

**S2 Figure. Ten most prevalent conditions in each of the 12 defined person-centred categories**

Categories	Codes	Description of code	Number (%) within the category
<i>Pregnancy</i>	<b>ICD-10</b>	<b><i>Data is captured from the Canadian Institute for Health Information-Discharge Abstract Database (CIHI-DAD). These codes reflect the Most Responsible Diagnosis.</i></b>	
	O68	Labour and delivery complicated by fetal stress [distress]	1,921 (10.6)
	O34	Maternal care for known or suspected abnormality of pelvic organs	1,584 (8.8)
	O62	Abnormalities of forces of labour	1,139 (6.3)
	O60	Preterm delivery	1055 (5.8)
	O99	Other maternal diseases classifiable elsewhere but complicating pregnancy, childbirth and puerperium	1,032 (5.7)
	O42	Premature rupture of membranes	964 (5.3)
	O13	Gestational [pregnancy-induced] hypertension without significant proteinuria	908 (5.0)
	O32	Maternal care for known or suspected malpresentation of fetus	823 (4.5)
	O70	Perineal laceration during delivery	658 (3.6)
O64	Obstructed labour due to malposition and malpresentation of fetus	650 (3.6)	
<i>Low Birth Weight, Other Perinatal and Congenital Conditions</i>	<b>ICD-10</b>	<b><i>Data is captured in CIHI-DAD. These codes reflect the Most Responsible Diagnosis</i></b>	
	P07	Disorders related to short gestation and low birth weight, not elsewhere classified	4,806 (44.9)
	Z38	Liveborn infants according to place of birth	879 (8.2)
	P22	Respiratory distress of newborn	855 (8.0)
	P96	Other conditions originating in the perinatal period	219 (2.0)
	Q21	Congenital malformations of cardiac septa	212 (2.0)
	P28	Other respiratory conditions originating in the perinatal period	183 (1.7)
	P59	Neonatal jaundice from other and unspecified causes	146 (1.4)
	P05	Slow fetal growth and fetal malnutrition	121 (1.1)
	P24	Neonatal aspiration syndromes	113 (1.1)
Q25	Congenital malformations of great arteries	109 (1.0)	
<i>Post-Admission Events</i>	<b>ICD-10</b>	<b><i>Data is captured in CIHI-DAD. These codes reflect all cases with a Type 2 classification and/or any of the selected diagnosis codes of external causes of injury.</i></b>	
	T81	Complications of procedures, not elsewhere classified	8,459 (11.3)
	T84	Complications of internal orthopaedic prosthetic devices, implants and grafts	3,692 (4.9)
	N39*	Other disorders of urinary system	3,515 (4.7)
	E87*	Other disorders of fluid, electrolyte and acid-base balance	2,739 (3.6)
	T82	Complications of cardiac and vascular prosthetic devices, implants and grafts	2,705 (3.6)
	K91*	Post procedural disorders of digestive system, not elsewhere classified	2,364 (3.1)
	I48*	Atrial fibrillation and flutter	2,152 (2.9)
	T85	Complications of other internal prosthetic devices, implants and grafts	1,562 (2.1)
	J18*	Pneumonia, organism unspecified	1,534 (2.0)
I95*	Hypotension	1,468 (2.0)	

<p><i>Trauma, Accidents, Injuries and Poisonings</i></p>	<p><b>ICD-10</b></p>	<p><b><i>Data is captured from two sources, CIHI-DAD and the National Ambulatory Reporting System (NACRS). These codes reflect any of the diagnosis codes related to trauma, accidents, poisoning, or injuries.</i></b></p>	
	S72	Fracture of femur	10,210 (23)
	S82	Fracture of lower leg, including ankle	4,553 (10.3)
	S06	Intracranial injury	3,034 (6.8)
	S32	Fracture of lumbar spine and pelvis	3,009 (6.8)
	S42	Fracture of shoulder and upper arm	1,909 (4.3)
	X61	Intentional self-poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified	1,569 (3.5)
	S22	Fracture of rib(s), sternum and thoracic spine	1,547 (3.5)
	S52	Fracture of forearm	1,306 (2.9)
	S02	Fracture of skull and facial bones	769 (1.7)
	S09	Other and unspecified injuries of head	716 (1.6)
<p><i>Mental Illness and Addictions</i></p>	<p><b>ICD 10-DAD</b></p>	<p><b><i>Data is captured from three sources, CIHI-DAD, NACRS, and the Ontario Mental Health Reporting System (OHMRS). Within the CIHI-DAD and NACRS, codes reflect the most responsible diagnosis. All admissions were included for OHMRS.</i></b></p>	
	F05	Delirium, not induced by alcohol and other psychoactive substances	1,581 (13.3)
	F32	Depressive episode	1,401 (11.8)
	F10	Mental and behavioural disorders due to use of alcohol	1,297 (10.9)
	F03	Unspecified dementia	1,208 (10.2)
	F43	Reaction to severe stress, and adjustment disorders	870 (7.3)
	K70	Alcoholic liver disease	838 (7.1)
	G30	Alzheimer's disease	569 (4.8)
	F41	Other anxiety disorders	499 (4.2)
	F50	Eating disorders	277 (2.3)
	F29	Unspecified nonorganic psychosis	245 (2.1)
	<p><b>ICD9-OMHRS</b></p>		
	296	Manic depressive psychosis, involuntal melancholia	9,997 (33.9)
	295	Schizophrenia	7,859 (26.7)
	missing	Missing	2,367 (8.0)
	298	Other psychoses	1,485 (5.0)
	300	Anxiety neurosis, hysteria, neurasthenia, obsessive compulsive neurosis, reactive depression	1,106 (3.8)
	292	Drug psychosis	1,066 3.6
	294	Amnestic syndrome	797 2.7
	309	Adjustment reaction	741 2.5
	303	Alcoholism	733 2.5
	304	Drug dependence, drug addiction	633 2.1

<p><i>Ambulatory Care Sensitive Conditions</i></p>	<p>J44 I50 I20 N39 E11 E10 G40 L03 J45 R56</p>	<p><b>Data is captured from CIHI-DAD. Codes reflect the most responsible diagnosis.</b></p> <p>Other chronic obstructive pulmonary disease Heart failure Angina pectoris Other disorders of urinary system Type 2 Diabetes mellitus Type 1 Diabetes mellitus Epilepsy Cellulitis Asthma Convulsions, not elsewhere classified</p>	<p>6,976 (25.9) 3,779 (14) 2,386 (8.9) 1,925 (7.2) 1,631 (6.1) 1,228 (4.6) 1,218 (4.5) 1,150 (4.3) 968 (3.6) 948 (3.5)</p>
<p><i>Cancer</i></p>	<p>C50 C67 C61 C18 C34 C78 C44 C79 C20 C73</p>	<p><b>Data is captured from CIHI-DAD and Same Day Surgery (SDS). Codes reflect the most responsible diagnosis.</b></p> <p>Malignant neoplasm of breast Malignant neoplasm of bladder Malignant neoplasm of prostate Malignant neoplasm of colon Malignant neoplasm of bronchus and lung Secondary malignant neoplasm of respiratory and digestive organs Other malignant neoplasms of skin Secondary malignant neoplasm of other sites Malignant neoplasm of rectum Malignant neoplasm of thyroid gland</p>	<p>7,806 (15.1) 4,880 (9.4) 4,278 (8.3) 4,234 (8.2) 4,123 (8) 2,323 (4.5) 2,056 (4) 2,048 (4) 1,889 (3.6) 1,752 (3.4)</p>
<p><i>Acute Planned Surgical</i></p>	<p>M17 H26 I25 D12 M16 Z08 H25 Z12 N40 Z09</p>	<p><b>Data is captured from CIHI-DAD and Same Day Surgery (SDS). Codes reflect the all planned surgeries, excluding cancer.</b></p> <p>Gonarthrosis [arthrosis of knee] Other cataract Chronic ischaemic heart disease Benign neoplasm of colon, rectum, anus and anal canal Coxarthrosis [arthrosis of hip] Follow-up examination after treatment for malignant neoplasm Senile cataract Special screening examination for neoplasms Hyperplasia of prostate Follow-up examination after treatment for conditions other than malignant neoplasms</p>	<p>17,137 (7.0) 16,754 (6.8) 10,816 (4.4) 8,748 (3.6) 8,585 (3.5) 7,660 (3.1) 5,741 (2.3) 4,850 (2) 4,799 (2) 4,466 (1.8)</p>
<p><i>Acute Planned Medical</i></p>	<p>Z53 Z51 I25 Z54 Z75</p>	<p><b>Data is captured from CIHI-DAD. Codes reflect the major clinical category, excluding cancer.</b></p> <p>Persons encountering health services for specific procedures, not carried out Other medical care Chronic ischaemic heart disease Convalescence Problems related to medical facilities and other health care</p>	<p>2,141 (27.5) 1,197 (15.4) 388 (5) 220 (2.8) 126 (1.6)</p>

	J18 I21 E84 I48 Z50	Pneumonia, organism unspecified Acute myocardial infarction Cystic fibrosis Atrial fibrillation and flutter Care involving use of rehabilitation procedures	96 (1.2) 94 (1.2) 88 (1.1) 87 (1.1) 85 (1.1)
<i>Acute Unplanned Surgical</i>		<b>Data is captured from CIHI-DAD. Codes reflect the major clinical category.</b>	
	I21 K35 K80 K56 I25 I44 I20 N20 N13 K85	Acute myocardial infarction Acute appendicitis Cholelithiasis Paralytic ileus and intestinal obstruction without hernia Chronic ischaemic heart disease Atrioventricular and left bundle-branch block Angina pectoris Calculus of kidney and ureter Obstructive and reflux uropathy Acute pancreatitis	5,502 (19.3) 2,327 (8.1) 2,281 (8.0) 1,019 (3.6) 1,010 (3.5) 889 (3.1) 649 (2.3) 597 (2.1) 547 (1.9) 470 (1.6)
<i>Acute Unplanned Medical</i>		<b>Data is captured from CIHI-DAD. Codes reflect the major clinical category.</b>	
	I21 J18 I50 J44 I63 Z51 R07 I48 K56 N39	Acute myocardial infarction Pneumonia, organism unspecified Heart failure Other chronic obstructive pulmonary disease Cerebral infarction Other medical care Pain in throat and chest Atrial fibrillation and flutter Paralytic ileus and intestinal obstruction without hernia Other disorders of urinary system	8,741 (6) 7,816 (5.4) 6,867 (4.7) 6,825 (4.7) 5,200 (3.6) 5,140 (3.5) 4,323 (3.0) 4,094 (2.8) 3,347 (2.3) 2,951 (2.0)