Economic Burden of Illness in Canada

2010 - Canada - All Ages - All Costs

	Male	Female	Total
	Cost	Cost	Cost
Certain infectious and parasitic diseases			
Clostridium difficile	35,628,215	51,141,359	86,769,573
Diarrhoea and gastroenteritis of presumed infectious origin	132,329,852	165,845,978	298,175,830
Human immunodeficiency virus [HIV] disease	155,899,894	39,727,342	195,627,236
Intestinal infectious diseases except diarrhoea (and C. difficile)	29,165,892	33,898,567	63,064,459
Other infectious and parasitic diseases	533,586,840	501,885,866	1,035,472,706
Septicaemia	276,786,497	226,271,968	503,058,466
Sexually Transmitted Diseases	23,157,210	25,319,898	48,477,108
Tuberculosis	18,747,438	21,276,897	40,024,334
Totals for above Certain infectious and parasitic diseases	**1,205,301,838**	**1,065,367,875**	**2,270,669,713**
Neoplasms			
Benign neoplasm of colon, rectum and anus	124,634,872	91,396,075	216,030,947
Carcinoma in situ	36,624,923	94,178,073	130,802,996
Hodgkin lymphoma	15,224,023	9,532,317	24,756,340
Leiomyoma of uterus	37,126	117,918,444	117,955,570
Leukaemia	111,982,642	184,754,908	296,737,550
Malignant neoplasm of bladder	112,328,981	37,105,034	149,434,015
Malignant neoplasm of brain	75,375,633	56,542,733	131,918,365
Malignant neoplasm of breast	2,356,127	269,436,139	271,792,266
Malignant neoplasm of colon, rectum and anus	288,820,699	221,587,685	510,408,384
Malignant neoplasm of esophagus	49,888,946	12,717,156	62,606,102
Malignant neoplasm of kidney	60,877,428	33,282,414	94,159,842
Malignant neoplasm of larynx	30,504,092	5,662,724	36,166,816
Malignant neoplasm of liver	27,915,012	7,955,878	35,870,890
Malignant neoplasm of ovary	48,430	66,093,117	66,141,547
Malignant neoplasm of pancreas	47,313,738	41,080,026	88,393,764
Malignant neoplasm of prostate	301,471,730	182,104	301,653,834
Malignant neoplasm of stomach	57,744,750	28,467,111	86,211,860
Malignant neoplasm of testis	15,537,835	29,012	15,566,847

Malignant neoplasm of thyroid	28,289,528	51,066,436	79,355,964
Malignant neoplasm of uterus - Cervix uteri	38,842	23,749,420	23,788,262
Malignant neoplasm of uterus - Other	23,255	61,183,618	61,206,873
Malignant neoplasms of lip, oral cavity and pharynx	64,576,181	29,127,288	93,703,469
Malignant neoplasms of skin - Melanoma	25,144,255	15,715,072	40,859,327
Malignant neoplasms of skin - Other	65,896,221	48,987,556	114,883,776
Malignant neoplasms of trachea, bronchus and lung	241,458,268	213,763,364	455,221,631
Multiple myeloma	56,190,367	48,589,177	104,779,545
Non-Hodgkin lymphoma	90,030,822	66,519,315	156,550,137
Other benign neoplasms and neoplasms of uncertain or unknown behaviour	274,996,233	557,355,556	832,351,789
Other malignant neoplasms	388,728,949	605,775,585	994,504,534
Totals for above Neoplasms	**2,594,059,907**	**2,999,753,333**	**5,593,813,240**

Diseases of the blood & bloodforming organs & certain disorders involving the immune mechanism			
Anaemias - Iron-deficiency anaemia	66,932,892	136,636,749	203,569,642
Anaemias - Other	111,448,561	114,369,314	225,817,875
Other diseases of blood & blood forming organs & certain disorders involving the immune mechanism	86,892,568	81,018,474	167,911,042
Totals for above Diseases of the blood & bloodforming organs & certain disorders involving the immune mechanism	**265,274,021**	**332,024,538**	**597,298,559**

Endocrine, nutritional and metabolic diseases			
Diabetes mellitus	2,792,155,086	2,266,464,472	5,058,619,559
Other endocrine, nutritional and metabolic diseases	169,298,277	262,977,527	432,275,804
Totals for above Endocrine, nutritional and metabolic diseases	**2,961,453,363**	**2,529,441,999**	**5,490,895,363**

Mental and behavioural disorders			
Dementia	266,636,053	314,712,712	581,348,765
Mental and behavioural disorders due to alcohol	181,178,087	78,332,233	259,510,320
Mental and behavioural disorders due to use of other psychoactive subst.	324,609,088	197,910,323	522,519,410
Mood [affective] disorders	907,158,690	1,559,901,565	2,467,060,255

Other mental and behavioural disorders	2,491,571,492	2,535,259,726	5,026,831,218
Schizophrenia, schizotypal and delusional disorders	955,437,717	628,334,080	1,583,771,796
Totals for above Mental and behavioural disorders	**5,126,591,125**	**5,314,450,639**	**10,441,041,764**

Diseases of the nervous system			
Alzheimer's disease	149,082,140	178,405,900	327,488,040
Bacterial meningitis	11,301,791	6,686,207	17,987,998
Epilepsy	94,655,427	85,003,798	179,659,225
Meningitis due to other organisms or of unspecified cause	4,771,645	4,153,613	8,925,258
Migraine	20,193,498	60,093,568	80,287,066
Multiple sclerosis	73,732,772	244,253,009	317,985,781
Other diseases of the nervous system	719,997,190	804,017,044	1,524,014,235
Parkinson disease and secondary parkinsonism	115,515,446	65,596,465	181,111,911
Transient cerebral ischaemic attacks and related syndromes	50,598,472	51,693,284	102,291,756
Totals for above Diseases of the nervous system	**1,239,848,382**	**1,499,902,889**	**2,739,751,270**

Diseases of the eye and adnexa			
Cataract	388,728,906	524,594,681	913,323,586
Other diseases of the eye and adnexa	744,743,894	876,544,942	1,621,288,836
Totals for above Diseases of the eye and adnexa	**1,133,472,799**	**1,401,139,623**	**2,534,612,422**

Diseases of the ear and mastoid process			
Hearing loss	38,770,137	41,730,515	80,500,653
Other diseases of the ear and mastoid process	132,714,927	154,671,937	287,386,864
Otitis media	188,989,279	153,940,817	342,930,096
Totals for above Diseases of the ear and mastoid process	**360,474,344**	**350,343,269**	**710,817,613**

Diseases of the circulatory system			
Acute but ill-defined stroke	113,332,486	95,976,688	209,309,174
Acute myocardial infarction	899,934,416	406,768,565	1,306,702,980
Angina pectoris	223,068,357	107,303,997	330,372,353
Atherosclerosis	89,124,689	87,671,393	176,796,081
Cerebral infarction	193,634,106	170,185,328	363,819,434
Conduction disorders and cardiac arrhythmias	596,569,191	447,624,108	1,044,193,299
Essential hypertension	262,249,021	301,723,215	563,972,236
Heart failure	332,260,543	321,187,459	653,448,002
Intracerebral haemorrhage	142,920,185	114,517,906	257,438,091

Other cerebrovascular diseases	78,828,759	63,066,636	141,895,395
Other diseases of the circulatory system	759,928,213	501,548,933	1,261,477,147
Other hypertensive diseases	139,714,491	95,980,787	235,695,278
Other ischaemic heart diseases	897,179,220	306,328,457	1,203,507,677
Pulmonary heart disease & diseases of pulmonary circulation	84,794,969	101,448,171	186,243,140
Subarachnoid haemorrhage	45,991,146	68,824,357	114,815,502
Varicose veins of lower extremities	2,841,437,811	2,234,727,773	5,076,165,584
Totals for above Diseases of the circulatory system	**7,700,967,602**	**5,424,883,772**	**13,125,851,374**

Diseases of the respiratory system			
Asthma	614,551,041	630,876,731	1,245,427,771
Bronchiectasis	95,454,977	108,613,325	204,068,302
Chronic diseases of tonsils and adenoids	101,183,161	121,902,358	223,085,519
Chronic obstructive pulmonary disease	385,037,988	385,825,649	770,863,637
Influenza	23,957,885	26,464,654	50,422,539
Other acute lower respiratory infections	161,562,200	180,860,599	342,422,798
Other acute upper respiratory infections	289,631,058	381,252,739	670,883,797
Other diseases of the respiratory system	501,726,930	372,178,120	873,905,050
Other diseases of upper respiratory tract	695,457,662	630,128,533	1,325,586,195
Pneumonia	424,239,640	405,825,718	830,065,359
Totals for above Diseases of the respiratory system	**3,292,802,542**	**3,243,928,425**	**6,536,730,968**

Diseases of the digestive system			
Alcoholic liver disease	88,808,591	37,636,893	126,445,485
Cholelithiasis	69,220,449	88,364,298	157,584,747
Crohn's disease and ulcerative colitis	161,572,683	166,098,489	327,671,172
Diseases of anus and rectum	204,122,532	187,384,199	391,506,731
Diseases of appendix	139,542,466	118,195,619	257,738,085
Diseases of oesophagus	132,781,643	118,484,478	251,266,121
Diseases of pancreas	857,929,875	870,872,775	1,728,802,650
Diseases of the teeth and supporting structures	305,385,031	290,745,100	596,130,130
Diverticular disease of intestine	95,611,516	119,310,665	214,922,180
Dyspepsia and other diseases of stomach and duodenum	253,638,236	362,698,931	616,337,167
Fibrosis and cirrhosis of liver	100,952,192	88,556,320	189,508,512

Inguinal hernia	252,323,221	30,197,392	282,520,613
Other abdominal hernia	153,282,451	158,094,092	311,376,542
Other diseases of gall bladder and biliary tract	118,757,006	102,580,542	221,337,548
Other diseases of intestine	192,916,534	258,481,457	451,397,991
Other diseases of liver	155,272,021	368,487,114	523,759,135
Other diseases of oral cavity, salivary glands and jaws	49,098,902	55,602,596	104,701,498
Other diseases of the digestive system	1,673,819	434,691	2,108,510
Other noninfective gastroenteritis and colitis	28,378,291	42,262,904	70,641,195
Paralytic ileus and intestinal obstruction without hernia	142,722,336	170,892,816	313,615,151
Peptic ulcer	97,909,812	96,372,845	194,282,657
Totals for above Diseases of the digestive system	**3,601,899,607**	**3,731,754,215**	**7,333,653,821**

Diseases of the skin and subcutaneous tissue			
Dermatitis, eczema and papulosquamous disorders	349,371,453	377,794,185	727,165,638
Infections of the skin and subcutaneous tissue	275,951,544	239,377,654	515,329,199
Other diseases of the skin and subcutaneous tissue	351,583,078	477,286,771	828,869,850
Totals for above Diseases of the skin and subcutaneous tissue	**976,906,076**	**1,094,458,611**	**2,071,364,686**

Diseases of the musculoskeletal system and connective tissue			
Coxarthrosis [arthrosis of hip]	129,845,490	151,537,716	281,383,206
Deforming dorsopathies and spondylopathies	264,501,890	220,469,567	484,971,457
Dorsalgia	262,457,177	284,908,205	547,365,382
Gonarthrosis [arthrosis of knee]	190,153,553	274,425,388	464,578,941
Gout	14,559,916	5,817,865	20,377,781
Internal derangement of knee	190,277,722	124,659,559	314,937,281
Intervertebral disc disorders	131,276,545	117,237,718	248,514,263
Osteoporosis	62,704,630	459,723,249	522,427,879
Other arthropathies	453,673,747	848,706,275	1,302,380,022
Other arthrosis	132,373,825	200,701,298	333,075,123
Other disorders of the musculoskeletal system and connective tissue	402,131,019	582,620,494	984,751,513
Rheumatoid arthritis	134,200,760	287,028,889	421,229,649
Soft tissue disorders	300,760,084	317,516,953	618,277,037
Systemic connective tissue disorders	34,314,794	118,599,139	152,913,933

Totals for above Diseases of the musculoskeletal system and connective tissue	**2,703,231,153**	**3,993,952,316**	**6,697,183,469**

Diseases of the genitourinary system			
Acute renal failure	120,406,838	98,143,425	218,550,263
Chronic renal failure	229,829,221	165,316,871	395,146,093
Disorders of breast	23,006,194	210,041,755	233,047,949
Glomerular and renal tubulo-interstitial diseases	103,002,881	159,249,595	262,252,476
Hyperplasia of prostate	348,454,762	234,737	348,689,498
Inflammatory diseases of female pelvic organs	266,369	141,066,648	141,333,017
Menstrual, menopausal and other female genital conditions	554,982	531,743,561	532,298,543
Other diseases of male genital organs	272,191,737	506,005	272,697,741
Other diseases of the urinary system	305,231,527	682,893,719	988,125,246
Other disorders of the genitourinary system	25,325,754	921,961,740	947,287,494
Unspecified renal failure	23,369,142	18,488,445	41,857,587
Urolithiasis	217,542,683	153,131,640	370,674,322
Totals for above Diseases of the genitourinary system	**1,669,182,090**	**3,082,778,141**	**4,751,960,231**

Pregnancy, childbirth and the puerperium			
Maternal Sepsis	19,934	10,433,230	10,453,164
Medical abortion	5,566	16,190,510	16,196,076
Obstructed labour (Dystocia)	108,616	123,023,647	123,132,263
Oedema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium	30,290	96,103,510	96,133,799
Other complications of pregnancy predominantly during labour and delivery	486,959	544,145,082	544,632,041
Other complications of pregnancy predominantly in the antenatal period	1,314,723	955,366,330	956,681,053
Other complications predominantly related to the puerperium	275,719	16,381,547	16,657,265
Other delivery	230,955	8,741,053	8,972,008
Other obstetric conditions	525,538	290,374,690	290,900,229
Other pregnancy with abortive outcome	260,603	162,909,760	163,170,363
Single spontaneous delivery	211,137	242,374,261	242,585,398

Totals for above Pregnancy, childbirth and the puerperium	**3,470,039**	**2,466,043,620**	**2,469,513,659**

Certain conditions originating in the perinatal period			
Birth asphyxia and birth trauma	120,727,708	80,373,952	201,101,660
Disorders related to short gestation and low birth weight	330,761,536	280,714,224	611,475,760
Other conditions originating in the perinatal period	133,712,960	113,172,673	246,885,634
Slow fetal growth and fetal malnutrition	5,931,065	6,387,215	12,318,281
Totals for above Certain conditions originating in the perinatal period	**591,133,270**	**480,648,064**	**1,071,781,335**

Congenital malformations, deformations and chromosomal abnormalities			
Congenital heart anomalies	169,385,976	148,937,286	318,323,262
Other congenital malformations, deformations and chromosomal abnormalities	264,797,217	195,093,639	459,890,856
Totals for above Congenital malformations, deformations and chromosomal abnormalities	**434,183,193**	**344,030,925**	**778,214,118**

Symptoms, signs & abnormal clinical & laboratory findings, not elsewhere classified			
Abdominal and pelvic pain	227,583,288	452,601,251	680,184,540
Other symptoms, signs and abnormal clinical and laboratory findings	2,352,418,413	2,715,970,540	5,068,388,953
Pain in throat and chest	249,446,948	251,262,437	500,709,385
Unknown and unspecified causes of morbidity (incl. those without a diagnosis)	317,466,281	460,918,072	778,384,353
Totals for above Symptoms, signs & abnormal clinical & laboratory findings, not elsewhere classified	**3,146,914,930**	**3,880,752,300**	**7,027,667,230**

Injury, poisoning & certain other consequences of external causes (injury coding type 1)			
Burns and corrosions	61,284,676	23,674,480	84,959,156
Complications of surgical and medical care, not elsewhere classified	499,439,121	465,301,941	964,741,062
Fracture of femur	537,681,971	875,118,009	1,412,799,981
Fracture of forearm	92,150,103	108,361,174	200,511,276

Fracture of lower leg, including ankle	3,692,550,812	5,396,558,049	9,089,108,861
Intracranial injury	217,289,570	101,293,284	318,582,854
Other and unspecified effects of external causes	49,962,100	33,202,946	83,165,046
Other injuries	783,314,451	538,734,145	1,322,048,596
Other injuries to the head	195,446,237	80,744,136	276,190,373
Poisonings by drugs, medicaments & biological substances & toxic effects of substances chiefly ...	61,241,108	71,292,273	132,533,381
Sequelae of injuries, of poisoning and of other consequences of external causes	0	0	0
Totals for above Injury, poisoning & certain other consequences of external causes (injury coding type 1)	**6,190,360,148**	**7,694,280,439**	**13,884,640,586**

External causes of morbidity and mortality (injury coding type 2)			
Drowning	2,088,059	308,410	2,396,469
Falls	5,249,869	739,078	5,988,948
Fires	1,331,805	390,840	1,722,645
Injuries of undetermined intent	7,065,086	2,742,812	9,807,898
Other intentional injuries	239,605	13,462	253,067
Other unintentional injuries	10,830,238	1,290,848	12,121,086
Poisonings	16,501,988	4,609,116	21,111,105
Road traffic accidents	17,470,516	4,033,499	21,504,015
Self-inflicted injuries	40,594,756	8,408,532	49,003,288
Violence	4,699,294	1,018,599	5,717,893
Totals for above External causes of morbidity and mortality (injury coding type 2)	**106,071,217**	**23,555,196**	**129,626,413**

Factors influencing health status and contact with health services			
Contraceptive management	60,089,206	94,369,630	154,458,837
Live born infants according to place of birth (healthy newborn babies)	142,206,341	140,609,614	282,815,955
Medical observation and evaluation for suspected diseases and conditions	451,513,801	1,237,485,552	1,688,999,353
Other factors influencing health status and contact with health services	4,778,739,410	4,918,506,919	9,697,246,329
Other medical care (including radiotherapy and chemotherapy sessions)	1,950,921,686	2,364,847,842	4,315,769,528

Totals for above Factors influencing health status and contact with health services	**7,383,470,445**	**8,755,819,557**	**16,139,290,002**

Totals	**52,687,068,092**	**59,709,309,744**	**112,396,377,836**

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.