



information



formation



recherche



coopération
internationale

SURVIVAL PROBABILITIES FOR CANCER CASES REPORTED BETWEEN 1984 AND 1998 IN QUEBEC

Observed & Relative Survival

INSTITUT NATIONAL DE SANTÉ PUBLIQUE DU QUÉBEC

SURVIVAL PROBABILITIES
FOR CANCER CASES REPORTED
BETWEEN 1984 AND 1998 IN QUEBEC

Observed & Relative Survival

DIRECTION PLANIFICATION, RECHERCHE ET INNOVATION
UNITÉ CONNAISSANCE-SURVEILLANCE

SEPTEMBER 2003

AUTHORS

Rabiâ Louchini
*Unité Connaissance-surveillance
Direction Planification, recherche et innovation
Institut national de santé publique du Québec*

Michel Beaupré
*Direction de la promotion de la santé et du bien-être
Ministère de la Santé et des Services sociaux*

TABLES, FIGURES AND PAGE LAYOUT

Line Mailloux

SUGGESTED REFERENCE

Louchini, R., Beaupré, M. (2003). *Survival Probabilities for Cancer Cases Reported between 1984 and 1998 in Quebec*. Institut national de santé publique du Québec.

This document is available in its entirety on the INSPQ Web site: <http://www.inspq.qc.ca>

Ce document est aussi disponible en français sur le site Web de l'Institut national de santé publique du Québec au <http://www.inspq.qc.ca> sous le titre « La survie reliée au cancer pour les nouveaux cas déclarés au Québec, de 1984 à 1998, Survie observée et survie relative ».

Reproduction for non-commercial purposes is permitted, provided the source is acknowledged.

GRAPHIC DESIGN
MARIE PIER ROY

DOCUMENT FILED WITH SANTÉCOM (<http://www.santecom.qc.ca>)
CODE: INSPQ-2003-044

LEGAL DEPOSIT: 4TH QUARTER 2003
BIBLIOTHÈQUE NATIONALE DU QUÉBEC
NATIONAL LIBRARY OF CANADA
ISBN 2-550-41543-4

©Institut national de santé publique du Québec (2003)

ACKNOWLEDGEMENTS

We would like to thank all those who contributed to this report in any way. Special thanks go to Mr. Robert Pampalon and Mr. Denis Hamel from the Institut national de santé publique du Québec (INSPQ) for their invaluable contribution to this report. For their input in the development of this final document, we would like to thank Ms Danielle St-Laurent from INSPQ, Ms Marie Rochette from the Ministère de la Santé et des Services sociaux, Ms Ghislaine Villeneuve from Statistics Canada, Mr. Larry Ellison from Statistics Canada, and Mr. Robert Choinière from INSPQ.

FOREWORD

In May 2002, in cooperation with the Ministère de la Santé et Services sociaux, the Institut national de santé publique du Québec (INSPQ) published survival tables for the four main cancer sites—lung, breast (female), colorectal, and prostate—for cases reported to the Quebec Cancer Registry (QCR) in 1992. These cases were used to calculate the relative survival probability five years after diagnosis.

The study was designed to measure the quality of the incidence and mortality data used to calculate survival probabilities and determine vital status. It has also served to illustrate the decisive impact of data quality on results. Data was also compared with the five year relative survival probabilities in other Canadian provinces despite the fact that Quebec does not establish the date of diagnosis in the same manner and draws its incidence information from a different source.

This report is a continuation of the overall project. Here, survival probabilities have been calculated for all cancer sites reported to the Quebec Cancer Registry between 1984 and 1998, according to cancer site, age, and sex. Pediatric cancers have been analyzed separately. Moreover, survival probabilities have not been calculated exclusively for five year periods as in the previous report, but rather for 1, 3, 5, 8, and 10 year periods (according to availability).

CONTENTS

1. INTRODUCTION	1
2. METHOD	3
3. RESULTS, ADULT PATIENTS.....	5
Population	5
Summary	6
Results by site	12
Lip (ICD-9 140)	12
Tongue (ICD-9 141).....	14
Salivary glands (ICD-9 142).....	16
Gum (ICD-9 143)	18
Floor of mouth (ICD-9 144).....	20
Other and unspecified parts of mouth (ICD-9 145).....	22
Oropharynx (ICD-9 146)	24
Nasopharynx (ICD-9 147).....	26
Hypopharynx (ICD-9 148).....	28
Other and ill-defined sites within the lip, oral cavity, and pharynx (ICD-9 149).....	30
Oesophagus (ICD-9 150).....	32
Stomach (ICD-9 151).....	34
Small intestine (ICD-9 152).....	36
Colo rectal (ICD-9 153-154).....	38
Liver (ICD-9 155)	40
Biliary tract (ICD-9 156)	42
Pancreas (ICD-9 157)	44
Retroperitoneum and peritoneum (ICD-9 158)	46
Other and ill-defined sites within the digestive organs and peritoneum (ICD-9 159)	48
Nasal cavities (ICD-9 160)	50
Larynx (ICD-9 161)	52
Lung (ICD-9 162)	54
Pleura (ICD-9 163).....	56
Thymus, heart, and mediastinum (ICD-9 164)	58
Bone (ICD-9 170).....	60
Soft tissues (ICD-9 171)	62
Melanoma of skin (ICD-9 172).....	64
Female breast (ICD-9 174).....	66
Male breast (ICD-9 175)	68
Uterus, part unspecified (ICD-9 179)	70
Cervix uteri (ICD-9 180).....	72

Placenta (ICD-9 181)	74
Corpus uteri (ICD-9 182).....	76
Ovary (ICD-9 183).....	78
Vagina and vulva (ICD-9 184).....	80
Prostate (ICD-9 185).....	82
Testis (ICD-9 186).....	84
Penis (ICD-9 187)	86
Bladder (ICD-9 188).....	88
Kidney (ICD-9 189)	90
Eye (ICD-9 190)	92
Brain (ICD-9 191)	94
Other and unspecified parts of nervous system (ICD-9 192)	96
Thyroid gland (ICD-9 193)	98
Other endocrine glands and related structures (ICD-9 194).....	100
Lymphosarcoma and reticulosarcoma (ICD-9 200).....	102
Hodgkin's disease (ICD-9 201).....	104
Other malignant neoplasms of lymphoid and histiocytic tissue (ICD-9 202)	106
Multiple myeloma (ICD-9 203)	108
Leukemia (ICD-9 204-208)	110
4. CHILDHOOD CANCERS RESULTS	113
Results by site	113
Nasopharynx (children) (ICD-9 147)	113
Bone (children) (ICD-9 170).....	114
Ovary (children) (ICD-9 183).....	116
Testis (children) (ICD-9 186).....	118
Kidney (children) (ICD-9 189)	120
Brain (children) (ICD-9 191).....	122
Hodgkin's disease (children) (ICD-9 201)	124
Leukemia (children) (ICD-9 204-208)	126
5. DISCUSSION	129
6. REFERENCES	131
APPENDIX 1.....	133

1. INTRODUCTION

Definition

In general, survival refers to the amount of time that elapses between the initial diagnosis of cancer and the patient's death. The estimated survival period for a cancer, along with incidence and mortality, is the main tool used to measure a patient's health and guide cancer monitoring and control initiatives. More specifically, survival time is an important means of measuring the effectiveness of the treatment and care a patient receives and the success of initiatives to promote early diagnosis.

As opposed to a general clinical study of survival addressing a narrow target group, this cancer study addresses all patient groups, making it possible to evaluate the resources needed for cancer treatment and rehabilitation.

This document presents survival probabilities at 1, 3, 5, 8, and 10 year periods. These periods correspond to distinct phases of the disease. One-year survival data illustrates either the success of steps taken immediately to control cancer or the progression of the disease since initial diagnosis. Five- and ten-year survival probabilities, on the other hand, indicate remission and recovery. As a general rule, the older the patient at the time of diagnosis, the shorter the estimated survival period.

Interpretation of Survival

The results obtained from the survival tables serve several purposes. First, they can be used to compare the relative lethality of various cancer sites. The shorter the average survival period for a particular cancer site, the higher its lethality. The results also illustrate that a patient's sex and age at the time of diagnosis have a major impact on the estimated survival period.

Two other factors also affect estimated survival—the severity or stage of the disease at the time of diagnosis and the effectiveness of treatment—although the relative weight of these two factors is not known. Naturally, detecting cancer at an early stage of development and providing effective treatment contribute to a longer survival period.

When changes in survival are observed, they must be analyzed in conjunction with any changes in incidence and mortality. If an increase in survival accompanies an increase in incidence but has little effect on mortality, it may be due to earlier diagnosis but not necessarily more effective treatment. If an increase in survival accompanies a drop in mortality without any significant change in incidence, it can be deduced that treatment has become more effective. Should both survival and incidence rise while mortality falls, it would stand to reason that both early detection and treatment have improved.

A number of other factors also come into play when interpreting and explaining survival statistics, such as preventive measures like mammograms and Pap tests, the impact of a change in mortality due to other causes of death, the availability of treatment that can begin immediately after diagnosis, and public awareness about the importance of prevention.

Limits and Significance of Results

Certain factors are inherent to the data used to calculate survival tables and must be taken into consideration because of their dramatic impact on results. Neither the stage of the cancer (severity at the time of diagnosis) nor the size of the tumor are recorded in the Quebec Cancer Registry, which is used to record incidence and moment of diagnosis. This information gap reflects the major hurdles that must be overcome for accurate data collection (specialized resources, standardized interpretation of tissue samples, consensus on coding standards). As a result, the expected survival probability calculated for each cancer site is slightly skewed as it represents an average of all cases at all stages of the disease.

Furthermore, the actual date of diagnosis is not always available because the Quebec Cancer Registry collects its information from hospitalization and day surgery records. Of course, depending on the type of cancer, a patient may not require hospitalization or day surgery for quite some time after diagnosis. In some cases, hospitalization is only required at an advanced or terminal stage of the disease. This factor applies to some types of cancer more than others. Cases treated on an out-patient basis are absent from the registry, which limits the accuracy of the registry and results in calculations that may be below the actual survival probability. These factors affecting data quality were thoroughly documented in the previous report on survival in Quebec (Louchini, 2002).

In 1996, a study was conducted on the registry's completeness. Despite the fact that a single source of information is used for the registry, the results were excellent, at least for histopathologically confirmed cases, which account for some 80% of all cancers. In fact, the reporting of new histopathologically confirmed cases was deemed accurate to within 92% (Brisson et al., 2003). The only two sites for which reporting to the registry was relatively low were prostate cancer, at 68%, and skin cancer, at 65%. When these two cancer sites are excluded, the registry is complete to within 96% (Brisson et al., 2003). As for histopathologically unconfirmed cases, the quality of the data and the accuracy of the date of diagnosis remain unknown.

All these factors affecting the quality of the data available must be taken into consideration when interpreting the results.

Objective

This report presents the observed and relative survival probabilities for each cancer site (ICD-9, 140 to 208). The results are presented in two sections, the first for adult patients and the second for children. The study was based on all cancer cases reported to the cancer registry between 1984 and 1998 inclusively.

2. METHOD

Eligibility Criteria

This study was based on newly diagnosed cancer cases that were reported to the cancer registry. The cases retained were the first primary tumors* reported between 1984 and 1998 inclusively in individuals under the age of 100 at the time of diagnosis. Subsequent primary cancers were excluded. Also excluded from the study were cases missing information as to the patient's sex, date of birth (no year), or date of diagnosis (no year), and the few cases in which the sex of the patient and the cancer site were incompatible, the date of diagnosis preceded the date of birth, or the date of death preceded the date of diagnosis.

Estimated Relative Survival

For this analysis, relative survival has been used to estimate any overstatement of mortality or net survival for a given cancer. Relative survival is a ratio between the observed survival of a group of cancer patients and the expected survival of a comparable group of individuals from the general population of the same sex, age, and period structure who are theoretically cancer-free. Relative survival has been calculated using a SAS program developed by Paul Dickman (2002).

Observed survival probabilities have been calculated according to the actuarial method, meaning a ratio between the number of survivors at the end of the study period and the number of cases at the beginning of the period.

To estimate the expected survival probability, we have used three mortality tables for Quebec's general population. These tables are Statistics Canada publications. The 1986 and 1991 mortality tables provide information on expected survival according to sex and age up to 85 years of age or over. The 1996 tables, on the other hand, provide the information according to sex and age up to 109 years of age or over (Statistics Canada, 1990; Millar et al., 1995; Duchesne et al., 2002). Since data on expected survival is only provided up to age 84 in the 1986 and 1991 tables, Statistics Canada has extended its mortality tables (Ellison et al., 2002) to the age of 99 according to the method proposed by Dickman et al. in 1998. To estimate the expected survival period for each individual, we have used the Ederer II formula (Ederer and Heise, 1959). The 1986 mortality table has been used to estimate the expected survival probability from 1984 to 1988, the 1991 table has been used for 1989 to 1993, and the 1996 table for 1994 to 1999.

Incidence and Mortality Data

The data on the incidence of cancer diagnosed in Quebec between 1984 and 1998 inclusively has been taken from the Quebec Cancer Registry (QCR). The QCR, it should be noted, is developed using hospitalization and day surgery records. The date of diagnosis recorded in the QCR is defined as the date of discharge from the hospital.

To determine the vital status of a cancer patient whose case has been reported to the QCR, the incidence file must be linked with the Quebec Deaths File for 1984 to 1999. The linkage of these two files is described in the report "Cancer Survival of Newly Diagnosed Cases, Quebec 1992" (Louchini, 2002), with a section discussing data quality.

Period

The observed and relative survival estimates have been calculated over a maximum period of 15 years. For each cancer site, a table summarizes the estimated observed and relative survival

* The original cancer site, from which cancer cells can spread to other parts of the body through the lymphatic system and create secondary cancer sites or metastases

probabilities at 1, 3, 5, 8, and 10 years after diagnosis, by age, sex, and diagnosis period. Five three-year periods have been used: 1984 to 1986, 1987 to 1989, 1990 to 1992, 1993 to 1995, and 1996 to 1998. Given that vital status information is available only up to 1999, the five-year survival for the 1993–1995 period has actually been calculated only for 1993–1994. Likewise, the three-year survival period for 1996–1998 has actually been calculated only for 1996. Age groups have been established as per the EUROCARE Study (Berrino et al., 1999; Berrino et al., 1995). For adults, the age groups are as follows: 15 to 44, 45 to 54, 55 to 64, 65 to 74, and 75 to 99. For children, however, age groups differ for each cancer site.

Also illustrated is the estimated relative survival for each sex according to diagnosis period and age group, along with the confidence interval in order to show the accuracy of the estimate.

Analysis

Although we have shown the survival estimates for all cancer sites, only certain sites are accompanied by a descriptive analysis. The adult cancers that have been analyzed are listed in the following table:

ICD-9	Site
140	Lip
141	Tongue
142	Salivary glands
150	Oesophagus
151	Stomach
153-154	Colo rectal
155	Liver
157	Pancreas
159	Digestive organs and peritoneum (other and ill-defined sites)
161	Larynx
162	Lung
172	Melanoma of skin
174	Female breast
180	Cervix uteri
182	Corpus uteri
183	Ovary
184	Vagina and vulva
185	Prostate
186	Testis
188	Bladder
189	Kidney
191	Brain
200	Lymphosarcoma et reticulosarcoma
201	Hodgkin's disease
202	Lymphoid and histiocytic tissue
204 à 208	Leukemia

While observed survival and relative survival estimates are presented side by side, only relative survival has been analyzed. In our comparisons (by age or period), we have therefore provided confidence intervals in order to differentiate between comparison groups. Indeed, when confidence intervals do not overlap, a significant difference between study groups is clearly evident.

3. RESULTS, ADULT PATIENTS

Population

The number of new cases and the number of deaths among these cases during a given study period, by cancer site and sex, are presented in the table below. Lung cancer is the leading cancer in men in terms of incidence and mortality. Over the 15 year study period, 46,984 new cases of primary lung cancer (25%) were reported and 39,976 (35%) of the patients died within five years. Prostate cancer was the second most common in men, with 35,206 new cases reported (19%) and 13,547 deaths (12%). New cases of colorectal cancer rated third (15%), followed by bladder cancer (7%), stomach cancer (4%), kidney cancer (3%), leukemia (3%), and pancreatic cancer (3%).

For women, the incidence of first primary breast cancer topped the charts with 52,622 new cases (30%), although lung cancer had the highest number of deaths, at 16,740 (21%). The second highest incidence was colorectal cancer with 25,620 new cases (15%), followed by lung cancer with 20,077 new cases (12%) and endometrial cancer with 9,712 new cases (6%).

From the total number of new cases studied, only four were excluded due to incompatibility between sex and cancer site (report of three new cases of female breast cancer in male patients and one new case of testicular cancer in a female patient).

See the appendix for the number of new cases and related deaths by diagnosis period, sex, and age.

Number of cases studied and deaths within five years of diagnosis, adults aged 15 to 99, Quebec, 1984 to 1994

ICD-9	Site	Males				Females			
		Number of cases	%	Number of deaths	%	Number of cases	%	Number of deaths	%
140	Lip	1,161	0.6	339	0.3	179	0.1	27	0.0
141	Tongue	1,353	0.7	826	0.7	495	0.3	231	0.3
142	Salivary glands	522	0.3	219	0.2	399	0.2	114	0.1
143	Gum	199	0.1	116	0.1	114	0.1	52	0.1
144	Floor of mouth	659	0.3	374	0.3	196	0.1	86	0.1
145	Other and unspecified parts of mouth	639	0.3	394	0.4	282	0.2	116	0.1
146	Oropharynx	948	0.5	551	0.5	292	0.2	139	0.2
147	Nasopharynx	347	0.2	202	0.2	118	0.1	61	0.1
148	Hypopharynx	755	0.4	539	0.5	136	0.1	92	0.1
149	Lip, oral cavity and pharynx (other and ill-defined)	429	0.2	309	0.3	131	0.1	86	0.1
150	Oesophagus	2,222	1.2	1,927	1.7	834	0.5	689	0.9
151	Stomach	7,061	3.7	5,583	5.0	4,345	2.5	3,281	4.2
152	Small intestine	489	0.3	315	0.3	472	0.3	273	0.3
153-154	Colo rectal	26,106	13.8	13,677	12.2	25,620	14.7	12,787	16.3
155	Liver	2,089	1.1	1,890	1.7	1,051	0.6	913	1.2
156	Biliary tract	1,250	0.7	1,030	0.9	2,004	1.2	1,687	2.2
157	Pancreas	5,202	2.8	4,751	4.2	4,904	2.8	4,436	5.7
158	Retroperitoneum and peritoneum	336	0.2	241	0.2	462	0.3	288	0.4
159	Digestive organs and peritoneum (other and ill-defined sites)	558	0.3	492	0.4	633	0.4	554	0.7
160	Nasal cavities	352	0.2	173	0.2	252	0.1	111	0.1
161	Larynx	5,049	2.7	2,087	1.9	1,144	0.7	394	0.5
162	Lung	46,984	24.8	39,572	35.3	20,077	11.5	15,780	20.1
163	Pleura	839	0.4	746	0.7	259	0.1	226	0.3
164	Thymus, heart and mediastinum	273	0.1	161	0.1	196	0.1	102	0.1
170	Bone	566	0.3	258	0.2	436	0.3	152	0.2
171	Soft tissues	1,075	0.6	485	0.4	932	0.5	371	0.5
172	Melanoma of skin	2,263	1.2	808	0.7	2,481	1.4	558	0.7
174	Female breast	.	.	.	.	52,622	30.2	12,952	16.5
175	Male breast	366	0.2	121	0.1	.	.	.	.
179	Uterus, part unspecified	.	.	.	.	743	0.4	340	0.4
180	Cervix uteri	.	.	.	.	4,822	2.8	1,419	1.8
181	Placenta	.	.	.	.	47	0.0	5	0.0
182	Corpus uteri	.	.	.	.	9,712	5.6	2,183	2.8
183	Ovary	.	.	.	.	6,868	3.9	3,586	4.6

Survival Probabilities for Cancer Cases Reported between 1984 and 1998 in Quebec
Observed & Relative Survival

ICD-9	Site	Males				Females			
		Number of cases	%	Number of deaths	%	Number of cases	%	Number of deaths	%
184	Vagina and vulva	.	.	.	.	1,260	0.7	464	0.6
185	Prostate	35,206	18.6	13,157	11.7	.	.	.	.
186	Testis	1,793	0.9	165	0.1	.	.	.	.
187	Penis	394	0.2	159	0.1	.	.	.	.
188	Bladder	13,464	7.1	4,388	3.9	4,766	2.7	1,518	1.9
189	Kidney	6,071	3.2	2,879	2.6	4,082	2.3	1,757	2.2
190	Eye	401	0.2	141	0.1	329	0.2	80	0.1
191	Brain	3,561	1.9	2,718	2.4	2,820	1.6	2,120	2.7
192	Nervous system (other and unspecified parts)	214	0.1	92	0.1	201	0.1	74	0.1
193	Thyroid gland	944	0.5	170	0.2	2,759	1.6	289	0.4
194	Other endocrine glands and related structures	202	0.1	108	0.1	208	0.1	99	0.1
200	Lymphosarcoma and reticulosarcoma	2,563	1.4	1,485	1.3	2,217	1.3	1,136	1.4
201	Hodgkin's disease	1,687	0.9	384	0.3	1,307	0.8	254	0.3
202	Other malignant neoplasms of lymphoid and histiocytic tissue	4,983	2.6	2,579	2.3	4,499	2.6	2,117	2.7
203	Multiple myeloma	2,290	1.2	1,723	1.5	2,244	1.3	1,613	2.1
204-208	Leukemia	5,289	2.8	3,688	3.3	4,133	2.4	2,778	3.5
	Overall	189,154	100.0	112,022	100.0	174,083	100.0	78,390	100.0

Source : Quebec Cancer Registry.

Summary

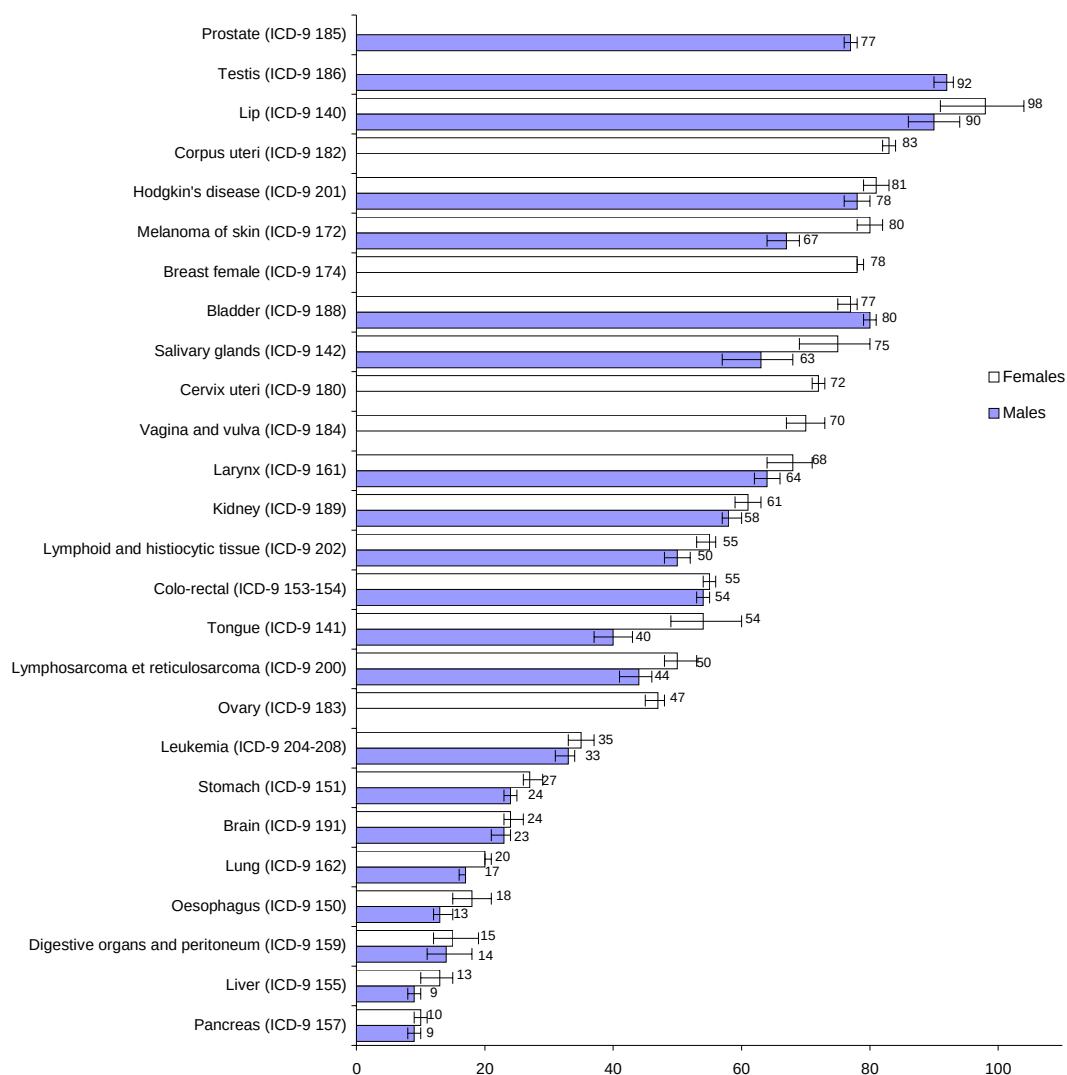
The five year relative survival probability is lowest for pancreatic cancer, at 9% for men (see figure below) and 10% for women. This was followed by liver cancer, at 9% for men and 13% for women. Both men and women diagnosed with cancer of unspecified digestive organs and the peritoneum (ICD-9 159), the esophagus (ICD-9 150), the lungs (ICD-9 162), the brain (ICD-9 191), or the stomach (ICD-9 151) had five year relative survival probabilities of under 30% (see figure below). However, for prostate, testicular, lip, and bladder cancer and Hodgkin's disease in men and lip, breast, endometrial, bladder, salivary gland, skin, cervical, and other genital organ cancers and Hodgkin's disease in women, the estimated relative survival probabilities were high, ranging from 70% to 98%.

Our findings show that estimated relative survival drops as age increases. Patients between the ages of 15 and 44 generally have better relative survival probabilities than those in the older age groups. This does not hold true, though, for prostate cancer or female breast cancer, for which the youngest age group has an estimated relative survival probability similar to that of the oldest age group. The following sections explain the results specific to each cancer site.

During the 15 years of the study, we noted that the estimated relative survival probability for common cancer sites was generally higher for women than men, with the exception of colorectal cancer (ICD-9 153-154), cancer of the gallbladder and extrahepatic bile ducts (ICD-9 156), pancreatic cancer (ICD-9 157), cancers of unspecified digestive organs and the peritoneum (ICD-9 159), cancer of the pleura (ICD-9 163), bladder cancer (ICD-9 188), and brain cancer (ICD-9 191). For these cancer sites, women were shown to have an equal or lower relative survival probability. For some cancer sites, the relative survival probability dropped continually until the end of the study period, while for others, the probability plateaued for a period of time that varied by cancer site. For example, the male survival probability plateaued for a seven year period for colorectal cancer and lung cancer and a nine year period for prostate cancer, the main cancer sites for men. For women, the period was eight years for colorectal cancer, 10 years for lung cancer, and 11 years for breast cancer.

In contrast, with the exception of a few cancer sites, the one and five year relative survival probabilities remained constant or nearly constant throughout the diagnosis period, defined as follows: 1984 to 1986, 1987 to 1989, 1990 to 1992, 1993 to 1995, and 1996 to 1998. Of the cancer sites discussed, the following showed improved relative survival probabilities according the period of diagnosis: skin melanoma (ICD-9 172), female breast cancer (ICD-9 174), cancer of the ovary and other uterine adnexae (ICD-9 183), prostate cancer (ICD-9 185), and testicular cancer (ICD-9 186).

Five-year relative survival (%) according to cancer site, adults aged 15 to 99, Quebec, 1984 to 1994



Source : Quebec Cancer Registry.

Five-year relative and observed survival (%) according to cancer site and diagnosis period, men aged 15 to 99, Quebec

ICD-9	Site	Period							
		1984-86		1987-89		1990-92		1993-94	
		obs	rel	obs	rel	obs	rel	obs	rel
140	Lip	68	90	66	88	69	90	69	86
141	Tongue	32	37	30	35	37	43	37	42
142	Salivary glands	52	59	54	63	53	61	54	63
143	Gum	43	54	45	51	32	37	33	40
144	Floor of mouth	34	40	44	50	39	45	40	45
145	Other and unspecified parts of mouth	33	42	35	40	32	37	35	40
146	Oropharynx	38	44	33	37	36	41	36	39
147	Nasopharynx	42	47	31	34	36	38	35	39
148	Hypopharynx	25	27	23	27	26	30	25	28
149	Lip, oral cavity and pharynx (other and ill-defined)	29	34	31	35	19	21	29	32
150	Oesophagus	11	13	11	14	10	12	12	14
151	Stomach	19	25	19	24	20	25	18	22
152	Small intestine	26	31	35	41	33	39	28	34
153-154	Colo rectal	42	53	42	53	43	53	45	56
155	Liver	4	5	7	8	7	8	8	9
156	Biliary tract	10	12	16	19	17	21	19	24
157	Pancreas	8	10	7	9	6	7	9	11
158	Retroperitoneum and peritoneum	30	34	24	27	16	18	26	28
159	Digestive organs and peritoneum (other and ill-defined sites)	14	18	10	12	10	13	8	11
160	Nasal cavities	41	48	52	61	39	45	45	52
161	Larynx	55	64	55	64	55	63	58	66
162	Lung	15	18	14	17	13	16	14	17
163	Pleura	12	15	11	13	6	7	6	7
164	Thymus, coeur, médiastin	28	30	36	38	32	36	47	50
170	Bone	48	52	53	57	51	56	52	56
171	Soft tissues	54	62	47	54	49	56	55	62
172	Melanoma of skin	52	57	64	70	58	65	62	70
175	Male breast	73	85	54	66	64	77	65	77
185	Prostate	50	70	50	69	58	77	66	84
186	Testis	81	83	88	89	91	93	92	93
187	Penis and other male genital organs	60	75	56	69	53	62	47	58
188	Bladder	63	80	62	78	65	80	65	81
189	Kidney	45	54	48	57	50	59	51	60
190	Eye	53	65	59	70	66	75	56	66
191	Brain	18	19	24	25	21	23	23	24
192	Nervous system (other and unspecified parts)	56	60	52	57	53	57	60	64
193	Thyroid gland	78	85	76	83	78	83	83	88
194	Other endocrine glands and related structures	33	37	33	36	42	45	55	59
200	Lymphosarcoma and reticulosarcoma	36	42	37	43	37	42	39	45
201	Hodgkin's disease	70	73	72	75	75	77	81	84
202	Other malignant neoplasms of lymphoid and histiocytic tissue	46	52	44	50	42	48	43	48
203	Multiple myeloma	17	21	15	19	19	23	17	21
204-208	Leukemia	24	30	25	31	26	32	29	36

Source : Quebec Cancer Registry.

Five-year relative and observed survival (%) according to cancer site and diagnosis period, women aged 15 to 99, Quebec

ICD-9	Site	Period							
		1984-86		1987-89		1990-92		1993-94	
		obs	rel	obs	rel	obs	rel	obs	rel
140	Lip	84	94	89	96	82	100	85	98
141	Tongue	53	58	47	52	45	50	52	57
142	Salivary glands	70	77	67	73	59	64	74	81
143	Gum	45	50	42	46	46	51	68	74
144	Floor of mouth	61	64	48	54	53	57	52	56
145	Other and unspecified parts of mouth	51	56	59	65	48	53	57	65
146	Oropharynx	49	55	48	52	39	42	63	67
147	Nasopharynx	38	40	38	41	44	45	51	55
148	Hypopharynx	27	28	21	23	27	31	29	32
149	Lip, oral cavity and pharynx (other and ill-defined)	25	26	26	28	46	51	28	31
150	Oesophagus	11	14	17	20	12	15	15	17
151	Stomach	25	31	24	29	21	25	20	25
152	Small intestine	39	46	37	42	44	50	39	46
153-154	Colo rectal	47	56	46	54	46	54	48	57
155	Liver	8	10	12	13	8	9	13	14
156	Biliary tract	16	19	13	16	12	15	15	18
157	Pancreas	9	11	9	10	7	9	8	10
158	Retroperitoneum and peritoneum	28	31	32	34	29	31	39	41
159	Digestive organs and peritoneum (other and ill-defined sites)	11	14	15	19	15	19	8	12
160	Nasal cavities	51	56	52	59	65	70	48	56
161	Larynx	62	66	60	65	62	66	67	72
162	Lung	21	23	17	19	18	20	20	22
163	Pleura	11	12	12	15	9	10	13	14
164	Thymus, coeur, médiastin	33	34	58	60	54	57	44	47
170	Bone	59	63	68	74	60	64	62	66
171	Soft tissues	57	61	60	66	56	61	56	63
172	Melanoma of skin	71	77	77	82	72	77	77	83
174	Female breast	68	75	70	76	71	78	74	81
179	Uterus, part unspecified	59	64	58	64	45	50	47	52
180	Cervix uteri	70	74	67	71	67	70	71	74
182	Corpus uteri	75	82	75	83	75	83	77	85
183	Ovary	40	43	42	44	41	44	46	50
184	Vagina and vulva	60	71	58	67	60	70	60	71
188	Bladder	67	78	64	75	63	74	67	78
189	Kidney	50	57	56	62	53	60	55	63
190	Eye	75	83	71	78	68	76	78	86
191	Brain	23	24	21	23	22	23	27	28
192	Nervous system (other and unspecified parts)	66	67	69	73	49	51	66	71
193	Thyroid gland	85	89	85	89	89	92	89	93
194	Other endocrine glands and related structures	42	44	49	50	55	58	52	55
200	Lymphosarcoma and reticulosarcoma	42	48	41	47	43	49	48	54
201	Hodgkin's disease	75	77	80	82	75	76	85	87
202	Other malignant neoplasms of lymphoid and histiocytic tissue	50	55	47	53	49	55	51	57
203	Multiple myeloma	26	31	20	23	19	22	22	26
204-208	Leukemia	29	34	27	33	30	36	29	35

Source : Quebec Cancer Registry.

Five-year relative and observed survival (%) according to cancer site and age at the time of diagnosis, men, Quebec, 1984 to 1994

ICD-9	Site	Age class									
		15-44		45-54		55-64		65-74		75+	
		obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
140	Lip	92	92	88	91	81	88	74	92	48	88
141	Tongue	57	58	45	46	34	37	27	33	19	33
142	Salivary glands	85	86	73	74	54	59	40	50	28	48
143	Gum	31	31	73	74	40	44	39	48	26	44
144	Floor of mouth	50	50	57	59	36	39	35	43	29	47
145	Other and unspecified parts of mouth	38	39	41	43	42	46	30	37	20	36
146	Oropharynx	50	50	46	48	38	41	33	40	15	23
147	Nasopharynx	58	59	40	41	33	36	29	36	17	21
148	Hypopharynx	56	57	34	35	26	28	21	25	16	27
149	Lip, oral cavity and pharynx (other and ill-defined)	50	50	42	43	23	25	24	30	8	12
150	Oesophagus	16	17	16	17	13	14	10	13	7	11
151	Stomach	26	27	29	30	24	27	18	23	12	21
152	Small intestine	34	34	43	45	45	49	22	27	16	28
153-154	Colo rectal	56	57	54	55	50	55	44	54	30	53
155	Liver	21	21	15	15	7	8	6	7	4	6
156	Biliary tract	34	35	24	24	21	22	15	19	9	16
157	Pancreas	20	20	10	10	8	9	7	9	5	9
158	Retroperitoneum and peritoneum	51	51	29	29	21	23	18	21	9	16
159	Digestive organs and peritoneum (other and ill-defined sites)	23	23	13	13	12	12	14	16	7	12
160	Nasal cavities	46	47	57	59	50	54	48	58	27	45
161	Larynx	78	79	64	66	60	66	52	64	31	52
162	Lung	20	20	18	19	18	19	13	16	7	12
163	Pleura	13	13	14	14	8	8	6	8	7	10
164	Thymus, coeur, médiastin	54	55	37	39	31	33	19	21	20	34
170	Bone	65	65	58	60	56	59	36	44	16	26
171	Soft tissues	62	63	68	70	55	60	45	55	28	48
172	Melanoma of skin	73	74	63	65	61	67	53	65	32	54
175	Male breast	46	47	74	76	75	82	59	72	50	82
185	Prostate	66	67	78	81	78	85	66	81	37	65
186	Testis	92	93	88	90	87	91	46	54	22	30
187	Penis and other male genital organs	56	57	72	74	72	78	58	72	31	56
188	Bladder	92	93	87	90	76	83	65	80	39	69
189	Kidney	68	69	61	63	57	63	45	56	28	48
190	Eye	77	78	72	74	66	72	54	67	33	60
191	Brain	50	50	20	20	11	12	5	6	7	11
192	Nervous system (other and unspecified parts)	64	65	71	72	65	69	29	36	23	38
193	Thyroid gland	94	94	85	87	81	86	55	68	40	60
194	Other endocrine glands and related structures	57	57	58	60	42	46	29	36	13	16
200	Lymphosarcoma and reticulosarcoma	51	51	46	48	43	47	32	39	20	34
201	Hodgkin's disease	86	86	72	74	66	72	42	52	11	19
202	Other malignant neoplasms of lymphoid and histiocytic tissue	58	59	58	60	50	54	32	39	18	31
203	Multiple myeloma	38	39	31	32	21	23	18	22	7	13
204-208	Leukemia	35	35	33	35	31	34	26	32	17	31

Source : Quebec Cancer Registry.

Survival Probabilities for Cancer Cases Reported between 1984 and 1998 in Quebec
Observed & Relative Survival

Five-year relative and observed survival (%) according to cancer site and age at the time of diagnosis, women, Quebec, 1984 to 1994

ICD-9	Site	Age class									
		15-44		45-54		55-64		65-74		75+	
		obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
140	Lip	100	100	94	94	92	93	91	95	68	99
141	Tongue	70	70	62	63	63	65	45	50	21	30
142	Salivary glands	88	88	84	85	61	64	65	72	44	61
143	Gum	86	86	62	63	60	61	50	53	36	49
144	Floor of mouth	100	100	69	70	66	68	46	49	23	34
145	Other and unspecified parts ou mouth	86	86	63	64	63	66	52	57	30	43
146	Oropharynx	73	73	67	68	53	55	37	42	32	39
147	Nasopharynx	78	78	61	62	32	33	18	20	25	30
148	Hypopharynx	50	50	28	28	31	32	32	35	10	13
149	Lip, oral cavity and pharynx (other and ill-defined)	80	80	45	45	40	42	14	15	18	24
150	Oesophagus	29	29	23	23	17	18	15	17	13	18
151	Stomach	31	31	37	38	28	29	24	27	16	25
152	Small intestine	51	51	54	55	45	47	38	42	28	40
153-154	Colo rectal	60	60	57	58	56	58	50	56	35	52
155	Liver	26	26	21	22	14	15	11	12	6	8
156	Biliary tract	24	24	23	23	16	17	13	14	12	18
157	Pancreas	22	22	14	14	10	10	8	8	6	9
158	Retroperitoneum and peritoneum	64	64	51	52	36	38	22	24	8	11
159	Digestive organs and peritoneum (other and ill-defined sites)	38	38	20	20	25	26	10	11	8	13
160	Nasal cavities	73	73	47	48	62	64	47	51	38	56
161	Larynx	76	77	78	79	69	72	53	59	37	51
162	Lung	26	26	24	25	22	23	17	19	10	14
163	Pleura	7	7	8	8	10	11	9	9	13	16
164	Thymus, coeur, médiastin	58	58	57	57	53	55	37	41	27	30
170	Bone	79	79	78	79	53	55	46	51	34	49
171	Soft tissues	66	67	78	79	59	61	52	58	37	54
172	Melanoma of skin	85	85	81	82	78	82	68	76	48	68
174	Female breast	77	77	81	82	76	79	71	79	51	73
179	Uterus, part unspecified	84	84	76	77	64	67	50	55	21	30
180	Cervix uteri	84	85	68	69	64	67	56	62	31	44
182	Corpus uteri	91	92	90	92	84	88	73	81	50	70
183	Ovary	76	76	53	54	43	45	32	35	18	25
184	Vagina and vulva	89	89	83	85	69	72	60	67	38	58
188	Bladder	95	95	91	92	82	86	68	76	43	64
189	Kidney	74	74	76	77	66	69	53	59	31	44
190	Eye	89	89	87	88	77	81	66	74	54	76
191	Brain	59	59	28	28	12	13	9	10	8	11
192	Nervous system (other and unspecified parts)	75	75	85	85	70	72	60	64	24	32
193	Thyroid gland	98	99	98	98	86	89	74	82	40	55
194	Other endocrine glands and related structures	68	68	65	66	50	52	47	50	12	15
200	Lymphosarcoma and reticulosarcoma	62	63	62	63	56	58	41	45	27	38
201	Hodgkin's disease	91	91	80	82	61	63	46	51	32	41
202	Other malignant neoplasms of lymphoid and histiocytic tissue	76	76	70	71	61	63	44	48	24	34
203	Multiple myeloma	33	33	35	36	29	31	19	21	17	26
204-208	Leukemia	48	48	29	29	32	33	32	36	21	33

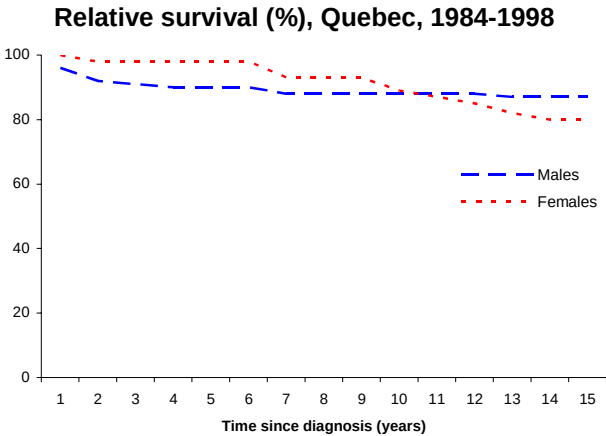
Source : Quebec Cancer Registry.

Results by site

Lip (ICD-9 140)

Number of cases, Quebec, 1984-1998

Males	1,161
Females	179
Overall	1,340



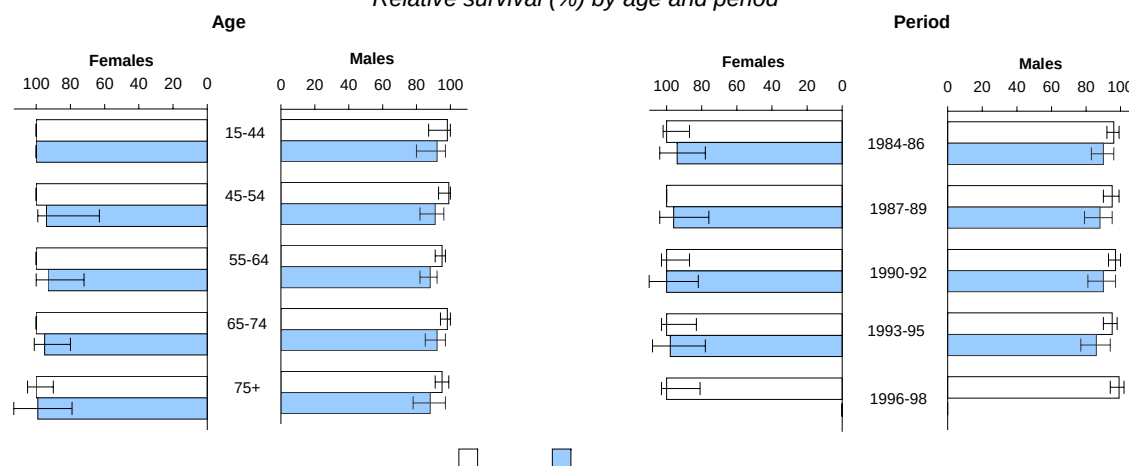
Source : Quebec Cancer Registry.

Lip (ICD-9 140)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(51)		(103)		(276)		(320)		(411)		(336)		(240)		(230)		(203)		(152)	
1 year	98	98	98	99	93	95	94	98	85	95	91	96	90	95	92	97	91	95	94	99
3 years	92	92	94	95	84	89	84	94	62	88	76	90	76	89	78	92	78	89	85	98
5 years	92	92	88	91	81	88	74	92	48	88	68	90	66	88	69	90	69	86	.	.
8 years	84	85	80	84	73	86	60	87	31	88	56	89	55	87	54	84	.	.	.	.
10 years	84	85	74	80	71	86	53	87	23	88	50	89	49	87	.	.	.	.	.	.
Females	(16)		(16)		(29)		(50)		(68)		(43)		(28)		(45)		(34)		(29)	
1 year	100	100	100	100	100	100	100	100	93	100	98	100	100	100	96	100	97	100	97	100
3 years	100	100	94	94	96	97	96	98	77	99	88	96	96	99	89	100	88	98	84	90
5 years	100	100	94	94	92	93	91	95	68	99	84	94	89	96	82	100	85	98	.	.
8 years	100	100	94	94	92	93	69	80	44	90	79	92	89	96	50	75	.	.	.	.
10 years	92	92	94	94	92	93	59	74	31	81	65	82	86	95	.	.	.	.	.	.
Overall	(67)		(119)		(305)		(370)		(479)		(379)		(268)		(275)		(237)		(181)	
1 year	99	99	98	99	94	95	95	98	86	96	92	97	91	96	93	98	92	96	94	99
3 years	94	94	94	95	85	90	85	95	64	90	77	91	78	91	80	94	79	91	85	96
5 years	94	94	89	92	82	89	76	92	51	90	70	91	69	89	71	93	71	89	.	.
8 years	89	89	82	86	75	87	61	86	33	90	58	90	59	89	53	84	.	.	.	.
10 years	85	86	77	83	73	87	54	86	24	90	52	90	53	89	.	.	.	.	.	.

Relative survival (%) by age and period

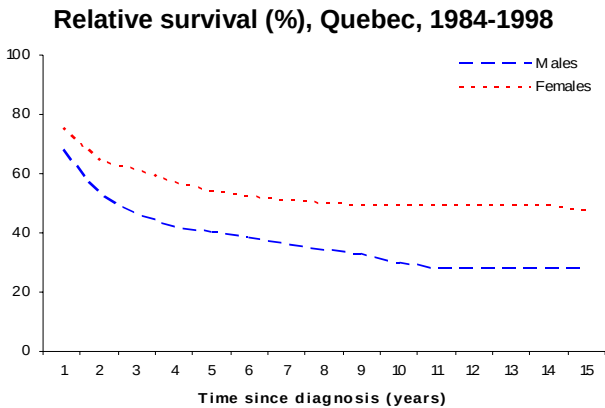


Source : Quebec Cancer Registry.

Tongue (ICD-9 141)

Number of cases, Quebec, 1984-1998

Males	1,353
Females	495
Overall	1,848



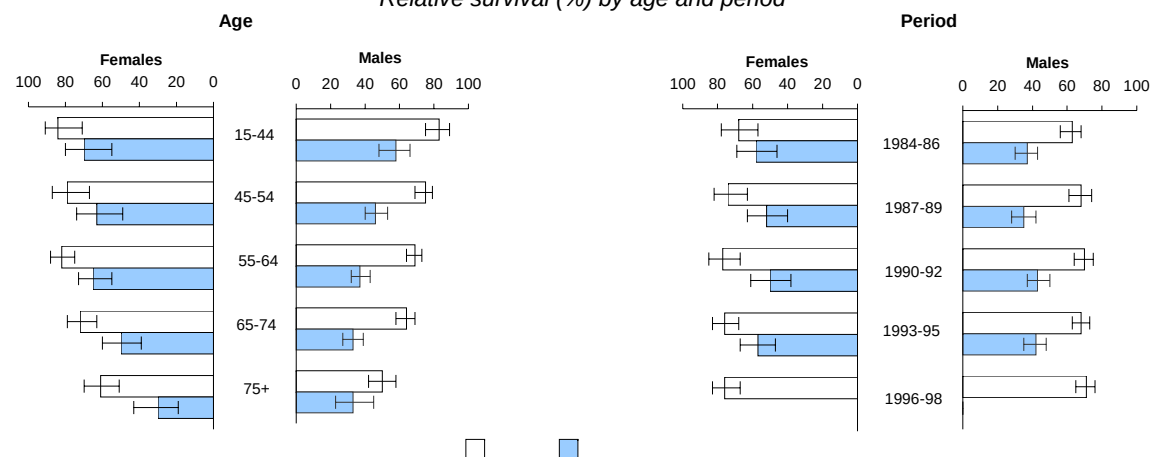
Source : Quebec Cancer Registry.

Tongue (ICD-9 141)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(123)		(287)		(426)		(344)		(173)		(267)		(222)		(277)		(300)		(287)	
1 year	83	83	74	75	68	69	62	64	45	50	61	63	66	68	68	70	67	68	69	71
3 years	62	62	52	52	43	46	36	41	26	36	37	41	39	43	46	50	46	49	43	46
5 years	57	58	45	46	34	37	27	33	19	33	32	37	30	35	37	43	37	42	.	.
8 years	54	55	37	39	24	28	19	28	15	32	26	33	22	29	29	36	.	.	.	.
10 years	48	49	31	33	19	23	15	23	12	32	21	29	18	26	.	.	.	.	.	.
Females	(56)		(65)		(132)		(132)		(110)		(81)		(91)		(86)		(123)		(114)	
1 year	84	84	78	79	82	82	70	72	57	61	67	68	73	74	76	77	75	76	75	76
3 years	72	72	66	67	69	70	52	56	36	44	56	59	59	63	53	57	60	64	54	57
5 years	70	70	62	63	63	65	45	50	21	30	53	58	47	52	45	50	52	57	.	.
8 years	63	63	62	63	51	54	36	45	19	30	46	52	42	48	40	45	.	.	.	.
10 years	63	63	62	63	49	53	32	41	14	29	42	51	41	48	.	.	.	.	.	.
Overall	(179)		(352)		(558)		(476)		(283)		(348)		(313)		(363)		(423)		(401)	
1 year	83	83	75	75	71	72	64	66	50	55	62	64	68	70	70	72	69	71	71	72
3 years	65	65	54	55	49	51	41	45	30	40	42	45	45	49	48	52	50	53	46	49
5 years	61	61	48	49	41	44	31	37	20	32	37	42	35	40	39	45	41	46	.	.
8 years	57	58	42	44	30	34	24	32	16	32	30	38	28	35	31	39	.	.	.	.
10 years	52	53	37	39	27	32	19	29	13	32	26	35	25	33	.	.	.	.	.	.

Relative survival (%) by age and period

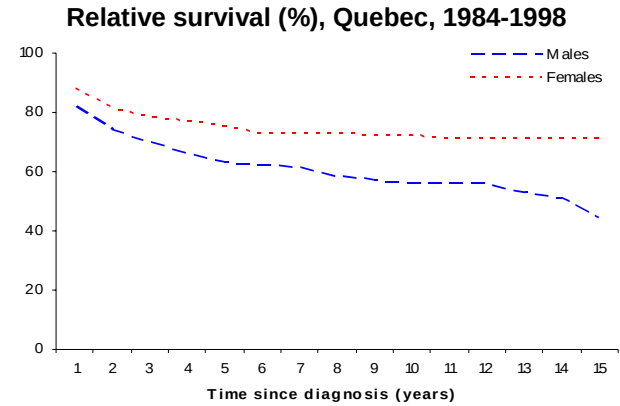


Source : Quebec Cancer Registry.

Salivary glands (ICD-9 142)

Number of cases, Quebec, 1984-1998

Males	522
Females	399
Overall	921



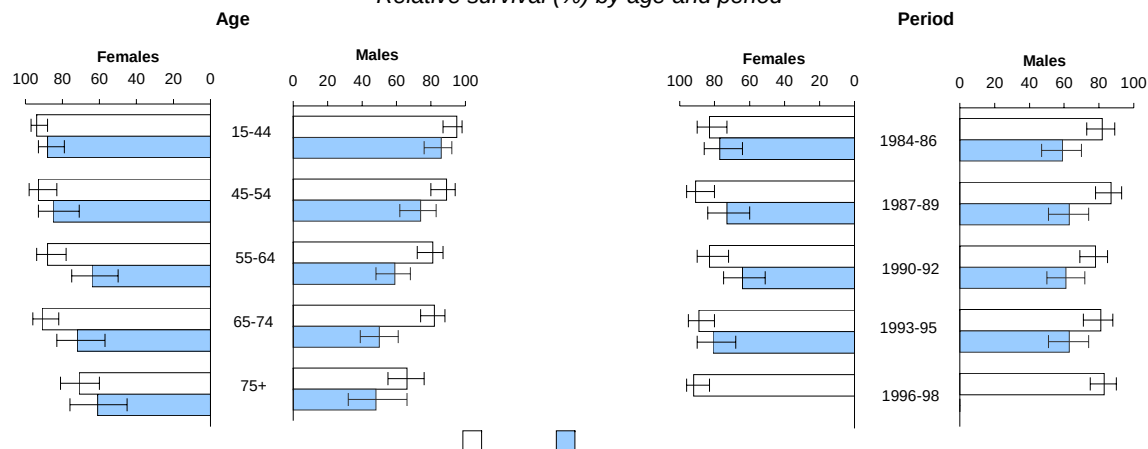
Source : Quebec Cancer Registry.

Salivary glands (ICD-9 142)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(90)		(85)		(118)		(129)		(100)		(99)		(95)		(108)		(105)		(115)	
1 year	94	95	88	89	80	81	79	82	60	66	80	82	84	87	76	78	78	81	81	83
3 years	87	87	77	79	67	70	52	59	43	59	59	64	66	73	59	65	68	75	70	77
5 years	85	86	73	74	54	59	40	50	28	48	52	59	54	63	53	61	54	63	.	.
8 years	80	81	68	70	47	55	28	42	18	44	44	55	48	62	40	52	.	.	.	.
10 years	80	81	68	70	41	51	20	35	14	41	41	54	43	59	.	.	.	.	.	.
Females	(103)		(59)		(72)		(78)		(87)		(82)		(70)		(75)		(81)		(91)	
1 year	94	94	93	93	88	88	90	91	67	71	82	83	89	91	81	83	88	89	90	92
3 years	88	88	91	92	69	70	77	81	49	61	74	79	70	75	68	72	80	84	75	79
5 years	88	88	84	85	61	64	65	72	44	61	70	77	67	73	59	64	74	81	.	.
8 years	84	84	84	85	54	58	54	66	34	61	62	73	59	68	56	62	.	.	.	.
10 years	84	84	84	85	48	54	50	63	28	61	60	71	54	67	.	.	.	.	.	.
Overall	(193)		(144)		(190)		(207)		(187)		(181)		(165)		(183)		(186)		(206)	
1 year	94	94	90	91	83	84	83	86	63	69	81	83	86	89	78	80	82	84	85	87
3 years	87	88	83	84	68	70	62	68	46	60	66	71	68	74	63	68	73	79	72	78
5 years	87	87	77	79	56	60	49	59	35	56	60	67	59	68	55	62	62	71	.	.
8 years	82	83	74	77	50	56	37	50	25	56	52	63	53	66	46	56	.	.	.	.
10 years	82	83	74	77	44	52	30	46	21	56	50	62	48	64	.	.	.	.	.	.

Relative survival (%) by age and period

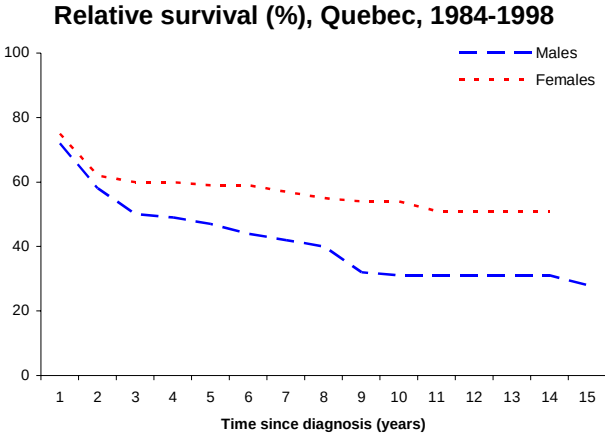


Source : Quebec Cancer Registry.

Gum (ICD-9 143)

Number of cases, Quebec, 1984-1998

Males	199
Females	114
Overall	313



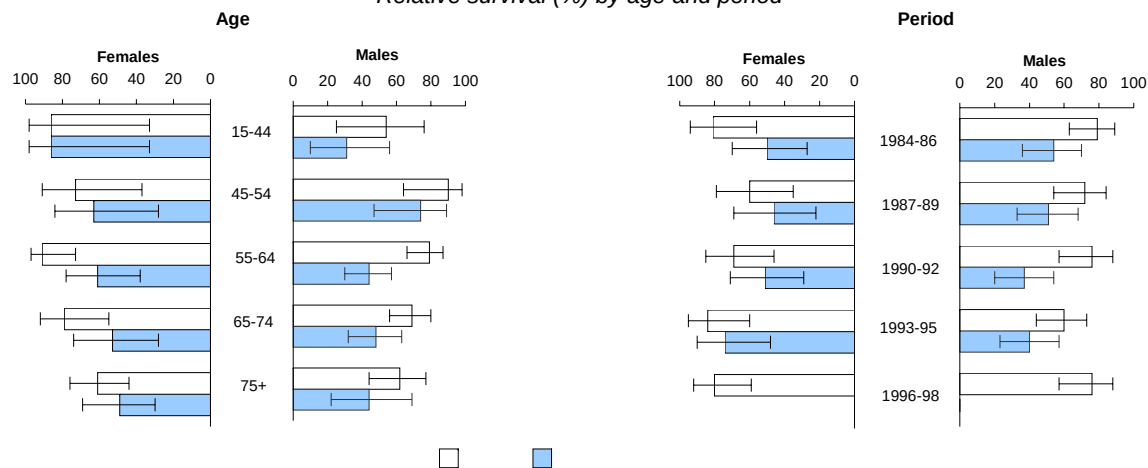
Source : Quebec Cancer Registry.

Gum (ICD-9 143)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(13)		(19)		(62)		(64)		(41)		(46)		(38)		(34)		(47)		(34)	
1 year	54	54	89	90	77	79	67	69	56	62	76	79	68	72	74	76	57	60	74	76
3 years	31	31	73	74	47	50	45	50	35	49	57	64	45	51	38	41	38	43	46	50
5 years	31	31	73	74	40	44	39	48	26	44	43	54	45	51	32	37	33	40	.	.
8 years	31	31	62	64	34	38	23	32	16	31	35	49	34	44	19	23	.	.	.	.
10 years	31	31	25	26	26	31	16	22	12	28	24	36	24	34	.	.	.	.	.	.
Females	(7)		(11)		(30)		(22)		(44)		(22)		(19)		(24)		(22)		(27)	
1 year	86	86	73	73	90	91	77	79	57	61	77	81	58	60	67	69	82	84	78	80
3 years	86	86	62	63	70	71	50	53	39	49	45	50	53	56	46	51	73	77	50	54
5 years	86	86	62	63	60	61	50	53	36	49	45	50	42	46	46	51	68	74	.	.
8 years	86	86	62	63	42	45	40	44	32	49	36	42	32	36	42	48	.	.	.	.
10 years	86	86	62	63	42	45	40	44	21	41	32	39	32	36	.	.	.	.	.	.
Overall	(20)		(30)		(92)		(86)		(85)		(68)		(57)		(58)		(69)		(61)	
1 year	65	65	83	84	82	83	70	72	56	62	76	80	65	68	71	73	65	67	75	78
3 years	49	49	69	70	54	56	46	51	37	49	53	60	47	53	41	45	49	54	47	52
5 years	49	49	69	70	46	49	42	50	31	49	44	54	44	51	38	44	44	52	.	.
8 years	49	49	60	62	36	42	28	37	23	45	35	49	33	44	28	36	.	.	.	.
10 years	49	49	30	31	31	37	22	30	16	44	26	39	26	39	.	.	.	.	.	.

Relative survival (%) by age and period

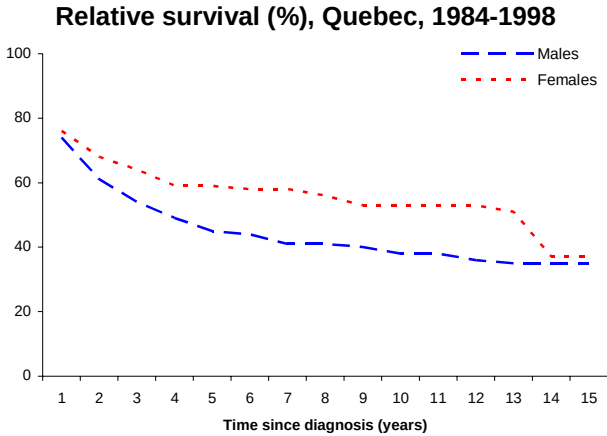


Source : Quebec Cancer Registry.

Floor of mouth (ICD-9 144)

Number of cases, Quebec, 1984-1998

Males	659
Females	196
Overall	855

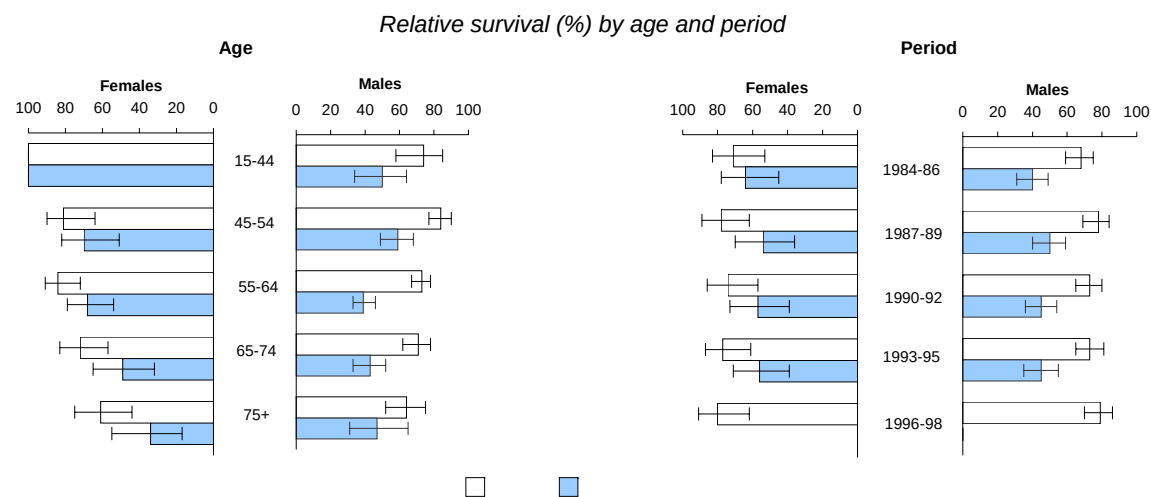


Source : Quebec Cancer Registry.

Floor of mouth (ICD-9 144)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(42)		(129)		(252)		(157)		(79)		(146)		(130)		(146)		(131)		(106)	
1 year	74	74	84	84	72	73	68	71	58	64	66	68	75	78	71	73	72	73	77	79
3 years	57	58	63	64	49	51	46	52	41	55	44	48	57	62	47	50	53	56	54	58
5 years	50	50	57	59	36	39	35	43	29	47	34	40	44	50	39	45	40	45	.	.
8 years	43	44	52	55	30	35	29	40	13	30	29	36	36	44	31	39	.	.	.	.
10 years	43	44	50	54	27	33	19	30	13	30	25	33	33	43	.	.	.	.	.	.
Females	(5)		(36)		(65)		(48)		(42)		(36)		(42)		(40)		(45)		(33)	
1 year	100	100	81	81	83	84	71	72	57	61	69	71	76	78	73	74	76	77	79	80
3 years	100	100	72	72	73	75	55	59	32	39	64	66	60	65	60	64	58	60	56	60
5 years	100	100	69	70	66	68	46	49	23	34	61	64	48	54	53	57	52	56	.	.
8 years	100	100	69	70	60	63	39	44	14	24	56	60	45	53	48	54	.	.	.	.
10 years	100	100	69	70	48	52	39	44	14	24	47	53	43	51	.	.	.	.	.	.
Overall	(47)		(165)		(317)		(205)		(121)		(182)		(172)		(186)		(176)		(139)	
1 year	77	77	83	83	74	75	69	71	58	63	66	68	76	78	72	73	73	74	78	79
3 years	62	62	65	66	53	56	48	53	38	49	48	52	58	62	49	53	54	57	55	58
5 years	55	56	60	61	42	46	37	44	27	43	40	45	45	51	42	48	43	48	.	.
8 years	49	50	56	59	36	41	31	43	14	32	34	42	38	47	34	44	.	.	.	.
10 years	49	50	55	58	31	37	22	34	14	32	29	38	35	46	.	.	.	.	.	.

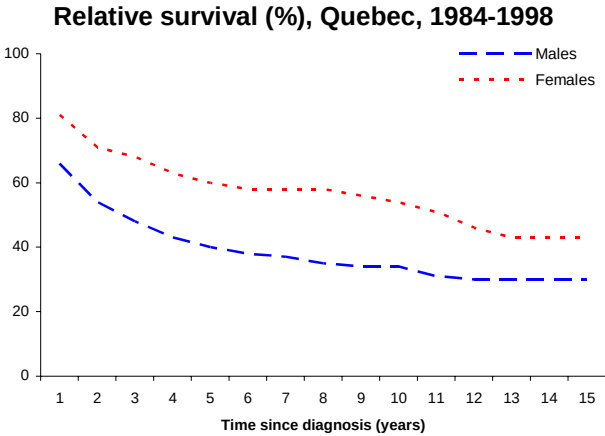


Source : Quebec Cancer Registry.

Other and unspecified parts of mouth (ICD-9 145)

Number of cases, Quebec, 1984-1998

Males	639
Females	282
Overall	921

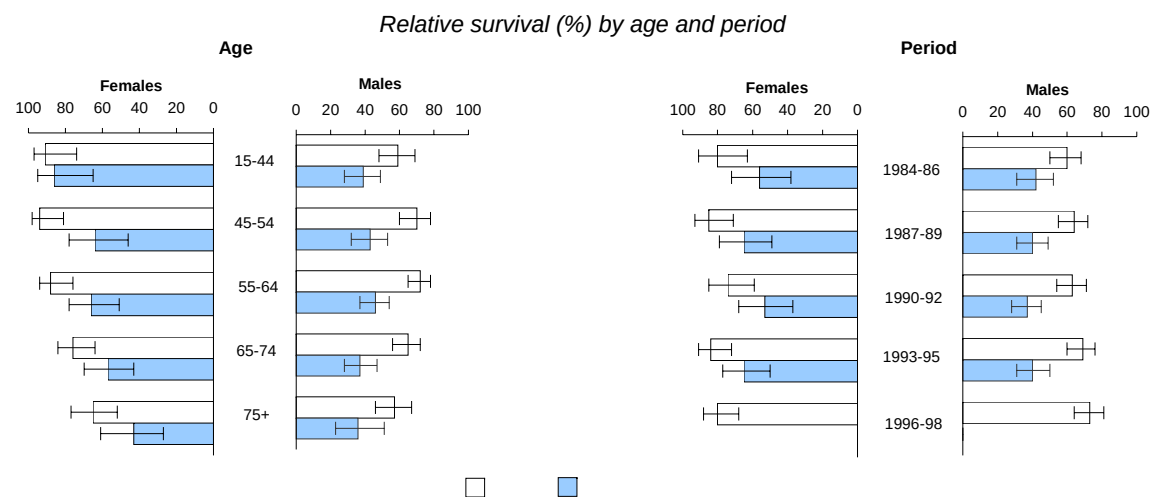


Source : Quebec Cancer Registry.

Other and unspecified parts of mouth (ICD-9 145)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(88)		(104)		(179)		(162)		(106)		(125)		(135)		(140)		(131)		(108)	
1 year	59	59	69	70	71	72	62	65	51	57	57	60	62	64	61	63	67	69	71	73
3 years	40	40	52	53	50	53	44	49	28	38	40	46	44	47	42	45	44	48	49	53
5 years	38	39	41	43	42	46	30	37	20	36	33	42	35	40	32	37	35	40	.	.
8 years	34	34	33	35	33	39	22	33	12	28	22	34	27	33	28	34	.	.	.	.
10 years	34	34	33	35	28	35	20	31	8	28	20	34	24	31	.	.	.	.	.	.
Females	(32)		(46)		(61)		(74)		(69)		(37)		(51)		(50)		(71)		(73)	
1 year	91	91	93	94	87	88	74	76	61	65	78	80	82	85	72	74	82	84	78	80
3 years	91	91	73	74	71	73	60	63	43	53	59	63	67	71	58	62	68	73	62	65
5 years	86	86	63	64	63	66	52	57	30	43	51	56	59	65	48	53	57	65	.	.
8 years	86	86	63	64	57	61	42	50	27	43	38	43	55	64	48	53	.	.	.	.
10 years	86	86	63	64	51	56	29	37	23	40	35	41	47	58	.	.	.	.	.	.
Overall	(120)		(150)		(240)		(236)		(175)		(162)		(186)		(190)		(202)		(181)	
1 year	68	68	77	77	75	76	66	68	55	60	62	64	68	70	64	66	72	74	74	76
3 years	53	53	58	59	56	58	49	54	34	44	44	50	50	54	46	50	52	56	53	57
5 years	50	51	48	49	47	51	36	43	24	39	37	45	41	47	36	41	43	49	.	.
8 years	47	47	42	44	39	45	28	38	17	35	26	36	34	42	33	40	.	.	.	.
10 years	47	47	42	44	34	41	23	36	13	33	23	35	30	39	.	.	.	.	.	.

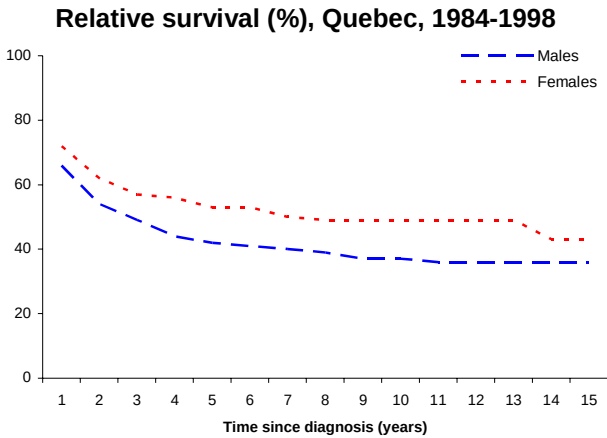


Source : Quebec Cancer Registry.

Oropharynx (ICD-9 146)

Number of cases, Quebec, 1984-1998

Males	948
Females	292
Overall	1,240



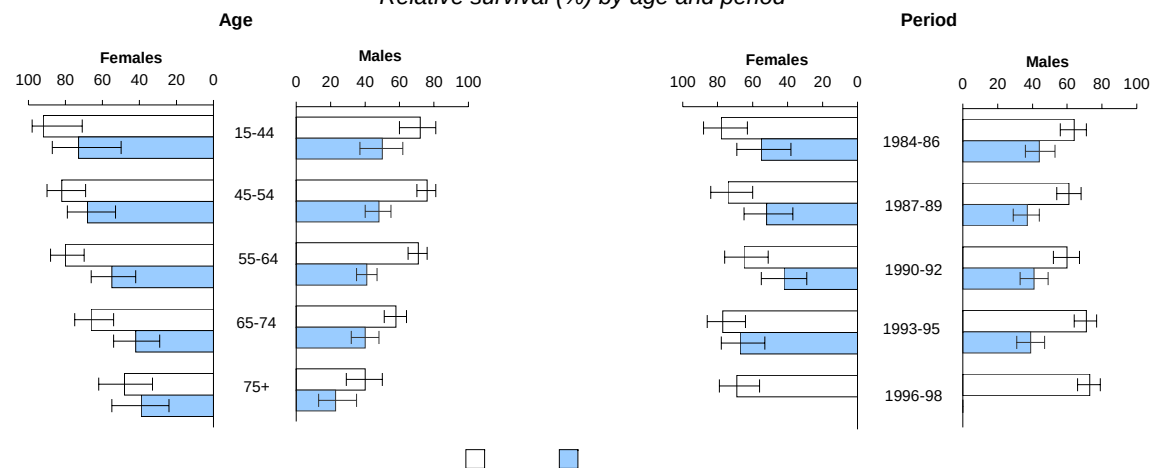
Source : Quebec Cancer Registry.

Oropharynx (ICD-9 146)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(72)		(234)		(318)		(224)		(100)		(170)		(186)		(184)		(190)		(218)	
1 year	72	72	75	76	70	71	56	58	36	40	62	64	60	61	58	60	69	71	72	73
3 years	63	64	55	56	46	48	42	47	21	28	48	53	39	41	42	45	48	51	53	56
5 years	50	50	46	48	38	41	33	40	15	23	38	44	33	37	36	41	36	39	.	.
8 years	41	41	43	45	32	37	25	34	13	23	32	41	28	34	31	38	.	.	.	.
10 years	41	41	42	44	26	32	21	33	9	23	28	39	25	32	.	.	.	.	.	.
Females	(24)		(55)		(79)		(85)		(49)		(47)		(54)		(61)		(63)		(67)	
1 year	92	92	82	82	80	80	65	66	45	48	77	78	72	74	64	65	76	77	67	69
3 years	73	73	69	70	60	61	48	51	32	39	55	59	54	57	46	48	65	67	56	58
5 years	73	73	67	68	53	55	37	42	32	39	49	55	48	52	39	42	63	67	.	.
8 years	73	73	67	68	45	48	30	35	19	29	47	54	39	43	34	38	.	.	.	.
10 years	73	73	67	68	39	43	30	35	19	29	47	54	35	40	.	.	.	.	.	.
Overall	(96)		(289)		(397)		(309)		(149)		(217)		(240)		(245)		(253)		(285)	
1 year	77	77	76	77	72	73	58	60	39	42	65	67	63	64	60	61	71	72	71	72
3 years	66	66	58	59	49	51	43	48	25	32	50	54	42	45	43	46	53	55	54	56
5 years	56	57	50	52	41	44	34	40	20	29	41	47	36	40	37	41	43	46	.	.
8 years	48	49	48	49	35	39	26	35	15	29	35	44	30	36	32	38	.	.	.	.
10 years	48	49	47	49	29	34	24	35	12	29	32	44	27	34	.	.	.	.	.	.

Relative survival (%) by age and period

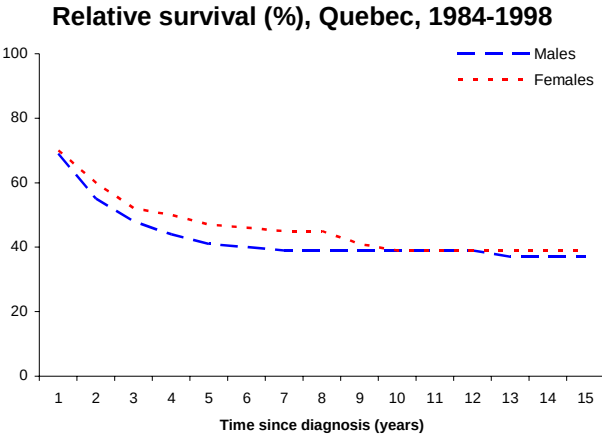


Source : Quebec Cancer Registry.

Nasopharynx (ICD-9 147)

Number of cases, Quebec, 1984-1998

Males	347
Females	118
Overall	465

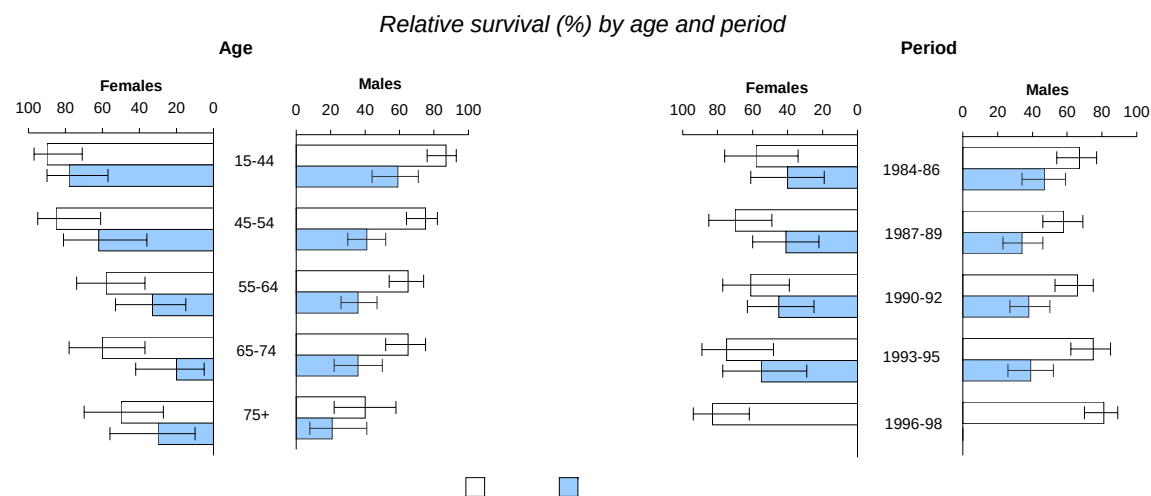


Source : Quebec Cancer Registry.

Nasopharynx (ICD-9 147)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(61)		(89)		(95)		(72)		(30)		(69)		(70)		(73)		(61)		(74)	
1 year	87	87	74	75	64	65	63	65	37	40	65	67	57	58	64	66	74	75	80	81
3 years	67	68	51	52	41	43	40	44	17	21	46	50	40	42	45	47	46	49	48	51
5 years	58	59	40	41	33	36	29	36	17	21	42	47	31	34	36	38	35	39	.	.
8 years	56	57	37	39	29	32	26	34	11	16	41	46	27	31	32	35	.	.	.	.
10 years	52	53	37	39	29	32	22	31	11	16	38	45	27	31	.	.	.	.	.	.
Females	(29)		(20)		(26)		(22)		(21)		(21)		(26)		(25)		(19)		(27)	
1 year	90	90	85	85	58	58	59	60	48	50	57	58	69	70	60	61	74	75	81	83
3 years	78	78	68	69	37	38	30	31	33	37	38	40	50	52	44	45	63	66	58	60
5 years	78	78	61	62	32	33	18	20	25	30	38	40	38	41	44	45	51	55	.	.
8 years	78	78	61	62	32	33	9	10	13	17	33	36	35	38	44	45	.	.	.	.
10 years	68	68	61	62	32	33					33	36	27	30	.	.	.	.	.	.
Overall	(90)		(109)		(121)		(94)		(51)		(90)		(96)		(98)		(80)		(101)	
1 year	88	88	76	77	63	64	62	64	41	44	63	65	60	62	63	64	74	75	80	82
3 years	71	71	54	55	40	42	37	41	23	29	44	47	43	45	45	47	50	53	50	53
5 years	65	65	44	45	33	36	26	32	20	27	41	46	33	36	38	40	39	43	.	.
8 years	63	64	41	43	29	33	22	29	12	20	39	45	29	33	35	38	.	.	.	.
10 years	58	59	41	43	29	33	16	24	8	15	37	45	27	32	.	.	.	.	.	.

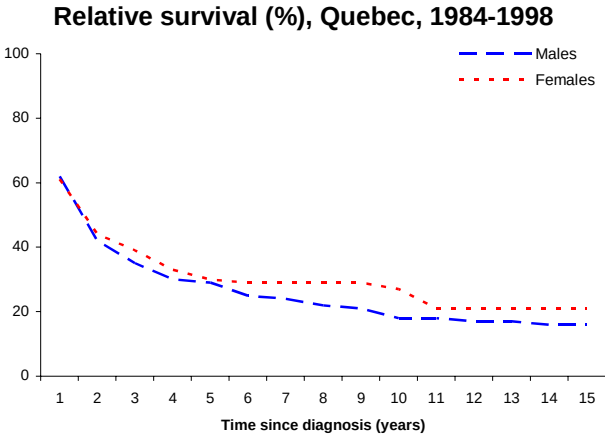


Source : Quebec Cancer Registry.

Hypopharynx (ICD-9 148)

Number of cases, Quebec, 1984-1998

Males	755
Females	136
Overall	891

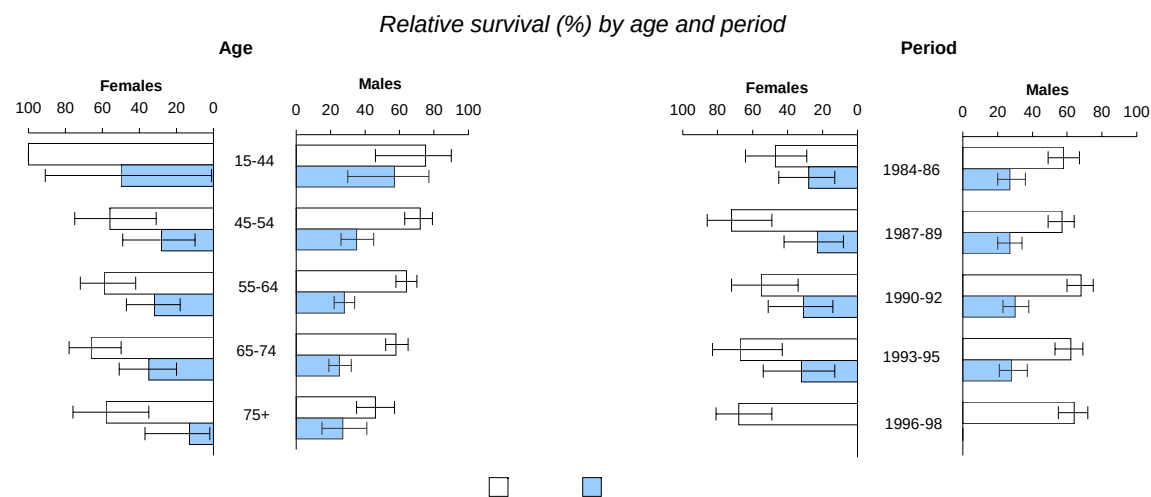


Source : Quebec Cancer Registry.

Hypopharynx (ICD-9 148)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(16)		(124)		(277)		(245)		(93)		(134)		(171)		(167)		(144)		(139)	
1 year	75	75	72	72	63	64	56	58	42	46	57	58	56	57	66	68	60	62	62	64
3 years	63	63	43	44	34	36	26	29	21	29	26	28	28	31	39	43	31	33	34	38
5 years	56	57	34	35	26	28	21	25	16	27	25	27	23	27	26	30	25	28	.	.
8 years	56	57	25	26	17	20	12	17	12	23	17	21	14	18	20	25	.	.	.	.
10 years	56	57	17	18	13	16	11	16	12	23	12	15	13	17	.	.	.	.	.	.
Females	(3)		(18)		(43)		(48)		(24)		(30)		(24)		(26)		(23)		(33)	
1 year	100	100	56	56	58	59	65	66	54	58	47	47	71	72	54	55	65	67	67	68
3 years	100	100	28	28	40	41	41	44	20	23	33	35	33	35	35	37	39	42	43	45
5 years	50	50	28	28	31	32	32	35	10	13	27	28	21	23	27	31	29	32	.	.
8 years	50	50	19	19	31	32	26	30	10	13	20	22	21	23	27	31	.	.	.	.
10 years	.	.	19	19	26	27	26	30	10	13	17	19	21	23	.	.	.	.	.	.
Overall	(19)		(142)		(320)		(293)		(117)		(164)		(195)		(193)		(167)		(172)	
1 year	79	79	70	70	63	63	58	60	44	49	55	56	57	59	64	66	60	62	63	65
3 years	68	69	41	41	35	36	28	31	21	28	27	30	29	31	38	42	32	34	36	39
5 years	57	57	33	34	27	29	22	27	14	24	25	28	23	26	26	30	25	29	.	.
8 years	57	57	24	25	19	22	14	19	12	22	18	21	15	19	21	26	.	.	.	.
10 years	57	57	17	18	15	18	13	19	12	22	13	16	14	18	.	.	.	.	.	.

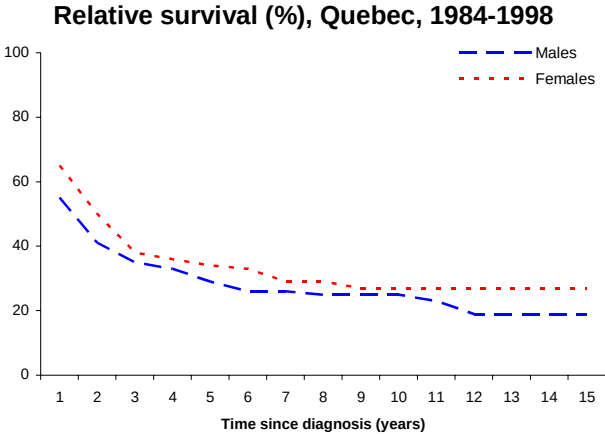


Source : Quebec Cancer Registry.

Other and ill-defined sites within the lip, oral cavity, and pharynx (ICD-9 149)

Number of cases, Quebec, 1984-1998

Males	429
Females	131
Overall	560

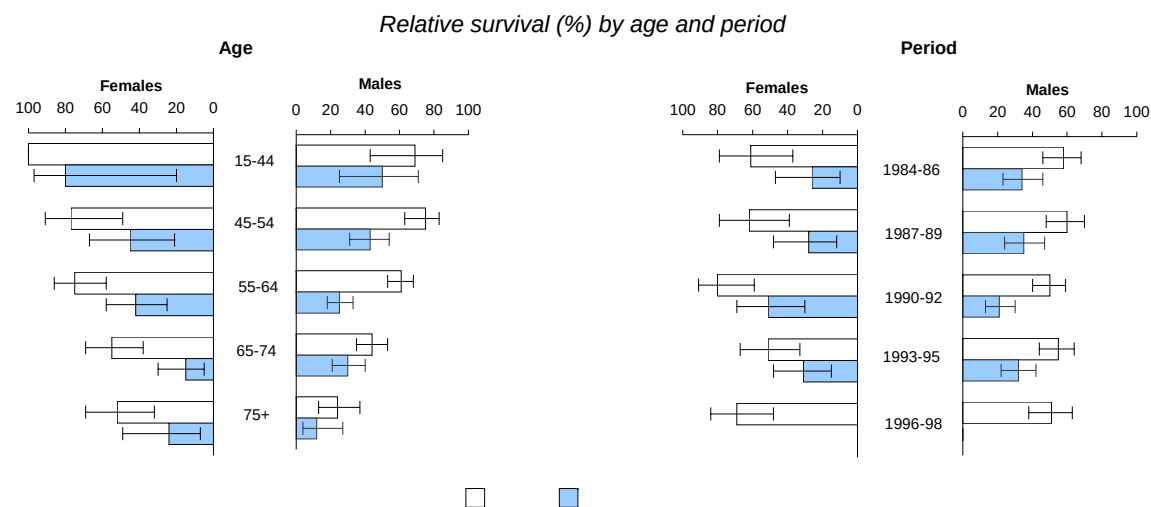


Source : Quebec Cancer Registry.

Other and ill-defined sites within the lip, oral cavity, and pharynx (ICD-9 149)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(19)		(74)		(156)		(129)		(51)		(80)		(81)		(101)		(103)		(64)	
1 year	68	69	74	75	60	61	43	44	22	24	56	58	58	60	49	50	53	55	50	51
3 years	56	56	45	46	32	34	29	33	18	21	35	39	40	43	29	31	32	34	30	32
5 years	50	50	42	43	23	25	24	30	8	12	29	34	31	35	19	21	29	32	.	.
8 years	44	44	33	35	19	22	15	22	6	11	25	32	22	28	13	17	.	.	.	.
10 years	44	44	25	26	19	22	15	22	6	11	25	32	20	26	.	.	.	.	.	.
Females	(5)		(17)		(39)		(39)		(31)		(20)		(23)		(28)		(32)		(28)	
1 year	100	100	76	77	74	75	54	55	48	52	60	61	61	62	79	80	50	51	68	69
3 years	80	80	45	45	44	45	18	19	34	41	25	26	35	37	54	57	31	33	25	27
5 years	80	80	45	45	40	42	14	15	18	24	25	26	26	28	46	51	28	31	.	.
8 years	80	80	37	38	37	38	14	15	.	.	20	21	22	24	39	44	.	.	.	.
10 years	.	.	37	38	29	31	14	15	.	.	20	21	22	24	.	.	.	.	.	.
Overall	(24)		(91)		(195)		(168)		(82)		(100)		(104)		(129)		(135)		(92)	
1 year	75	75	75	75	63	64	45	47	32	34	57	59	59	61	55	56	53	54	55	57
3 years	61	61	45	46	35	36	27	30	24	31	33	36	38	42	34	36	32	34	29	31
5 years	56	56	42	43	27	29	22	27	12	18	28	33	30	34	25	28	29	32	.	.
8 years	51	51	34	36	23	25	15	21	6	10	24	30	22	28	19	23	.	.	.	.
10 years	51	51	28	30	22	24	15	21	6	10	24	30	20	26	.	.	.	.	.	.

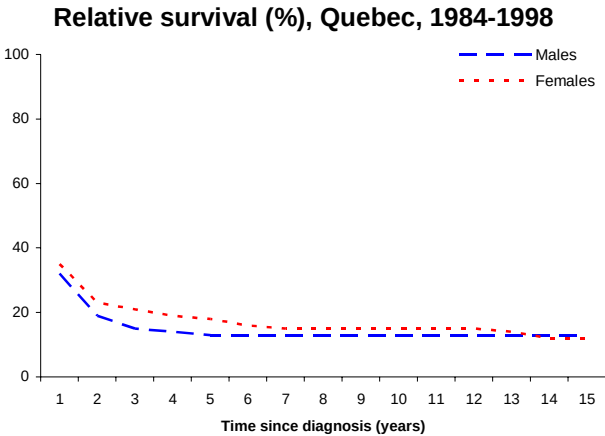


Source : Quebec Cancer Registry.

Oesophagus (ICD-9 150)

Number of cases, Quebec, 1984-1998

Males	2,222
Females	834
Overall	3,056



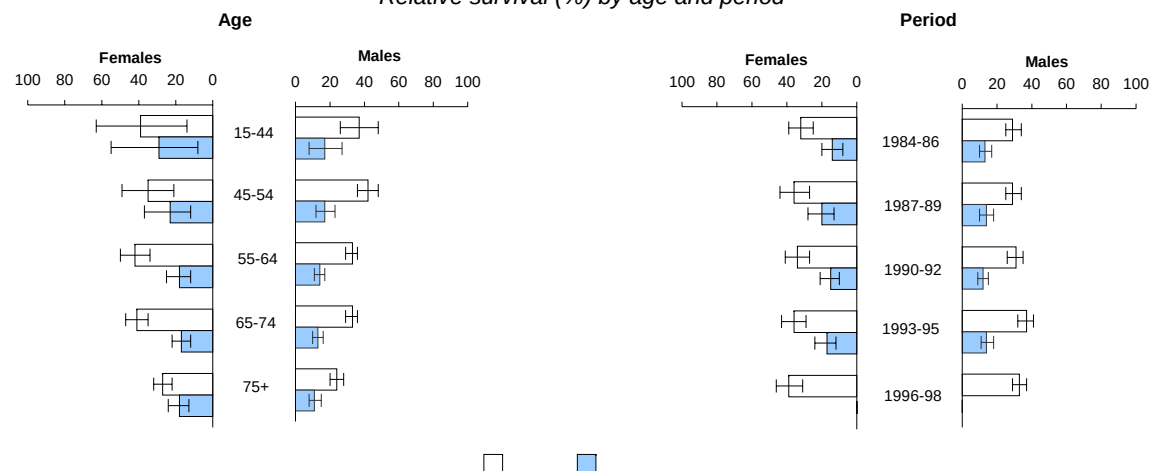
Source : Quebec Cancer Registry.

Oesophagus (ICD-9 150)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(73)		(254)		(612)		(781)		(502)		(394)		(417)		(454)		(445)		(512)	
1 year	37	37	42	42	32	33	31	33	21	24	28	29	28	29	30	31	35	37	32	33
3 years	18	19	20	20	15	16	13	15	8	11	14	16	13	14	12	14	16	17	14	16
5 years	16	17	16	17	13	14	10	13	7	11	11	13	11	14	10	12	12	14	.	.
8 years	12	12	13	14	12	14	8	12	4	9	10	13	9	13	8	11	.	.	.	.
10 years	12	12	12	13	11	14	8	12	4	9	10	13	8	12	.	.	.	.	.	.
Females	(13)		(43)		(147)		(272)		(359)		(167)		(126)		(185)		(179)		(177)	
1 year	38	39	35	35	42	42	40	41	25	27	31	32	34	36	32	34	35	36	37	39
3 years	29	29	23	23	22	22	22	23	15	18	16	17	20	22	18	20	18	20	26	29
5 years	29	29	23	23	17	18	15	17	13	18	11	14	17	20	12	15	15	17	.	.
8 years	29	29	23	23	11	11	12	14	8	16	8	11	13	17	7	10	.	.	.	.
10 years	29	29	23	23	9	10	11	14	8	16	8	11	13	17	.	.	.	.	.	.
Overall	(86)		(297)		(759)		(1 053)		(861)		(561)		(543)		(639)		(624)		(689)	
1 year	37	37	41	41	34	34	34	35	23	25	29	30	29	31	30	32	35	36	33	34
3 years	20	20	20	20	17	17	16	17	11	14	14	16	14	16	14	15	16	18	17	19
5 years	18	18	17	18	14	15	11	14	9	14	11	13	13	15	11	13	13	15	.	.
8 years	14	14	14	15	12	13	9	13	6	13	9	12	10	14	8	10	.	.	.	.
10 years	14	14	13	14	11	13	9	13	6	13	9	12	9	14	.	.	.	.	.	.

Relative survival (%) by age and period

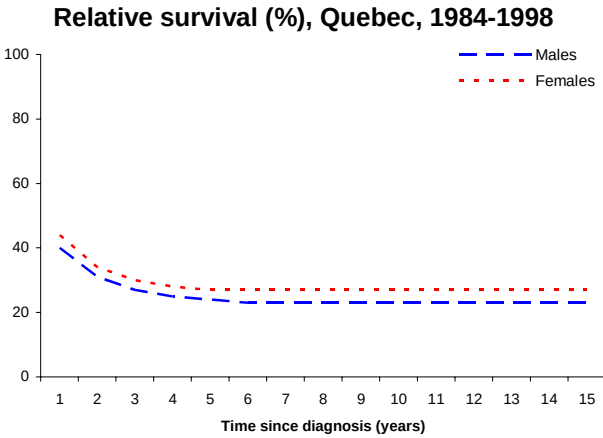


Source : Quebec Cancer Registry.

Stomach (ICD-9 151)

Number of cases, Quebec, 1984-1998

Males	7,061
Females	4,345
Overall	11,406



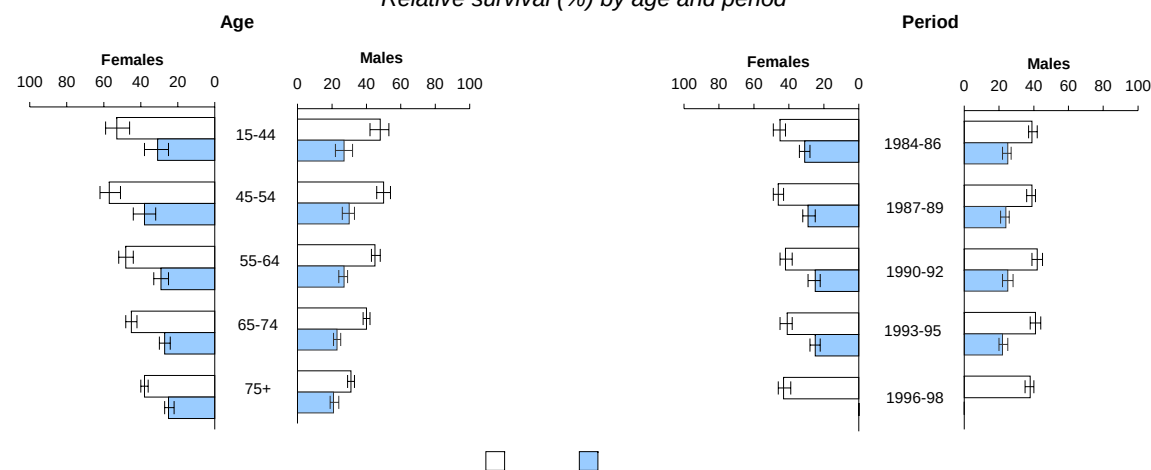
Source : Quebec Cancer Registry.

Stomach (ICD-9 151)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(318)		(678)		(1,519)		(2,277)		(2,269)		(1,527)		(1,457)		(1,411)		(1,368)		(1,298)	
1 year	47	48	50	50	45	45	38	40	28	31	37	39	37	39	40	42	39	41	36	38
3 years	35	35	33	34	28	29	23	26	16	22	24	27	24	28	24	28	22	25	24	27
5 years	26	27	29	30	24	27	18	23	12	21	19	25	19	24	20	25	18	22	.	.
8 years	24	24	25	27	20	24	14	22	8	21	15	24	16	23	16	23	.	.	.	.
10 years	22	23	24	26	19	23	13	22	7	21	14	24	14	23	.	.	.	.	.	.
Females	(221)		(311)		(636)		(1,182)		(1,995)		(917)		(913)		(882)		(850)		(783)	
1 year	53	53	57	57	48	48	44	45	35	38	44	45	44	46	40	42	40	41	41	43
3 years	35	36	40	40	32	33	29	30	21	26	29	32	29	32	26	29	24	27	25	28
5 years	31	31	37	38	28	29	24	27	16	25	25	31	24	29	21	25	20	25	.	.
8 years	30	30	34	35	25	27	21	26	13	25	22	30	20	28	17	25	.	.	.	.
10 years	28	29	33	34	24	26	18	24	11	25	20	30	18	28	.	.	.	.	.	.
Overall	(539)		(989)		(2,155)		(3,459)		(4,264)		(2,444)		(2,370)		(2,293)		(2,218)		(2,081)	
1 year	50	50	52	52	46	46	40	42	31	34	40	42	40	42	40	42	39	41	38	40
3 years	35	35	35	36	29	30	25	28	18	24	25	29	26	29	25	28	23	26	24	27
5 years	28	29	31	32	25	27	20	24	14	23	22	27	21	26	20	25	19	23	.	.
8 years	27	27	28	30	22	25	17	23	11	23	18	26	18	25	16	24	.	.	.	.
10 years	25	26	27	29	20	24	15	23	9	23	17	26	16	25	.	.	.	.	.	.

Relative survival (%) by age and period

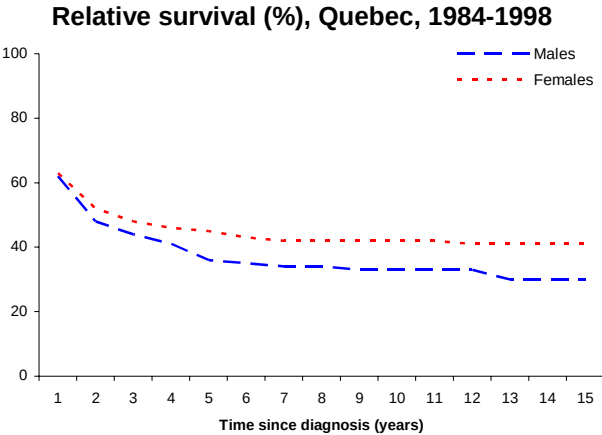


Source : Quebec Cancer Registry.

Small intestine (ICD-9 152)

Number of cases, Quebec, 1984-1998

Males	489
Females	472
Overall	961

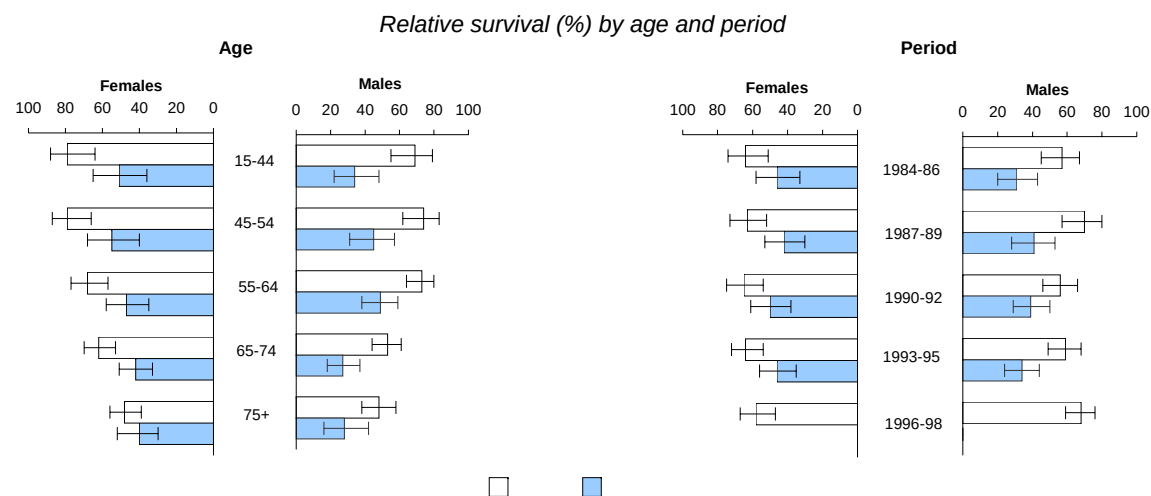


Source : Quebec Cancer Registry.

Small intestine (ICD-9 152)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(58)		(68)		(117)		(138)		(108)		(77)		(71)		(105)		(111)		(125)	
1 year	69	69	74	74	72	73	51	53	44	48	55	57	68	70	54	56	57	59	66	68
3 years	39	39	56	57	54	56	30	33	26	36	40	45	48	52	37	41	34	38	39	43
5 years	34	34	43	45	45	49	22	27	16	28	26	31	35	41	33	39	28	34	.	.
8 years	34	34	43	45	37	43	16	21	12	25	23	30	31	38	26	34	.	.	.	.
10 years	34	34	39	41	37	43	16	21	6	16	21	28	28	37	.	.	.	.	.	.
Females	(47)		(56)		(84)		(138)		(147)		(71)		(90)		(89)		(118)		(104)	
1 year	79	79	79	79	68	68	61	62	44	48	62	64	61	63	64	65	62	64	56	58
3 years	65	65	57	57	48	49	43	45	32	41	45	49	42	46	48	52	46	50	41	44
5 years	51	51	54	55	45	47	38	42	28	40	39	46	37	42	44	50	39	46	.	.
8 years	45	45	54	55	34	37	31	38	21	38	32	42	30	37	37	47	.	.	.	.
10 years	45	45	54	55	32	35	29	37	20	38	32	42	28	37	.	.	.	.	.	.
Overall	(105)		(124)		(201)		(276)		(255)		(148)		(161)		(194)		(229)		(229)	
1 year	73	73	76	76	70	71	56	58	44	48	58	60	64	66	59	61	59	61	61	63
3 years	51	51	56	57	51	53	37	40	30	39	43	47	45	48	42	46	40	44	39	43
5 years	42	42	48	49	45	48	30	35	23	36	32	38	36	41	38	44	34	40	.	.
8 years	39	39	48	49	36	40	24	31	18	35	28	37	30	38	31	40	.	.	.	.
10 years	39	39	45	47	34	40	23	31	14	35	26	37	28	37	.	.	.	.	.	.

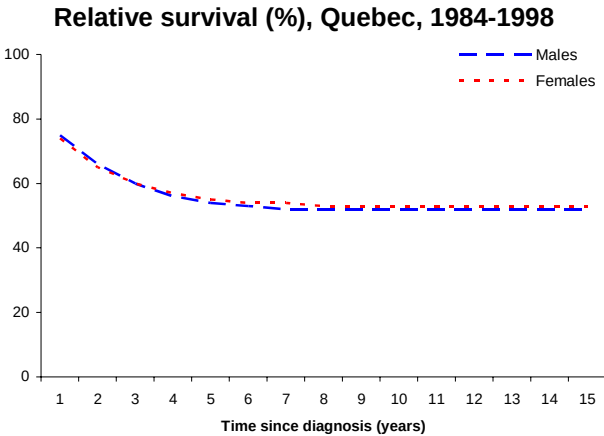


Source : Quebec Cancer Registry.

Colo rectal (ICD-9 153-154)

Number of cases, Quebec, 1984-1998

Males	26,106
Females	25,620
Overall	51,726



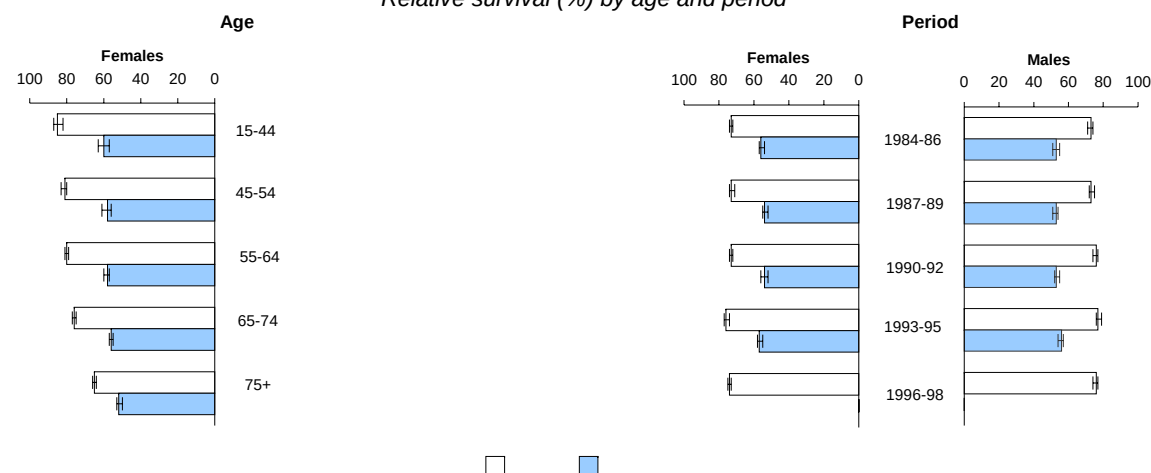
Source : Quebec Cancer Registry.

Colo rectal (ICD-9 153-154)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males,	(1,090)		(2,771)		(6,396)		(8,874)		(6,975)		(4,648)		(4,939)		(5,348)		(5,491)		(5,680)	
1 year	82	82	81	82	78	79	73	75	60	66	69	73	70	73	72	76	74	77	73	76
3 years	63	63	61	62	59	62	54	60	40	56	50	58	51	58	53	60	55	62	54	61
5 years	56	57	54	55	50	55	44	54	30	53	42	53	42	53	43	53	45	56	.	.
8 years	53	54	49	52	43	51	35	52	20	53	34	52	34	50	35	51	.	.	.	.
10 years	51	53	47	51	41	51	30	51	16	53	31	52	30	49	.	.	.	.	.	.
Females	(1,075)		(2,405)		(4,924)		(7,488)		(9,728)		(4,824)		(4,928)		(5,190)		(5,430)		(5,248)	
1 year	85	85	81	81	79	80	74	76	61	65	71	73	70	73	71	73	73	76	72	74
3 years	66	66	64	64	63	64	58	61	43	54	54	60	54	59	53	58	55	61	55	60
5 years	60	60	57	58	56	58	50	56	35	52	47	56	46	54	46	54	48	57	.	.
8 years	56	57	54	55	50	55	43	53	27	52	41	54	39	51	39	53	.	.	.	.
10 years	55	56	52	55	48	54	39	52	23	52	38	54	36	51	.	.	.	.	.	.
Overall	(2,165)		(5,176)		(11,320)		(16,362)		(16,703)		(9,472)		(9,867)		(10,538)		(10,921)		(10,928)	
1 year	83	83	81	81	79	80	73	76	60	66	70	73	70	73	72	74	74	76	72	75
3 years	64	65	62	63	61	63	55	61	42	55	52	59	52	58	53	59	55	62	54	61
5 years	58	59	55	57	53	56	47	55	33	52	44	54	44	53	44	54	46	56	.	.
8 years	54	55	51	54	46	53	39	52	24	52	38	53	36	50	37	52	.	.	.	.
10 years	53	54	50	53	44	52	34	52	20	52	34	53	33	50	.	.	.	.	.	.

Relative survival (%) by age and period

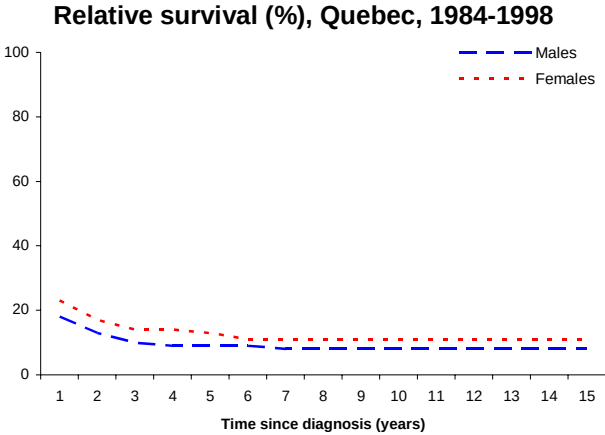


Source : Quebec Cancer Registry.

Liver (ICD-9 155)

Number of cases, Quebec, 1984-1998

Males	2,089
Females	1,051
Overall	3,140



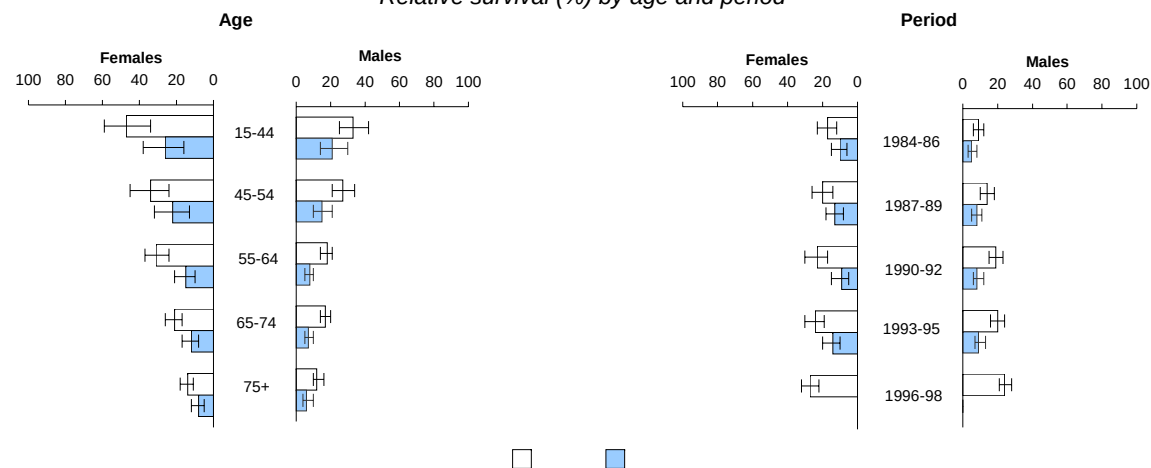
Source : Quebec Cancer Registry.

Liver (ICD-9 155)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(121)		(196)		(533)		(780)		(459)		(327)		(351)		(378)		(472)		(561)	
1 year	33	33	27	27	17	18	16	17	11	12	8	9	13	14	18	19	19	20	23	24
3 years	24	24	17	17	9	10	7	8	5	7	4	5	7	8	9	10	11	12	11	12
5 years	21	21	15	15	7	8	6	7	4	6	4	5	7	8	7	8	8	9	.	.
8 years	20	20	10	10	5	6	5	7	4	6	3	4	6	8	6	7	.	.	.	.
10 years	20	20	10	10	5	6	5	7	4	6	3	4	6	8	.	.	.	.	.	.
Females	(62)		(70)		(187)		(316)		(416)		(165)		(185)		(171)		(243)		(287)	
1 year	47	47	34	34	30	31	21	21	13	14	16	17	19	20	22	23	23	24	26	27
3 years	36	36	21	22	17	17	13	14	7	9	10	11	14	15	11	12	14	15	16	17
5 years	26	26	21	22	14	15	11	12	6	8	8	10	12	13	8	9	13	14	.	.
8 years	24	24	19	19	11	12	11	12	4	6	7	9	10	11	8	9	.	.	.	.
10 years	24	24	19	19	11	12	11	12	3	6	7	8	10	11	.	.	.	.	.	.
Overall	(183)		(266)		(720)		(1 096)		(875)		(492)		(536)		(549)		(715)		(848)	
1 year	38	38	29	29	21	21	18	18	12	13	11	11	15	16	19	20	20	21	24	25
3 years	28	28	18	19	11	12	9	10	6	8	6	7	10	10	10	11	12	13	13	14
5 years	23	23	17	17	9	9	7	9	5	7	6	7	8	10	7	9	10	11	.	.
8 years	21	21	13	13	7	7	6	8	4	7	4	6	7	9	6	8	.	.	.	.
10 years	21	21	13	13	7	7	6	8	3	7	4	6	7	9	.	.	.	.	.	.

Relative survival (%) by age and period

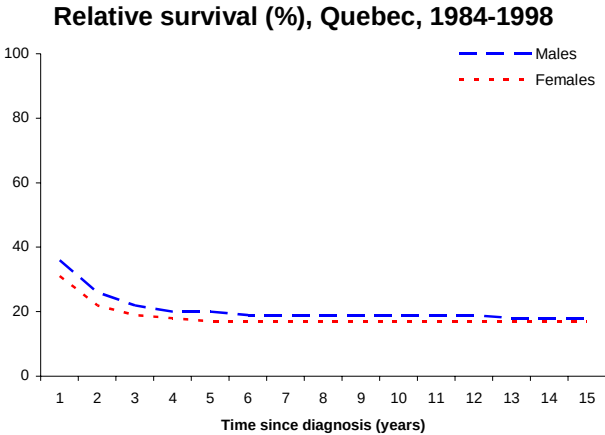


Source : Quebec Cancer Registry.

Biliary tract (ICD-9 156)

Number of cases, Quebec, 1984-1998

Males	1,250
Females	2,004
Overall	3,254

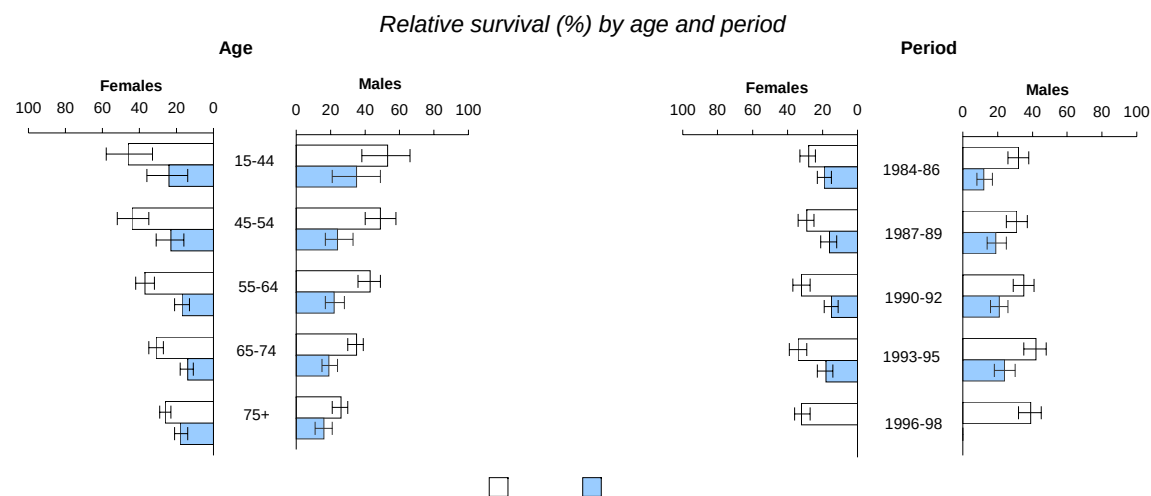


Source : Quebec Cancer Registry.

Biliary tract (ICD-9 156)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(47)		(122)		(240)		(411)		(430)		(260)		(231)		(279)		(265)		(215)	
1 year	53	53	49	49	42	43	33	35	23	26	30	32	29	31	33	35	40	42	37	39
3 years	37	37	28	29	24	25	19	21	12	16	13	15	16	19	21	24	23	27	20	22
5 years	34	35	24	24	21	22	15	19	9	16	10	12	16	19	17	21	19	24	.	.
8 years	28	28	22	23	19	21	12	17	7	16	8	12	12	17	15	20	.	.	.	.
10 years	28	28	22	23	17	20	10	15	6	16	8	12	10	16	.	.	.	.	.	.
Females	(61)		(136)		(317)		(594)		(896)		(421)		(377)		(404)		(392)		(410)	
1 year	46	46	43	44	37	37	30	31	24	26	27	28	28	29	31	32	33	34	30	32
3 years	28	28	24	25	20	20	17	18	14	18	17	19	17	19	17	18	19	21	15	17
5 years	24	24	23	23	16	17	13	14	12	18	16	19	13	16	12	15	15	18	.	.
8 years	20	21	18	18	14	15	11	14	11	18	14	19	11	16	11	14	.	.	.	.
10 years	20	21	18	18	12	13	11	14	9	18	13	19	11	16	.	.	.	.	.	.
Overall	(108)		(258)		(557)		(1 005)		(1 326)		(681)		(608)		(683)		(657)		(625)	
1 year	49	49	46	46	39	39	32	32	24	26	28	30	28	30	32	33	35	37	33	34
3 years	32	32	26	27	22	22	18	19	14	18	15	18	17	19	18	20	21	23	17	19
5 years	28	29	23	24	18	19	14	16	11	17	13	17	14	18	14	17	17	20	.	.
8 years	24	24	20	20	16	18	12	15	10	17	12	17	11	17	13	17	.	.	.	.
10 years	24	24	20	20	14	17	11	15	8	17	11	17	11	17	.	.	.	.	.	.

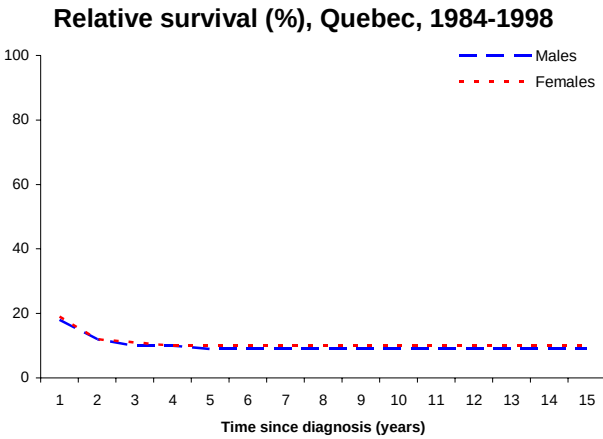


Source : Quebec Cancer Registry.

Pancreas (ICD-9 157)

Number of cases, Quebec, 1984-1998

Males	5,202
Females	4,904
Overall	10,106



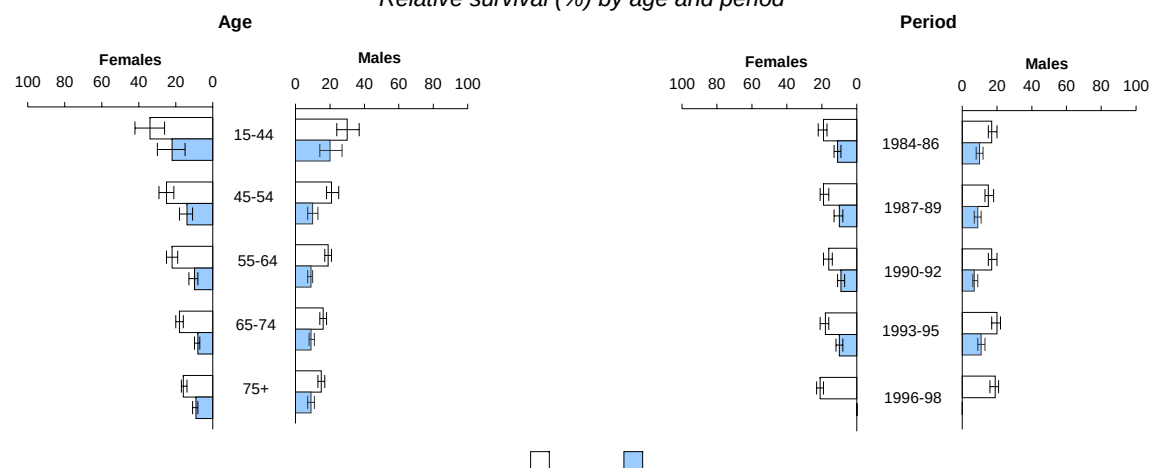
Source : Quebec Cancer Registry.

Pancreas (ICD-9 157)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(178)		(549)		(1,332)		(1,765)		(1,378)		(1,055)		(1,025)		(976)		(1,106)		(1,040)	
1 year	30	30	21	21	19	19	15	16	14	15	16	17	15	15	17	17	19	20	18	19
3 years	22	22	12	13	9	9	9	10	6	9	9	10	9	10	7	9	10	12	9	10
5 years	20	20	10	10	8	9	7	9	5	9	8	10	7	9	6	7	9	11	.	.
8 years	20	20	8	8	7	8	6	8	4	9	7	10	6	9	5	7	.	.	.	.
10 years	20	20	8	8	7	8	6	8	3	9	6	10	6	9	.	.	.	.	.	.
Females	(129)		(366)		(850)		(1,551)		(2,008)		(880)		(920)		(955)		(1,048)		(1,101)	
1 year	34	34	25	25	22	22	18	18	15	16	19	19	18	19	16	16	18	18	20	21
3 years	23	23	14	14	11	11	9	10	8	9	11	12	10	11	8	9	9	10	9	10
5 years	22	22	14	14	10	10	8	8	6	9	9	11	9	10	7	9	8	10	.	.
8 years	22	22	14	14	10	10	7	8	6	9	9	11	8	10	7	9	.	.	.	.
10 years	22	22	13	13	9	10	7	8	5	9	8	11	8	10	.	.	.	.	.	.
Overall	(307)		(915)		(2,182)		(3,316)		(3,386)		(1,935)		(1,945)		(1,931)		(2,154)		(2,141)	
1 year	32	32	23	23	20	20	16	17	14	16	17	18	16	17	16	17	18	19	19	20
3 years	22	23	13	13	10	10	9	10	7	9	10	11	9	10	8	9	10	11	9	10
5 years	21	21	11	12	9	9	7	9	6	9	8	10	8	10	7	8	9	10	.	.
8 years	21	21	10	11	8	9	7	9	5	9	7	10	7	10	6	8	.	.	.	.
10 years	21	21	10	10	8	9	6	9	4	9	7	10	7	10	.	.	.	.	.	.

Relative survival (%) by age and period

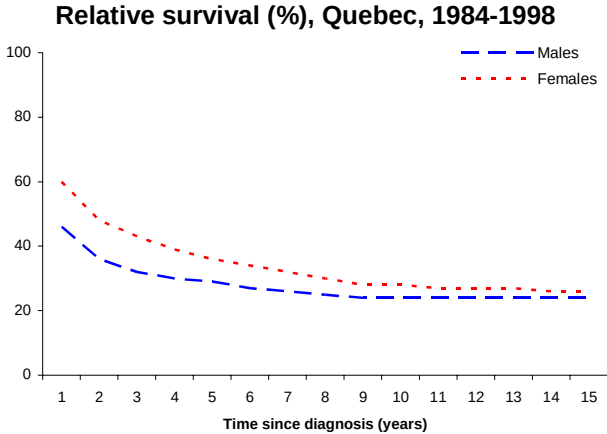


Source : Quebec Cancer Registry.

Retroperitoneum and peritoneum (ICD-9 158)

Number of cases, Quebec, 1984-1998

Males	336
Females	462
Overall	798



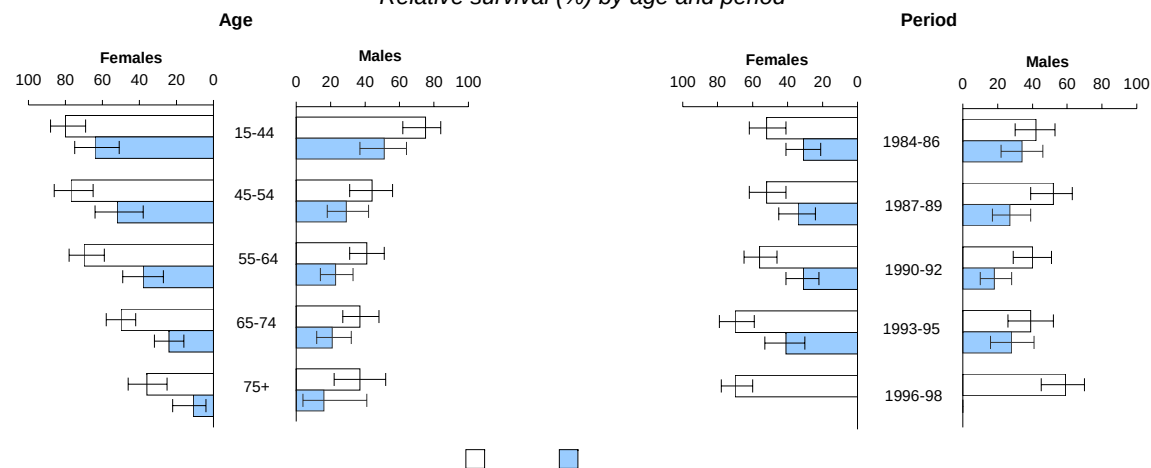
Source : Quebec Cancer Registry.

Retroperitoneum and peritoneum (ICD-9 158)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(59)		(57)		(94)		(81)		(45)		(67)		(74)		(77)		(55)		(63)	
1 year	75	75	44	44	40	41	36	37	33	37	40	42	50	52	39	40	38	39	57	59
3 years	51	51	33	33	27	28	21	24	18	22	31	34	31	33	18	20	31	32	35	38
5 years	51	51	29	29	21	23	18	21	9	16	30	34	24	27	16	18	26	28	.	.
8 years	46	46	22	23	17	20	12	17	4	11	22	29	20	24	14	17	.	.	.	.
10 years	46	46	22	23	17	20	10	15	.	.	21	28	19	23	.	.	.	.	.	.
Females	(71)		(66)		(97)		(142)		(86)		(88)		(82)		(102)		(88)		(102)	
1 year	80	80	77	77	69	70	49	50	34	36	51	52	51	52	55	56	69	70	69	70
3 years	73	73	61	62	44	45	26	28	22	26	38	39	37	38	36	38	51	53	44	46
5 years	64	64	51	52	36	38	22	24	8	11	28	31	32	34	29	31	39	41	.	.
8 years	58	59	43	44	31	34	14	17	4	6	23	26	29	33	22	24	.	.	.	.
10 years	55	55	38	39	23	26	14	17	4	6	19	22	27	31	.	.	.	.	.	.
Overall	(130)		(123)		(191)		(223)		(131)		(155)		(156)		(179)		(143)		(165)	
1 year	78	78	62	62	55	56	44	46	34	36	46	48	51	52	48	49	57	58	64	66
3 years	63	63	48	48	36	37	24	26	21	26	35	37	34	36	28	30	43	45	41	44
5 years	58	59	41	42	29	31	20	24	8	12	29	32	28	31	23	25	34	36	.	.
8 years	53	53	33	34	24	27	13	18	4	7	23	27	25	29	19	21	.	.	.	.
10 years	51	52	31	32	20	23	13	18	3	6	20	25	23	28	.	.	.	.	.	.

Relative survival (%) by age and period

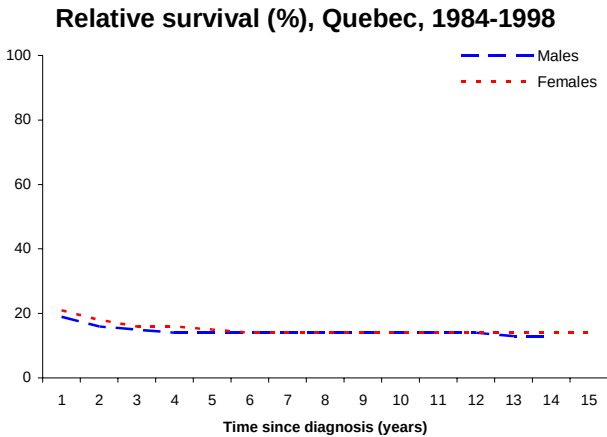


Source : Quebec Cancer Registry.

Other and ill-defined sites within the digestive organs and peritoneum (ICD-9 159)

Number of cases, Quebec, 1984-1998

Males	558
Females	633
Overall	1,191



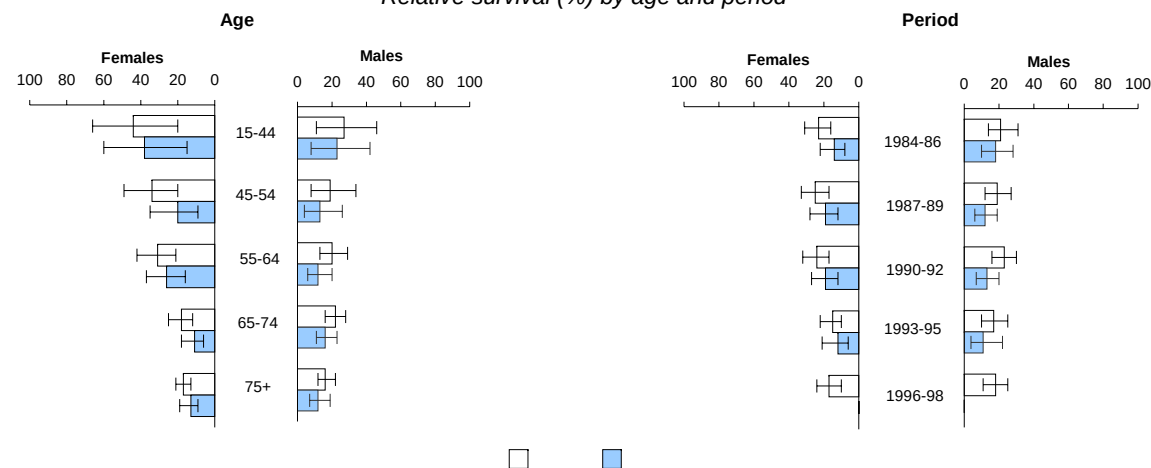
Source : Quebec Cancer Registry.

Other and ill-defined sites within the digestive organs and peritoneum (ICD-9 159)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(22)		(32)		(100)		(183)		(221)		(95)		(102)		(136)		(98)		(127)	
1 year	27	27	19	19	20	20	21	22	14	16	20	21	18	19	21	23	15	17	17	18
3 years	23	23	13	13	14	15	14	16	9	12	15	18	10	12	12	14	12	14	15	16
5 years	23	23	13	13	12	12	14	16	7	12	14	18	10	12	10	13	8	11	.	.
8 years	.	.	13	13	12	12	12	15	7	12	13	18	10	12	8	11	.	.	.	.
10 years	.	.	13	13	12	12	10	14	7	12	13	18	9	11	.	.	.	.	.	.
Females	(16)		(38)		(68)		(130)		(381)		(114)		(120)		(143)		(134)		(122)	
1 year	44	44	34	34	31	31	18	18	16	17	22	23	23	25	23	24	14	15	16	17
3 years	38	38	26	26	26	27	11	12	10	14	12	14	18	21	18	21	10	13	9	10
5 years	38	38	20	20	25	26	10	11	8	13	11	14	15	19	15	19	8	12	.	.
8 years	38	38	17	17	21	22	8	9	6	12	10	13	13	18	11	14	.	.	.	.
10 years	38	38	17	17	19	20	8	9	6	12	10	13	13	18	.	.	.	.	.	.
Overall	(38)		(70)		(168)		(313)		(602)		(209)		(222)		(279)		(232)		(249)	
1 year	34	34	27	27	24	25	19	20	15	17	21	22	21	22	22	23	15	16	16	17
3 years	29	29	19	20	19	20	13	15	10	13	13	16	14	17	15	17	11	13	12	13
5 years	29	29	16	16	17	18	12	14	8	13	12	16	13	16	13	16	9	12	.	.
8 years	29	29	14	14	15	16	10	13	6	12	11	16	12	16	10	13	.	.	.	.
10 years	29	29	14	14	14	15	9	13	6	12	11	16	11	16	.	.	.	.	.	.

Relative survival (%) by age and period

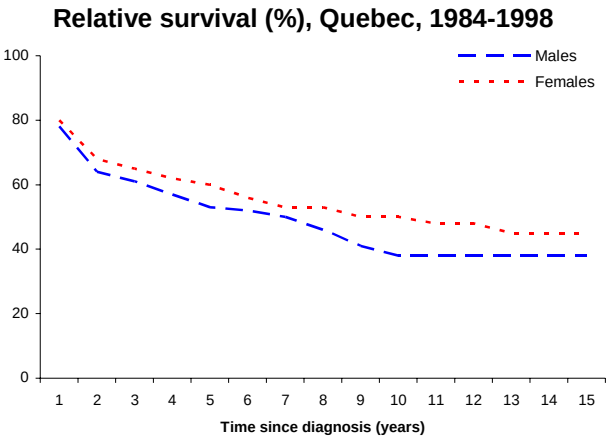


Source : Quebec Cancer Registry.

Nasal cavities (ICD-9 160)

Number of cases, Quebec, 1984-1998

Males	352
Females	252
Overall	604

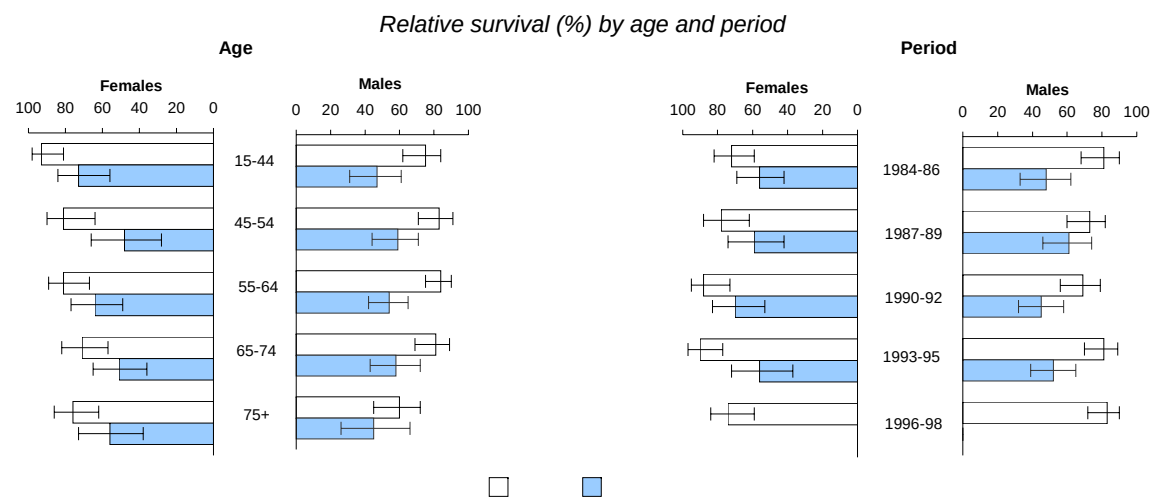


Source : Quebec Cancer Registry.

Nasal cavities (ICD-9 160)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(59)		(58)		(100)		(76)		(59)		(58)		(67)		(66)		(78)		(83)	
1 year	75	75	83	83	83	84	78	81	54	60	79	81	70	73	67	69	79	81	81	83
3 years	57	57	66	67	61	64	55	62	37	49	57	62	61	67	44	48	55	60	64	68
5 years	46	47	57	59	50	54	48	58	27	45	41	48	52	61	39	45	45	52	.	.
8 years	46	47	54	57	38	45	33	45	9	21	31	40	39	50	32	40	.	.	.	.
10 years	39	39	47	49	36	44	17	27	.	.	22	31	33	45	.	.	.	.	.	.
Females	(45)		(36)		(55)		(53)		(63)		(61)		(46)		(43)		(51)		(51)	
1 year	93	93	81	81	80	81	70	71	71	76	70	72	76	78	86	88	88	90	73	74
3 years	76	76	61	62	66	68	54	57	50	61	54	58	63	68	67	71	67	72	52	54
5 years	73	73	47	48	62	64	47	51	38	56	51	56	52	59	65	70	48	56	.	.
8 years	65	65	47	48	52	56	36	41	31	48	41	48	43	52	58	65	.	.	.	.
10 years	65	65	47	48	49	53	32	37	25	42	38	46	41	50	.	.	.	.	.	.
Overall	(104)		(94)		(155)		(129)		(122)		(119)		(113)		(109)		(129)		(134)	
1 year	83	83	82	82	82	83	74	77	63	68	75	77	73	75	74	77	83	85	78	79
3 years	65	66	64	65	63	66	55	60	44	56	55	60	62	67	53	57	60	65	59	63
5 years	59	59	54	55	54	58	48	56	33	51	46	53	52	60	50	56	46	54	.	.
8 years	55	55	52	54	44	50	35	46	22	44	36	45	41	51	42	52	.	.	.	.
10 years	51	52	47	49	41	48	23	35	14	32	30	41	36	48	.	.	.	.	.	.

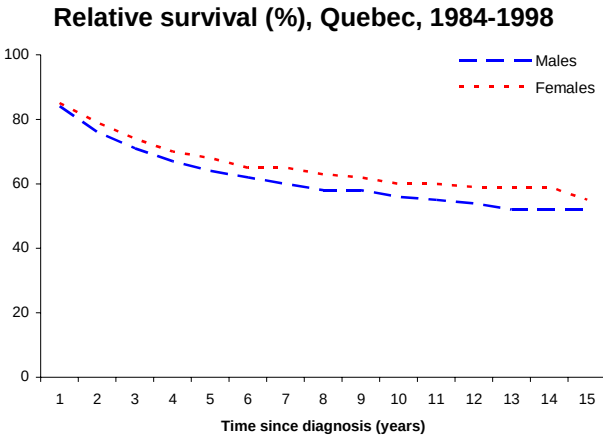


Source : Quebec Cancer Registry.

Larynx (ICD-9 161)

Number of cases, Quebec, 1984-1998

Males	5,049
Females	1,144
Overall	6,193

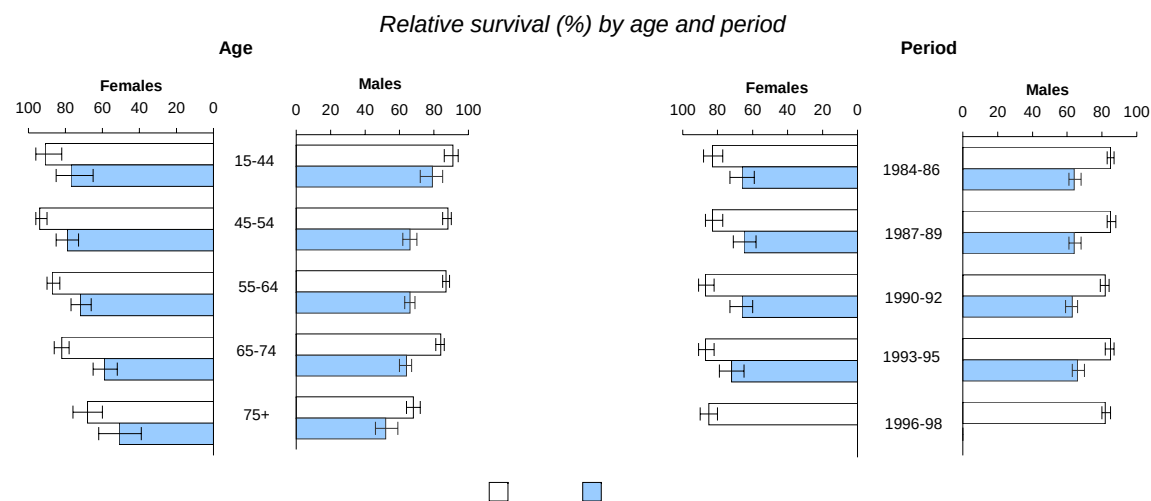


Source : Quebec Cancer Registry.

Larynx (ICD-9 161)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(194)		(821)		(1 827)		(1 533)		(674)		(1,040)		(1,058)		(1,020)		(1,040)		(891)	
1 year	91	91	87	88	86	87	81	84	62	68	83	85	83	85	80	82	82	85	80	82
3 years	83	84	71	72	70	73	63	70	44	59	66	72	64	70	64	69	68	73	63	69
5 years	78	79	64	66	60	66	52	64	31	52	55	64	55	64	55	63	58	66	.	.
8 years	71	73	55	59	50	59	41	59	19	49	46	60	45	58	44	56	.	.	.	.
10 years	69	71	54	58	45	57	34	55	15	49	42	58	40	56	.	.	.	.	.	.
Females	(69)		(229)		(369)		(326)		(151)		(206)		(246)		(246)		(223)		(223)	
1 year	91	91	93	94	86	87	81	82	64	68	82	83	81	83	86	87	86	87	84	85
3 years	81	81	84	85	76	77	63	67	48	58	67	70	68	71	71	74	74	77	72	76
5 years	76	77	78	79	69	72	53	59	37	51	62	66	60	65	62	66	67	72	.	.
8 years	73	73	71	73	59	64	46	54	28	48	55	62	51	58	55	62	.	.	.	.
10 years	70	70	69	72	54	60	40	50	27	48	50	59	47	56	.	.	.	.	.	.
Overall	(263)		(1,050)		(2,196)		(1,859)		(825)		(1,246)		(1,304)		(1,266)		(1,263)		(1,114)	
1 year	91	91	89	89	86	87	81	83	62	68	82	85	83	85	81	83	83	85	81	83
3 years	83	83	74	75	71	74	63	70	45	59	66	72	65	70	65	70	69	74	65	71
5 years	78	78	67	69	62	67	52	63	32	52	56	65	56	64	56	64	59	67	.	.
8 years	72	73	59	62	52	60	42	58	21	49	48	60	46	58	46	57	.	.	.	.
10 years	69	71	57	61	47	57	35	55	17	49	43	59	41	56	.	.	.	.	.	.

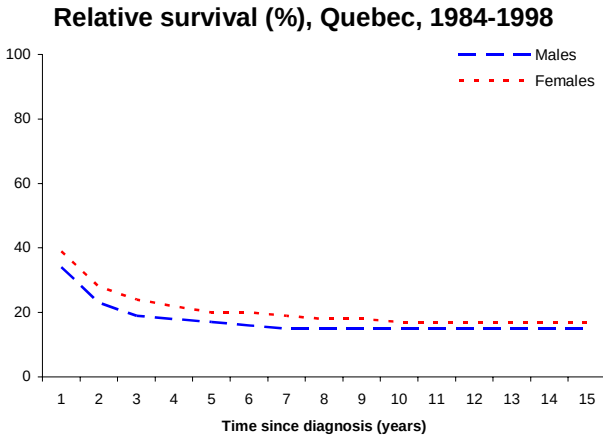


Source : Quebec Cancer Registry.

Lung (ICD-9 162)

Number of cases, Quebec, 1984-1998

Males	46,984
Females	20,077
Overall	67,061

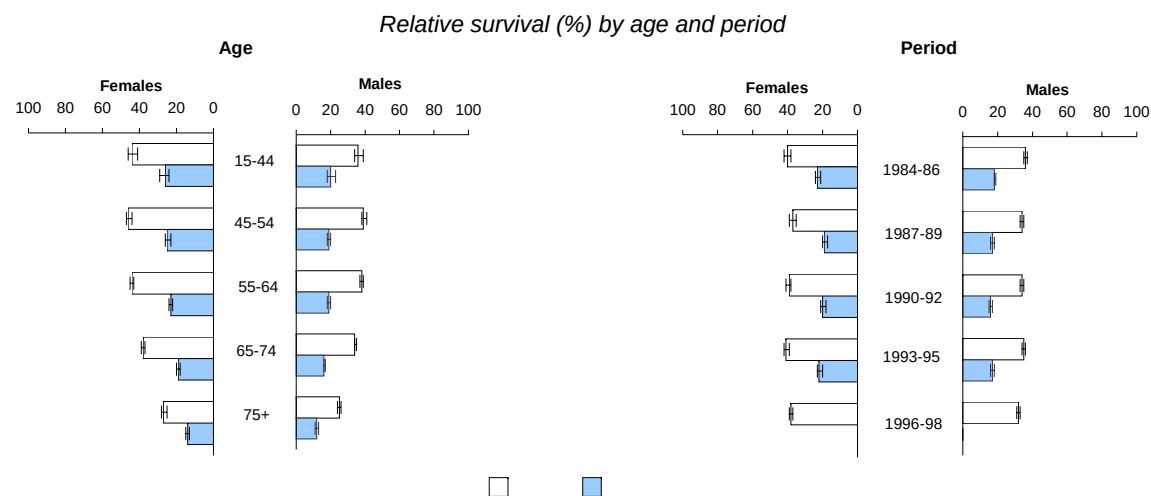


Source : Quebec Cancer Registry.

Lung (ICD-9 162)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(1,249)		(4,857)		(13,117)		(17,421)		(10,340)		(8,800)		(9,350)		(9,601)		(9,860)		(9,373)	
1 year	36	36	39	39	37	38	33	34	23	25	34	36	33	34	32	34	34	35	30	32
3 years	22	22	21	22	21	22	17	20	10	13	19	21	18	20	17	19	18	20	16	18
5 years	20	20	18	19	18	19	13	16	7	12	15	18	14	17	13	16	14	17	.	.
8 years	18	19	16	17	14	17	10	15	5	12	12	17	11	15	10	14	.	.	.	.
10 years	18	18	14	16	12	15	9	14	4	12	11	16	10	15	.	.	.	.	.	.
Females	(1,334)		(3,019)		(5,304)		(6,269)		(4,151)		(2,778)		(3,276)		(4,163)		(4,691)		(5,169)	
1 year	44	44	46	46	44	44	37	38	25	27	39	40	36	37	39	39	40	41	37	38
3 years	29	29	27	28	26	27	22	23	14	16	24	25	21	22	22	23	24	25	22	23
5 years	26	26	24	25	22	23	17	19	10	14	21	23	17	19	18	20	20	22	.	.
8 years	24	24	22	23	18	19	14	17	7	13	17	21	14	17	14	17	.	.	.	.
10 years	22	22	21	22	16	18	12	16	7	13	16	20	13	16	.	.	.	.	.	.
Overall	(2,583)		(7,876)		(18,421)		(23,690)		(14,491)		(11,578)		(12,626)		(13,764)		(14,551)		(14,542)	
1 year	40	40	42	42	39	40	34	35	23	26	35	37	34	35	34	35	36	37	33	34
3 years	26	26	24	24	23	24	18	20	11	14	20	22	19	20	18	20	20	22	18	20
5 years	23	23	21	21	19	20	14	17	8	13	17	20	15	17	15	17	16	19	.	.
8 years	21	21	18	19	15	17	11	15	6	12	13	18	12	15	11	15	.	.	.	.
10 years	20	20	17	18	13	16	9	15	5	12	12	17	10	15	.	.	.	.	.	.

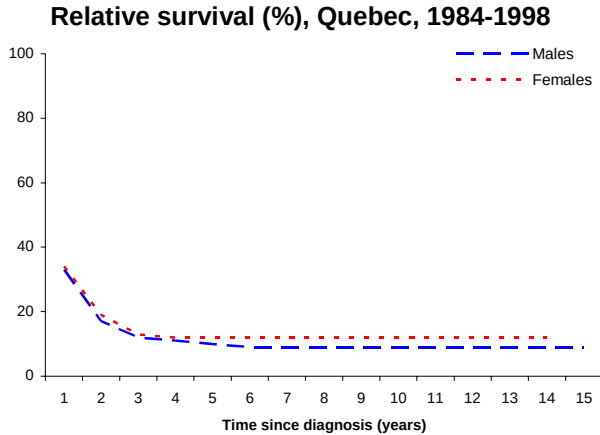


Source : Quebec Cancer Registry.

Pleura (ICD-9 163)

Number of cases, Quebec, 1984-1998

Males	839
Females	259
Overall	1,098



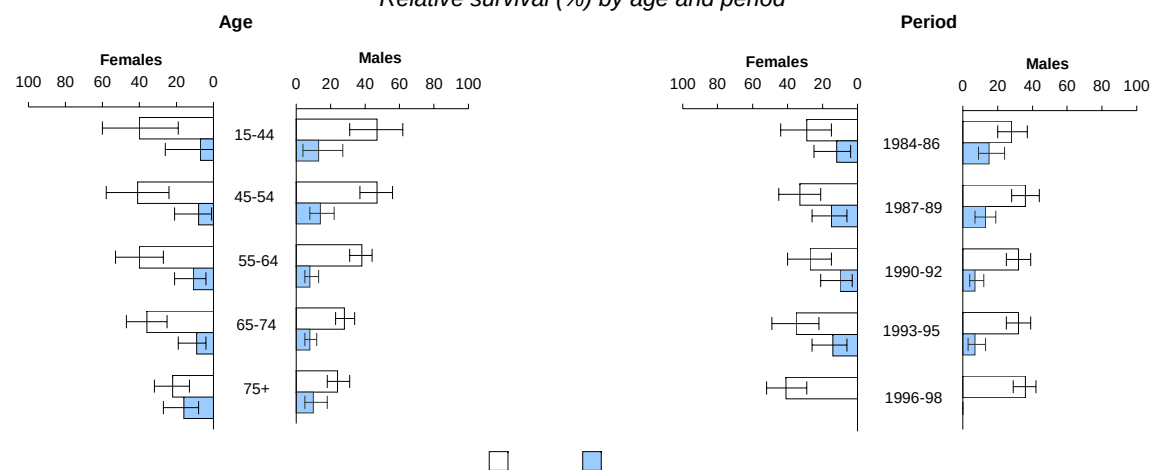
Source : Quebec Cancer Registry.

Pleura (ICD-9 163)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(36)		(108)		(229)		(291)		(175)		(114)		(148)		(171)		(189)		(217)	
1 year	47	47	46	47	37	38	27	28	22	24	27	28	35	36	31	32	31	32	35	36
3 years	17	17	19	19	11	11	9	10	8	11	15	17	14	15	8	9	9	10	10	11
5 years	13	13	14	14	8	8	6	8	7	10	12	15	11	13	6	7	6	7	.	.
8 years	13	13	11	11	6	6	6	8	7	10	12	15	9	12	4	5	.	.	.	.
10 years	13	13	9	10	6	6	6	8	7	10	12	15	9	12	.	.	.	.	.	.
Females	(20)		(29)		(55)		(76)		(79)		(36)		(59)		(46)		(47)		(71)	
1 year	40	40	41	41	40	40	36	36	20	22	28	29	32	33	26	27	34	35	39	41
3 years	7	7	8	8	14	15	12	13	13	16	11	12	17	19	9	10	15	16	.	.
5 years	7	7	8	8	10	11	9	9	13	16	11	12	12	15	9	10	13	14	.	.
8 years	.	.	8	8	10	11	9	9	11	16	11	12	12	15	7	8	.	.	.	.
10 years	.	.	8	8	10	11	9	9	11	16	11	12	12	15	.	.	.	.	.	.
Overall	(56)		(137)		(284)		(367)		(254)		(150)		(207)		(217)		(236)		(288)	
1 year	45	45	45	45	38	38	29	30	21	23	27	28	34	35	30	31	31	33	36	37
3 years	13	13	16	17	12	12	10	11	10	13	14	16	15	16	8	9	10	11	8	9
5 years	11	11	12	13	8	9	7	8	9	13	12	15	11	13	6	8	7	9	.	.
8 years	11	11	10	10	7	7	7	8	8	13	12	15	10	13	5	6	.	.	.	.
10 years	11	11	9	9	7	7	7	8	8	13	12	15	10	13	.	.	.	.	.	.

Relative survival (%) by age and period

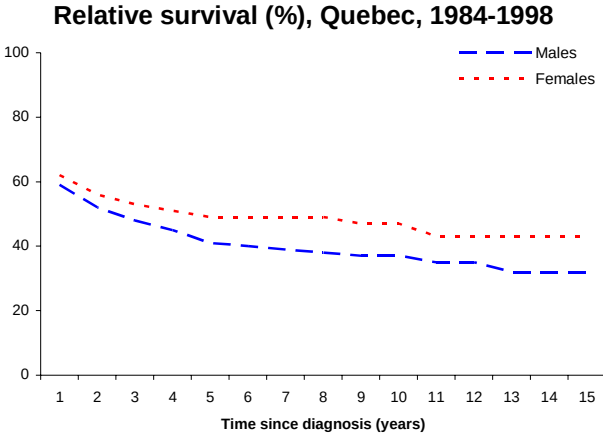


Source : Quebec Cancer Registry.

Thymus, heart, and mediastinum (ICD-9 164)

Number of cases, Quebec, 1984-1998

Males	273
Females	196
Overall	469

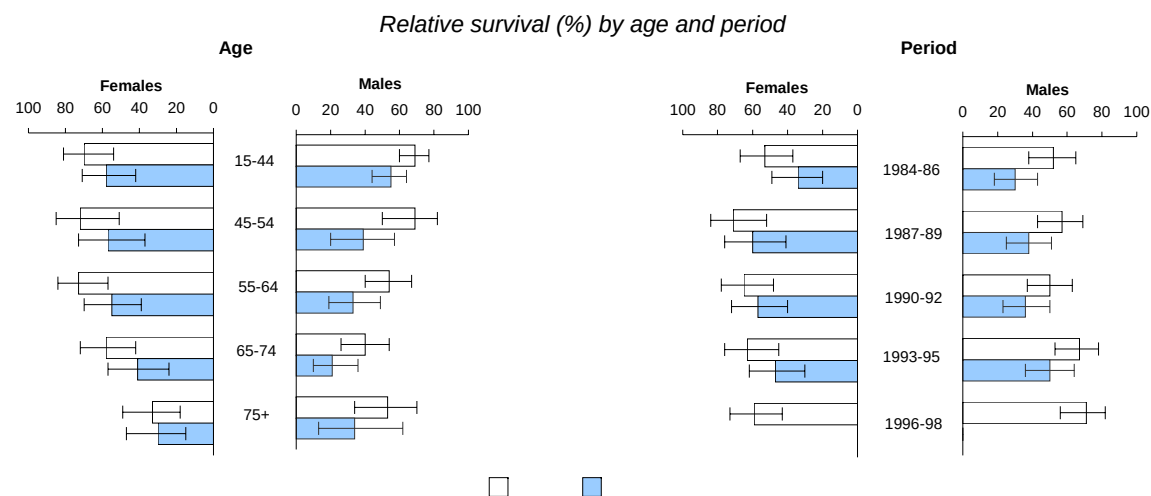


Source : Quebec Cancer Registry.

Thymus, heart, and mediastinum (ICD-9 164)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(107)		(32)		(54)		(47)		(33)		(53)		(55)		(57)		(58)		(50)	
1 year	69	69	69	69	54	54	38	40	48	53	51	52	56	57	49	50	66	67	70	71
3 years	61	62	47	47	43	45	19	21	30	39	40	41	42	43	39	42	48	51	56	60
5 years	54	55	37	39	31	33	19	21	20	34	28	30	36	38	32	36	47	50	.	.
8 years	53	53	31	32	22	25	9	11	14	26	26	28	35	36	28	34	.	.	.	.
10 years	53	53	25	26	22	25	9	11	.	.	26	28	33	35	.	.	.	.	.	.
Females	(46)		(28)		(44)		(42)		(36)		(40)		(33)		(41)		(39)		(43)	
1 year	70	70	71	72	73	73	57	58	31	33	53	53	70	71	63	65	62	63	58	59
3 years	58	58	57	57	61	62	49	51	27	30	40	41	61	63	56	59	49	51	50	52
5 years	58	58	57	57	53	55	37	41	27	30	33	34	58	60	54	57	44	47	.	.
8 years	58	58	57	57	50	53	37	41	27	30	33	34	58	60	51	56	.	.	.	.
10 years	58	58	51	51	45	48	31	36	27	30	33	34	48	53	.	.	.	.	.	.
Overall	(153)		(60)		(98)		(89)		(69)		(93)		(88)		(98)		(97)		(93)	
1 year	69	69	70	70	62	63	47	49	39	42	52	53	61	62	55	56	64	65	65	66
3 years	60	61	52	52	51	52	34	37	28	35	40	41	49	51	46	49	48	51	54	57
5 years	55	55	47	48	41	44	27	31	23	35	30	32	44	47	41	46	45	49	.	.
8 years	54	55	44	45	36	40	25	30	20	33	29	31	43	46	38	44	.	.	.	.
10 years	54	55	38	39	33	38	21	27	20	33	29	31	39	42	.	.	.	.	.	.

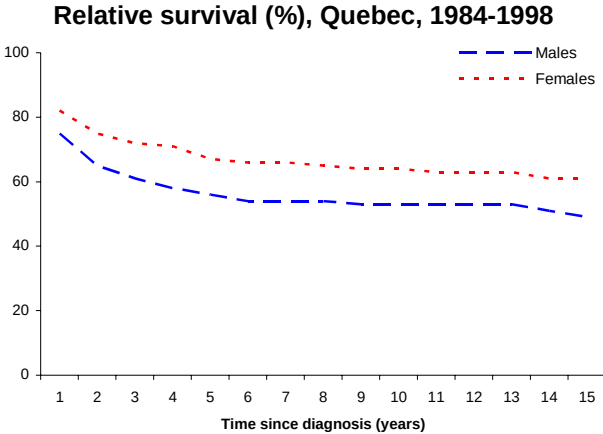


Source : Quebec Cancer Registry.

Bone (ICD-9 170)

Number of cases, Quebec, 1984-1998

Males	566
Females	436
Overall	1,002



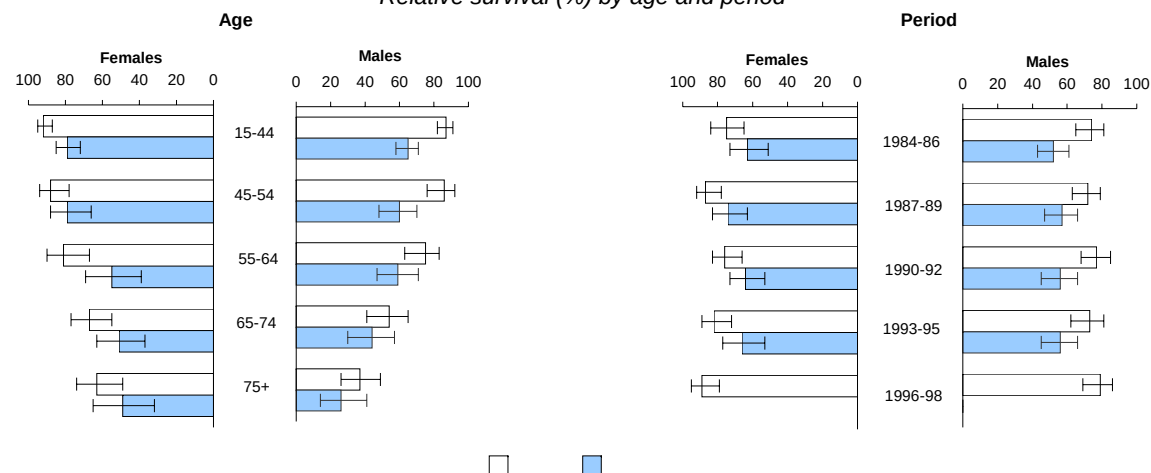
Source : Quebec Cancer Registry.

Bone (ICD-9 170)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(253)		(88)		(76)		(69)		(80)		(140)		(123)		(106)		(98)		(99)	
1 year	87	87	85	86	74	75	52	54	34	37	72	74	71	72	75	77	70	73	78	79
3 years	69	70	68	70	62	64	42	47	21	27	55	58	59	62	57	60	55	58	70	71
5 years	65	65	58	60	56	59	36	44	16	26	48	52	53	57	51	56	52	56	.	.
8 years	61	62	57	59	52	58	29	39	11	24	44	51	50	56	46	52	.	.	.	.
10 years	61	61	57	59	45	53	26	38	9	24	44	51	46	54	.	.	.	.	.	.
Females	(174)		(68)		(51)		(74)		(69)		(85)		(101)		(98)		(80)		(72)	
1 year	92	92	88	88	80	81	66	67	58	63	74	75	85	87	74	76	81	82	88	89
3 years	82	82	80	81	65	66	53	56	45	58	62	66	77	81	64	67	70	72	69	73
5 years	79	79	78	79	53	55	46	51	34	49	59	63	68	74	60	64	62	66	.	.
8 years	77	77	76	77	47	49	36	43	25	47	54	62	61	69	56	60	.	.	.	.
10 years	77	77	73	75	42	44	36	43	16	38	47	56	61	69	.	.	.	.	.	.
Overall	(427)		(156)		(127)		(143)		(149)		(225)		(224)		(204)		(178)		(171)	
1 year	89	89	87	87	76	77	59	61	45	49	73	74	77	79	75	76	75	77	82	83
3 years	75	75	73	74	63	65	48	52	32	42	58	61	67	71	60	63	62	65	69	72
5 years	71	71	67	68	55	59	41	47	24	38	52	57	60	65	55	60	57	61	.	.
8 years	68	69	65	67	50	56	33	42	18	37	48	55	55	62	51	57	.	.	.	.
10 years	67	68	63	66	44	51	31	42	12	34	45	55	53	61	.	.	.	.	.	.

Relative survival (%) by age and period

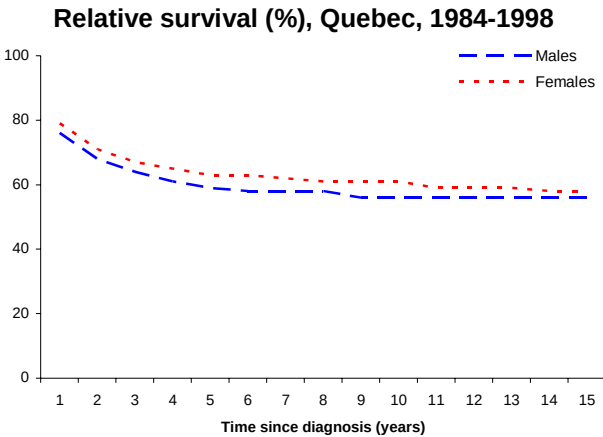


Source : Quebec Cancer Registry.

Soft tissues (ICD-9 171)

Number of cases, Quebec, 1984-1998

Males	1,075
Females	932
Overall	2,007

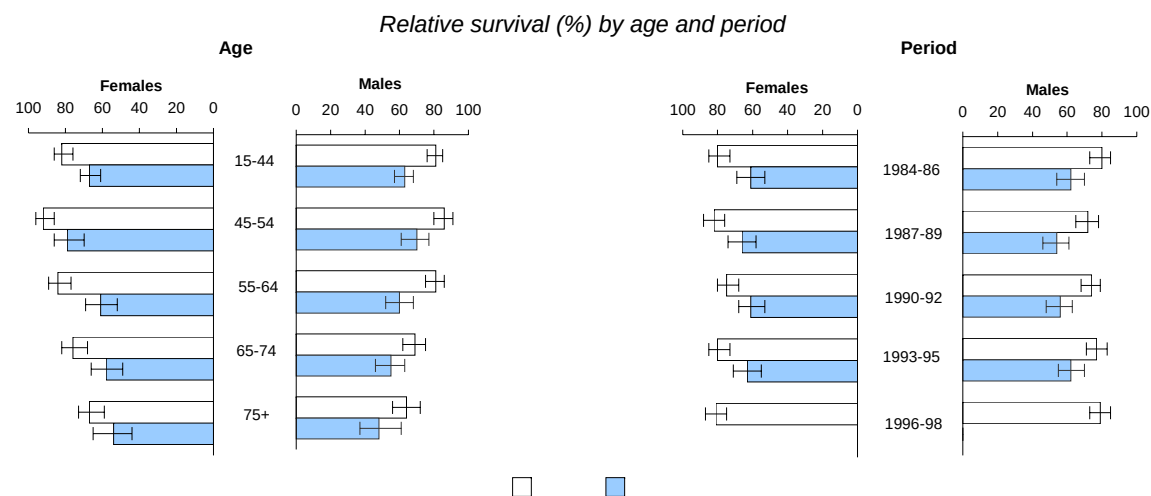


Source : Quebec Cancer Registry.

Soft tissues (ICD-9 171)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(297)		(155)		(207)		(223)		(193)		(199)		(205)		(233)		(223)		(215)	
1 year	80	81	86	86	80	81	67	69	58	64	77	80	70	72	72	74	75	77	77	79
3 years	66	67	74	75	64	68	50	57	38	53	64	70	53	57	56	60	59	65	65	70
5 years	62	63	68	70	55	60	45	55	28	48	54	62	47	54	49	56	55	62	.	.
8 years	58	59	64	67	50	58	39	52	22	48	49	61	42	52	44	54	.	.	.	.
10 years	56	57	58	63	46	57	31	48	18	48	45	60	38	50	.	.	.	.	.	.
Females	(275)		(126)		(169)		(161)		(201)		(182)		(172)		(199)		(196)		(183)	
1 year	81	82	92	92	83	84	75	76	62	67	78	80	81	82	73	75	78	80	80	81
3 years	71	71	81	82	66	67	57	61	46	57	62	65	66	70	62	65	64	68	63	67
5 years	66	67	78	79	59	61	52	58	37	54	57	61	60	66	56	61	56	63	.	.
8 years	66	66	75	76	53	57	48	57	24	45	52	59	56	66	51	57	.	.	.	.
10 years	66	66	73	74	47	52	46	57	21	45	49	59	53	65	.	.	.	.	.	.
Overall	(572)		(281)		(376)		(384)		(394)		(381)		(377)		(432)		(419)		(398)	
1 year	81	81	89	89	81	82	70	72	60	66	78	80	75	77	73	74	76	78	78	80
3 years	69	69	77	78	65	67	53	58	42	55	63	68	59	63	59	63	61	66	64	68
5 years	64	65	72	74	57	61	48	56	32	52	55	62	53	60	52	58	55	63	.	.
8 years	62	63	69	72	51	58	42	55	23	49	50	61	48	59	47	56	.	.	.	.
10 years	61	62	65	68	47	55	38	54	19	49	47	60	45	58	.	.	.	.	.	.

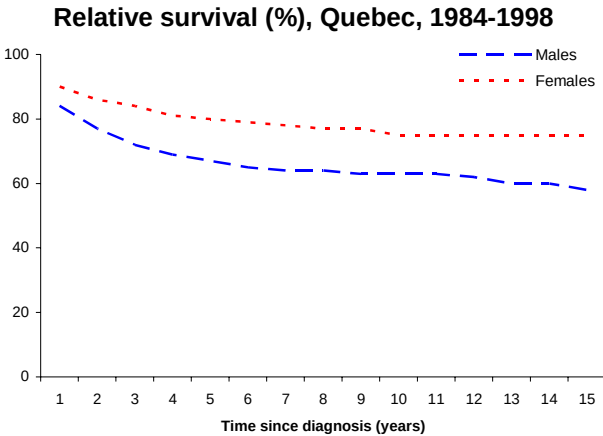


Source : Quebec Cancer Registry.

Melanoma of skin (ICD-9 172)

Number of cases, Quebec, 1984-1998

Males	2,263
Females	2,481
Overall	4,744



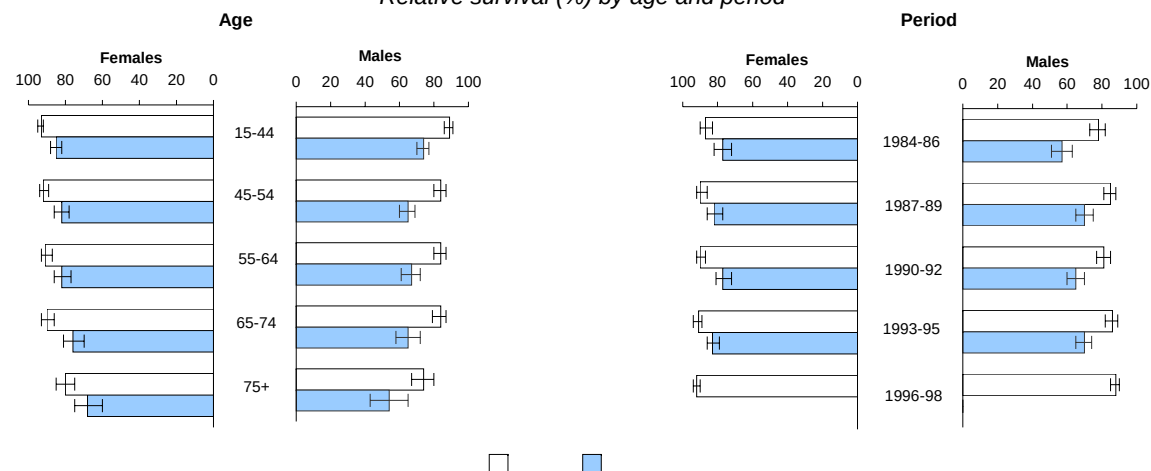
Source : Quebec Cancer Registry.

Melanoma of skin (ICD-9 172)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(621)		(494)		(470)		(415)		(263)		(332)		(379)		(478)		(500)		(574)	
1 year	89	89	84	84	82	84	81	84	67	74	76	78	83	85	79	81	84	86	86	88
3 years	78	79	70	71	69	72	62	70	42	57	62	66	70	74	65	69	68	72	72	76
5 years	73	74	63	65	61	67	53	65	32	54	52	57	64	70	58	65	62	70	.	.
8 years	69	70	59	63	52	61	43	61	22	53	46	55	56	66	52	62	.	.	.	.
10 years	67	69	58	62	50	61	34	56	18	53	45	55	53	64	.	.	.	.	.	.
Females	(886)		(444)		(402)		(388)		(361)		(364)		(424)		(521)		(584)		(588)	
1 year	93	93	92	92	90	91	88	90	75	80	86	87	88	90	89	90	90	91	91	92
3 years	88	89	86	86	84	85	76	81	57	70	78	82	81	84	78	81	83	86	82	86
5 years	85	85	81	82	78	82	68	76	48	68	71	77	77	82	72	77	77	83	.	.
8 years	81	82	79	81	69	74	60	74	35	64	65	73	72	80	66	74	.	.	.	.
10 years	79	79	75	78	67	73	54	71	28	64	62	72	68	78	.	.	.	.	.	.
Overall	(1 507)		(938)		(872)		(803)		(624)		(696)		(803)		(999)		(1,084)		(1,162)	
1 year	91	91	87	88	86	87	84	87	71	78	81	83	86	87	84	86	87	89	89	90
3 years	84	84	77	78	76	78	69	75	50	65	70	74	76	79	72	75	76	80	77	81
5 years	80	80	71	73	69	74	60	70	41	62	62	68	71	77	65	71	70	77	.	.
8 years	76	77	69	72	60	67	52	67	30	60	56	64	65	73	59	68	.	.	.	.
10 years	74	75	66	70	58	67	44	65	24	60	54	64	61	71	.	.	.	.	.	.

Relative survival (%) by age and period



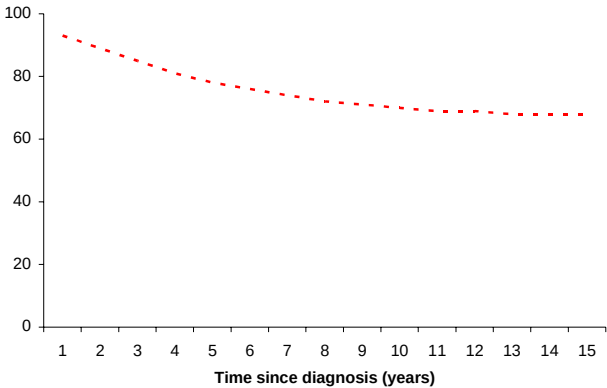
Source : Quebec Cancer Registry.

Female breast (ICD-9 174)

Number of cases, Quebec, 1984-1998

Females 52,625

Relative survival (%), Quebec, 1984-1998



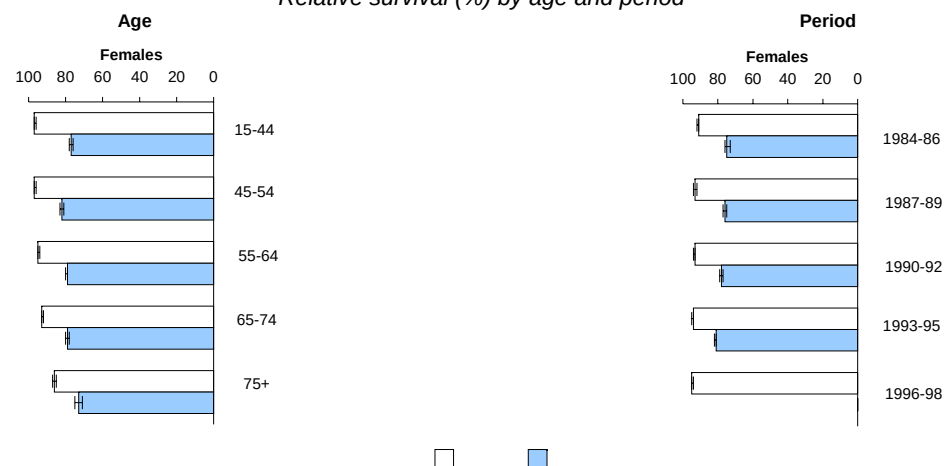
Source : Quebec Cancer Registry.

Female breast (ICD-9 174)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Females	(7,739)		(10,937)		(12,341)		(12,068)		(9,537)		(8,698)		(9,569)		(10,422)		(11,412)		(12,521)	
1 year	97	97	96	97	94	95	91	93	80	86	90	91	91	93	92	93	93	94	93	95
3 years	85	86	88	89	84	86	80	85	63	77	77	82	79	83	80	84	82	87	84	88
5 years	77	77	81	82	76	79	71	79	51	73	68	75	70	76	71	78	74	81	.	.
8 years	68	69	74	76	67	72	61	74	37	71	57	68	60	70	62	73	.	.	.	.
10 years	65	66	70	73	62	69	54	71	30	71	52	66	55	68	.	.	.	.	.	.

Relative survival (%) by age and period

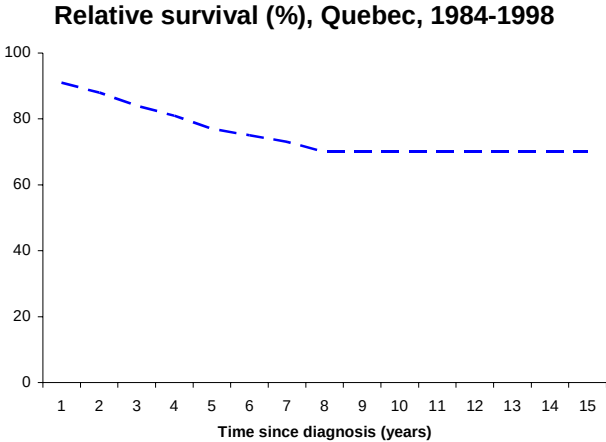


Source : Quebec Cancer Registry.

Male breast (ICD-9 175)

Number of cases, Quebec, 1984-1998

Males 366

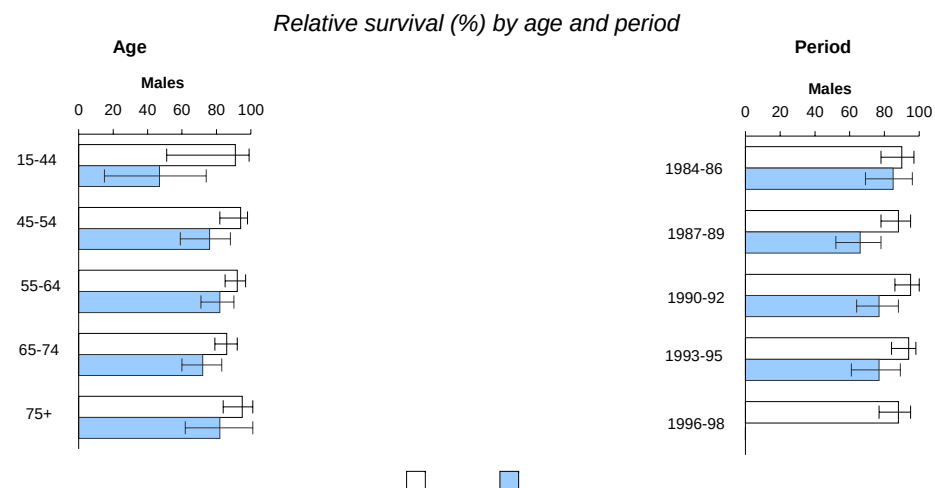


Source : Quebec Cancer Registry.

Male breast (ICD-9 175)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(11)		(48)		(101)		(127)		(79)		(59)		(79)		(84)		(76)		(68)	
1 year	91	91	94	94	91	92	83	86	86	95	86	90	85	88	90	95	91	94	85	88
3 years	81	81	80	81	85	89	71	80	61	84	76	85	73	82	73	83	78	86	73	80
5 years	46	47	74	76	75	82	59	72	50	82	73	85	54	66	64	77	65	77	.	.
8 years	46	47	55	58	64	74	45	65	33	77	64	85	41	56	45	64	.	.	.	.
10 years	46	47	55	58	62	73	38	64	30	77	61	85	37	54	.	.	.	.	.	.

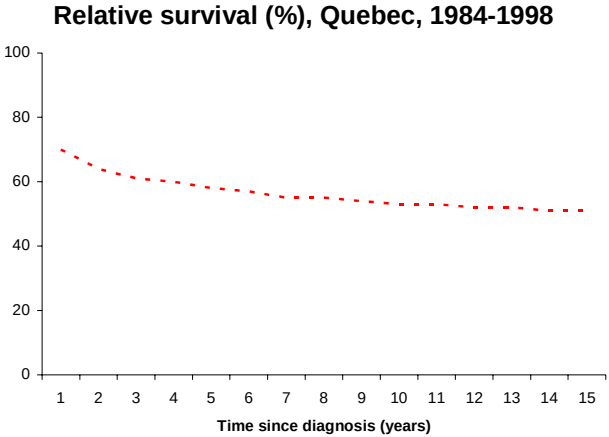


Source : Quebec Cancer Registry.

Uterus, part unspecified (ICD-9 179)

Number of cases, Quebec, 1984-1998

Females 743

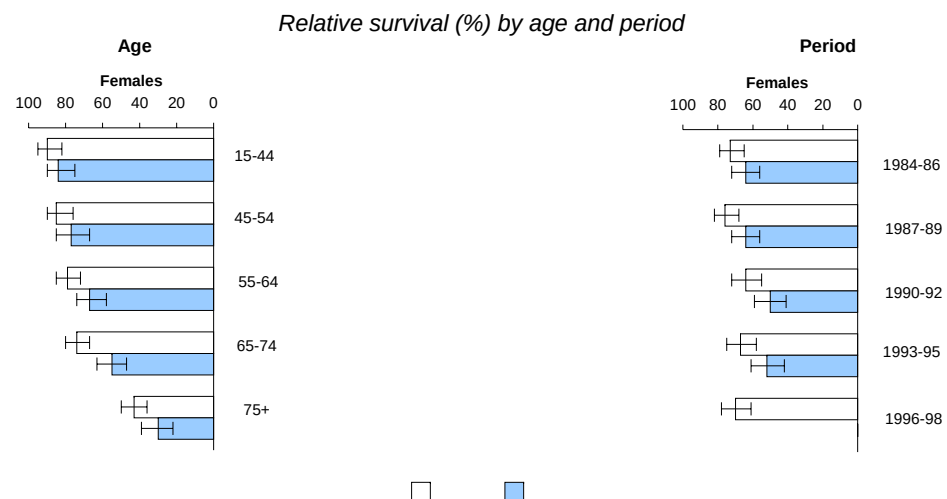


Source : Quebec Cancer Registry.

Uterus, part unspecified (ICD-9 179)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Females	(89)		(103)		(159)		(185)		(207)		(181)		(173)		(140)		(129)		(120)	
1 year	90	90	84	85	79	79	73	74	40	43	71	73	73	76	62	64	65	67	68	70
3 years	84	84	81	82	69	71	56	59	27	34	64	68	61	65	51	54	55	59	49	52
5 years	84	84	76	77	64	67	50	55	21	30	59	64	58	64	45	50	47	52	.	.
8 years	82	83	75	76	55	60	40	48	16	30	52	61	51	60	39	46	.	.	.	.
10 years	80	80	73	75	52	58	35	46	12	27	49	60	47	57	.	.	.	.	.	.

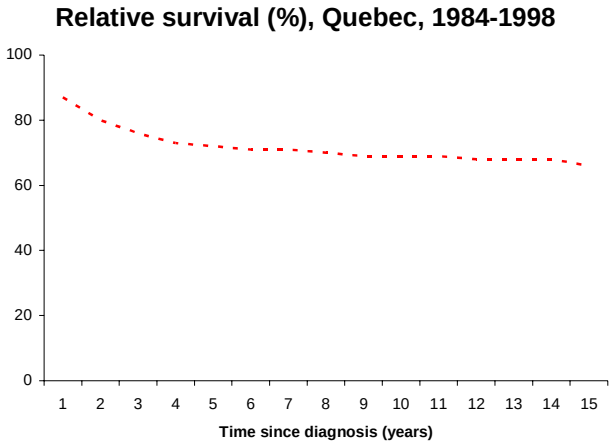


Source : Quebec Cancer Registry.

Cervix uteri (ICD-9 180)

Number of cases, Quebec, 1984-1998

Females 4,822

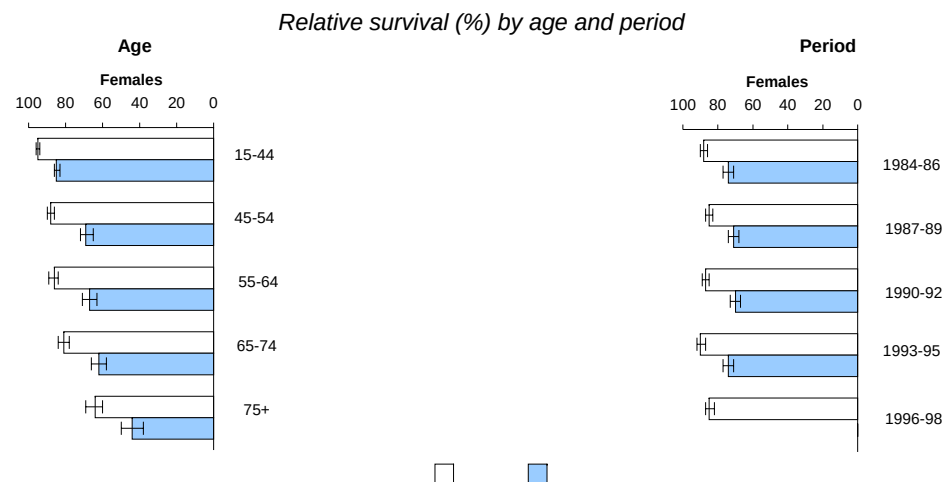


Source : Quebec Cancer Registry.

Cervix uteri (ICD-9 180)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Females	(2,088)		(816)		(672)		(708)		(538)		(1,121)		(940)		(928)		(961)		(872)	
1 year	95	95	88	88	86	86	79	81	60	64	87	88	84	85	86	87	89	90	84	85
3 years	87	87	73	73	72	74	64	67	40	49	76	79	72	74	72	74	75	77	72	74
5 years	84	85	68	69	64	67	56	62	31	44	70	74	67	71	67	70	71	74	.	.
8 years	83	83	65	67	59	64	47	57	25	44	66	72	63	69	64	69	.	.	.	.
10 years	82	83	63	65	54	60	42	55	21	44	63	70	61	68	.	.	.	.	.	.



Source : Quebec Cancer Registry.

Placenta (ICD-9 181)

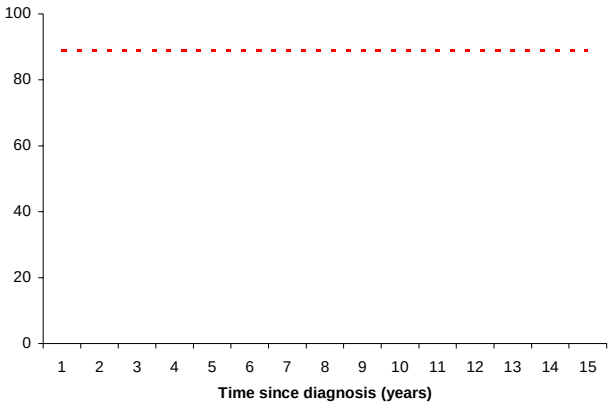
Survie observée et relative (%) pour les Females âgées de 18 à 52 years et pour la Period 1984-98
(number of cases in parentheses)

Period 1984-98		
Age class (18-52)	obs	rel
Females	(47)	
1 year	89	89
3 years	89	89
5 years	89	89
8 years	89	89
10 years	89	89

Number of cases, Quebec, 1984-1998

Females 47

Relative survival (%), Quebec, 1984-1998

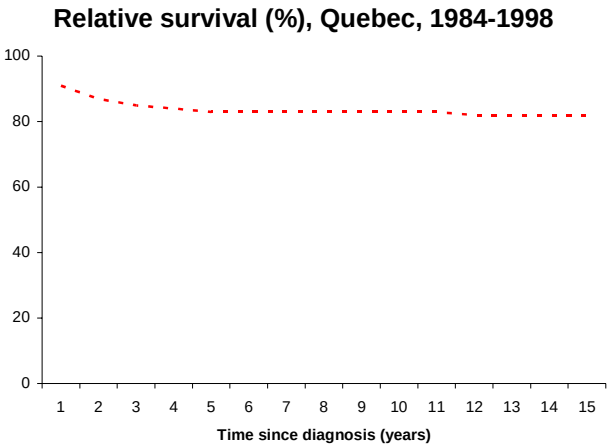


Source : Quebec Cancer Registry.

Corpus uteri (ICD-9 182)

Number of cases, Quebec, 1984-1998

Females 9,712

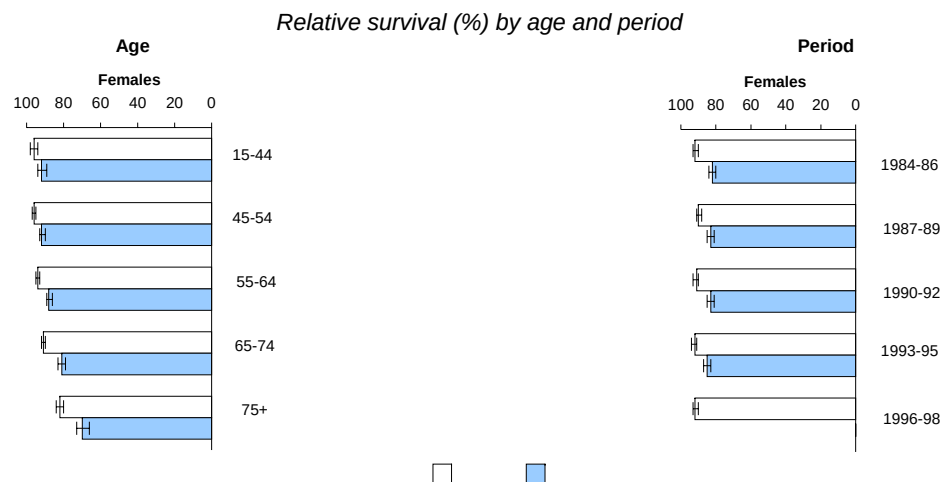


Source : Quebec Cancer Registry.

Corpus uteri (ICD-9 182)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Females	(508)		(1,444)		(2,807)		(3,090)		(1,863)		(1,862)		(1,852)		(1,925)		(2,074)		(1,999)	
1 year	96	96	96	96	94	94	90	91	77	82	90	92	88	90	90	91	91	92	90	92
3 years	93	93	92	93	88	90	79	84	60	72	80	85	80	84	81	86	81	86	79	84
5 years	91	92	90	92	84	88	73	81	50	70	75	82	75	83	75	83	77	85	.	.
8 years	91	92	87	90	80	87	66	81	39	69	69	82	70	82	69	82	.	.	.	.
10 years	90	91	86	90	78	86	61	80	33	69	66	82	65	82	.	.	.	.	.	.

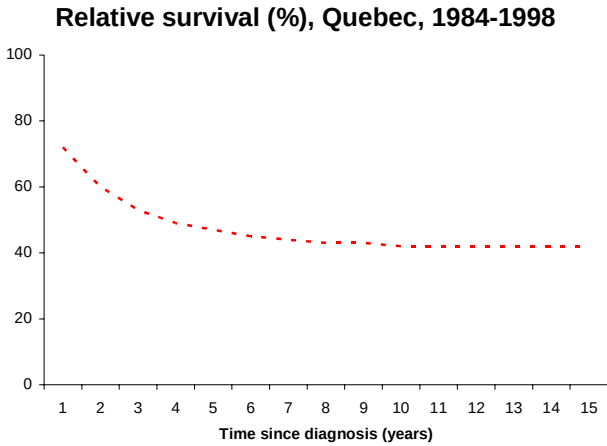


Source : Quebec Cancer Registry.

Ovary (ICD-9 183)

Number of cases, Quebec, 1984-1998

Females 6,868

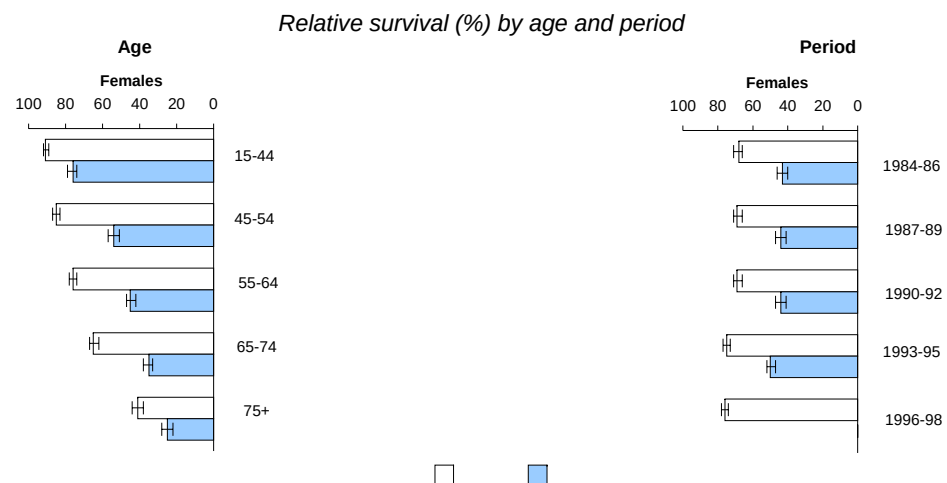


Source : Quebec Cancer Registry.

Ovary (ICD-9 183)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Females	(1,213)		(1,301)		(1,576)		(1,528)		(1,250)		(1,248)		(1,163)		(1,333)		(1,600)		(1,524)	
1 year	91	91	84	85	75	76	64	65	39	41	67	68	67	69	67	69	74	75	75	76
3 years	81	81	63	63	51	53	40	42	23	28	47	49	47	49	48	50	55	58	56	59
5 years	76	76	53	54	43	45	32	35	18	25	40	43	42	44	41	44	46	50	.	.
8 years	74	74	48	49	35	38	26	31	14	25	35	40	37	41	36	41	.	.	.	.
10 years	73	73	45	47	33	36	23	31	12	25	33	39	35	40	.	.	.	.	.	.

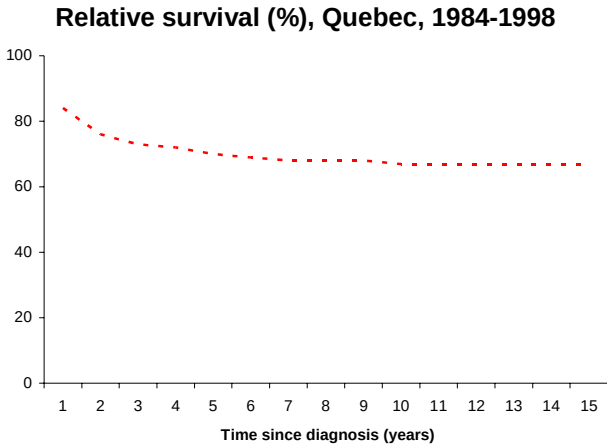


Source : Quebec Cancer Registry.

Vagina and vulva (ICD-9 184)

Number of cases, Quebec, 1984-1998

Females 1,260



Source : Quebec Cancer Registry.

Vagina and vulva (ICD-9 184)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Females	(181)		(132)		(178)		(304)		(465)		(253)		(238)		(239)		(228)		(302)	
1 year	96	96	96	96	87	87	82	83	69	74	79	81	84	87	79	81	82	85	83	86
3 years	89	89	86	86	76	78	66	70	49	63	67	74	64	71	65	71	71	78	64	70
5 years	89	89	83	85	69	72	60	67	38	58	60	71	58	67	60	70	60	71	.	.
8 years	88	88	80	82	61	67	53	65	28	56	55	69	49	63	53	68	.	.	.	.
10 years	88	88	79	81	56	63	43	57	24	56	49	67	45	62	.	.	.	.	.	.

Relative survival (%) by age and period

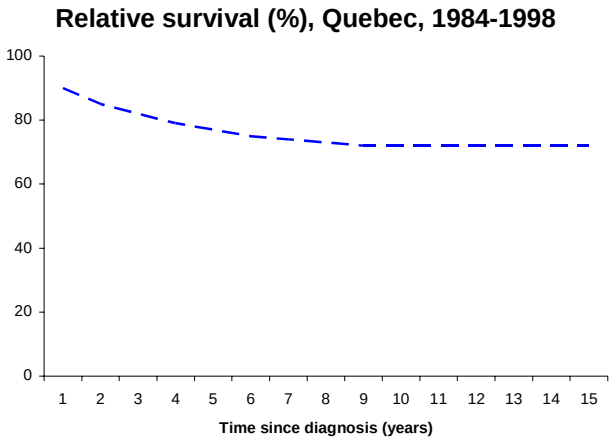


Source : Quebec Cancer Registry.

Prostate (ICD-9 185)

Number of cases, Quebec, 1984-1998

Males 35,206

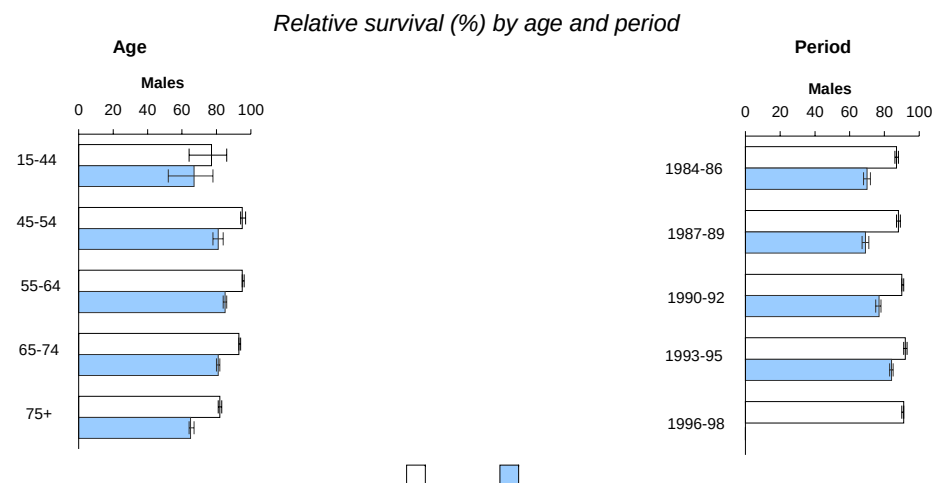


Source : Quebec Cancer Registry.

Prostate (ICD-9 185)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(56)		(1,083)		(7,386)		(14,389)		(12,292)		(5,192)		(5,725)		(7,331)		(9,505)		(7,453)	
1 year	77	77	95	95	94	95	90	93	74	82	81	87	82	88	86	90	88	92	86	91
3 years	66	67	84	86	84	88	76	86	52	71	62	76	63	75	69	82	75	87	74	85
5 years	66	67	78	81	78	85	66	81	37	65	50	70	50	69	58	77	66	84	.	.
8 years	66	67	69	74	67	80	52	77	23	64	37	67	38	65	45	73	.	.	.	.
10 years	66	67	65	71	60	76	44	75	17	64	31	67	31	64	.	.	.	.	.	.

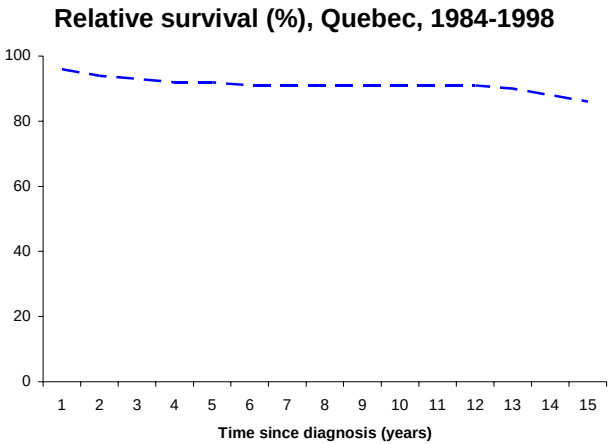


Source : Quebec Cancer Registry.

Testis (ICD-9 186)

Number of cases, Quebec, 1984-1998

Males 1,793

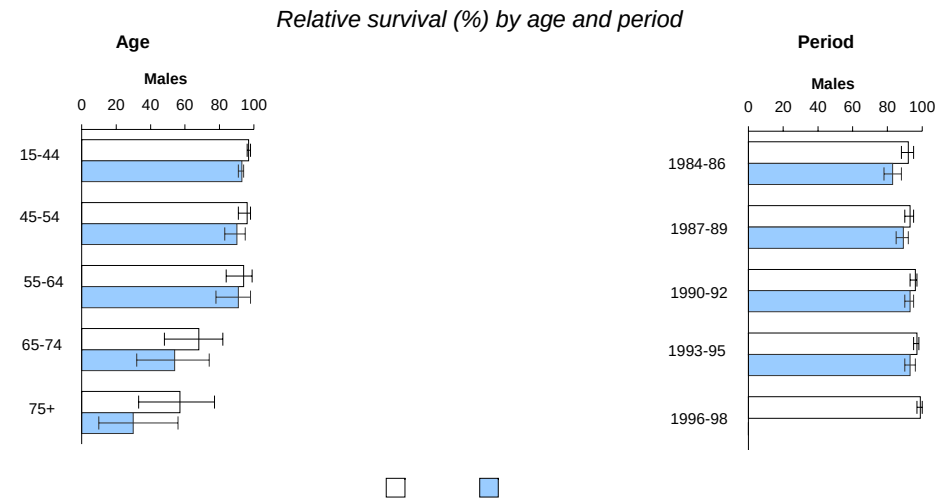


Source : Quebec Cancer Registry.

Testis (ICD-9 186)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(1 531)		(148)		(59)		(32)		(23)		(246)		(335)		(410)		(388)		(414)	
1 year	97	97	95	96	93	94	66	68	52	57	92	92	93	93	95	96	97	97	99	99
3 years	93	94	91	92	91	94	55	61	33	40	85	86	89	90	92	93	94	94	95	96
5 years	92	93	88	90	87	91	46	54	22	30	81	83	88	89	91	93	92	93	.	.
8 years	91	92	85	88	76	85	42	52	17	26	79	82	86	89	90	93	.	.	.	.
10 years	91	92	85	88	68	78	42	52	17	26	78	82	85	88	.	.	.	.	.	.

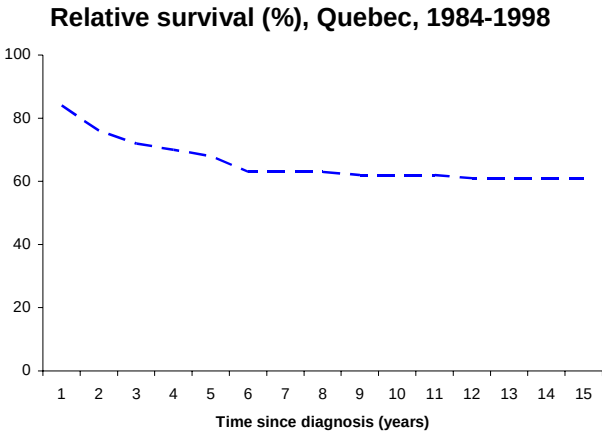


Source : Quebec Cancer Registry.

Penis (ICD-9 187)

Number of cases, Quebec, 1984-1998

Males 394

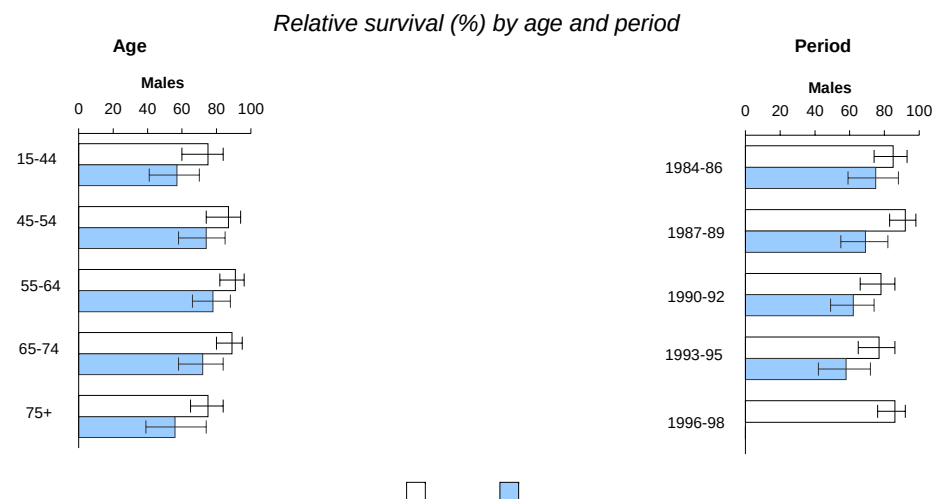


Source : Quebec Cancer Registry.

Penis (ICD-9 187)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(51)		(51)		(84)		(100)		(108)		(70)		(78)		(83)		(73)		(90)	
1 year	75	75	86	87	89	91	86	89	68	75	81	85	88	92	75	78	74	77	82	86
3 years	59	59	75	76	79	83	68	76	45	63	70	80	65	74	58	64	58	65	73	82
5 years	56	57	72	74	72	78	58	72	31	56	60	75	56	69	53	62	47	58	.	.
8 years	56	57	67	69	61	72	50	65	15	39	47	66	50	68	43	54	.	.	.	.
10 years	51	51	67	69	59	71	42	60	10	36	44	65	45	66	.	.	.	.	.	.

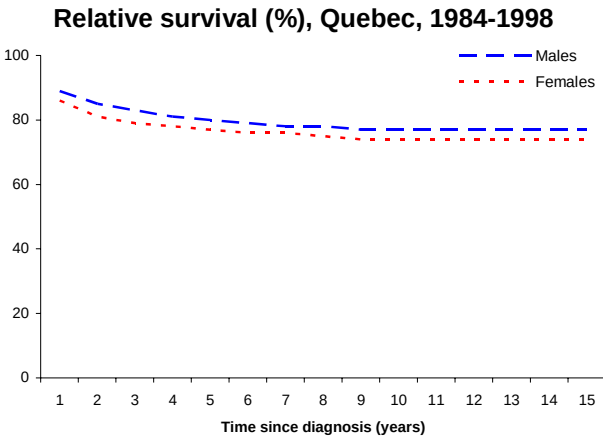


Source : Quebec Cancer Registry.

Bladder (ICD-9 188)

Number of cases, Quebec, 1984-1998

Males	13,464
Females	4,766
Overall	18,230



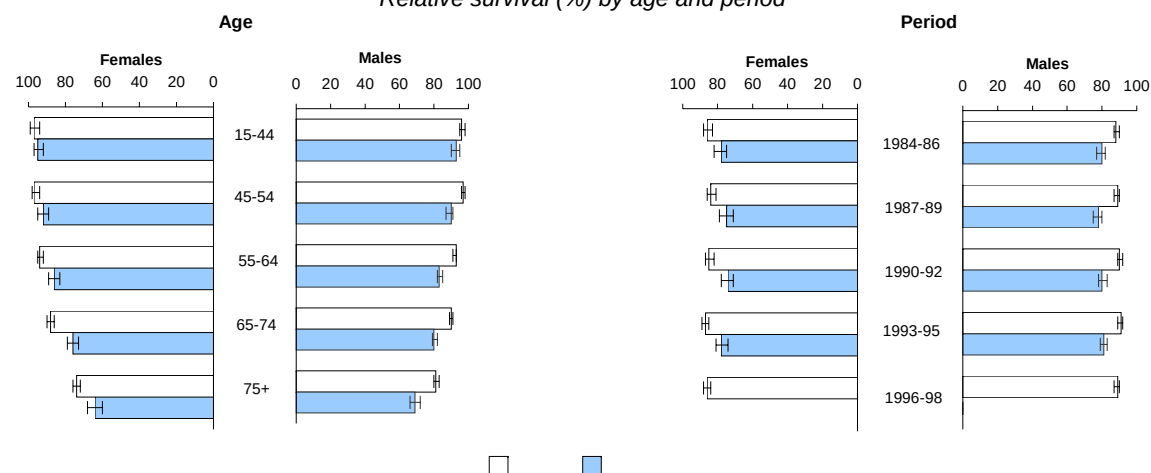
Source : Quebec Cancer Registry.

Bladder (ICD-9 188)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(648)		(1,326)		(3,124)		(4,572)		(3,794)		(2,307)		(2,429)		(2,724)		(3,006)		(2,998)	
1 year	96	96	96	97	91	93	87	90	73	81	84	88	85	89	87	90	87	91	85	89
3 years	94	94	90	92	82	86	74	84	52	72	71	82	71	81	72	82	74	85	73	83
5 years	92	93	87	90	76	83	65	80	39	69	63	80	62	78	65	80	65	81	.	.
8 years	90	92	82	87	69	81	52	77	26	68	53	78	53	77	55	78	.	.	.	.
10 years	90	92	80	86	64	80	45	76	19	68	47	77	48	76	.	.	.	.	.	.
Females	(277)		(453)		(901)		(1,379)		(1,756)		(874)		(860)		(939)		(1,069)		(1,024)	
1 year	97	97	96	97	93	94	86	88	69	74	83	86	81	84	82	85	85	87	83	86
3 years	95	95	92	93	86	88	76	81	53	66	73	80	71	77	70	77	74	81	72	80
5 years	95	95	91	92	82	86	68	76	43	64	67	78	64	75	63	74	67	78	.	.
8 years	92	93	88	90	76	82	60	74	33	64	60	78	56	73	55	72	.	.	.	.
10 years	90	91	86	90	71	78	53	71	27	64	56	78	50	70	.	.	.	.	.	.
Overall	(925)		(1,779)		(4,025)		(5,951)		(5,550)		(3,181)		(3,289)		(3,663)		(4,075)		(4,022)	
1 year	97	97	96	97	92	93	87	90	72	79	84	87	84	87	85	89	86	90	85	88
3 years	94	95	91	92	83	87	75	83	52	70	72	82	71	80	72	81	74	84	73	82
5 years	93	94	88	90	78	84	66	79	40	67	64	79	63	77	64	79	65	80	.	.
8 years	91	93	84	88	71	82	54	76	28	67	55	78	54	76	55	77	.	.	.	.
10 years	90	92	81	87	65	80	47	75	21	67	49	78	48	75	.	.	.	.	.	.

Relative survival (%) by age and period

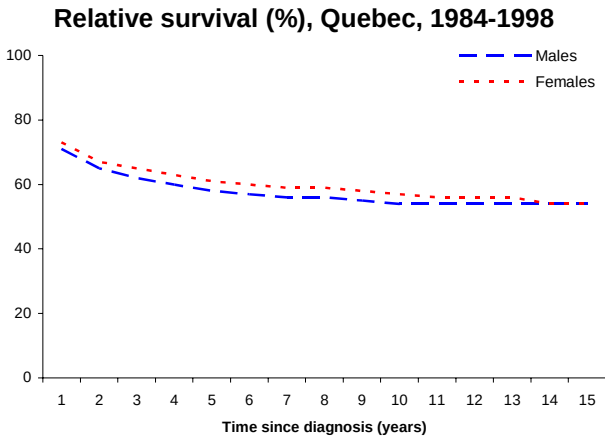


Source : Quebec Cancer Registry.

Kidney (ICD-9 189)

Number of cases, Quebec, 1984-1998

Males	6,071
Females	4,082
Overall	10,153

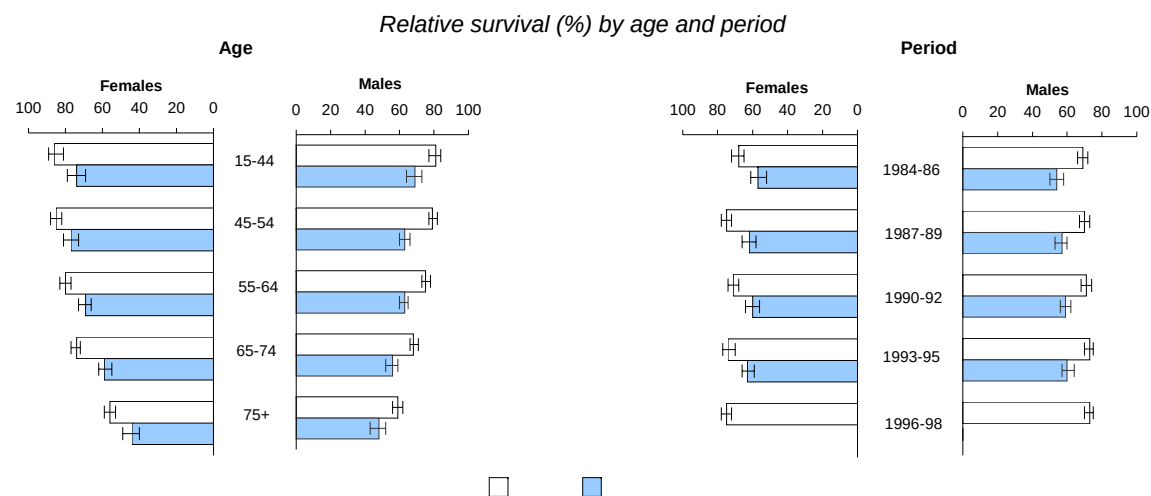


Source : Quebec Cancer Registry.

Kidney (ICD-9 189)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(476)		(946)		(1,653)		(1,773)		(1,223)		(978)		(1,147)		(1,263)		(1,304)		(1,379)	
1 year	80	81	79	79	74	75	66	68	53	59	66	69	68	70	69	71	70	73	70	73
3 years	71	71	68	69	63	66	52	59	37	50	52	58	56	61	56	62	57	63	58	64
5 years	68	69	61	63	57	63	45	56	28	48	45	54	48	57	50	59	51	60	.	.
8 years	66	67	56	60	51	60	35	52	20	47	38	52	42	55	43	56	.	.	.	.
10 years	64	66	52	56	47	58	30	50	14	47	35	52	38	53	.	.	.	.	.	.
Females	(311)		(541)		(931)		(1,098)		(1,201)		(677)		(815)		(827)		(878)		(885)	
1 year	86	86	85	85	79	80	73	74	52	56	67	68	73	75	70	71	72	74	73	75
3 years	77	77	77	78	72	73	60	64	40	49	56	60	63	67	59	64	60	65	63	67
5 years	74	74	76	77	66	69	53	59	31	44	50	57	56	62	53	60	55	63	.	.
8 years	72	73	73	75	62	67	46	56	23	43	45	54	51	61	47	57	.	.	.	.
10 years	71	72	68	71	57	64	40	52	18	42	40	52	46	59	.	.	.	.	.	.
Overall	(787)		(1,487)		(2,584)		(2,871)		(2,424)		(1,655)		(1,962)		(2,090)		(2,182)		(2,264)	
1 year	82	83	81	82	76	77	69	71	53	57	66	69	70	72	69	71	71	73	71	74
3 years	73	74	71	72	66	69	55	61	38	49	54	59	59	64	58	63	59	64	60	65
5 years	71	71	67	68	61	65	48	57	29	46	47	55	51	59	51	59	53	61	.	.
8 years	68	69	63	66	55	63	39	53	22	45	41	53	46	58	44	57	.	.	.	.
10 years	67	68	58	62	51	60	34	51	16	45	37	52	41	55	.	.	.	.	.	.

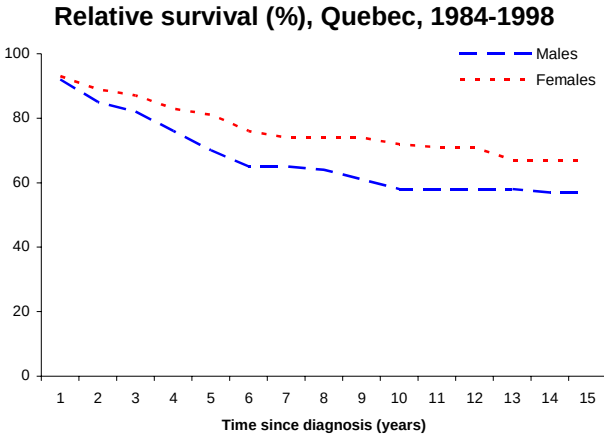


Source : Quebec Cancer Registry.

Eye (ICD-9 190)

Number of cases, Quebec, 1984-1998

Males	401
Females	329
Overall	730



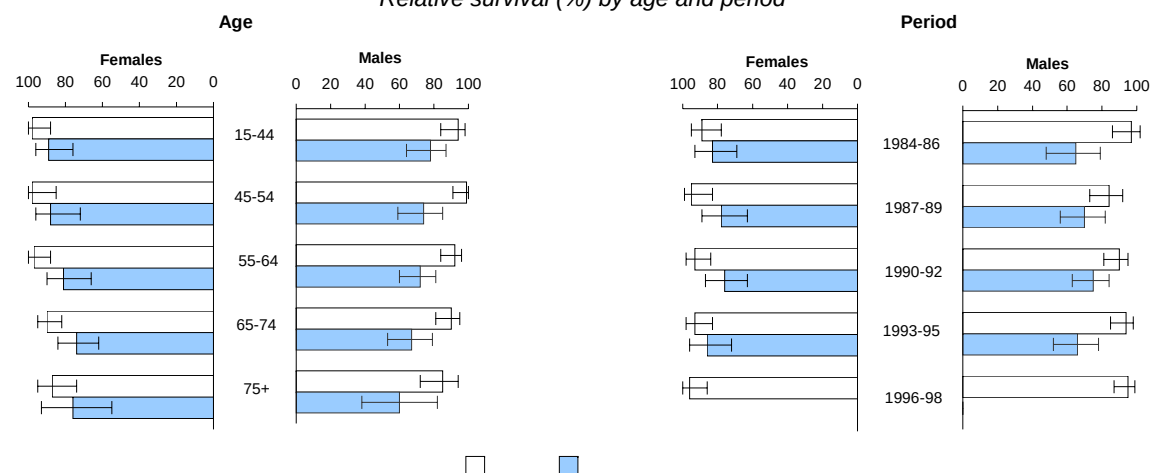
Source : Quebec Cancer Registry.

Eye (ICD-9 190)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(63)		(71)		(95)		(103)		(69)		(57)		(74)		(97)		(88)		(85)	
1 year	94	94	99	99	91	92	86	90	77	85	93	97	81	84	88	90	91	94	93	95
3 years	85	86	87	88	76	80	70	78	57	80	74	84	69	76	77	83	75	83	73	79
5 years	77	78	72	74	66	72	54	67	33	60	53	65	59	70	66	75	56	66	.	.
8 years	74	75	59	62	57	65	38	56	20	43	47	62	50	63	51	63	.	.	.	.
10 years	71	72	50	54	51	60	22	38	16	42	39	55	44	60	.	.	.	.	.	.
Females	(54)		(42)		(61)		(109)		(63)		(63)		(55)		(78)		(68)		(65)	
1 year	98	98	98	98	97	97	88	90	81	87	87	89	93	95	91	93	91	93	94	96
3 years	94	94	90	90	88	90	76	81	70	84	83	88	76	81	83	88	84	89	78	83
5 years	89	89	87	88	77	81	66	74	54	76	75	83	71	78	68	76	78	86	.	.
8 years	81	81	83	84	62	67	53	65	46	71	68	80	62	72	56	67	.	.	.	.
10 years	81	81	75	77	53	59	48	62	46	71	62	77	58	72	.	.	.	.	.	.
Overall	(117)		(113)		(156)		(212)		(132)		(120)		(129)		(175)		(156)		(150)	
1 year	96	96	98	99	93	94	87	90	79	86	90	93	86	89	89	91	91	93	93	95
3 years	89	89	88	89	81	84	73	80	63	83	78	86	72	78	80	86	79	85	75	81
5 years	83	83	78	80	70	75	60	71	43	70	64	75	64	74	67	76	65	75	.	.
8 years	77	78	69	72	59	66	45	61	32	67	58	72	55	69	53	66	.	.	.	.
10 years	75	76	62	65	52	60	37	55	30	67	51	68	50	67	.	.	.	.	.	.

Relative survival (%) by age and period



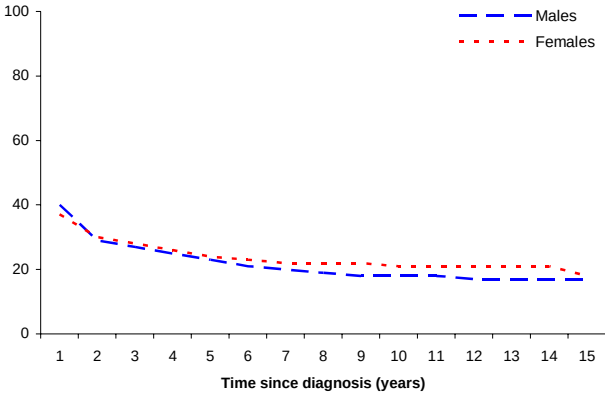
Source : Quebec Cancer Registry.

Brain (ICD-9 191)

Number of cases, Quebec, 1984-1998

Males	3,561
Females	2,820
Overall	6,381

Relative survival (%), Quebec, 1984-1998



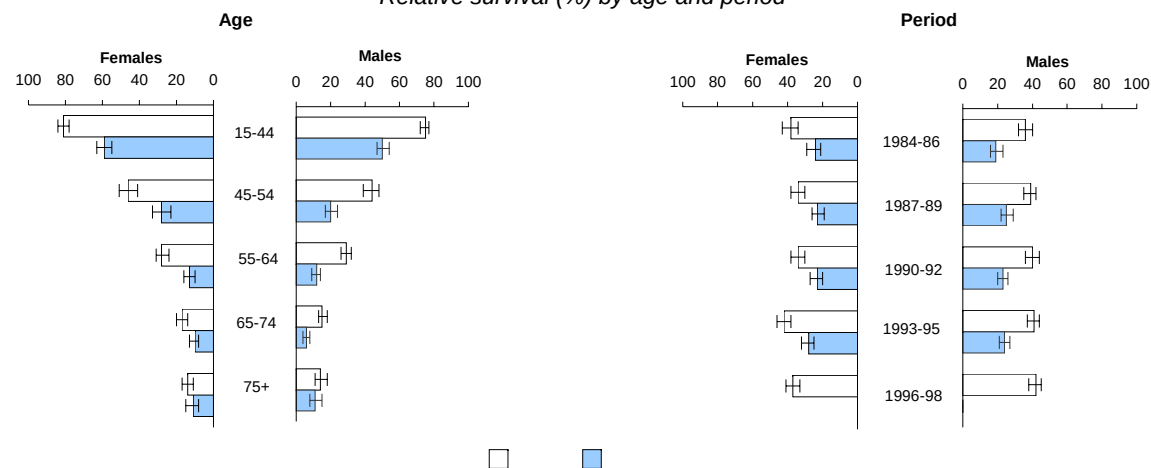
Source : Quebec Cancer Registry.

Brain (ICD-9 191)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(989)		(566)		(798)		(780)		(428)		(625)		(648)		(716)		(799)		(773)	
1 year	74	75	43	44	29	29	15	15	13	14	35	36	38	39	39	40	40	41	41	42
3 years	58	59	23	23	14	14	6	7	9	11	22	23	27	28	24	26	27	29	25	26
5 years	50	50	20	20	11	12	5	6	7	11	18	19	24	25	21	23	23	24	.	.
8 years	42	42	15	16	9	10	3	4	6	11	13	15	20	22	18	20	.	.	.	.
10 years	37	38	15	16	8	10	3	4	5	11	12	13	18	21	.	.	.	.	.	.
Females	(632)		(378)		(567)		(699)		(544)		(490)		(499)		(572)		(608)		(651)	
1 year	81	81	46	46	28	28	16	17	13	14	38	38	34	34	33	34	41	42	36	37
3 years	67	67	31	31	14	15	10	11	11	13	27	28	25	26	25	26	31	32	24	25
5 years	59	59	28	28	12	13	9	10	8	11	23	24	21	23	22	23	27	28	.	.
8 years	50	50	25	25	12	13	7	9	6	10	19	21	19	20	20	21	.	.	.	.
10 years	47	48	20	21	11	12	7	9	6	10	18	21	17	19	.	.	.	.	.	.
Overall	(1,621)		(944)		(1,365)		(1,479)		(972)		(1,115)		(1,147)		(1,288)		(1,407)		(1,424)	
1 year	77	77	44	45	28	29	16	16	13	14	36	37	36	37	37	37	40	41	39	40
3 years	62	62	26	27	14	14	8	9	10	12	24	25	26	27	25	26	29	30	24	25
5 years	53	54	23	23	12	12	7	8	8	12	20	22	23	24	22	23	24	26	.	.
8 years	45	45	19	20	10	11	5	7	6	12	16	17	19	21	19	20	.	.	.	.
10 years	41	41	17	18	9	11	5	7	6	12	14	17	18	20	.	.	.	.	.	.

Relative survival (%) by age and period

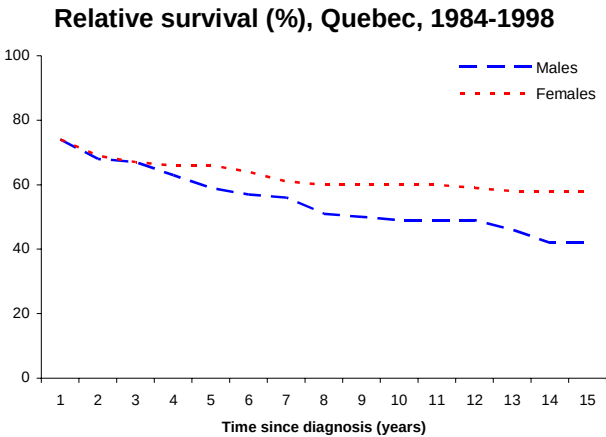


Source : Quebec Cancer Registry.

Other and unspecified parts of nervous system (ICD-9 192)

Number of cases, Quebec, 1984-1998

Males	214
Females	201
Overall	415

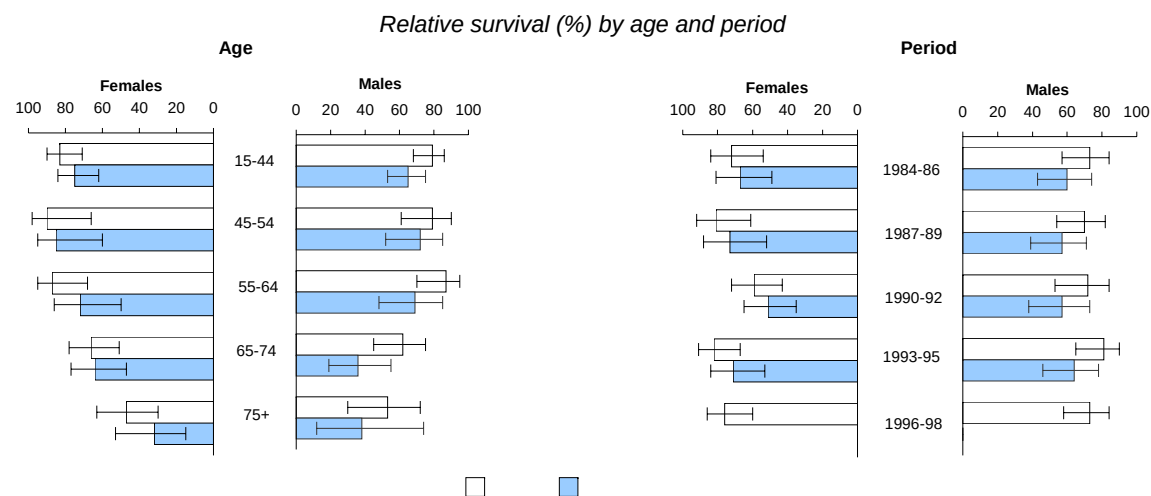


Source : Quebec Cancer Registry.

Other and unspecified parts of nervous system (ICD-9 192)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(79)		(33)		(35)		(42)		(25)		(45)		(42)		(34)		(44)		(49)	
1 year	78	79	79	79	86	87	60	62	48	53	71	73	69	70	71	72	80	81	71	73
3 years	71	71	75	76	73	76	45	51	39	52	64	68	64	67	59	62	68	71	59	62
5 years	64	65	71	72	65	69	29	36	23	38	56	60	52	57	53	57	60	64	.	.
8 years	58	58	51	52	48	55	25	33	12	22	42	47	45	50	45	50	.	.	.	.
10 years	58	58	51	52	42	49	17	26	.	.	40	45	40	46	.	.	.	.	.	.
Females	(64)		(20)		(29)		(49)		(39)		(35)		(29)		(45)		(46)		(46)	
1 year	83	83	90	90	86	87	65	66	44	47	71	72	79	81	58	59	80	82	74	76
3 years	75	75	85	85	74	76	63	65	29	35	66	67	69	73	49	51	74	77	63	67
5 years	75	75	85	85	70	72	60	64	24	32	66	67	69	73	49	51	66	71	.	.
8 years	72	72	85	85	65	68	38	45	14	23	63	65	59	65	38	40	.	.	.	.
10 years	72	72	85	85	65	68	34	42	14	23	63	65	55	63	.	.	.	.	.	.
Overall	(143)		(53)		(64)		(91)		(64)		(80)		(71)		(79)		(90)		(95)	
1 year	80	81	83	83	86	87	63	64	45	49	71	73	73	75	63	65	80	81	73	74
3 years	72	73	79	80	74	77	54	59	33	42	65	68	66	70	53	56	71	74	61	66
5 years	69	69	76	77	68	72	45	52	24	37	60	64	59	65	51	54	63	67	.	.
8 years	64	65	61	63	57	63	33	43	14	26	51	57	51	60	41	45	.	.	.	.
10 years	64	65	61	63	54	61	26	38	14	26	50	56	46	58	.	.	.	.	.	.

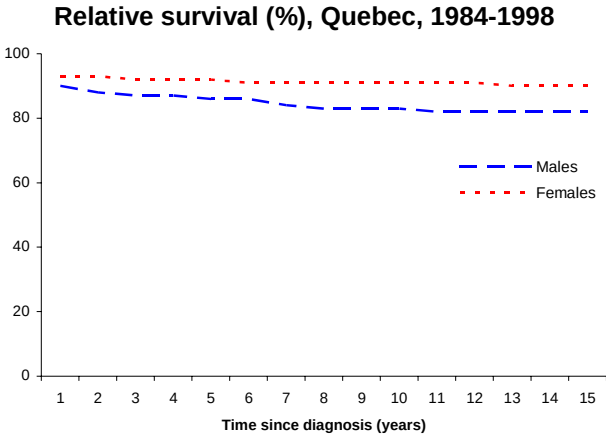


Source : Quebec Cancer Registry.

Thyroid gland (ICD-9 193)

Number of cases, Quebec, 1984-1998

Males	944
Females	2,759
Overall	3,703

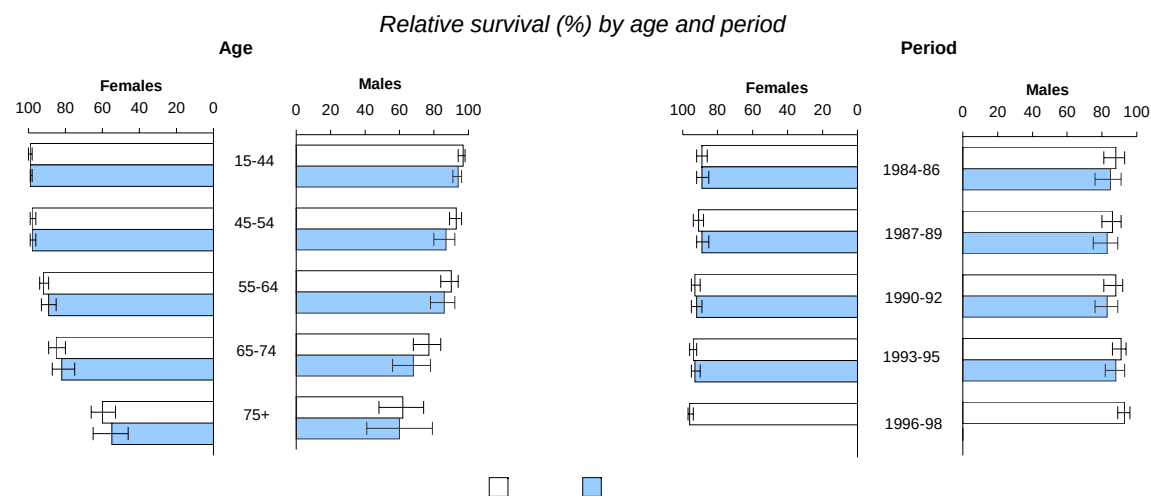


Source : Quebec Cancer Registry.

Thyroid gland (ICD-9 193)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(398)		(184)		(157)		(139)		(66)		(138)		(170)		(161)		(235)		(240)	
1 year	96	97	93	93	89	90	74	77	56	62	87	88	85	86	86	88	90	91	92	93
3 years	94	94	89	90	83	87	65	73	48	62	82	86	81	85	81	84	86	89	88	91
5 years	94	94	85	87	81	86	55	68	40	60	78	85	76	83	78	83	83	88	.	.
8 years	90	91	78	82	69	78	48	67	29	57	71	81	72	81	71	80	.	.	.	.
10 years	88	90	78	82	69	78	44	67	22	51	68	80	71	81	.	.	.	.	.	.
Females	(1,333)		(484)		(400)		(312)		(230)		(405)		(420)		(531)		(658)		(745)	
1 year	99	99	98	98	91	92	83	85	56	60	88	89	90	91	92	93	93	94	95	96
3 years	99	99	98	98	89	91	78	82	46	56	87	89	87	90	90	92	91	93	93	95
5 years	98	99	98	98	86	89	74	82	40	55	85	89	85	89	89	92	89	93	.	.
8 years	98	99	96	98	80	85	63	77	31	51	83	88	81	87	85	90	.	.	.	.
10 years	97	98	96	98	78	85	60	77	23	45	81	87	79	87	.	.	.	.	.	.
Overall	(1,731)		(668)		(557)		(451)		(296)		(543)		(590)		(692)		(893)		(985)	
1 year	98	99	97	97	90	91	80	82	56	60	88	89	88	90	91	92	92	93	94	95
3 years	98	98	95	96	87	90	74	80	47	57	86	88	85	88	88	90	90	92	92	94
5 years	97	98	94	96	84	88	68	78	40	57	84	88	83	87	87	90	88	92	.	.
8 years	96	97	91	94	77	84	59	75	30	56	80	86	78	86	82	88	.	.	.	.
10 years	95	96	91	94	75	84	55	75	23	50	78	85	77	86	.	.	.	.	.	.

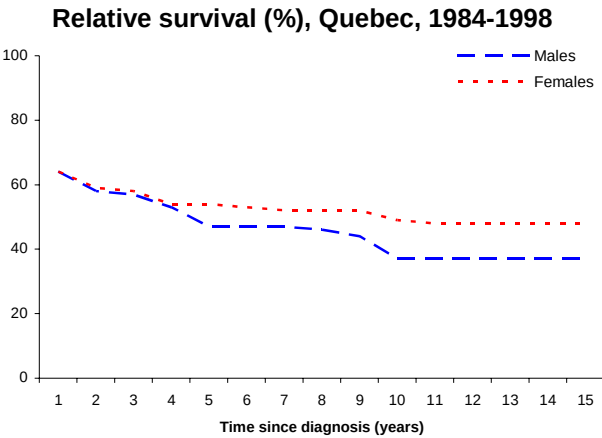


Source : Quebec Cancer Registry.

Other endocrine glands and related structures (ICD-9 194)

Number of cases, Quebec, 1984-1998

Males	202
Females	208
Overall	410

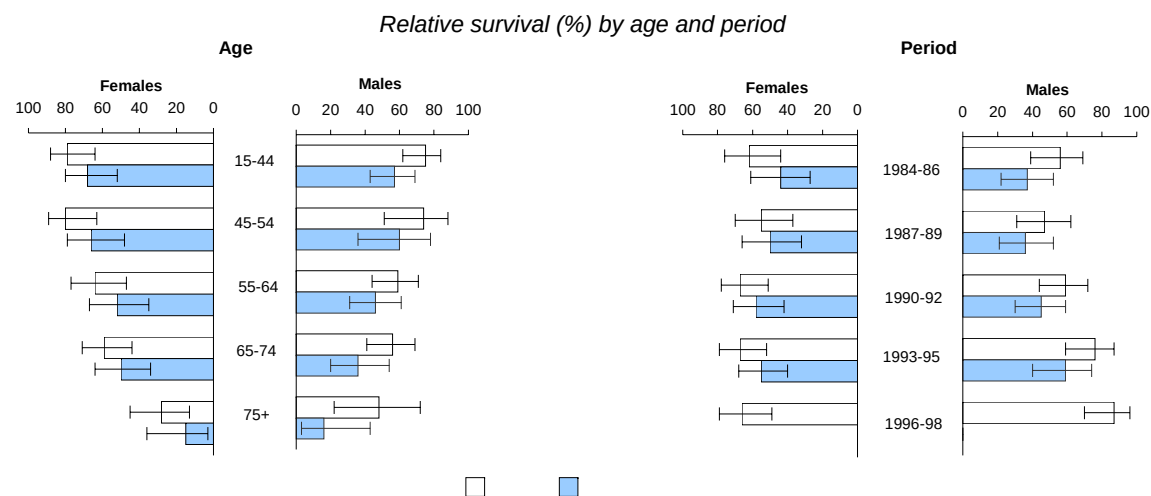


Source : Quebec Cancer Registry.

Other endocrine glands and related structures (ICD-9 194)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(63)		(23)		(52)		(48)		(16)		(42)		(39)		(48)		(39)		(34)	
1 year	75	75	74	74	58	59	54	56	44	48	55	56	46	47	58	59	74	76	85	87
3 years	66	66	64	66	49	52	47	53	25	30	43	45	38	40	52	55	69	72	65	69
5 years	57	57	58	60	42	46	29	36	13	16	33	37	33	36	42	45	55	59	.	.
8 years	54	54	58	60	38	43	18	26	13	16	31	35	31	34	37	41	.	.	.	.
10 years	54	54	49	51	29	33	9	14	.	.	26	31	21	24	.	.	.	.	.	.
Females	(47)		(39)		(41)		(50)		(31)		(36)		(35)		(47)		(50)		(40)	
1 year	79	79	79	80	63	64	58	59	26	28	61	62	54	55	66	67	66	67	65	66
3 years	77	77	65	66	53	54	52	54	23	26	53	55	51	53	60	61	54	56	62	64
5 years	68	68	65	66	50	52	47	50	12	15	42	44	49	50	55	58	52	55	.	.
8 years	68	68	65	66	47	49	39	43	12	15	39	42	49	50	51	54	.	.	.	.
10 years	68	68	65	66	47	49	11	13	12	15	39	42	40	42	.	.	.	.	.	.
Overall	(110)		(62)		(93)		(98)		(47)		(78)		(74)		(95)		(89)		(74)	
1 year	76	76	77	78	60	61	56	58	32	35	58	59	50	51	62	63	70	71	74	76
3 years	71	71	65	66	51	53	49	53	23	27	47	50	45	46	56	58	61	64	63	66
5 years	62	62	63	64	46	49	38	44	12	17	37	40	41	43	48	52	53	57	.	.
8 years	60	60	63	64	42	46	29	37	12	17	35	39	39	43	44	48	.	.	.	.
10 years	60	60	59	60	37	41	10	14	4	7	32	37	30	34	.	.	.	.	.	.

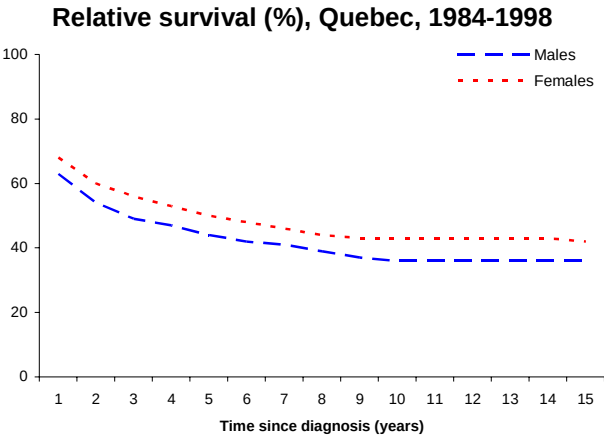


Source : Quebec Cancer Registry.

Lymphosarcoma and reticulosarcoma (ICD-9 200)

Number of cases, Quebec, 1984-1998

Males	2,563
Females	2,217
Overall	4,780

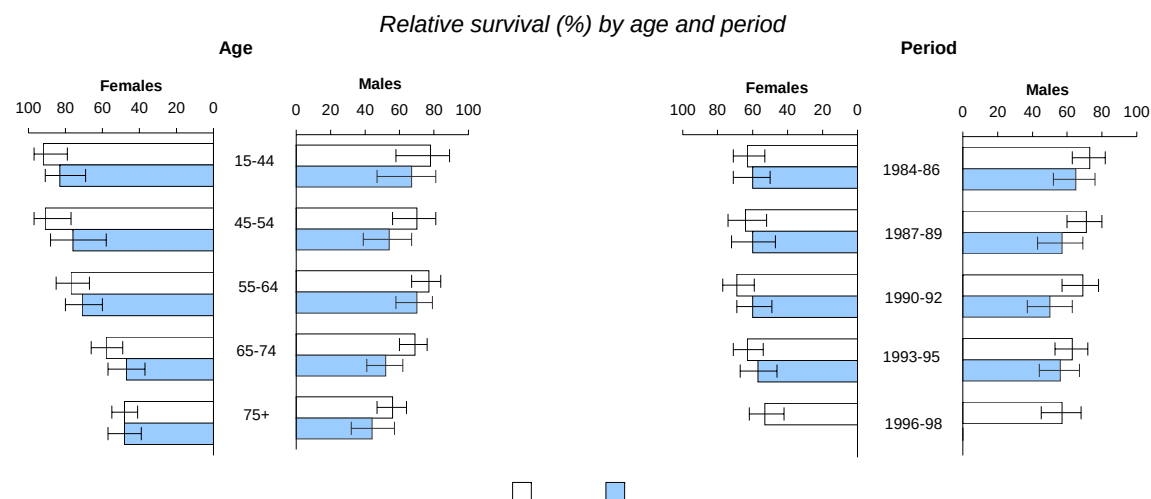


Source : Quebec Cancer Registry.

Lymphosarcoma and reticulosarcoma (ICD-9 200)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(505)		(386)		(571)		(654)		(447)		(440)		(450)		(428)		(606)		(639)	
1 year	66	66	68	68	70	71	58	60	45	50	61	63	58	60	62	64	62	64	63	65
3 years	54	55	54	55	52	54	40	45	28	38	44	48	44	48	46	50	45	49	49	53
5 years	51	51	46	48	43	47	32	39	20	34	36	42	37	43	37	42	39	45	.	.
8 years	49	50	39	41	34	40	23	34	10	28	30	39	30	37	30	37	.	.	.	.
10 years	47	48	35	37	29	36	18	31	8	28	27	38	25	33	.	.	.	.	.	.
Females	(273)		(252)		(438)		(614)		(640)		(442)		(347)		(361)		(490)		(577)	
1 year	81	81	79	79	74	75	64	65	51	55	64	66	65	67	63	64	69	70	68	70
3 years	69	69	67	67	62	64	48	51	36	44	48	52	52	55	50	54	54	58	54	58
5 years	62	63	62	63	56	58	41	45	27	38	42	48	41	47	43	49	48	54	.	.
8 years	58	59	54	56	45	49	32	39	18	35	35	43	35	43	33	41	.	.	.	.
10 years	58	59	50	52	40	45	27	36	16	35	31	41	31	41	.	.	.	.	.	.
Overall	(778)		(638)		(1,009)		(1,268)		(1,087)		(882)		(797)		(789)		(1,096)		(1,216)	
1 year	71	71	72	72	72	73	61	62	49	53	62	64	61	63	63	64	65	67	66	67
3 years	59	60	59	60	56	58	44	48	32	41	46	50	47	51	48	52	49	53	51	55
5 years	55	55	52	54	48	52	36	42	24	37	39	45	39	45	40	45	43	49	.	.
8 years	52	53	45	47	39	44	27	37	15	33	32	41	32	40	31	39	.	.	.	.
10 years	51	52	41	44	34	40	22	34	13	33	29	40	28	37	.	.	.	.	.	.

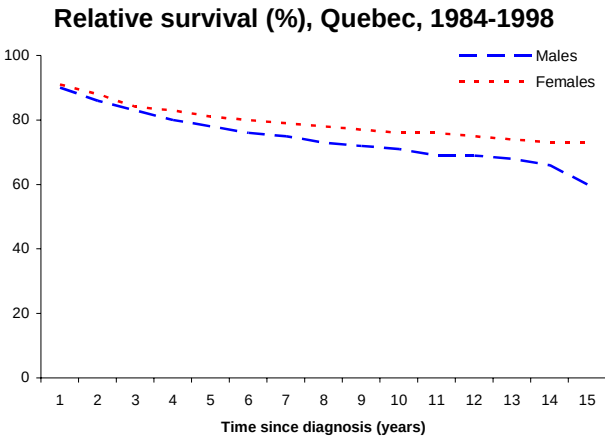


Source : Quebec Cancer Registry.

Hodgkin’s disease (ICD-9 201)

Number of cases, Quebec, 1984-1998

Males	1,687
Females	1,307
Overall	2,994



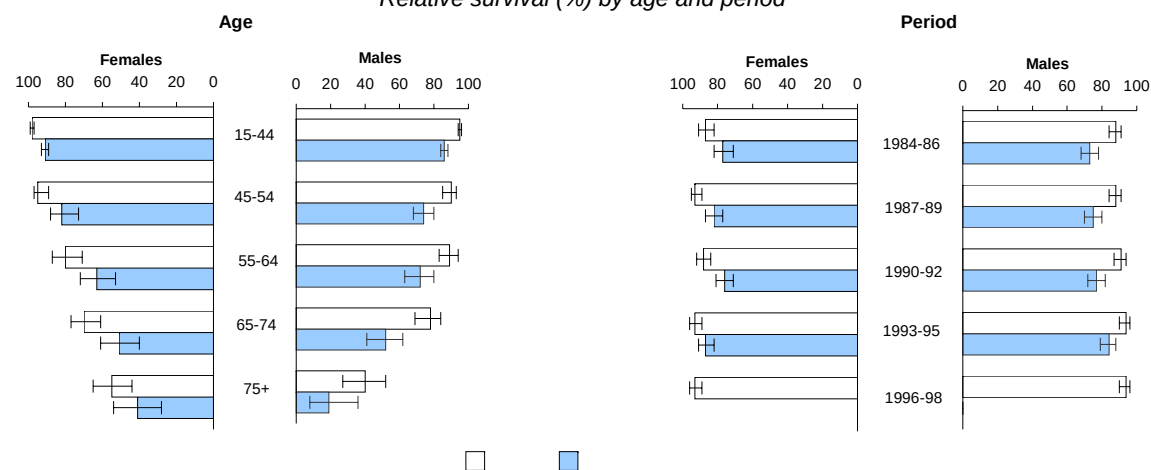
Source : Quebec Cancer Registry.

Hodgkin's disease (ICD-9 201)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(1,081)		(234)		(161)		(147)		(64)		(353)		(357)		(347)		(323)		(307)	
1 year	95	95	90	90	88	89	75	78	36	40	87	88	87	88	90	91	93	94	93	94
3 years	89	89	81	82	75	79	54	60	20	27	76	79	76	79	80	82	87	89	86	88
5 years	86	86	72	74	66	72	42	52	11	19	70	73	72	75	75	77	81	84	.	.
8 years	82	83	63	66	50	57	30	44	6	13	63	67	65	69	70	74	.	.	.	.
10 years	80	81	60	64	45	55	17	29	6	13	60	65	62	67	.	.	.	.	.	.
Females	(868)		(122)		(107)		(121)		(89)		(245)		(287)		(279)		(264)		(232)	
1 year	98	98	94	95	79	80	69	70	52	55	86	87	92	93	88	88	92	93	93	93
3 years	93	93	88	89	68	69	53	56	36	43	80	82	84	86	78	80	87	88	85	87
5 years	91	91	80	82	61	63	46	51	32	41	75	77	80	82	75	76	85	87	.	.
8 years	89	89	74	76	56	60	32	38	25	38	70	73	77	80	70	73	.	.	.	.
10 years	87	88	70	73	52	58	28	34	13	26	68	72	74	78	.	.	.	.	.	.
Overall	(1 949)		(356)		(268)		(268)		(153)		(598)		(644)		(626)		(587)		(539)	
1 year	96	96	91	92	85	86	72	74	45	49	86	87	89	90	89	90	93	93	93	93
3 years	91	91	83	84	72	75	53	58	30	37	78	80	80	82	79	81	87	88	86	87
5 years	88	88	75	77	64	68	44	51	23	32	72	75	76	78	75	77	83	86	.	.
8 years	85	86	67	70	52	59	31	41	17	30	66	70	70	74	70	74	.	.	.	.
10 years	83	84	63	67	48	56	21	32	10	25	63	68	67	72	.	.	.	.	.	.

Relative survival (%) by age and period

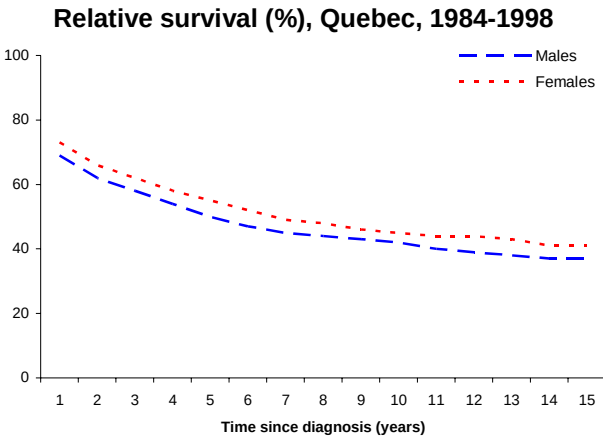


Source : Quebec Cancer Registry.

Other malignant neoplasms of lymphoid and histiocytic tissue (ICD-9 202)

Number of cases, Quebec, 1984-1998

Males	4,983
Females	4,499
Overall	9,482

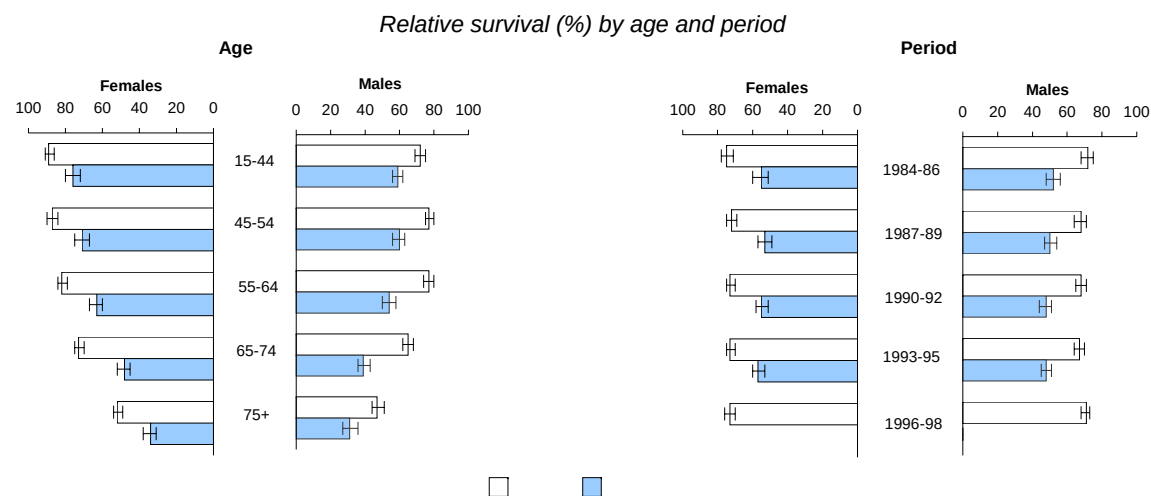


Source : Quebec Cancer Registry.

Other malignant neoplasms of lymphoid and histiocytic tissue (ICD-9 202)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(1,093)		(910)		(1,078)		(1,085)		(817)		(694)		(874)		(1,099)		(1,166)		(1,150)	
1 year	72	72	77	77	76	77	62	65	43	47	70	72	66	68	66	68	65	67	69	71
3 years	63	64	65	66	62	65	46	51	27	36	54	59	53	57	53	56	53	57	57	60
5 years	58	59	58	60	50	54	32	39	18	31	46	52	44	50	42	48	43	48	.	.
8 years	53	53	49	52	40	47	22	32	11	29	36	45	35	44	35	42	.	.	.	.
10 years	50	51	44	48	35	43	19	31	9	29	33	43	32	42	.	.	.	.	.	.
Females	(552)		(639)		(927)		(1,124)		(1,257)		(667)		(809)		(969)		(1,027)		(1,027)	
1 year	89	89	87	87	81	82	71	73	48	52	73	75	70	72	71	73	71	73	71	73
3 years	82	82	78	79	69	70	56	59	33	40	60	64	57	61	59	63	59	63	56	60
5 years	76	76	70	71	61	63	44	48	24	34	50	55	47	53	49	55	51	57	.	.
8 years	67	68	59	61	51	55	32	39	17	32	41	48	39	46	39	46	.	.	.	.
10 years	60	60	56	58	45	50	28	37	14	32	37	46	34	44	.	.	.	.	.	.
Overall	(1,645)		(1,549)		(2,005)		(2,209)		(2,074)		(1,361)		(1,683)		(2,068)		(2,193)		(2,177)	
1 year	78	78	81	81	78	79	67	69	46	50	71	73	68	70	68	70	68	70	70	72
3 years	69	70	70	71	65	68	51	55	31	39	57	61	55	59	55	59	56	59	57	60
5 years	64	65	63	64	55	58	38	44	22	33	48	54	46	52	45	51	47	52	.	.
8 years	57	58	53	55	45	51	27	36	15	31	39	47	37	45	37	44	.	.	.	.
10 years	53	54	49	52	40	47	24	34	12	31	35	44	33	43	.	.	.	.	.	.



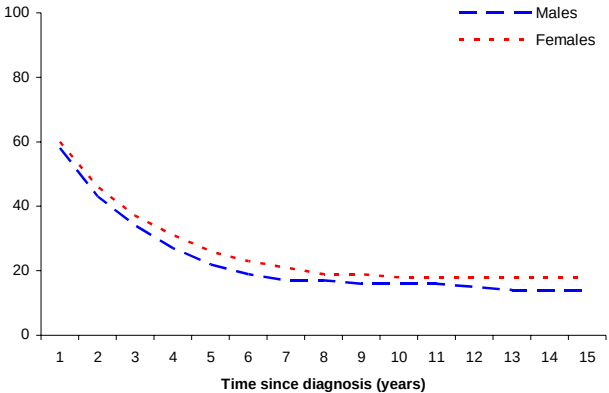
Source : Quebec Cancer Registry.

Multiple myeloma (ICD-9 203)

Number of cases, Quebec, 1984-1998

Males	2,290
Females	2,244
Overall	4,534

Relative survival (%), Quebec, 1984-1998

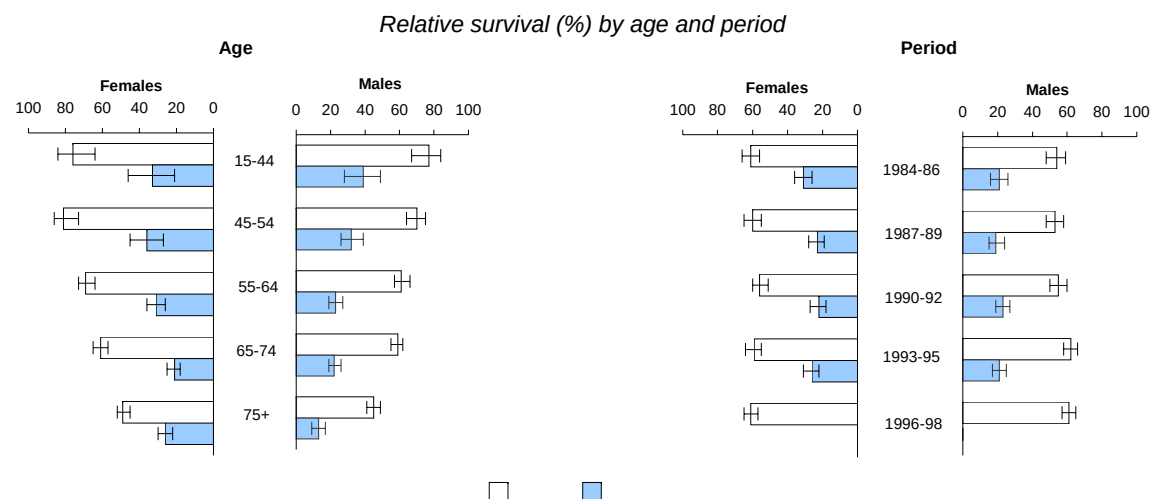


Source : Quebec Cancer Registry.

Multiple myeloma (ICD-9 203)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(99)		(250)		(506)		(753)		(682)		(368)		(411)		(441)		(517)		(553)	
1 year	77	77	70	70	60	61	56	59	41	45	51	54	50	53	53	55	59	62	58	61
3 years	55	55	45	46	34	36	31	35	16	22	29	33	26	30	30	33	29	33	35	40
5 years	38	39	31	32	21	23	18	22	7	13	17	21	15	19	19	23	17	21	.	.
8 years	32	33	21	22	13	15	11	16	5	13	10	14	9	14	14	18	.	.	.	.
10 years	29	30	16	17	11	14	9	15	5	13	9	13	8	14	.	.	.	.	.	.
Females	(66)		(149)		(432)		(678)		(919)		(379)		(408)		(442)		(477)		(538)	
1 year	76	76	81	81	68	69	60	61	45	49	59	61	58	60	54	56	57	59	59	61
3 years	52	53	53	53	45	46	32	34	24	30	37	41	34	37	30	32	32	35	36	40
5 years	33	33	35	36	29	31	19	21	17	26	26	31	20	23	19	22	22	26	.	.
8 years	26	27	26	26	19	20	12	14	11	23	18	25	12	16	12	17	.	.	.	.
10 years	20	20	22	23	15	17	9	12	10	23	15	23	9	14	.	.	.	.	.	.
Overall	(165)		(399)		(938)		(1,431)		(1,601)		(747)		(819)		(883)		(994)		(1,091)	
1 year	76	76	74	74	64	65	58	60	43	47	55	58	54	57	53	55	58	61	59	61
3 years	54	54	48	49	39	41	31	34	21	27	33	37	30	34	30	33	30	34	36	40
5 years	36	36	33	33	25	26	19	22	13	21	22	26	17	21	19	23	19	23	.	.
8 years	30	31	22	23	16	18	11	15	9	20	14	20	11	15	13	17	.	.	.	.
10 years	26	27	18	19	13	15	9	13	8	20	12	18	8	14	.	.	.	.	.	.

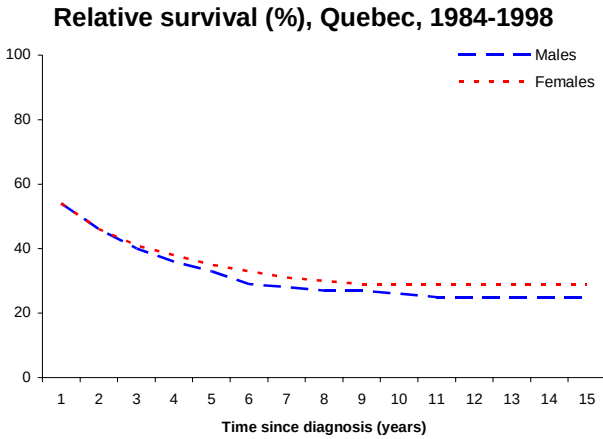


Source : Quebec Cancer Registry.

Leukemia (ICD-9 204-208)

Number of cases, Quebec, 1984-1998

Males	5,289
Females	4,133
Overall	9,422

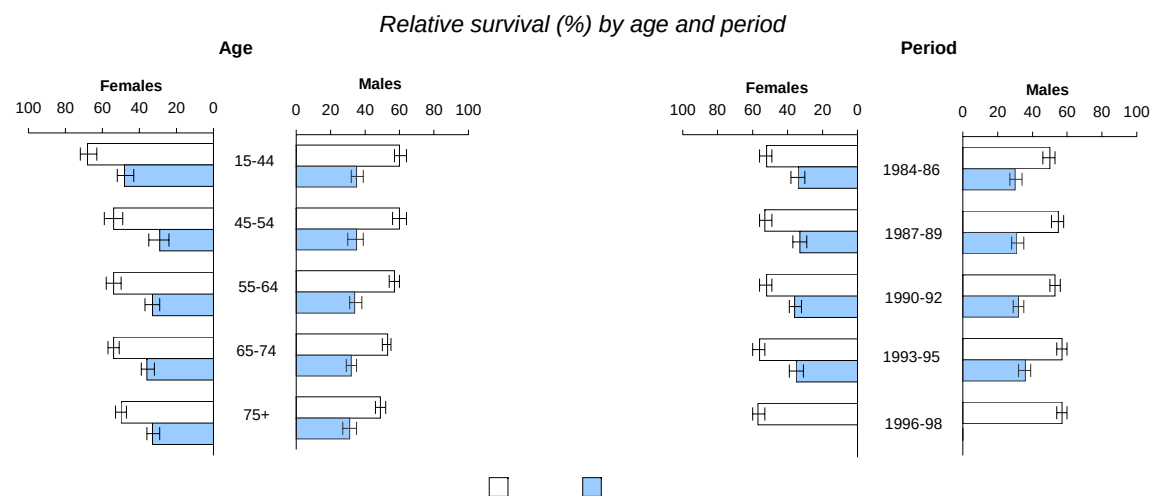


Source : Quebec Cancer Registry.

Leukemia (ICD-9 204-208)

*Observed and relative survival (%) by age and period
(number of cases in parentheses)*

	Age class (1984-1998)										Period									
	15-44		45-54		55-64		65-74		75+		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(698)		(512)		(1,009)		(1,538)		(1,532)		(998)		(1,013)		(1,085)		(1,086)		(1,107)	
1 year	60	60	60	60	56	57	51	53	44	49	47	50	52	55	51	53	55	57	55	57
3 years	41	41	41	42	39	41	36	40	27	37	32	37	34	39	34	39	37	42	38	43
5 years	35	35	33	35	31	34	26	32	17	31	24	30	25	31	26	32	29	36	.	.
8 years	32	33	24	25	23	27	16	24	10	28	18	26	18	26	18	25	.	.	.	.
10 years	30	31	23	24	20	25	13	22	8	28	16	26	15	24	.	.	.	.	.	.
Females	(503)		(338)		(598)		(1,061)		(1,633)		(769)		(802)		(865)		(865)		(832)	
1 year	68	68	54	54	54	54	53	54	46	50	51	52	51	53	51	52	54	56	54	57
3 years	52	52	35	35	39	40	40	42	30	37	35	39	34	38	36	40	38	43	41	45
5 years	48	48	29	29	32	33	32	36	21	33	29	34	27	33	30	36	29	35	.	.
8 years	45	46	25	25	26	28	23	28	13	27	23	30	20	27	22	30	.	.	.	.
10 years	44	44	22	23	23	25	20	27	10	27	20	29	17	26	.	.	.	.	.	.
Overall	(1,201)		(850)		(1,607)		(2,599)		(3,165)		(1,767)		(1,815)		(1,950)		(1,951)		(1,939)	
1 year	63	63	58	58	55	56	51	53	45	50	49	51	52	54	51	53	55	57	55	57
3 years	45	46	38	39	39	41	38	41	28	37	33	38	34	39	35	39	37	42	40	44
5 years	40	41	32	32	31	34	28	33	19	32	26	32	26	32	27	34	29	35	.	.
8 years	38	38	24	25	24	28	19	26	12	28	20	28	19	26	20	27	.	.	.	.
10 years	36	36	23	24	21	25	16	24	9	28	17	27	16	25	.	.	.	.	.	.



Source : Quebec Cancer Registry.

4. CHILDHOOD CANCERS RESULTS

Results by site

Nasopharynx (children) (ICD-9 147)

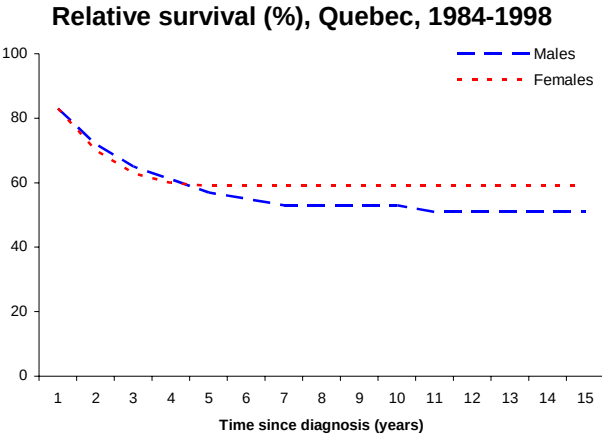
	Age class (1984-1998)	
	0-19	
	obs	rel
Males	(6)	
1 year	83	83
3 years	67	67
5 years	50	50
8 years	50	50
10 years	50	50
Females	(7)	
1 year	86	86
3 years	86	86
5 years	86	86
8 years	86	86
10 years	64	64
Overall	(13)	
1 year	85	85
3 years	77	77
5 years	69	69
8 years	69	69
10 years	58	58

Source : Quebec Cancer Registry.

Bone (children) (ICD-9 170)

Number of cases, Quebec, 1984-1998

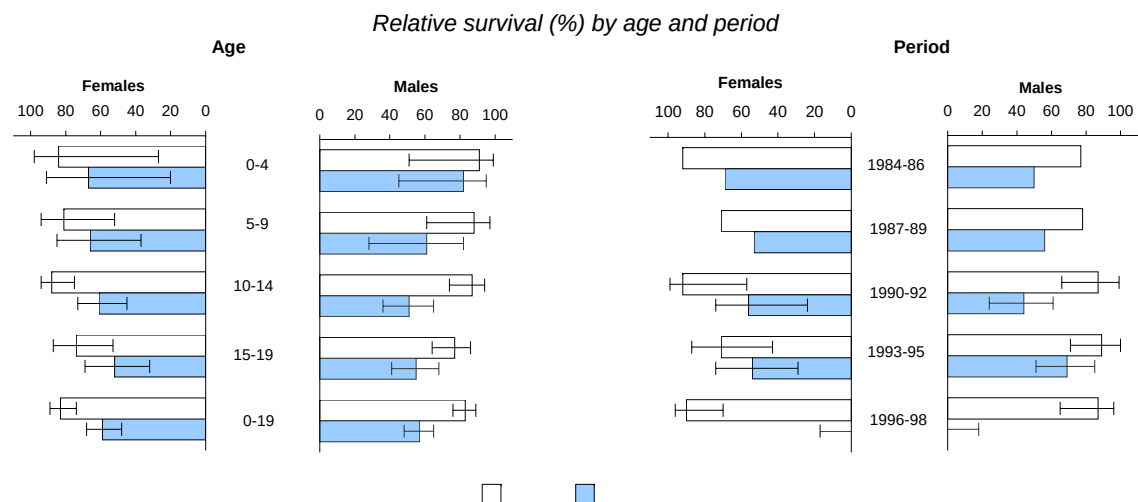
Males	138
Females	99
Overall	237



Source : Quebec Cancer Registry.

Bone (children) (ICD-9 170)

	Age class (1984-1998)												Period									
	0-4		5-9		10-14		15-19		0-14		0-19		1984-86	1987-89	1990-92	1993-95	1996-98					
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel				
Males	(11)		(17)		(53)		(57)		(81)		(138)		(26)		(32)		(23)		(26)		(31)	
1 year	91	91	88	88	87	87	77	77	88	88	83	83	77	77	78	78	87	87	88	89	87	87
3 years	82	82	81	81	64	64	58	58	70	70	65	65	54	54	63	63	61	61	73	73	78	78
5 years	82	82	61	61	51	51	55	55	58	58	57	57	50	50	56	56	43	44	69	69	.	.
8 years	82	82	51	51	51	51	48	49	56	57	53	53	46	46	53	53	39	39	.	.	.	.
10 years	82	82	51	51	51	51	48	49	56	57	53	53	46	46	53	53	.	.	.	.	.	.
Females	(6)		(16)		(50)		(27)		(72)		(99)		(13)		(17)		(25)		(24)		(20)	
1 year	83	84	81	81	88	88	74	74	86	86	83	83	92	92	71	71	92	92	71	71	90	90
3 years	67	67	66	66	68	68	52	52	67	67	63	63	77	77	59	59	60	60	54	54	76	76
5 years	67	67	66	66	61	61	52	52	61	62	59	59	69	69	53	53	56	56	54	54	.	.
8 years	.	.	66	66	61	61	52	52	61	62	59	59	69	69	53	53	56	56	.	.	.	.
10 years	.	.	66	66	61	61	52	52	61	62	59	59	69	69	53	53	.	.	.	.	.	.
Overall	(17)		(33)		(103)		(84)		(153)		(237)		(39)		(49)		(48)		(50)		(51)	
1 year	88	88	85	85	87	87	76	76	87	87	83	83	82	82	76	76	90	90	80	80	88	88
3 years	76	77	74	74	66	66	56	56	69	69	64	64	62	62	61	61	60	60	64	64	78	78
5 years	76	77	63	63	56	56	54	54	60	60	58	58	56	57	55	55	50	50	62	62	.	.
8 years	76	77	57	57	56	56	50	51	59	59	56	56	54	54	53	53	48	48	.	.	.	.
10 years	76	77	57	57	56	56	50	51	59	59	56	56	54	54	53	53	.	.	.	.	.	.

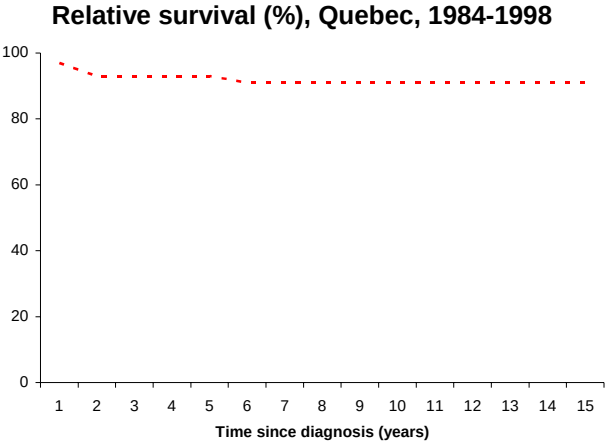


Source : Quebec Cancer Registry.

Ovary (children) (ICD-9 183)

Number of cases, Quebec, 1984-1998

Females 94

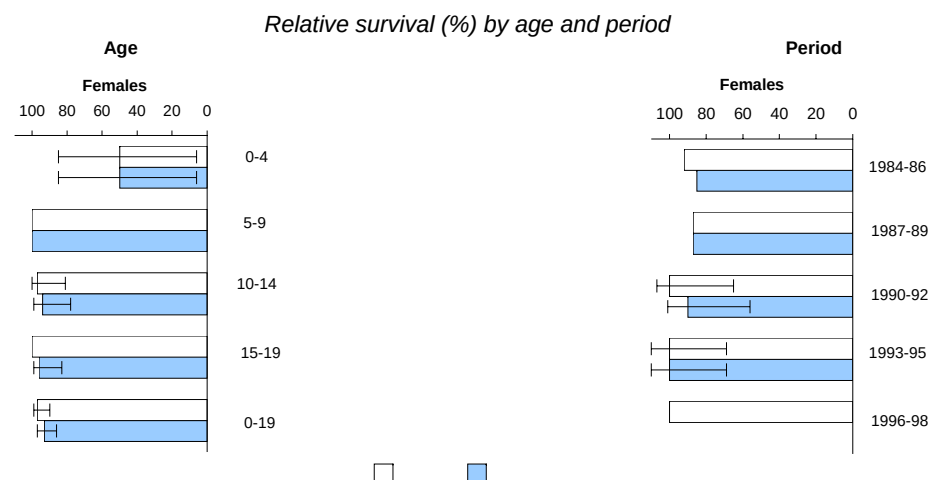


Source : Quebec Cancer Registry.

Ovary (children) (ICD-9 183)

	Age class (1984-1998)									
	0-4		5-9		10-14		15-19		0-14	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Females	(4)		(5)		(35)		(50)		(44)	
1 year	50	50	100	100	97	97	100	100	93	93
3 years	50	50	100	100	94	94	96	96	91	91
5 years	50	50	100	100	94	94	96	96	91	91
8 years	50	50	100	100	94	94	92	92	91	91
10 years	.	.	100	100	94	94	92	92	91	91

	Period									
	1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Females	(13)		(15)		(20)		(18)		(28)	
1984-86	92	92	87	87	100	100	100	100	100	100
1987-89	85	85	87	87	90	90	100	100	100	100
1990-92	85	85	87	87	90	90	100	100	.	.
1993-95	85	85	80	80	90	90	.	.	.	.
1996-98	85	85	80	80	.	.	.	.	.	.

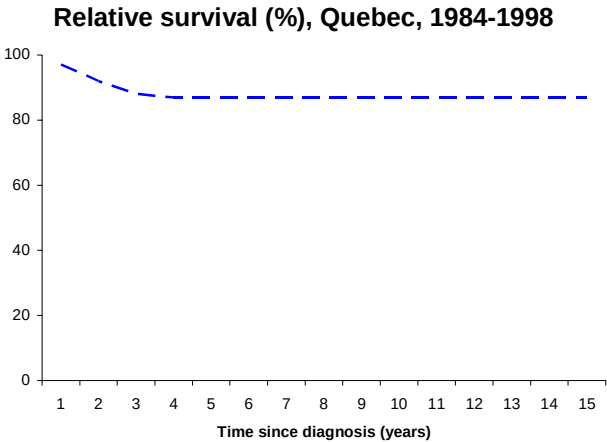


Source : Quebec Cancer Registry.

Testis (children) (ICD-9 186)

Number of cases, Quebec, 1984-1998

Males 122

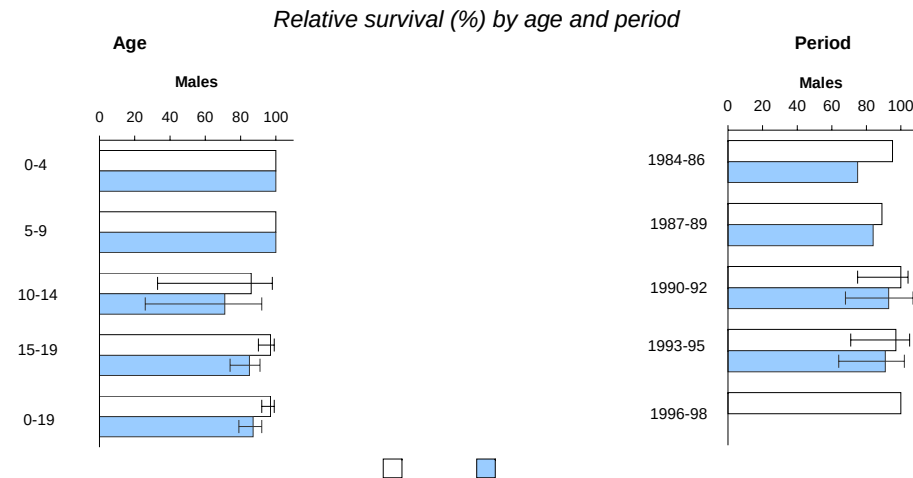


Source : Quebec Cancer Registry.

Testis (children) (ICD-9 186)

Age class (1984-1998)												
0-4		5-9		10-14		15-19		0-14		0-19		
obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	
(22)		(2)		(7)		(91)		(31)		(122)		
Males												
1 year	100	100	100	100	86	86	97	97	97	97	97	
3 years	100	100	100	100	71	71	86	86	93	94	88	
5 years	100	100	100	100	71	71	84	85	93	94	87	
8 years	100	100	100	100	71	71	84	85	93	94	87	
10 years	100	100	100	100	71	71	84	85	93	94	87	

	Period									
	1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
	(20)		(18)		(15)		(31)		(38)	
Males	95	95	89	89	100	100	97	97	100	100
1984-86	80	80	83	84	93	93	90	91	92	92
1987-89	75	75	83	84	93	93	90	91	.	.
1990-92	75	75	83	84	93	93	.	.	.	.
1993-95	75	75	83	84	.	.	.	.	.	.
1996-98	75	75	83	84	.	.	.	.	.	.



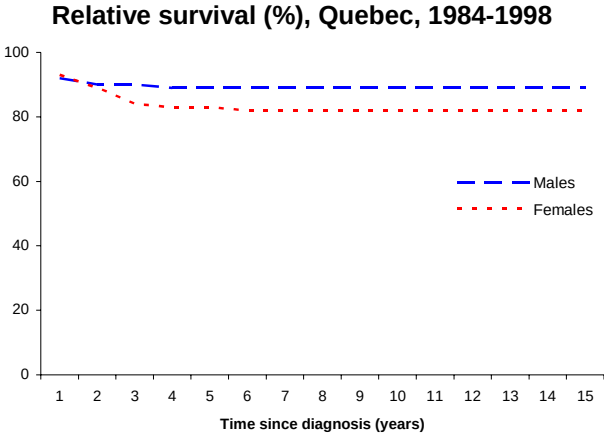
Source : Quebec Cancer Registry.

Kidney (children) (ICD-9 189)

Number of cases, Quebec, 1984-1998

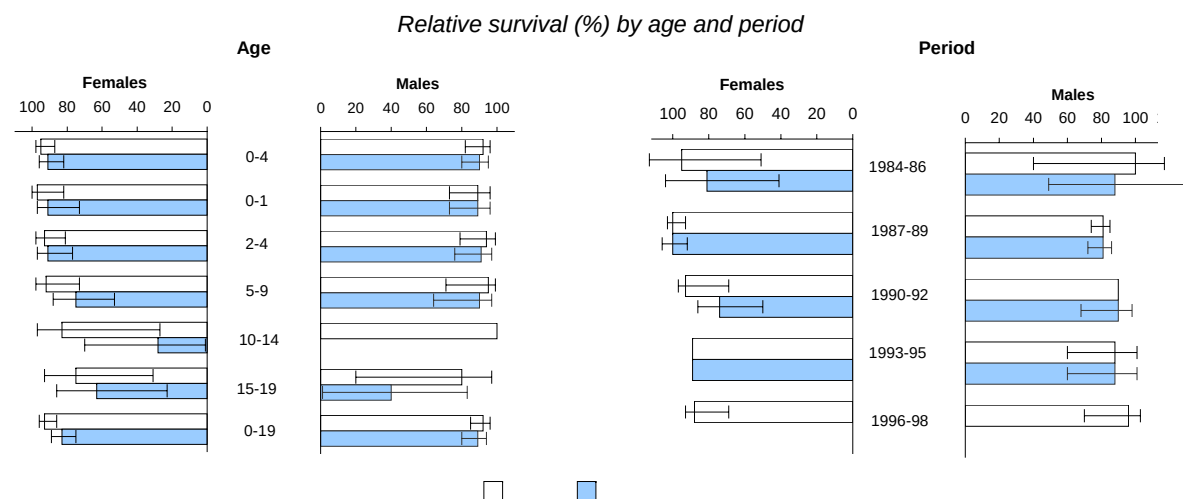
Males	100
Females	120
Overall	220

Source : Quebec Cancer Registry.



Kidney (children) (ICD-9 189)

	Age class (1984-1998)														Period											
	0-4		0-1		2-4		5-9		10-14		15-19		0-14		0-19		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(71)		(36)		(35)		(21)		(3)		(5)		(95)		(100)		(24)		(16)		(19)		(16)		(25)	
1 year	92	92	89	89	94	94	95	95	100	100	80	80	93	93	92	92	100	100	81	81	89	90	88	88	96	96
3 years	90	90	89	89	91	91	95	95	100	100	40	40	91	92	90	90	92	92	81	81	89	90	88	88	96	96
5 years	90	90	89	89	91	91	90	90	.	.	40	40	90	90	88	89	88	88	81	81	89	90	88	88	.	.
8 years	90	90	89	89	91	91	90	90	.	.	40	40	90	90	88	89	88	88	81	81	89	90	.	.	.	.
10 years	90	90	89	89	91	91	90	90	.	.	40	40	90	90	88	89	88	88	81	81	.	.	.	.	.	.
Females	(80)		(35)		(45)		(26)		(6)		(8)		(112)		(120)		(21)		(21)		(27)		(27)		(24)	
1 year	95	95	97	97	93	93	92	92	83	83	75	75	94	94	93	93	95	95	100	100	93	93	89	89	88	88
3 years	92	92	94	94	91	91	75	75	28	28	63	63	86	86	84	84	81	81	100	100	78	78	89	89	59	59
5 years	91	91	90	91	91	91	75	75	28	28	63	63	84	85	83	83	81	81	100	100	74	74	89	89	.	.
8 years	89	89	90	91	88	88	75	75	28	28	63	63	83	83	82	82	81	81	100	100	74	74	.	.	.	.
10 years	89	89	90	91	88	88	75	75	28	28	63	63	83	83	82	82	81	81	100	100	.	.	.	.	.	.
Overall	(151)		(71)		(80)		(47)		(9)		(13)		(207)		(220)		(45)		(37)		(46)		(43)		(49)	
1 year	93	94	93	93	94	94	94	94	89	89	77	77	93	93	92	92	98	98	92	92	91	91	88	88	92	92
3 years	91	91	91	92	91	91	84	84	44	44	58	58	88	88	86	87	87	87	92	92	83	83	88	88	77	77
5 years	90	91	89	90	91	91	82	82	44	44	58	58	87	87	85	85	84	85	92	92	80	81	88	88	.	.
8 years	89	89	89	90	89	89	82	82	44	44	58	58	86	86	85	85	84	85	92	92	80	81	.	.	.	.
10 years	89	89	89	90	89	89	82	82	44	44	58	58	86	86	85	85	84	85	92	92	.	.	.	.	.	.

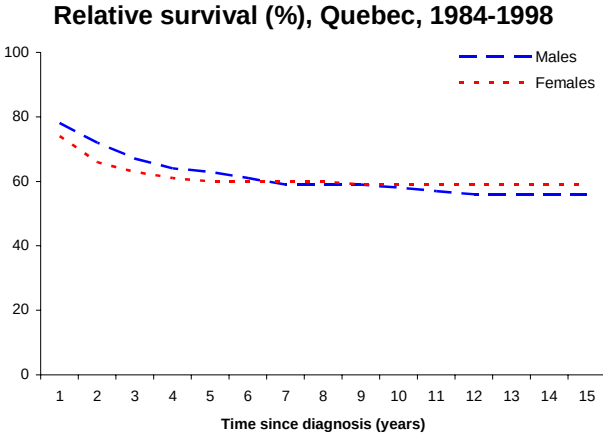


Source : Quebec Cancer Registry.

Brain (children) (ICD-9 191)

Number of cases, Quebec, 1984-1998

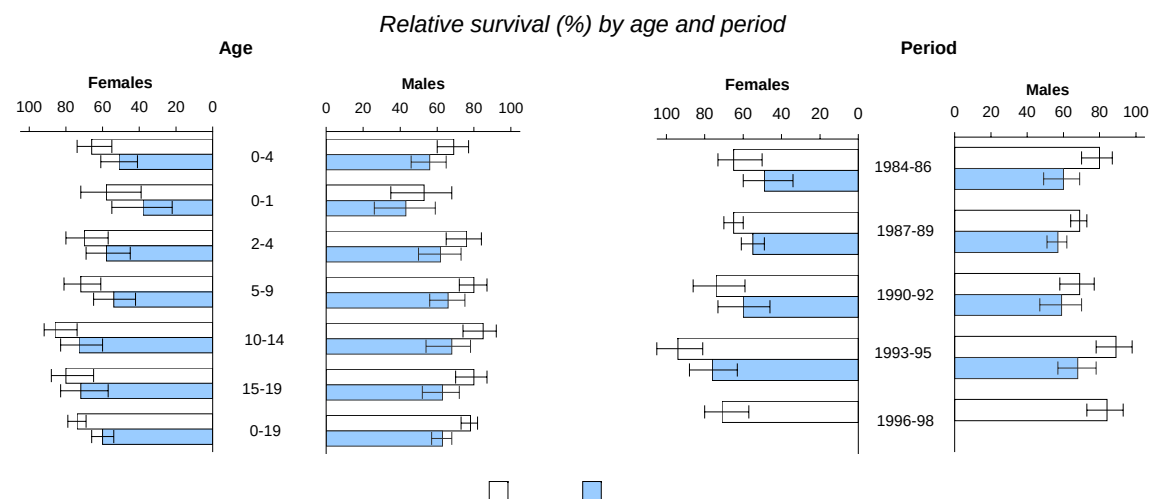
Males	383
Females	287
Overall	670



Source : Quebec Cancer Registry.

Brain (children) (ICD-9 191)

	Age class (1984-1998)														Period											
	0-4		0-1		2-4		5-9		10-14		15-19		0-14		0-19		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(110)		(34)		(76)		(112)		(67)		(94)		(289)		(383)		(70)		(84)		(81)		(75)		(73)	
1 year	69	69	53	53	76	76	80	80	85	85	80	80	77	77	78	78	80	80	69	69	69	69	89	89	84	84
3 years	59	59	43	43	66	66	69	69	71	71	71	71	65	66	67	67	66	66	60	60	63	63	73	73	79	79
5 years	56	56	43	43	62	62	66	66	67	68	63	63	63	63	63	63	60	60	57	57	59	59	68	68	.	.
8 years	52	53	43	43	57	57	64	65	60	61	58	59	59	59	59	59	57	57	52	53	54	54	.	.	.	.
10 years	52	53	43	43	57	57	64	65	57	57	58	59	58	58	58	58	56	56	52	53	.	.	.	.	.	.
Females	(96)		(33)		(63)		(79)		(63)		(49)		(238)		(287)		(49)		(60)		(57)		(62)		(59)	
1 year	66	66	58	58	70	70	72	72	86	86	80	80	73	73	74	74	65	65	65	65	74	74	94	94	71	71
3 years	53	53	42	42	58	58	59	59	76	76	75	75	61	61	63	63	53	53	57	57	61	61	81	81	61	61
5 years	51	51	38	38	58	58	54	54	73	73	72	72	58	58	60	60	49	49	55	55	60	60	76	76	.	.
8 years	51	51	38	38	58	58	54	54	73	73	72	72	58	58	60	60	49	49	55	55	60	60	.	.	.	.
10 years	51	51	38	38	58	58	51	51	68	68	72	72	56	56	59	59	47	47	53	53	.	.	.	.	.	.
Overall	(206)		(67)		(139)		(191)		(130)		(143)		(527)		(670)		(119)		(144)		(138)		(137)		(132)	
1 year	67	68	55	55	73	73	77	77	85	85	80	80	75	75	76	76	74	74	67	67	71	71	91	91	78	78
3 years	56	56	42	42	62	62	65	65	73	74	72	72	63	63	65	65	61	61	58	58	62	62	77	77	70	70
5 years	54	54	40	41	60	61	61	61	70	71	66	66	61	61	62	62	55	56	56	56	59	60	71	72	.	.
8 years	52	52	40	41	58	58	60	60	66	67	62	63	59	59	59	60	54	54	53	54	57	57	.	.	.	.
10 years	52	52	40	41	58	58	59	59	62	62	62	63	57	57	58	58	52	52	53	53	.	.	.	.	.	.

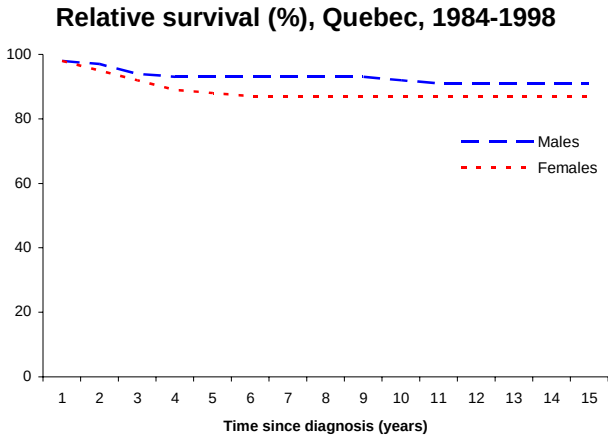


Source : Quebec Cancer Registry.

Hodgkin's disease (children) (ICD-9 201)

Number of cases, Quebec, 1984-1998

Males	241
Females	222
Overall	463

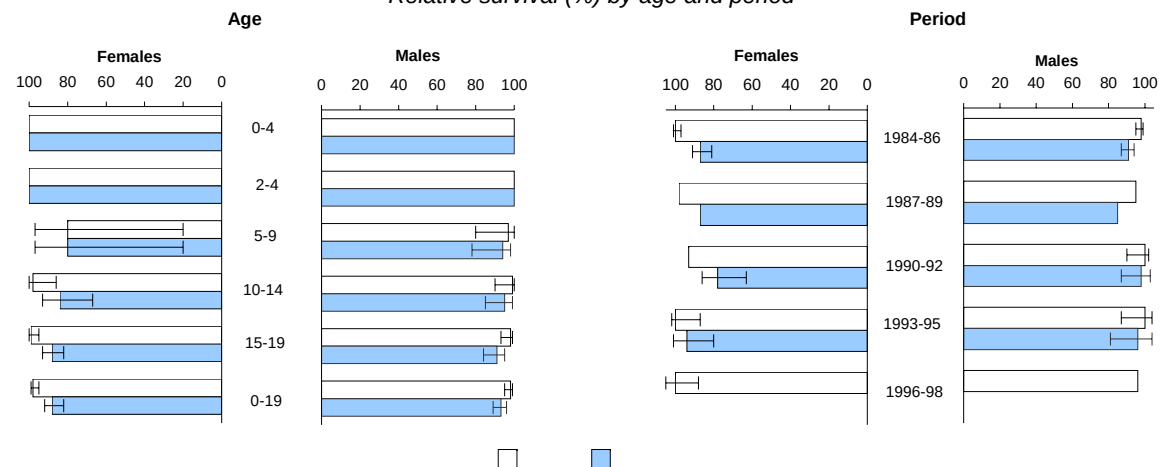


Source : Quebec Cancer Registry.

Hodgkin's disease (children) (ICD-9 201)

	Age class (1984-1998)														Period											
	0-4		0-1		2-4		5-9		10-14		15-19		0-14		0-19		1984-86	1987-89		1990-92		1993-95		1996-98		
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel		
Males	(5)				(5)		(33)		(66)		(137)		(104)		(241)		(55)		(40)		(55)		(44)		(47)	
1 year	100	100	.	.	100	100	97	97	98	99	98	98	98	98	98	98	98	95	95	100	100	100	100	96	96	
3 years	100	100	.	.	100	100	94	94	97	97	93	93	96	96	94	94	93	93	88	88	100	100	95	96	96	96
5 years	100	100	.	.	100	100	94	94	95	95	91	91	95	95	93	93	91	91	85	85	98	98	95	96	.	.
8 years	100	100	.	.	100	100	94	94	95	95	91	91	95	95	93	93	91	91	85	85	98	98	.	.	.	.
10 years	100	100	.	.	100	100	94	94	91	92	91	91	93	93	92	92	89	89	85	85	.	.	.	.	.	.
Females	(2)				(2)		(5)		(46)		(169)		(53)		(222)		(39)		(45)		(45)		(47)		(46)	
1 year	100	100	.	.	100	100	80	80	98	98	99	99	96	96	98	98	100	100	98	98	93	93	100	100	100	100
3 years	100	100	.	.	100	100	80	80	90	90	92	92	89	90	92	92	97	97	89	89	82	82	94	94	100	100
5 years	100	100	.	.	100	100	80	80	84	84	88	88	85	85	87	88	87	87	87	87	78	78	94	94	.	.
8 years	.	.	.	.	.	.	80	80	84	84	87	88	85	85	87	87	87	87	87	87	76	76	.	.	.	.
10 years	.	.	.	.	.	.	80	80	84	84	87	88	85	85	87	87	87	87	87	87	.	.	.	.	.	.
Overall	(7)				(7)		(38)		(112)		(306)		(157)		(463)		(94)		(85)		(100)		(91)		(93)	
1 year	100	100	.	.	100	100	95	95	98	98	98	98	97	97	98	98	99	99	96	97	97	97	100	100	98	98
3 years	100	100	.	.	100	100	92	92	94	94	92	93	94	94	93	93	95	95	88	88	92	92	95	95	98	98
5 years	100	100	.	.	100	100	92	92	91	91	89	90	92	92	90	90	89	90	86	86	89	89	95	95	.	.
8 years	100	100	.	.	100	100	92	92	91	91	89	89	92	92	90	90	89	90	86	86	88	88	.	.	.	.
10 years	100	100	.	.	100	100	92	92	89	89	89	89	90	90	89	90	88	89	86	86	.	.	.	.	.	.

Relative survival (%) by age and period



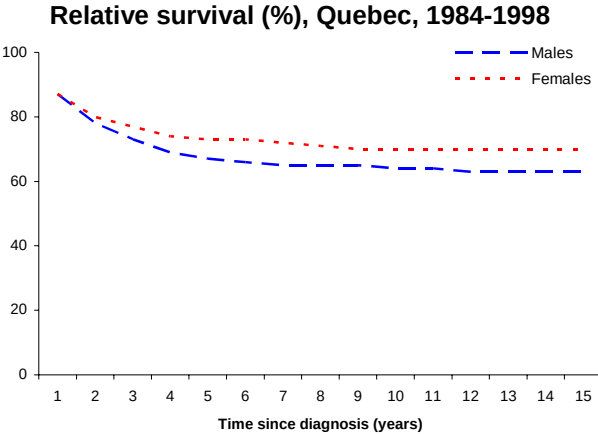
Source : Quebec Cancer Registry.

Leukemia (children) (ICD-9 204-208)

Number of cases, Quebec, 1984-1998

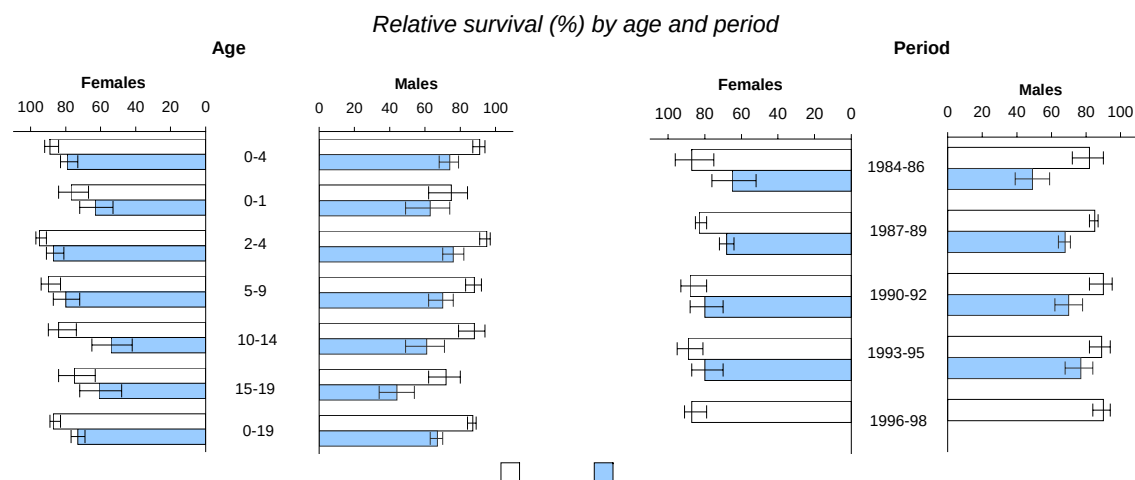
Males	670
Females	541
Overall	1,211

Source : Quebec Cancer Registry.



Leukemia (children) (ICD-9 204-208)

	Age class (1984-1998)														Period											
	0-4		0-1		2-4		5-9		10-14		15-19		0-14		0-19		1984-86		1987-89		1990-92		1993-95		1996-98	
	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel	obs	rel
Males	(302)		(60)		(242)		(182)		(85)		(101)		(569)		(670)		(146)		(137)		(132)		(142)		(113)	
1 year	91	91	75	75	95	95	88	88	88	88	72	72	90	90	87	87	82	82	85	85	90	90	89	89	90	90
3 years	79	79	64	65	83	83	77	77	65	65	51	51	76	76	72	73	62	62	70	70	73	74	80	80	80	80
5 years	74	74	62	63	76	76	70	70	61	61	44	44	71	71	67	67	49	49	68	68	70	70	77	77	.	.
8 years	73	73	62	63	75	75	68	68	57	57	42	43	69	69	65	65	48	48	66	66	69	69	.	.	.	.
10 years	71	71	62	63	73	73	65	66	57	57	42	43	67	67	63	64	46	46	65	65	.	.	.	.	.	.
Females	(277)		(98)		(179)		(119)		(80)		(65)		(476)		(541)		(104)		(117)		(112)		(100)		(108)	
1 year	88	89	77	77	95	95	90	90	84	84	75	75	88	88	87	87	87	87	83	83	88	88	89	89	87	87
3 years	82	82	68	68	90	90	83	83	57	57	66	66	78	78	77	77	69	69	71	71	83	83	81	81	82	82
5 years	78	79	63	63	87	87	80	80	54	54	61	61	75	75	73	73	64	65	68	68	79	80	80	80	.	.
8 years	77	77	63	63	84	84	78	78	50	50	61	61	72	73	71	71	63	64	64	64	77	77	.	.	.	.
10 years	76	76	63	63	83	83	76	76	48	48	61	61	71	71	70	70	63	64	62	63	.	.	.	.	.	.
Overall	(579)		(158)		(421)		(301)		(165)		(166)		(1,045)		(1,211)		(250)		(254)		(244)		(242)		(221)	
1 year	90	90	76	76	95	95	89	89	86	86	73	74	89	89	87	87	84	84	84	84	89	89	89	89	89	89
3 years	81	81	67	67	86	86	79	79	61	61	57	57	77	77	74	74	65	65	70	71	78	78	81	81	81	81
5 years	76	76	63	63	81	81	74	74	58	58	50	51	73	73	70	70	56	56	68	68	74	74	78	78	.	.
8 years	74	75	63	63	79	79	72	72	53	54	49	50	70	71	68	68	54	55	65	65	73	73	.	.	.	.
10 years	73	73	63	63	77	77	69	70	52	52	49	50	69	69	66	66	53	53	64	64	.	.	.	.	.	.



Source : Quebec Cancer Registry.

5. DISCUSSION

The survival probabilities presented in this report may be used to establish a prognosis for each cancer site or type of cancer. In particular, the five year relative survival probability has been used to categorize cancers according to four prognoses: excellent (relative survival of over 85%), good (relative survival of 70% to 84%), fair (relative survival of 30% to 69%), and poor (relative survival of under 30%).

Thus, the results show that the prognosis is excellent for breast and lip cancer and good for cancer of the prostate, the genital organs (female), and the bladder. The prognosis is only fair for larynx, colorectal, and tongue cancers, as well as all forms of leukemia. Lastly, the prognosis is poor for diagnoses such as stomach, brain, and esophagus cancers, and especially poor for lung and pancreatic cancer. The results also show an overall lower prognosis for men than women, since the primary cancer site for men, the lungs, represents nearly one in four cancer cases and has a very poor survival probability. Women, on the other hand, are most often afflicted by breast cancer and cancers of the genital organs (nearly 40% of all cancers), for which the prognosis is excellent or good.

Young age at the time of diagnosis is a determining factor in establishing a higher estimated relative survival probability. As age increases, the relative survival probability decreases. In general, the 15 to 44 age group has a better relative survival probability than the older age groups, with the exception of men suffering from prostate cancer and women suffering from breast cancer.

The results led to another interesting point—the definition of a “healing threshold.” As illustrated in the graphic on relative survival up to 15 years after diagnosis for each cancer site, the relative survival probability for some cancers declined continually until the end of the study. For these cancer sites, the “threshold” is said to be zero. But for other sites, the relative survival probability reached a plateau after a certain period, which varied depending on the site. The end of this period may be interpreted as a “healing threshold” for the cancer involved. This is the case for female breast cancer, for example, for which a survivor can only be considered “healed” 11 years after diagnosis.

Cancer site, tumor size, level of invasion into surrounding tissues and spread to distant sites, and histological type and grade of the cancer cells are also determining factors of survival.

From another perspective, the results show that the survival probability improved over the study period primarily for melanomas, prostate and testicular cancer, and Hodgkin's disease in men, and cancer of the ovary and other uterine adnexae in women. Little or no significant change was seen for other cancer sites, including lung cancer, which is not only one of the most common forms of cancer, but also one with the lowest estimated survival probability. The improvements seen in relative survival may reflect real gains due to progress in the means used to fight cancer or may simply reflect earlier detection and longer treatment periods.

Another factor that should be taken into consideration is the underreporting of cases to the Quebec Cancer Registry. A recent study of the completeness of case reporting to the Quebec registry in 1996 (Brisson et al., 2003) showed that reporting was excellent, except as relates to three cancer sites: prostate, skin, and bladder. The study estimated underreporting at 30% for prostate cancer, 35% for skin cancer, and 15% for bladder cancer. Since cases are reported to the registry only when the patient is hospitalized or admitted for day surgery, the missing cases were very likely those treated on an out-patient or ambulatory basis, diagnosed at an early stage, or having a longer expected survival probability. This means that the actual relative survival probabilities for these three cancer sites are presumably higher than those presented in this report, although this discrepancy is impossible to quantify.

6. REFERENCES

- Bray D.F., Brancker A., Adams O. Tables de mortalité, Canada et provinces, 1985-1987. Rapport sur la santé, 1990 ; 2 (4) Suppl. 13.
- Brisson J. Major D, Pelletier E. Évaluation de l'exhaustivité du Quebec Cancer Registry. Institut national de santé publique du Québec, 2003
- Ederer F. and Heise H. Instructions to IBM 650 programmers in processing survival computations. Methodological note No. 10, End Results Evaluation Section, National Cancer Institute, Bethesda MD, 1959.
- Ellison Larry F., Laurie Gibbons et le groupe d'analyse de la survie au Cancer au Canada. «°Taux relatifs de survie à cinq ans - Cancer de la prostate, du sein, du Colo rectal et du rectum, et du poumon°». Rapports sur la santé, vol. 13, no 1, Décembre 2001, p. 25-34.
- Berrino F., Sant M., Veerdecchia A., Capocaccia R., Hakulinen T. & Estève J., eds (1995) Survival of Cancer Patients in Europe. The Eurocare study (IARC Scientific Publications No. 132), Lyon, IARC
- Berrino F., Capocaccia R., Estève J., Hakulinen T., Gatta G., Micheli A., Sant M. & Veerdecchia, A., eds (1999) Survival of Cancer Patients in Europe. The Eurocare-2 study (IARC Scientific Publications No. 151), Lyon, IARC
- Louchini Rabiâ, La survie au Cancer pour les nouveaux cas déclarés au Québec en 1992. Institut national de santé publique du Québec, 2002.
- Statistique Canada, Rapport sur la santé, no 82-003S trimestriel au catalogue, Ottawa, ministre de l'Industrie, 1990.
- Millar W.J. David pp. Tables de mortalité, Canada et provinces, 1990-1992 (Statistique Canada, no 84-537 au catalogue), Ottawa, ministre de l'Industrie, 1995.
- Duchesne D., P. Tully, B. Thomas & R. Bourbeau, Tables de mortalité, Canada, provinces et territoires, 1995-1997 (Statistique Canada, no 84-537-XIE au catalogue), Ottawa, ministre de l'Industrie, 2002.
- Paul Dickman and Timo Hakulinen. Population-based cancer survival analysis. Toronto, Canada 5-7 June, 2002. [Http://www.pauldickman.com/teaching/Toronto](http://www.pauldickman.com/teaching/Toronto) 2002.
- Dickman P.W., A. Auvinen, E.T. Vourilainen et al., "Measuring social class differences in cancer patient survival : Is it necessary to control for social class differences in general population mortality? A Finnish population-based study", Journal of Epidemiology and Community Health, 52, 1998, p. 727-734.

APPENDIX 1

Number of cases studied and deaths within five years of diagnosis, by site and diagnosis period, men, Quebec

ICD-9	Site	1984-86		1987-89		1990-92		1993-94	
		Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death
140	Lip	336	108	240	81	230	72	203	61
141	Tongue	267	182	222	155	277	174	300	185
142	Salivary glands	99	48	95	44	108	51	105	47
143	Gum	46	26	38	21	34	23	47	31
144	Floor of mouth	146	96	130	73	146	89	131	76
145	Other and unspecified parts ou mouth	125	84	135	88	140	95	131	83
146	Oropharynx	170	105	186	125	184	118	190	119
147	Nasopharynx	69	40	70	48	73	47	61	39
148	Hypopharynx	134	101	171	131	167	124	144	108
149	Lip, oral cavity and pharynx (other and ill-defined)	80	57	81	56	101	82	103	73
150	Oesophagus	394	351	417	371	454	409	445	391
151	Stomach	1,527	1,233	1,457	1,184	1,411	1,129	1,368	1,112
152	Small intestine	77	57	71	46	105	70	111	79
153-154	Colo rectal	4,648	2,719	4,939	2,855	5,348	3,053	5,491	2,939
155	Liver	327	313	351	328	378	351	472	432
156	Biliary tract	260	235	231	195	279	232	265	212
157	Pancreas	1,055	975	1,025	950	976	920	1,106	1,002
158	Retroperitoneum and peritoneum	67	47	74	56	77	65	55	40
159	Digestive organs and peritoneum (other and ill-defined sites)	95	82	102	92	136	122	98	88
160	Nasal cavities	58	34	67	32	66	40	78	41
161	Larynx	1,040	469	1,058	476	1,020	462	1,040	427
162	Lung	8,800	7,458	9,350	8,053	9,601	8,345	9,860	8,406
163	Pleura	114	100	148	132	171	161	189	177
164	Thymus, coeur, médiastin	53	38	55	35	57	39	58	31
170	Bone	140	73	123	58	106	52	98	47
171	Soft tissues	199	92	205	108	233	119	223	100
172	Melanoma of skin	332	161	379	137	478	200	500	186
175	Male breast	59	16	79	36	84	30	76	25
185	Prostate	5,192	2,619	5,725	2,849	7,331	3,087	9,505	3,127
186	Testis	246	46	335	41	410	36	388	29
187	Penis	70	28	78	34	83	39	73	37
188	Bladder	2,307	859	2,429	916	2,724	960	3,006	1,018
189	Kidney	978	540	1,147	591	1,263	632	1,304	619
190	Eye	57	27	74	30	97	33	88	36
191	Brain	625	513	648	495	716	564	799	613
192	Nervous system (other and unspecified parts)	45	20	42	20	34	16	44	17
193	Thyroid gland	138	30	170	40	161	35	235	40
194	Other endocrine glands and related structures	42	28	39	26	48	28	39	17
200	Lymphosarcoma and reticulosarcoma	440	281	450	283	428	270	606	364
201	Hodgkin's disease	353	105	357	100	347	88	323	59
202	Other malignant neoplasms of lymphoid and histiocytic tissue	694	376	874	489	1,099	634	1,166	650
203	Multiple myeloma	368	306	411	349	441	356	517	418
204-208	Leukemia	998	760	1,013	759	1,085	806	1,086	759

Source : Quebec Cancer Registry.

Number of cases studied and deaths within five years of diagnosis, by site and diagnosis period, women, Quebec

ICD-9	Site	1984-86		1987-89		1990-92		1993-94	
		Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death
140	Lip	43	7	28	3	45	8	34	5
141	Tongue	81	38	91	48	86	47	123	57
142	Salivary glands	82	25	70	23	75	31	81	20
143	Gum	22	12	19	11	24	13	22	7
144	Floor of mouth	36	14	42	22	40	19	45	21
145	Other and unspecified parts ou mouth	37	18	51	21	50	26	71	30
146	Oropharynx	47	24	54	28	61	37	63	23
147	Nasopharynx	21	13	26	16	25	14	19	9
148	Hypopharynx	30	22	24	19	26	19	23	16
149	Lip, oral cavity and pharynx (other and ill-defined)	20	15	23	17	28	15	32	23
150	Oesophagus	167	148	126	104	185	162	179	151
151	Stomach	917	683	913	698	882	698	850	676
152	Small intestine	71	43	90	57	89	50	118	70
153-154	Colo rectal	4,824	2,560	4,928	2,671	5,190	2,815	5,430	2,781
155	Liver	165	151	185	163	171	157	243	212
156	Biliary tract	421	355	377	327	404	354	392	332
157	Pancreas	880	802	920	841	955	885	1,048	958
158	Retropéritoneum and peritoneum	88	63	82	56	102	72	88	52
159	Digestive organs and peritoneum (other and ill-defined sites)	114	101	120	102	143	121	134	122
160	Nasal cavities	61	30	46	22	43	15	51	24
161	Larynx	206	79	246	99	246	94	223	72
162	Lung	2,778	2,208	3,276	2,719	4,163	3,415	4,691	3,744
163	Pleura	36	32	59	52	46	42	47	41
164	Thymus, coeur, médiastin	40	27	33	14	41	19	39	22
170	Bone	85	35	101	32	98	39	80	29
171	Soft tissues	182	79	172	69	199	87	196	83
172	Melanoma of skin	364	104	424	98	521	147	584	129
174	Female breast	8,698	2,823	9,569	2,917	10,422	3,008	11,412	2,786
179	Uterus, part unspecified	181	74	173	72	140	77	129	68
180	Cervix uteri	1,121	331	940	307	928	305	961	278
182	Corpus uteri	1,862	473	1,852	456	1,925	484	2,074	469
183	Ovary	1,248	753	1,163	676	1,333	782	1,600	838
184	Vagina and vulva	253	100	238	101	239	96	228	85
188	Bladder	874	292	860	306	939	345	1,069	347
189	Kidney	677	336	815	361	827	387	878	384
190	Eye	63	16	55	16	78	25	68	14
191	Brain	490	378	499	393	572	446	608	441
192	Nervous system (other and unspecified parts)	35	12	29	9	45	23	46	15
193	Thyroid gland	405	59	420	62	531	58	658	68
194	Other endocrine glands and related structures	36	21	35	18	47	21	50	24
200	Lymphosarcoma and reticulosarcoma	442	255	347	203	361	204	490	250
201	Hodgkin's disease	245	62	287	56	279	71	264	39
202	Other malignant neoplasms of lymphoid and histiocytic tissue	667	334	809	425	969	493	1,027	485
203	Multiple myeloma	379	280	408	328	442	358	477	365
204-208	Leukemia	769	547	802	583	865	608	865	600

Source : Quebec Cancer Registry.

Number of cases studied and deaths within five years of diagnosis by site and age class, Men, Quebec, from 1984 to 1998

ICD-9	Site	15-44		45-54		55-64		65-74		75+	
		Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death
140	Lip	51	4	103	11	276	50	320	77	411	197
141	Tongue	123	49	287	147	426	259	344	239	173	132
142	Salivary glands	90	12	85	21	118	50	129	70	100	66
143	Gum	13	9	19	5	62	36	64	37	41	29
144	Floor of mouth	42	21	129	50	252	151	157	98	79	54
145	Other and unspecified parts ou mouth	88	52	104	57	179	98	162	107	106	80
146	Oropharynx	72	33	234	112	318	181	224	142	100	83
147	Nasopharynx	61	22	89	49	95	59	72	47	30	25
148	Hypopharynx	16	7	124	77	277	191	245	187	93	77
149	Lip, oral cavity and pharynx (other and ill-defined)	19	9	74	42	156	115	129	96	51	47
150	Oesophagus	73	58	254	202	612	523	781	684	502	460
151	Stomach	318	226	678	468	1,519	1,128	2,277	1,805	2,269	1,956
152	Small intestine	58	35	68	35	117	59	138	99	108	87
153-154	Colo rectal	1,090	441	2,771	1,163	6,396	2,917	8,874	4,600	6,975	4,556
155	Liver	121	93	196	162	533	485	780	718	459	432
156	Biliary tract	47	30	122	89	240	188	411	339	430	384
157	Pancreas	178	139	549	488	1,332	1,212	1,765	1,617	1,378	1,295
158	Retroperitoneum and peritoneum	59	27	57	40	94	71	81	65	45	38
159	Digestive organs and peritoneum (other and ill-defined sites)	22	17	32	28	100	87	183	157	221	203
160	Nasal cavities	59	27	58	23	100	46	76	37	59	40
161	Larynx	194	40	821	277	1,827	669	1,533	672	674	429
162	Lung	1,249	978	4,857	3,872	13,117	10,596	17,421	14,705	10,340	9,421
163	Pleura	36	30	108	88	229	200	291	267	175	161
164	Thymus, coeur, médiastin	107	47	32	18	54	34	47	37	33	25
170	Bone	253	81	88	34	76	33	69	44	80	66
171	Soft tissues	297	106	155	45	207	87	223	116	193	131
172	Melanoma of skin	621	153	494	165	470	165	415	168	263	157
175	Male breast	11	5	48	11	101	23	127	47	79	35
185	Prostate	56	18	1,083	189	7,386	1,410	14,389	4,343	12,292	7,197
186	Testis	1,531	109	148	16	59	7	32	16	23	17
187	Penis	51	21	51	13	84	22	100	37	108	66
188	Bladder	648	49	1,326	154	3,124	671	4,572	1,417	3,794	2,097
189	Kidney	476	143	946	338	1,653	660	1,773	914	1,223	824
190	Eye	63	13	71	15	95	30	103	42	69	41
191	Brain	989	461	566	440	798	694	780	731	428	392
192	Nervous system (other and unspecified parts)	79	27	33	9	35	11	42	28	25	17
193	Thyroid gland	398	24	184	25	157	27	139	56	66	38
194	Other endocrine glands and related structures	63	25	23	9	52	29	48	31	16	14
200	Lymphosarcoma and reticulosarcoma	505	237	386	190	571	303	654	417	447	338
201	Hodgkin's disease	1,081	141	234	58	161	51	147	79	64	55
202	Other malignant neoplasms of lymphoid and histiocytic tissue	1,093	433	910	352	1,078	484	1,085	674	817	636
203	Multiple myeloma	99	54	250	157	506	370	753	565	682	577
204-208	Leukemia	698	432	512	318	1,009	659	1,538	1,079	1,532	1,200

Source : Quebec Cancer Registry.

**Number of cases studied and deaths within five years of diagnosis by site and age class,
Women, Quebec, from 1984 to 1998**

ICD-9	Site	15-44		45-54		55-64		65-74		75+	
		Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death	Number of cases	Number of death
140	Lip	16	0	16	1	29	2	50	4	68	20
141	Tongue	56	16	65	23	132	46	132	67	110	79
142	Salivary glands	103	12	59	8	72	25	78	24	87	45
143	Gum	7	1	11	4	30	10	22	10	44	27
144	Floor of mouth	5	0	36	11	65	21	48	23	42	31
145	Other and unspecified parts ou mouth	32	4	46	14	61	21	74	32	69	45
146	Oropharynx	24	6	55	17	79	34	85	49	49	33
147	Nasopharynx	29	6	20	7	26	16	22	17	21	15
148	Hypopharynx	3	1	18	13	43	28	48	30	24	20
149	Lip, oral cavity and pharynx (other and ill-defined)	5	1	17	9	39	22	39	31	31	23
150	Oesophagus	13	9	43	33	147	118	272	220	359	309
151	Stomach	221	149	311	189	636	444	1,182	868	1,995	1,631
152	Small intestine	47	22	56	24	84	43	138	82	147	102
153-154	Colo rectal	1,075	403	2,405	940	4,924	2,027	7,488	3,484	9,728	5,933
155	Liver	62	44	70	54	187	154	316	275	416	386
156	Biliary tract	61	45	136	103	317	261	594	504	896	774
157	Pancreas	129	99	366	310	850	753	1,551	1,416	2,008	1,858
158	Retroperitoneum and peritoneum	71	24	66	30	97	55	142	104	86	75
159	Digestive organs and peritoneum (other and ill-defined sites)	16	10	38	30	68	51	130	117	381	346
160	Nasal cavities	45	11	36	16	55	20	53	27	63	37
161	Larynx	69	16	229	45	369	106	326	138	151	89
162	Lung	1,334	950	3,019	2,201	5,304	3,971	6,269	5,001	4,151	3,657
163	Pleura	20	17	29	26	55	48	76	67	79	68
164	Thymus, coeur, médiastin	46	19	28	12	44	20	42	25	36	26
170	Bone	174	35	68	14	51	21	74	38	69	44
171	Soft tissues	275	87	126	25	169	64	161	74	201	121
172	Melanoma of skin	886	122	444	76	402	78	388	109	361	173
174	Female breast	7,739	1,533	10,937	1,722	12,341	2,513	12,068	3,001	9,537	4,183
179	Uterus, part unspecified	89	14	103	23	159	55	185	90	207	158
180	Cervix uteri	2,088	303	816	244	672	224	708	293	538	355
182	Corpus uteri	508	41	1,444	130	2,807	406	3,090	763	1,863	843
183	Ovary	1,213	264	1,301	539	1,576	828	1,528	968	1,250	987
184	Vagina and vulva	181	19	132	19	178	51	304	112	465	263
188	Bladder	277	14	453	37	901	143	1,379	400	1,756	924
189	Kidney	311	77	541	123	931	294	1,098	481	1,201	782
190	Eye	54	5	42	5	61	12	109	33	63	25
191	Brain	632	239	378	263	567	490	699	631	544	497
192	Nervous system (other and unspecified parts)	64	16	20	3	29	8	49	19	39	28
193	Thyroid gland	1,333	20	484	11	400	52	312	76	230	130
194	Other endocrine glands and related structures	47	14	39	13	41	20	50	26	31	26
200	Lymphosarcoma and reticulosarcoma	273	92	252	89	438	179	614	337	640	439
201	Hodgkin's disease	868	72	122	22	107	41	121	60	89	59
202	Other malignant neoplasms of lymphoid and histiocytic tissue	552	122	639	169	927	334	1,124	579	1,257	913
203	Multiple myeloma	66	39	149	84	432	277	678	497	919	716
204-208	Leukemia	503	250	338	228	598	390	1,061	685	1,633	1,225

Source : Quebec Cancer Registry.