	0.07	3	0.1	0.4	0.3	0.02	0.03	C11
Hypopharynx	28	0.7	3.8	2.5	0.19	0.32	5	0.1	0.6	0.4	0.03	0.05	C12-13
Pharynx unspecified	4	0.1	0.5	0.4	0.02	0.05	2	0.1	0.2	0.1	0.01	0.01	C14
Oesophagus	87	2.1	11.8	6.5	0.35	0.82	27	0.7	3.3	1.5	0.11	0.17	C15
Stomach	193	4.7	26.1	13.9	0.67	1.56	140	3.7	17.3	5.9	0.28	0.62	C16
Small intestine	20	0.5	2.7	1.6	0.10	0.24	15	0.4	1.9	0.8	0.06	0.10	C17
Colon	336	8.2	45.5	23.3	0.83	2.82	307	8.1	37.9	15.0	0.74	1.69	C18
Rectum	164	4.0	22.2	12.4	0.70	1.53	132	3.5	16.3	7.2	0.41	0.88	C19-20
Anus	3	0.1	0.4	0.2	0.02	0.02	15	0.4	1.9	1.0	0.06	0.10	C21
Liver	216	5.3	29.2	16.3	0.84	2.00	64	1.7	7.9	3.2	0.13	0.38	C22
Gallbladder etc.	33	0.8	4.5	2.4	0.11	0.31	40	1.1	4.9	2.1	0.11	0.24	C23-24
Pancreas	134	3.3	18.1	9.6	0.50	1.08	141	3.7	17.4	6.0	0.26	0.64	C25
Nose, sinuses etc.	12	0.3	1.6	0.9	0.02	0.10	3	0.1	0.4	0.1	0.01	0.01	C30-31
Larynx	94	2.3	12.7	7.6	0.45	1.03	13	0.3	1.6	1.0	0.08	0.11	C32
Trachea, bronchus and lung	648	15.8	87.7	48.8	2.46	6.47	250	6.6	30.9	15.5	1.03	1.88	C33-34
Other thoracic organs	2	0.0	0.3	0.2	0.01	0.03	3	0.1	0.4	0.1	0.01	0.02	C37-38
Bone	10	0.2	1.4	1.3	0.10	0.10	10	0.3	1.2	1.1	0.06	0.09	C40-41
Melanoma of skin	148	3.6	20.0	12.4	0.78	1.39	176	4.7	21.8	14.3	1.12	1.33	C43
Other skin	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	C44
Mesothelioma	16	0.4	2.2	1.2	0.08	0.14	6	0.2	0.7	0.3	0.01	0.06	C45
Kaposi sarcoma	10	0.2	1.4	0.7	0.05	0.06	3	0.1	0.4	0.2	0.01	0.02	C46
Connective and soft tissue	20	0.5	2.7	2.0	0.13	0.20	17	0.5	2.1	1.2	0.07	0.11	C47,C49
Breast	9	0.2	1.2	0.7	0.04	0.08	1130	30.0	139.7	78.0	5.78	8.88	C50
Vulva							32	0.8	4.0	1.4	0.05	0.16	C51
Vagina							7	0.2	0.9	0.3	0.01	0.03	C52
Cervix uteri							86	2.3	10.6	6.5	0.47	0.65	C53
Corpus uteri							160	4.2	19.8	9.6	0.62	1.23	C54
Uterus unspecified							26	0.7	3.2	1.5	0.10	0.20	C55
Ovary							128	3.4	15.8	9.1	0.61	1.09	C56
Other female genital organs							17	0.5	2.1	0.7	0.01	0.10	C57
Placenta							1	0.0	0.1	0.1	0.01	0.01	C58
Penis	6	0.1	0.8	0.5	0.04	0.06							C60
Prostate	724	17.6	98.0	49.6	1.61	6.15							C61
Testis	75	1.8	10.2	8.6	0.65	0.67							C62
Other male genital organs	2	0.0	0.3	0.2	0.01	0.03							C63
Kidney	131	3.2	17.7	11.3	0.65	1.35	62	1.6	7.7	3.6	0.20	0.41	C64
Renal pelvis	8	0.2	1.1	0.5	0.03	0.05	2	0.1	0.2	0.1	0.00	0.01	C65
Ureter	6	0.1	0.8	0.4	0.01	0.04	6	0.2	0.7	0.3	0.02	0.03	C66
Bladder	266	6.5	36.0	18.3	0.73	2.19	74	2.0	9.1	3.4	0.14	0.39	C67
Other urinary organs	3	0.1	0.4	0.2	0.01	0.03	4	0.1	0.5	0.1	0.00	0.00	C68
Eye	4	0.1	0.5	0.8	0.03	0.04	2	0.1	0.2	0.1	0.01	0.02	C69
Brain, nervous system	72	1.8	9.7	7.4	0.47	0.78	60	1.6	7.4	4.5	0.29	0.40	C70-72
Thyroid	25	0.6	3.4	2.5	0.20	0.23	55	1.5	6.8	4.9	0.37	0.48	C73
Adrenal gland	3	0.1	0.4	0.5	0.02	0.04	2	0.1	0.2	0.3	0.01	0.03	C74
Other endocrine	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	C75
Hodgkin disease	34	0.8	4.6	3.9	0.27	0.32	37	1.0	4.6	4.5	0.29	0.34	C81
Non-Hodgkin lymphoma	176	4.3	23.8	14.6	0.83	1.60	176	4.7	21.8	11.1	0.60	1.26	C82-85,C96
Immunoproliferative diseases	4	0.1	0.5	0.3	0.02	0.04	3	0.1	0.4	0.1	0.00	0.00	C88
Multiple myeloma	44	1.1	6.0	3.1	0.15	0.33	63	1.7	7.8	2.8	0.10	0.38	C90
Lymphoid leukaemia	44	1.1	6.0	4.9	0.24	0.45	32	0.8	4.0	2.3	0.12	0.20	C91
Myeloid leukaemia	49	1.2	6.6	4.2	0.27	0.32	33	0.9	4.1	2.0	0.14	0.23	C92-94
Leukaemia unspecified	5	0.1	0.7	0.4	0.02	0.04	8	0.2	1.0	0.5	0.02	0.02	C95
Myeloproliferative disorders	2	0.0	0.3	0.1	0.00	0.01	0	0.0	0.0	0.0	0.00	0.00	MPD
Myelodysplastic syndromes	0	0.0	0.0	0.0	0.00	0.00	0	0.0	0.0	0.0	0.00	0.00	MDS
Other and unspecified	128	3.1	17.3	9.1	0.42	1.01	149	4.0	18.4	6.0	0.24	0.51	O&U
All sites	4110		556.3	315.3	15.82	37.18	3767		465.6	233.7	15.00	25.90	ALL
All sites but C44	4110	100.0	556.3	315.3	15.82	37.18	3767	100.0	465.6	233.7	15.00	25.90	ALLbC44