

Cancer in Manitoba

2015 ANNUAL STATISTICAL REPORT



Department of Epidemiology
& Cancer Registry



CancerCare Manitoba
ActionCancerManitoba

Department of Epidemiology & Cancer Registry

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Vision

Working together, we will reduce the impact of cancer on all Manitobans.

Mission

Through early detection, care, research, education and public outreach, CancerCare Manitoba will contribute to the prevention of cancer and improve the outcomes and quality of life for Manitobans with cancer and blood Disorders.

Introduction to the Data

The Manitoba Cancer Registry is an essential tool for evidence-based, data-driven decision making that has an immense impact on treatment and research. This year's report is based on the following information.

NOTE: *All statistics in the body of this report only include Manitoba residents.*

Manitoba Cancer Registry data is used for:

- health care planning and monitoring
- surveillance and studies on the causes and prevention of cancer, cancer clusters, treatment patterns, outcomes and survival
- patient care
- quality assurance
- reporting to the Canadian Cancer Registry, the North American Association of Central Cancer Registries and the International Association of Cancer Registries

Information sources include:

- provincial cytology and pathology departments
- admission/separation data from the provincial hospital abstracting system
- Manitoba Provincial Client Registry
- letters and "Report of Malignant Neoplasm Forms" from physicians and other health care providers
- hospital health records
- correspondence from other provincial and territorial cancer registries on Manitoba residents diagnosed and/or treated in those jurisdictions

Incidence data

Incidence refers to the number of new cases of cancer diagnosed in Manitoba every year. Cancer cases referenced were diagnosed in the 2015 calendar year. Incidence is also provided by stage of disease at diagnosis.

The Manitoba Cancer Registry uses disease site groupings according to the International Classification of Diseases for Oncology Third Edition (ICD-O3), based on Surveillance Epidemiology and End Results (SEER) Groups. See [Appendix 1](#) for the primary site groupings used for incidence.

Mortality data

Mortality information refers to Manitobans who died of cancer in the 2015 calendar year, however, those patients may not have been diagnosed in 2015. The Vital Statistics Agency of Manitoba reported cancer as the leading cause of death in the province. In 2015, there were 2,765 deaths due to invasive cancer (age standardized rate – 209.3 per 100,000). The totals in the summary on page 11 include all cancer deaths occurring in Manitoba.

Rates

Incidence counts and rates are presented in this report. Annual age-standardized rates are per 100,000 population and allow for comparison of cancer rates in different regions with different age structures. Rates are age-standardized (using the direct method) to the 2011 Manitoba population.

Staging data

The Manitoba Cancer Registry implemented stage data collection for all cases of cancer (excluding non-melanoma skin) diagnosed January 1, 2004 and forward. This data is consistent with the AJCC Cancer Staging Manual, 7th edition.

In this report, stage data is shown for all disease site groups with a cancer incidence of 45 cases per year or more and is represented using pie charts. Stage information, along with frequency of incidence for each of these sites, can also be found in table format on page 9.

Population data

Data are based on Manitoba estimates provided by Manitoba Health, Seniors and Active Living.

Additional statistical information is available upon request. Please contact the Manitoba Cancer Registry at:

1-877-787-1272 (toll-free) or CCMBepireg@cancercare.mb.ca

Manitoba's Cancer Profile

Facts & Figures

Manitoba's cancer profile

Cancer is a significant health issue. In 2015, **11,854** Manitobans were diagnosed with cancer:

- **6,442** invasive cancers
- **4,931** in situ (confined to the area of origin)
- **371** unspecified cancers
- **110** benign brain and CNS (central nervous system)

In this same year, **2,765** people died from the disease.

The number of cancer cases in Manitoba is influenced by three factors:

- the age of the population
- the size of the population
- risk factors such as unhealthy living (including smoking, poor diet, inactivity, sun exposure), some environmental carcinogens, genetic predisposition and not being screened.

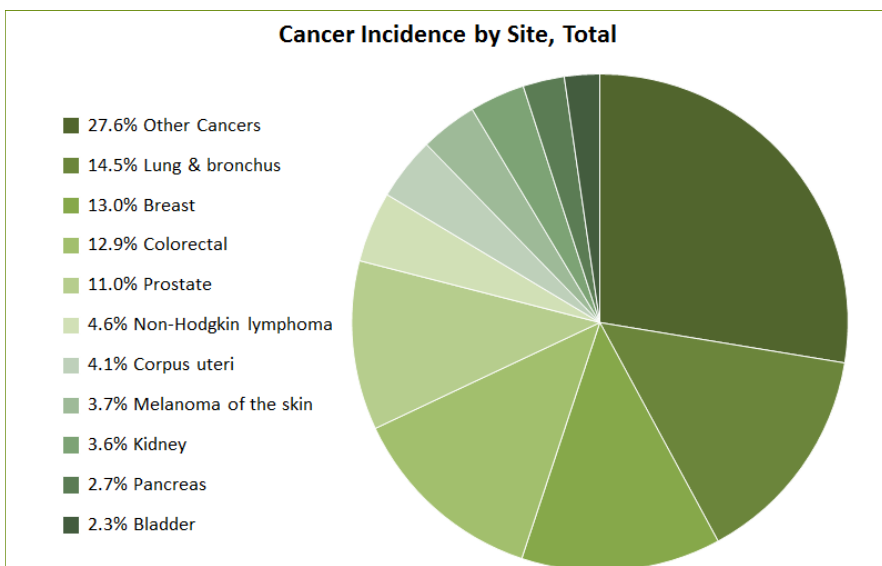
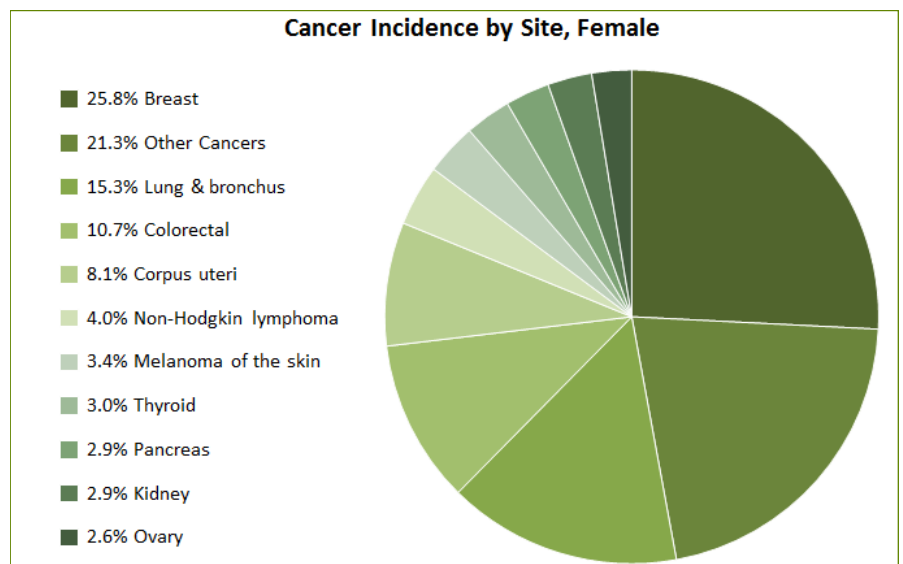
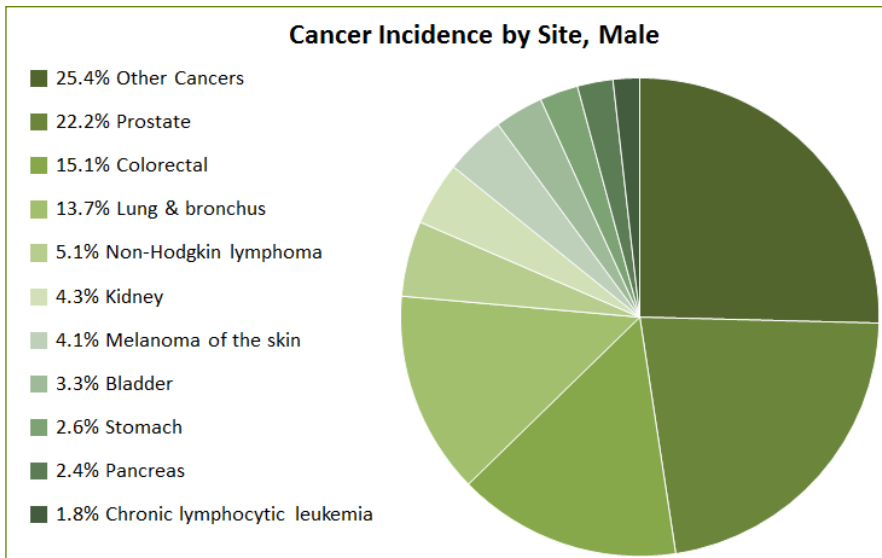
Most Common Cancer Diagnoses, 2015

Incidence

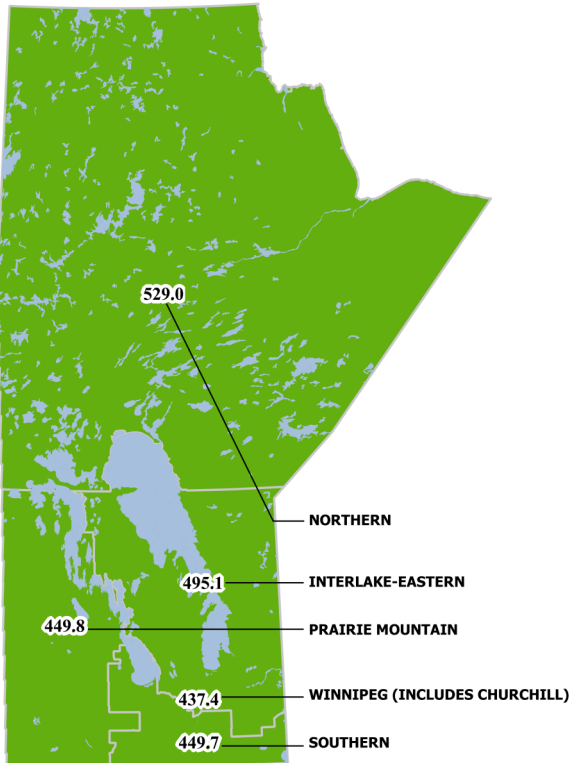
Male		Female		Total	
SITE	CASES	SITE	CASES	SITE	CASES
Prostate	710	Breast	834	Lung & bronchus	935
Colorectal	482	Lung & bronchus	497	Breast	838
Lung & Bronchus	438	Colorectal	347	Colorectal	829
Non-Hodgkin lymphoma	163	Corpus uteri	262	Prostate	710
Kidney	137	Non-Hodgkin lymphoma	130	Non-Hodgkin lymphoma	293
Melanoma of the skin	131	Melanoma of the skin	110	Corpus uteri	262
Bladder	105	Thyroid	98	Melanoma of the skin	241
Stomach	84	Kidney	94	Kidney	231
Pancreas	78	Pancreas	93	Pancreas	171
Chronic lymphocytic leukemia	59	Ovary	84	Bladder	147

Cancer Incidence by Site

Invasive cancers only



Manitoba Cancer Rates by Regional Health Authority



All Invasive Cancers Female Incidence

Age-standardized rate per 100,000

Standard population: Manitoba 2011

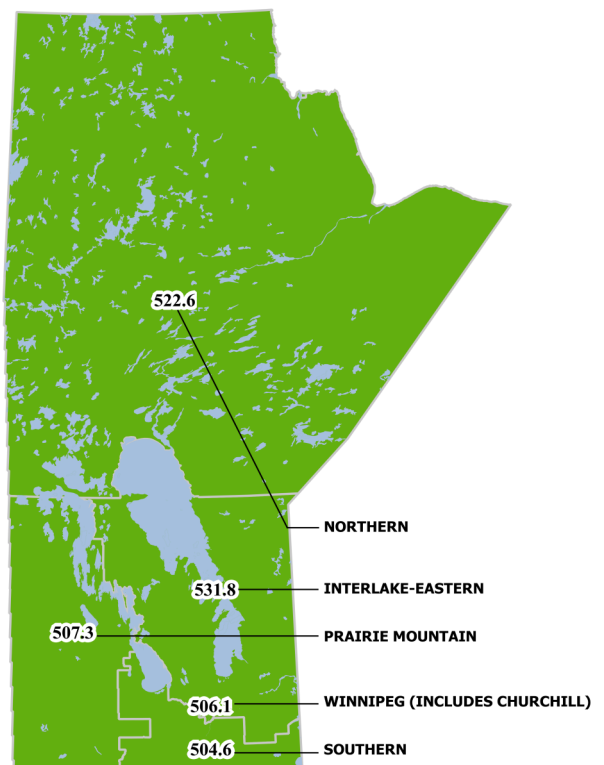
Out of province residents excluded

All Invasive Cancers Male Incidence

Age-standardized rate per 100,000

Standard population: Manitoba 2011

Out of province residents excluded



Cancer Incidence - Cases and Rates in Manitoba by Site, 2015

	Cancer Site	Age group																		Total Count			ASIR*					
		00-29			30-39			40-49			50-59			60-69			70-79			80+			M	F	T	M	F	T
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T			
Buccal cavity & pharynx	Lip	0	0	0	0	0	0	0	0	0	5	0	5	8	2	10	10	2	12	10	1	11	33	5	38	5.47	0.66	2.78
	Tongue	0	0	0	3	0	3	2	1	3	5	7	12	11	3	14	10	6	16	0	4	4	31	21	52	4.61	2.94	3.80
	Major salivary gland	0	0	0	1	0	1	0	0	0	0	1	1	1	3	4	0	0	0	0	3	3	2	7	9	0.29	0.93	0.66
	Floor of mouth	0	0	0	0	0	0	1	0	1	1	1	2	4	0	4	3	0	3	0	0	0	9	1	10	1.34	0.15	0.73
	Gum & other mouth	0	0	0	0	0	0	1	1	2	3	0	3	4	2	6	3	0	3	0	0	0	11	3	14	1.64	0.44	1.02
	Nasopharynx	0	0	0	0	0	0	1	1	2	3	1	4	1	3	4	0	0	0	0	0	0	5	5	10	0.76	0.72	0.74
	Oropharynx	0	0	0	0	0	0	0	0	0	2	1	3	1	1	2	0	0	0	1	0	1	4	2	6	0.65	0.29	0.44
	Oropharynx	0	0	0	0	0	0	0	0	0	2	0	2	5	1	6	0	0	0	1	1	2	8	2	10	1.21	0.26	0.72
	Other buccal cavity & pharynx	0	0	0	0	0	0	2	0	2	9	1	10	5	1	6	1	0	1	2	2	4	19	4	23	2.96	0.53	1.72
Digestive	Esophagus	0	0	0	0	0	0	0	1	1	7	4	11	11	4	15	18	3	21	8	2	10	44	14	58	7.01	1.97	4.23
	Stomach	0	1	1	0	0	0	3	3	6	13	7	20	16	7	23	23	10	33	29	20	49	84	48	132	14.21	6.50	9.83
	Small intestine	0	0	0	1	0	1	1	0	1	1	3	4	7	3	10	4	2	6	2	3	5	16	11	27	2.47	1.50	1.96
	Colon excluding rectum	3	4	7	10	5	15	8	12	20	48	27	75	70	44	114	76	54	130	67	80	147	282	226	508	45.77	30.61	37.53
	Rectum & rectosigmoid	2	0	2	3	3	6	15	12	27	44	25	69	52	26	78	50	27	77	34	28	62	200	121	321	31.84	16.87	23.76
	Anus	0	0	0	0	0	0	1	1	2	3	4	7	3	5	8	2	4	6	1	1	2	10	15	25	1.55	2.11	1.83
	Liver	0	0	0	0	0	0	2	0	2	10	5	15	24	5	29	14	4	18	4	1	5	54	15	69	8.18	2.10	4.98
	Gallbladder	0	0	0	0	0	0	0	0	0	1	2	3	4	7	11	2	6	8	1	5	6	8	20	28	1.22	2.68	2.02
	Pancreas	0	1	1	0	0	0	0	4	4	10	7	17	31	13	44	26	27	53	11	41	52	78	93	171	12.11	12.38	12.55
	Other digestive system	0	0	0	0	0	0	4	3	7	6	6	12	7	7	14	7	11	18	10	10	20	34	37	71	5.69	5.09	5.30
Respiratory	Larynx	0	0	0	0	0	0	0	0	0	5	2	7	13	1	14	6	2	8	3	0	3	27	5	32	4.12	0.71	2.30
	Lung & bronchus	1	0	1	0	0	0	5	7	12	47	65	112	138	149	287	149	162	311	98	114	212	438	497	935	70.48	67.18	68.04
	Other respiratory system	1	0	1	1	0	1	0	0	0	2	3	5	1	1	2	1	0	1	1	1	2	7	5	12	1.10	0.71	0.89
	Bones & joints	1	1	2	0	1	1	1	0	1	1	0	1	1	1	2	0	1	1	0	0	0	4	4	8	0.61	0.57	0.59
Mesothelial & Soft tissue (including heart)	Soft tissue (Including heart)	2	5	7	2	1	3	3	1	4	7	3	10	3	5	8	5	4	9	6	2	8	28	21	49	4.57	3.01	3.66
	Kaposi sarcoma	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	3	0	3	0.45	0.00	0.22
	Mesothelioma	0	0	0	0	0	0	0	0	0	1	1	2	4	1	5	5	2	7	4	3	7	14	7	21	2.30	0.93	1.54
	Melanoma of the skin	0	4	4	4	4	8	8	17	25	26	24	50	37	25	62	36	19	55	20	17	37	131	110	241	20.67	15.75	17.84
	Breast	0	2	2	0	34	34	0	93	93	0	184	184	0	240	240	1	162	163	3	119	122	4	834	838	0.77	117.79	61.98

Cancer Site	Age group																					Total Count			ASIR*			
	00-29			30-39			40-49			50-59			60-69			70-79			80+									
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
Female genital	Cervix uteri		4			9			12			7			5			1			1			39			5.94	
	Corpus uteri		3			9			31			68			87			40			24			262			37.41	
	Uterus, NOS		0			0			0			2			2			0			2			6			0.82	
	Ovary		3			0			12			22			20			15			12			84			12.03	
	Other female genital system		0			1			2			9			9			11			7			39			5.42	
Male genital	Prostate	0			0			8			86			256			246			114			710			111.44		
	Testis	13			11			6			8			1			0			1			40			6.12		
	Penis	0			1			0			4			6			8			1			20			3.03		
	Other male genital system	0			0			0			1			0			0			0			1			0.15		
Urinary	Bladder	0	0	0	0	0	0	2	1	3	14	2	16	29	7	36	32	11	43	28	21	49	105	42	147	17.19	5.50	10.82
	Kidney	1	2	3	5	0	5	13	9	22	33	14	47	49	28	77	19	22	41	17	19	36	137	94	231	21.31	13.05	17.01
	Ureter	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2	2	2	4	4	3	7	0.71	0.38	0.52
	Other urinary system	0	0	0	0	0	0	0	0	0	3	0	3	0	1	1	2	2	4	4	0	4	9	3	12	1.58	0.41	0.89
Eye	0	2	2	0	1	1	0	0	0	2	0	2	1	0	1	2	0	2	0	2	2	5	5	10	0.75	0.71	0.75	
Brain & other CNS	Brain	8	7	15	3	1	4	5	3	8	11	9	20	7	9	16	6	6	12	0	5	5	40	40	80	6.03	5.76	5.97
	Other nervous system	2	0	2	0	0	0	0	1	1	1	1	2	0	0	0	1	0	1	0	0	0	4	2	6	0.60	0.32	0.46
Endocrine	Thyroid	2	8	10	5	16	21	9	26	35	10	20	30	12	17	29	4	7	11	0	4	4	42	98	140	6.34	14.71	10.59
	Other endocrine	7	1	8	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2	0	1	1	8	4	12	1.19	0.55	0.90
Lymphoma	Hodgkin lymphoma	4	4	8	3	6	9	1	3	4	1	0	1	6	1	7	3	2	5	1	3	4	19	19	38	2.87	2.78	2.83
	Non-Hodgkin lymphoma	3	3	6	9	2	11	12	5	17	24	25	49	50	36	86	42	25	67	23	34	57	163	130	293	25.59	17.84	21.53
	Multiple myeloma	0	0	0	1	3	4	3	0	3	10	5	15	16	13	29	15	10	25	9	7	16	54	38	92	8.55	5.17	6.71
Leukemias	Acute lymphocytic leukemia	8	4	12	0	1	1	0	0	0	1	2	3	2	0	2	0	1	1	1	1	2	12	9	21	1.83	1.34	1.58
	Chronic lymphocytic leukemia	0	0	0	0	0	0	4	1	5	9	6	15	18	12	30	19	10	29	9	5	14	59	34	93	9.32	4.67	6.78
	Acute myeloid leukemia	3	1	4	1	0	1	2	3	5	4	4	8	5	3	8	10	3	13	5	4	9	30	18	48	4.80	2.57	3.58
	Chronic myeloid leukemia	2	1	3	1	0	1	1	1	2	1	1	2	1	1	2	4	3	7	3	4	7	13	11	24	2.14	1.51	1.80
	Acute monocytic leukemia	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	2	0.15	0.16	0.15
	Other leukemias	0	0	0	0	0	0	2	1	3	1	2	3	0	2	2	1	1	2	2	1	3	6	7	13	1.05	1.00	0.99
Other, ill defined & unknown	5	2	7	2	0	2	4	4	8	11	14	25	35	20	55	42	35	77	34	43	77	133	118	251	21.73	15.87	18.52	
TOTAL - ALL INVASIVE	68	64	132	68	97	165	130	272	402	497	597	1094	958	833	1791	912	716	1628	570	660	1230	3203	3239	6442	508.49	451.31	473.83	
In situ	Non-Melanoma skin & in situ skin	4	11	15	22	32	54	98	114	212	264	280	544	509	409	918	581	392	973	550	495	1045	2028	1733	3761	333.82	237.49	277.85
	Breast in situ	0	0	0	0	6	6	0	7	7	0	27	27	0	43	43	0	21	21	0	9	9	0	113	113	0.00	15.90	8.23
	Cervix in situ		167			107			48			20			11			2			2			357	357		54.83	
	Prostate in situ	0			1			0			3			18			8			0			30		30	4.35		
	Bladder in situ	1	1	2	1	0	1	1	2	3	17	5	22	33	11	44	43	18	61	34	8	42	130	45	175	21.26	6.16	12.80
	Colorectal in situ	1	2	3	1	3	4	13	9	22	54	34	88	75	37	112	62	46	108	28	18	46	234	149	383	36.4	20.87	28.04
	Other in situ (Excl. Breast, Skin, Cervix, Prostate, Bladder, Colorectal)	0	3	3	1	4	5	1	14	15	12	12	24	16	13	29	10	10	20	5	11	16	45	67	112	6.93	9.69	8.33
TOTAL - INVASIVE & IN SITU	74	248	322	94	249	343	243	466	709	847	975	1822	1609	1357	2966	1616	1205	2821	1187	1203	2390	5670	5703	11373	911.24	796.26	838.39	
Brain uncertain & unspecified	Brain uncertain & unspecified	1	1	2	0	0	0	1	1	2	4	0	4	1	3	4	0	2	2	1	2	3	8	9	17	1.26	1.25	1.27
	Neoplasms (Uncertain & unspecified, excluding brain)	9	12	21	10	10	20	11	20	31	27	33	60	33	39	72	48	31	79	36	35	71	174	180	354	28.13	25.48	26.32
	Brain & nervous system benign	3	2	5	6	6	12	4	5	9	8	14	22	9	13	22	5	12	17	8	15	23	43	67	110	6.88	9.39	8.19
ALL CANCERS	87	263	350	110	265	375	259	492	751	886	1022	1908	1652	1412	3064	1669	1250	2919	1232	1255	2487	5895	5959	11854	947.52	832.37	874.18	

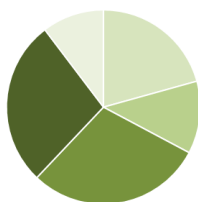
Age-standardized incidence rate per 100,000
Standard population: Manitoba 2011

Staging on sites with more than 45 cases

(Invasive cancers only)

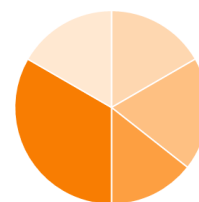
Esophagus

	Frequency	Percent	
Stage I	12	20.7	
Stage II	7	12.1	
Stage III	17	29.3	
Stage IV	16	27.6	
Unknown	6	10.3	
Total	58	100	



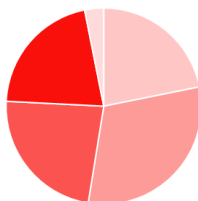
Stomach

	Frequency	Percent	
Stage I	22	16.7	
Stage II	25	18.9	
Stage III	19	14.4	
Stage IV	44	33.3	
Unknown	22	16.7	
Total	132	100	



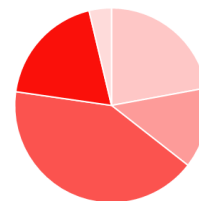
Colon excluding rectum

	Frequency	Percent	
Stage I	111	21.9	
Stage II	156	30.7	
Stage III	118	23.2	
Stage IV	107	21.1	
Unknown	16	3.2	
Total	508	100	



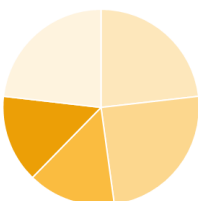
Rectum & rectosigmoid

	Frequency	Percent	
Stage I	71	22.1	
Stage II	43	13.4	
Stage III	134	41.7	
Stage IV	61	19.0	
Unknown	12	3.7	
Total	321	100	



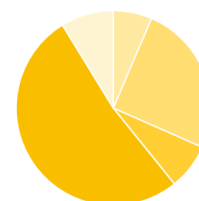
Liver

	Frequency	Percent	
Stage I	16	23.2	
Stage II	17	24.6	
Stage III	10	14.5	
Stage IV	10	14.5	
Unknown	16	23.2	
Total	69	100	



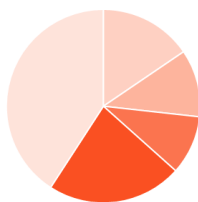
Pancreas

	Frequency	Percent	
Stage I	11	6.4	
Stage II	43	25.2	
Stage III	13	7.6	
Stage IV	89	52.1	
Unknown	15	8.8	
Total	171	100	



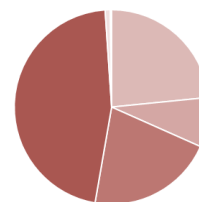
Other digestive system

	Frequency	Percent	
Stage I	11	15.5	
Stage II	8	11.3	
Stage III	7	9.9	
Stage IV	16	22.5	
Unknown	29	40.9	
Total	71	100	



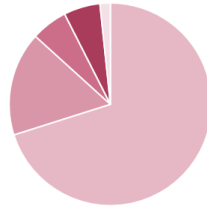
Lung & bronchus

	Frequency	Percent	
Stage I	219	23.4	
Stage II	77	8.2	
Stage III	197	21.1	
Stage IV	432	46.2	
Unknown	8	0.9	
Occult	2	0.2	
Total	935	100	



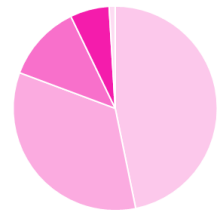
Melanoma of the skin

	Frequency	Percent	
Stage I	169	70.1	
Stage II	40	16.6	
Stage III	14	5.8	
Stage IV	14	5.8	
Unknown	4	1.7	
Total	241	100	



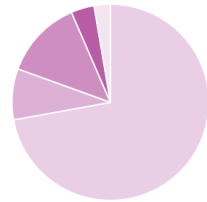
Breast

	Frequency	Percent	
Stage I	392	46.8	
Stage II	284	33.9	
Stage III	102	12.2	
Stage IV	52	6.2	
Unknown	8	1.0	
Total	838	100	



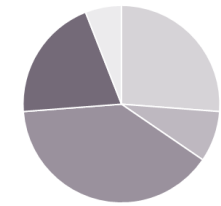
Corpus uteri

	Frequency	Percent	
Stage I	189	72.1	
Stage II	22	8.4	
Stage III	34	13.0	
Stage IV	10	3.8	
Unknown	7	2.7	
Total	262	100	



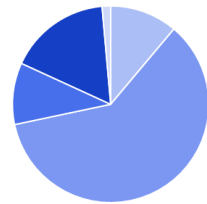
Ovary

	Frequency	Percent	
Stage I	22	26.2	
Stage II	7	8.3	
Stage III	33	39.3	
Stage IV	17	20.2	
Unknown	5	6.0	
Total	84	100	



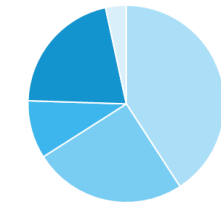
Prostate

	Frequency	Percent	
Stage I	79	11.1	
Stage II	430	60.6	
Stage III	72	10.1	
Stage IV	119	16.8	
Unknown	10	1.4	
Total	710	100	



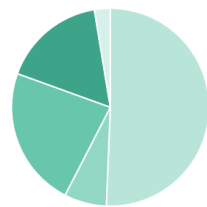
Bladder

	Frequency	Percent	
Stage I	60	40.8	
Stage II	37	25.2	
Stage III	14	9.5	
Stage IV	31	21.1	
Unknown	5	3.4	
Total	147	100	



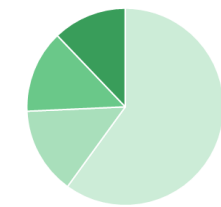
Kidney

	Frequency	Percent	
Stage I	117	50.7	
Stage II	16	6.9	
Stage III	53	22.9	
Stage IV	39	16.9	
Unknown	6	2.6	
Total	231	100	



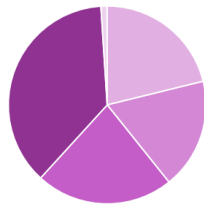
Thyroid

	Frequency	Percent	
Stage I	84	60.0	
Stage II	20	14.3	
Stage III	19	13.6	
Stage IV	17	12.1	
Unknown	0	0.0	
Total	140	100	



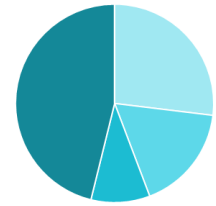
Non-Hodgkin lymphoma

	Frequency	Percent	
Stage I	62	21.2	
Stage II	53	18.1	
Stage III	66	22.5	
Stage IV	109	37.2	
Unknown	3	1.0	
Total	293	100	



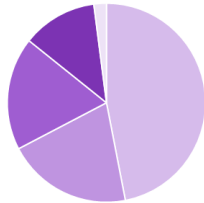
Tongue

	Frequency	Percent	
Stage I	14	26.9	
Stage II	9	17.3	
Stage III	5	9.6	
Stage IV	24	46.2	
Unknown	0	0.0	
Total	52	100	



Soft tissue (Including heart)

	Frequency	Percent	
Stage I	23	46.9	
Stage II	10	20.4	
Stage III	9	18.4	
Stage IV	6	12.2	
Unknown	1	2.0	
Total	49	100	



**In keeping with international coding conventions, all invasive brain tumours, multiple myeloma and leukemia are considered unstageable using the collaborative staging system utilized by all population-based North American Cancer Registries.*

Deaths by Underlying Cause in Manitoba

(Rate per 100,000)

CAUSES OF DEATH	2015			2014			2013		
	AMOUNT	Rate per MB Health Population	Rate per Statistics Canada Population	AMOUNT	Rate per MB Health Population	Rate per Statistics Canada Population	AMOUNT	Rate per MB Health Population	Rate per Statistics Canada Population
Accidents (V01-X59, Y85-Y86)	534	40.4	41.3	526	40.3	41.0	515	39.9	40.8
Cancer (C00-C97)	2765	209.3	213.7	2886	220.9	225.1	2,673	207.3	212.0
Cerebrovascular Disease (I60-I69)	596	45.1	46.1	651	49.8	50.8	608	47.2	48.2
Diabetes (E10-E14)	368	27.9	28.5	324	24.8	25.3	339	26.3	26.9
Diseases of the heart (I00-I09, I11, I13, I20-I25, I26-I51)	2136	161.8	165.1	2217	169.7	172.9	2076	161.0	164.6
Pneumonia (J12-J18)	228	17.3	17.6	226	17.3	17.6	220	17.1	17.4
Suicide (X60-X84, Y890)	173	13.1	13.4	176	13.5	13.7	158	12.3	12.5

Reference

¹ Vital Statistics Agency, 2015/16 Annual Report. Government of Manitoba; 2016. [cited Aug 8, 2017].

http://vitalstats.gov.mb.ca/pdf/2016_vs_annual_report_en.pdf

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(staff names of those presently employed in the Department and/or employed at the time research was undertaken are in bold)

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- (5) Alsubaie H, **Leggett C**, **Lambert P**, Park J, Hochman D, Wirtzfeld D, et al. Diagnosis of VTE postdischarge for major abdominal and pelvic oncologic surgery: implications for a change in practice. *Can J Surg* 2015;58:305-11.
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- (15) Harlos C, **Musto G**, **Lambert P**, **Ahmed R**, Pitz MW. Androgen pathway manipulation and survival in patients with lung cancer. *Horm Cancer* 2015;6:120-7.
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- (28) Zakaria D, Trudeau R, Sanmartin C, Murison P, Carriere G, MacIntyre M, et al. Using personal health insurance numbers to link the Canadian Cancer Registry and the Discharge Abstract Database. *Health Rep* 2015;26:3-11.

Appendix 1

INTERNATIONAL CLASSIFICATION OF DISEASES FOR ONCOLOGY

3rd Edition

PRIMARY SITE	SITE/ CELL TYPE	PRIMARY SITE	SITE/ CELL TYPE
Buccal cavity and pharynx	C00:C14	Male genital system	C60:C63
Lip	C000:C009	Prostate	C619
Tongue	C019:C029	Testis	C620:C629
Major salivary gland	C079:C089	Penis	C600:C609
Floor of mouth	C040:C049	Other male genital system	C630:C639
Gum & other mouth	C030:C039, C050:C059, C060:C069	Urinary system	C64:C68
Nasopharynx	C110:C119	Bladder (incl. in situ)	C670:C679
Oropharynx	C100:C109	Kidney and renal pelvis	C649, C659
Hypopharynx	C129, C130:C139	Ureter	C669
Other buccal cavity & pharynx	C090:C099, C140, C142:C148	Other urinary system	C680:C689
Digestive system	C15:C26	Eye	C690:C699
Esophagus	C150:C159	Brain & other nervous system	C70:C72
Stomach	C160:C169	Brain	C710:C719
Small intestine	C170:C179	Other nervous system	C710:C719 (953), C700:C709, C720:C729
Colon excluding rectum	C180:C189, C260	Endocrine	C73:C75
Rectum & Rectosigmoid	C199, C209	Thyroid	C739
Anus	C210:C212, C218	Other endocrine	C379, C740:C749, C750:C759
Liver	C220	Lymphomas	
Gallbladder	C239	Hodgkin lymphoma	9650-9667
Pancreas	C250:C259	Non-Hodgkin lymphoma	9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714-9719, 9724-9729, 9735, 9737, 9738
Other digestive system	C240:C249, C221, C480, C481:C482, C268:C269, C488		9811-9818 (except C420, C421, C424)
Respiratory system	C30:C39		9823 (except C420, C421, C424)
Larynx	C320:C329		9827 (except C420, C421, C424)
Lung & bronchus	C340:C349		9837 (except C420, C421, C424)
Other respiratory system	C300:C301, C310:C319, C384, C339, C381:C383, C388, C390:C399	Myeloma	9731-9732, 9734
Bones & joints	C400:C419	Leukemias	C42
Soft tissue (including heart)	C380, C470:C479, C490:C499	Acute lymphocytic	9826, 9835-9836
Mesothelioma	9050:9055		9811-9818 (only C421)
Kaposi sarcoma	9140		9837 (only C421)
Skin	C44	Chronic lymphocytic	9823 (only C421, if SLL C77)
Melanomas of the skin	C440:C449 (8720:8790)	Acute myeloid	9840, 9861, 9865-9867, 9869, 9871-9874, 9895-9897, 9898, 9910-9911, 9920,
Other skin	C440:C449		9891
Breast	C500:C509	Acute monocytic	9863, 9875-9876, 9945-9946
Female genital system	C51:C58	Chronic myeloid	9733, 9742, 9800, 9801, 9805-9809, 9820, 9831-9834, 9860, 9870, 9930, 9931, 9940, 9948, 9963, 9964
Cervix uteri	C530:C539	Other	9827 (only C421)
Corpus uteri	C540:C549		
Uterus, NOS	C559	Other, ill-defined, & unknown	9740-9741, 9750-9769, 9950, 9960-9962, 9965-9967, 9970-9971, 9975, 9980, 9982-9987, 9989, 9991-9992
Ovary	C569		C420-C424 (except 9050-9055, 9140, 9590-9992)
Other female genital	C529, C510:C519, C570:C589		C760-C768 (except 9050-9055, 9140, 9590-9992)
			C770-C779 (except 9050-9055, 9140, 9590-9992)
			C809 (except 9050-9055, 9140, 9590-9992)

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