

# Economic Burden of Illness in Canada

2010 - Canada - 15 to 34 - All Costs

	Male	Female	Total
	Cost	Cost	Cost

## Certain infectious and parasitic diseases

Clostridium difficile	390,932	1,281,913	1,672,845
Diarrhoea and gastroenteritis of presumed infectious origin	29,028,529	34,200,353	63,228,882
Human immunodeficiency virus [HIV] disease	6,267,182	4,676,995	10,944,177
Intestinal infectious diseases except diarrhoea (and C. difficile)	3,896,421	3,398,489	7,294,910
Other infectious and parasitic diseases	112,907,285	139,093,813	252,001,098
Septicaemia	11,043,455	11,569,091	22,612,546
Sexually Transmitted Diseases	14,589,274	17,866,682	32,455,956
Tuberculosis	3,501,889	7,652,859	11,154,748
<b>Totals for above Certain infectious and parasitic diseases</b>	<b>181,624,968</b>	<b>219,740,194</b>	<b>401,365,163</b>

## Neoplasms

Benign neoplasm of colon, rectum and anus	2,829,169	3,777,719	6,606,888
Carcinoma in situ	628,755	26,045,205	26,673,960
Hodgkin lymphoma	4,042,464	3,665,335	7,707,799
Leiomyoma of uterus	4,637	8,507,269	8,511,906
Leukaemia	11,749,002	73,092,553	84,841,555
Malignant neoplasm of bladder	578,703	317,786	896,489
Malignant neoplasm of brain	6,541,834	4,041,875	10,583,709
Malignant neoplasm of breast	31,219	6,550,932	6,582,151
Malignant neoplasm of colon, rectum and anus	2,683,819	2,221,149	4,904,968
Malignant neoplasm of esophagus	139,667	134,365	274,033
Malignant neoplasm of kidney	667,905	776,298	1,444,203
Malignant neoplasm of larynx	35,528	94,208	129,736
Malignant neoplasm of liver	319,161	552,391	871,551
Malignant neoplasm of ovary	2,259	1,964,762	1,967,021
Malignant neoplasm of pancreas	199,020	331,825	530,845
Malignant neoplasm of prostate	70,606	7,215	77,821
Malignant neoplasm of stomach	461,726	221,365	683,091
Malignant neoplasm of testis	9,882,996	3,476	9,886,472

Malignant neoplasm of thyroid	1,601,170	7,454,395	9,055,565
Malignant neoplasm of uterus - Cervix uteri	1,021	3,462,722	3,463,742
Malignant neoplasm of uterus - Other	3,217	573,515	576,732
Malignant neoplasms of lip, oral cavity and pharynx	1,340,181	808,244	2,148,425
Malignant neoplasms of skin - Melanoma	1,235,254	1,737,393	2,972,647
Malignant neoplasms of skin - Other	725,859	1,392,641	2,118,500
Malignant neoplasms of trachea, bronchus and lung	892,456	646,452	1,538,908
Multiple myeloma	120,507	244,158	364,665
Non-Hodgkin lymphoma	5,234,034	3,798,323	9,032,357
Other benign neoplasms and neoplasms of uncertain or unknown behaviour	36,126,707	93,464,501	129,591,208
Other malignant neoplasms	12,213,536	12,096,356	24,309,892
<b>Totals for above Neoplasms</b>	<b>100,362,410</b>	<b>257,984,429</b>	<b>358,346,838</b>

<b>Diseases of the blood &amp; bloodforming organs &amp; certain disorders involving the immune mechanism</b>			
Anaemias - Iron-deficiency anaemia	2,873,237	16,318,999	19,192,236
Anaemias - Other	10,593,945	12,440,775	23,034,719
Other diseases of blood & blood forming organs & certain disorders involving the immune mechanism	9,884,388	11,024,137	20,908,525
<b>Totals for above Diseases of the blood &amp; bloodforming organs &amp; certain disorders involving the immune mechanism</b>	<b>23,351,569</b>	<b>39,783,912</b>	<b>63,135,481</b>

<b>Endocrine, nutritional and metabolic diseases</b>			
Diabetes mellitus	99,751,680	172,414,592	272,166,272
Other endocrine, nutritional and metabolic diseases	21,308,534	40,891,083	62,199,617
<b>Totals for above Endocrine, nutritional and metabolic diseases</b>	<b>121,060,214</b>	<b>213,305,675</b>	<b>334,365,889</b>

<b>Mental and behavioural disorders</b>			
Dementia	326,928	188,950	515,878
Mental and behavioural disorders due to alcohol	28,834,712	16,125,279	44,959,991
Mental and behavioural disorders due to use of other psychoactive subst.	127,636,349	74,816,783	202,453,132
Mood [affective] disorders	199,331,616	360,898,829	560,230,445

Other mental and behavioural disorders	513,360,285	685,320,728	1,198,681,013
Schizophrenia, schizotypal and delusional disorders	363,425,577	105,975,705	469,401,282
<b>Totals for above Mental and behavioural disorders</b>	<b>1,232,915,468</b>	<b>1,243,326,274</b>	<b>2,476,241,742</b>

<b>Diseases of the nervous system</b>			
Alzheimer's disease	145,343	128,386	273,729
Bacterial meningitis	581,338	462,526	1,043,865
Epilepsy	18,334,374	16,769,693	35,104,067
Meningitis due to other organisms or of unspecified cause	862,490	1,117,905	1,980,396
Migraine	5,514,292	19,331,574	24,845,866
Multiple sclerosis	13,079,500	50,542,685	63,622,185
Other diseases of the nervous system	71,845,319	97,648,632	169,493,951
Parkinson disease and secondary parkinsonism	1,123,270	196,719	1,319,989
Transient cerebral ischaemic attacks and related syndromes	512,130	519,964	1,032,095
<b>Totals for above Diseases of the nervous system</b>	<b>111,998,058</b>	<b>186,718,085</b>	<b>298,716,142</b>

<b>Diseases of the eye and adnexa</b>			
Cataract	3,442,106	3,077,069	6,519,175
Other diseases of the eye and adnexa	66,982,745	89,019,093	156,001,837
<b>Totals for above Diseases of the eye and adnexa</b>	<b>70,424,851</b>	<b>92,096,161</b>	<b>162,521,012</b>

<b>Diseases of the ear and mastoid process</b>			
Hearing loss	3,906,358	5,444,931	9,351,288
Other diseases of the ear and mastoid process	21,711,857	29,618,803	51,330,660
Otitis media	16,686,560	18,601,205	35,287,765
<b>Totals for above Diseases of the ear and mastoid process</b>	<b>42,304,775</b>	<b>53,664,938</b>	<b>95,969,713</b>

<b>Diseases of the circulatory system</b>			
Acute but ill-defined stroke	1,961,880	1,380,031	3,341,911
Acute myocardial infarction	7,952,217	2,109,283	10,061,501
Angina pectoris	1,529,134	513,083	2,042,218
Atherosclerosis	858,095	3,080,617	3,938,713
Cerebral infarction	2,218,722	1,829,417	4,048,139
Conduction disorders and cardiac arrhythmias	26,381,728	24,261,316	50,643,044
Essential hypertension	7,307,099	7,570,116	14,877,215
Heart failure	3,174,648	2,196,875	5,371,523
Intracerebral haemorrhage	2,378,089	1,709,663	4,087,752

Other cerebrovascular diseases	1,502,441	1,930,716	3,433,157
Other diseases of the circulatory system	41,865,990	34,051,723	75,917,712
Other hypertensive diseases	1,642,409	1,129,741	2,772,150
Other ischaemic heart diseases	5,221,604	3,858,551	9,080,154
Pulmonary heart disease & diseases of pulmonary circulation	3,657,179	7,016,867	10,674,046
Subarachnoid haemorrhage	3,339,721	3,842,041	7,181,762
Varicose veins of lower extremities	38,858,788	55,430,145	94,288,933
<b>Totals for above Diseases of the circulatory system</b>	<b>149,849,744</b>	<b>151,910,185</b>	<b>301,759,929</b>

<b>Diseases of the respiratory system</b>			
Asthma	109,150,007	120,012,098	229,162,105
Bronchiectasis	17,733,396	20,652,515	38,385,911
Chronic diseases of tonsils and adenoids	15,778,640	35,054,053	50,832,693
Chronic obstructive pulmonary disease	3,485,791	4,576,290	8,062,081
Influenza	3,031,683	4,038,165	7,069,848
Other acute lower respiratory infections	15,810,420	26,814,031	42,624,450
Other acute upper respiratory infections	66,287,930	116,186,724	182,474,654
Other diseases of the respiratory system	35,149,840	22,881,602	58,031,442
Other diseases of upper respiratory tract	112,004,781	120,347,469	232,352,250
Pneumonia	19,342,472	25,718,324	45,060,796
<b>Totals for above Diseases of the respiratory system</b>	<b>397,774,961</b>	<b>496,281,269</b>	<b>894,056,230</b>

<b>Diseases of the digestive system</b>			
Alcoholic liver disease	2,202,220	1,749,678	3,951,898
Cholelithiasis	4,981,677	17,871,538	22,853,215
Crohn's disease and ulcerative colitis	48,365,815	52,580,138	100,945,953
Diseases of anus and rectum	27,534,600	26,431,987	53,966,587
Diseases of appendix	44,098,474	37,417,349	81,515,823
Diseases of oesophagus	19,827,762	16,806,809	36,634,571
Diseases of pancreas	120,124,732	142,191,569	262,316,301
Diseases of the teeth and supporting structures	52,802,288	60,096,028	112,898,316
Diverticular disease of intestine	3,936,243	1,431,888	5,368,131
Dyspepsia and other diseases of stomach and duodenum	58,352,460	56,634,190	114,986,650
Fibrosis and cirrhosis of liver	5,163,941	5,551,343	10,715,285

Inguinal hernia	43,811,482	3,644,312	47,455,794
Other abdominal hernia	17,707,033	19,996,058	37,703,091
Other diseases of gall bladder and biliary tract	10,570,392	15,390,170	25,960,562
Other diseases of intestine	15,477,299	28,035,405	43,512,704
Other diseases of liver	19,667,523	128,212,511	147,880,034
Other diseases of oral cavity, salivary glands and jaws	11,077,836	9,338,689	20,416,526
Other diseases of the digestive system	44,270	31,646	75,916
Other noninfective gastroenteritis and colitis	5,528,256	8,033,915	13,562,170
Paralytic ileus and intestinal obstruction without hernia	7,954,130	7,241,900	15,196,029
Peptic ulcer	12,543,237	10,361,103	22,904,340
<b>Totals for above Diseases of the digestive system</b>	<b>531,771,670</b>	<b>649,048,226</b>	<b>1,180,819,896</b>

<b>Diseases of the skin and subcutaneous tissue</b>			
Dermatitis, eczema and papulosquamous disorders	53,538,292	79,575,317	133,113,608
Infections of the skin and subcutaneous tissue	58,823,093	42,950,415	101,773,508
Other diseases of the skin and subcutaneous tissue	113,525,448	179,174,989	292,700,436
<b>Totals for above Diseases of the skin and subcutaneous tissue</b>	<b>225,886,833</b>	<b>301,700,720</b>	<b>527,587,553</b>

<b>Diseases of the musculoskeletal system and connective tissue</b>			
Coxarthrosis [arthrosis of hip]	1,190,007	1,089,126	2,279,133
Deforming dorsopathies and spondylopathies	38,409,852	19,944,870	58,354,722
Dorsalgia	36,996,727	38,009,426	75,006,153
Gonarthrosis [arthrosis of knee]	1,484,839	1,390,165	2,875,004
Gout	580,754	97,822	678,576
Internal derangement of knee	87,624,287	43,690,442	131,314,729
Intervertebral disc disorders	14,210,341	13,635,928	27,846,269
Osteoporosis	2,162,554	2,580,684	4,743,238
Other arthropathies	85,208,309	75,055,939	160,264,247
Other arthrosis	4,466,759	3,288,583	7,755,341
Other disorders of the musculoskeletal system and connective tissue	57,023,803	58,306,793	115,330,597
Rheumatoid arthritis	1,680,292	22,506,710	24,187,002
Soft tissue disorders	46,972,479	46,707,876	93,680,355
Systemic connective tissue disorders	2,226,950	30,596,261	32,823,212

<b>Totals for above Diseases of the musculoskeletal system and connective tissue</b>	<b>380,237,952</b>	<b>356,900,626</b>	<b>737,138,578</b>
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<b>Diseases of the genitourinary system</b>			
Acute renal failure	4,003,660	3,132,655	7,136,315
Chronic renal failure	15,475,110	11,105,795	26,580,905
Disorders of breast	13,659,110	67,003,406	80,662,517
Glomerular and renal tubulo-interstitial diseases	9,257,407	29,723,880	38,981,286
Hyperplasia of prostate	398,267	24,605	422,872
Inflammatory diseases of female pelvic organs	71,054	68,094,282	68,165,336
Menstrual, menopausal and other female genital conditions	94,349	138,188,039	138,282,388
Other diseases of male genital organs	41,993,821	123,004	42,116,826
Other diseases of the urinary system	22,836,517	120,226,940	143,063,457
Other disorders of the genitourinary system	3,994,787	284,306,630	288,301,416
Unspecified renal failure	1,551,692	1,459,579	3,011,271
Urolithiasis	25,069,321	31,965,721	57,035,042
<b>Totals for above Diseases of the genitourinary system</b>	<b>138,405,095</b>	<b>755,354,536</b>	<b>893,759,631</b>

<b>Pregnancy, childbirth and the puerperium</b>			
Maternal Sepsis	2,684	8,065,189	8,067,874
Medical abortion	935	13,230,059	13,230,995
Obstructed labour (Dystocia)	2,148	98,421,533	98,423,681
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium	2,141	72,577,924	72,580,064
Other complications of pregnancy predominantly during labour and delivery	22,266	438,650,029	438,672,295
Other complications of pregnancy predominantly in the antenatal period	61,038	728,647,305	728,708,342
Other complications predominantly related to the puerperium	36,063	12,869,024	12,905,087
Other delivery	0	6,253,452	6,253,452
Other obstetric conditions	65,431	236,565,919	236,631,351
Other pregnancy with abortive outcome	34,208	120,541,254	120,575,462
Single spontaneous delivery	12,110	186,421,393	186,433,503

<b>Totals for above Pregnancy, childbirth and the puerperium</b>	<b>239,024</b>	<b>1,922,243,082</b>	<b>1,922,482,106</b>
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<b>Certain conditions originating in the perinatal period</b>			
Birth asphyxia and birth trauma	375,835	649,069	1,024,904
Disorders related to short gestation and low birth weight	32,965	438,486	471,451
Other conditions originating in the perinatal period	164,476	6,128,713	6,293,189
Slow fetal growth and fetal malnutrition	4,445	116,869	121,315
<b>Totals for above Certain conditions originating in the perinatal period</b>	<b>577,721</b>	<b>7,333,137</b>	<b>7,910,858</b>

<b>Congenital malformations, deformations and chromosomal abnormalities</b>			
Congenital heart anomalies	12,666,490	13,187,752	25,854,242
Other congenital malformations, deformations and chromosomal abnormalities	15,402,993	22,848,975	38,251,967
<b>Totals for above Congenital malformations, deformations and chromosomal abnormalities</b>	<b>28,069,482</b>	<b>36,036,727</b>	<b>64,106,209</b>

<b>Symptoms, signs &amp; abnormal clinical &amp; laboratory findings, not elsewhere classified</b>			
Abdominal and pelvic pain	47,596,092	148,076,145	195,672,236
Other symptoms, signs and abnormal clinical and laboratory findings	257,283,629	383,625,676	640,909,305
Pain in throat and chest	25,506,112	22,405,097	47,911,209
Unknown and unspecified causes of morbidity (incl. those without a diagnosis)	10,590,399	19,476,471	30,066,870
<b>Totals for above Symptoms, signs &amp; abnormal clinical &amp; laboratory findings, not elsewhere classified</b>	<b>340,976,232</b>	<b>573,583,389</b>	<b>914,559,621</b>

<b>Injury, poisoning &amp; certain other consequences of external causes (injury coding type 1)</b>			
Burns and corrosions	17,776,847	3,721,806	21,498,653
Complications of surgical and medical care, not elsewhere classified	49,946,472	51,717,174	101,663,646
Fracture of femur	59,490,154	97,139,436	156,629,590
Fracture of forearm	22,601,578	12,799,354	35,400,931

Fracture of lower leg, including ankle	521,818,334	1,095,821,369	1,617,639,704
Intracranial injury	54,247,087	17,659,704	71,906,791
Other and unspecified effects of external causes	9,498,405	6,389,282	15,887,687
Other injuries	257,489,308	101,219,957	358,709,265
Other injuries to the head	66,440,251	17,599,437	84,039,688
Poisonings by drugs, medicaments & biological substances & toxic effects of substances chiefly ...	15,410,846	17,771,736	33,182,582
Sequelae of injuries, of poisoning and of other consequences of external causes	0	0	0
<b>Totals for above Injury, poisoning &amp; certain other consequences of external causes (injury coding type 1)</b>	<b>1,074,719,282</b>	<b>1,421,839,255</b>	<b>2,496,558,537</b>

<b>External causes of morbidity and mortality (injury coding type 2)</b>			
Drowning	581,474	27,335	608,809
Falls	418,053	57,713	475,766
Fires	138,795	42,039	180,834
Injuries of undetermined intent	1,472,098	523,079	1,995,177
Other intentional injuries	95,751	0	95,751
Other unintentional injuries	2,219,665	201,819	2,421,484
Poisonings	3,168,332	714,989	3,883,321
Road traffic accidents	5,371,750	1,000,464	6,372,214
Self-inflicted injuries	7,702,883	1,855,363	9,558,246
Violence	1,718,474	327,957	2,046,431
<b>Totals for above External causes of morbidity and mortality (injury coding type 2)</b>	<b>22,887,276</b>	<b>4,750,758</b>	<b>27,638,034</b>

<b>Factors influencing health status and contact with health services</b>			
Contraceptive management	25,631,131	58,812,797	84,443,928
Live born infants according to place of birth (healthy newborn babies)	0	0	0
Medical observation and evaluation for suspected diseases and conditions	52,103,785	636,513,533	688,617,318
Other factors influencing health status and contact with health services	841,832,429	1,316,676,389	2,158,508,817
Other medical care (including radiotherapy and chemotherapy sessions)	149,758,941	191,482,757	341,241,698



<b>Totals for above Factors influencing health status and contact with health services</b>	<b>1,069,326,285</b>	<b>2,203,485,476</b>	<b>3,272,811,761</b>
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<b>Totals</b>	<b>6,244,763,867</b>	<b>11,187,087,054</b>	<b>17,431,850,921</b>
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#### Notes:

1.	Please read the appropriate Economic Burden of Illness in Canada 2010 Report in order to understand the limitations of the data.
2.	Data are grouped by ICD-10 Chapter and diagnostic categories which are based on the International Short List of Hospital Morbidity Tabulation (ISHMT). Please see the EBIC 2010 Report for the diagnostic categories and associated ICD-10 codes.
3.	ICD Chapter XIX, Injury, poisoning and certain other consequences of external causes (Injury coding type 1) and Chapter XX, External causes of morbidity and mortality (Injury coding type 2) have been combined. Note that Mortality data was originally classified according to Chapter XX only, while the other data were classified by Chapter XIX.
4.	Drug costs for the territories are not available.