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Preface

Health Indicators 2006 represents the latest in a series of reports highlighting the most recently available information about the health care system and the health of the population in Canada's largest regions, provinces and territories. In this edition, key indicators describing health system performance and characteristics are provided for all health regions with a population over 75,000, covering approximately 95% of the population. In addition, a selection of measures of health status and the non-medical determinants of health are included and illustrate the range of indicators that are now available.

New for this report is the rate of percutaneous coronary intervention (PCI), an indicator that complements coronary artery bypass rates, both of which are techniques used to improve blood flow to the heart muscle. Although rates are shown for each technique, the map on pages 24 and 25 combines PCI and bypass cases to present a complete revascularization picture, region by region.

This year, rates for most indicators and jurisdictions are provided for two years: 2003–2004 and 2004–2005. Now that most jurisdictions are submitting hospitalization data to the Discharge Abstract Database, it is possible to prepare indicator rates using more timely data than were available in the past. Also, trend data covering the period from 1999 to 2004 for 30-day mortality following a heart attack or stroke are included and supplement the special focus on these conditions covered in the companion *Health Care in Canada 2006* report.

The Health Indicators Project has benefited greatly from consultations with our stakeholders across the country. The assistance offered by many individuals in health regions and provinces and territories who reviewed these indicators and offered useful suggestions is gratefully acknowledged.

As always, we welcome your comments about this publication. Please send your suggestions about the indicators or priorities for future indicator development to indicators@cihi.ca.

Using This Report

Rates are provided for all health regions with populations of at least 75,000 as of July 1, 2003.

Confidence intervals are provided for most indicators to aid interpretation. The width of the confidence interval illustrates the degree of variability associated with the rate. Indicator values are estimated to be accurate within the upper and lower confidence interval 19 times out of 20 (95% confidence interval).

Please see the back of this report for important interpretive notes.

Symbols and Abbreviations Used in This Report

--	Figures not available
*	Data were suppressed due to small numbers
▼	Interpret with caution
95% CI	95% confidence interval
♦	Statistically different from the overall average ($p \leq 0.05$)
♦♦	Statistically different from the 2000 regional rate ($p \leq 0.05$)
ASSS	Agence de santé et de services sociaux
HSDA	Health Service Delivery Area
LHIN	Local Health Integration Network
RHA	Regional Health Authority

Health Indicator Framework

HEALTH STATUS

How healthy are Canadians?

Health status can be measured in a variety of ways, including well-being, health conditions, disability or death.

Well-Being	Health Conditions	Human Function	Deaths
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NON-MEDICAL DETERMINANTS OF HEALTH

Non-medical determinants of health are known to affect our health and, in some cases, when and how we use health care.

Health Behaviours	Living and Working Conditions	Personal Resources	Environmental Factors
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HEALTH SYSTEM PERFORMANCE

How healthy is the health care system?

These indicators measure various aspects of the quality of health care.

Acceptability	Accessibility	Appropriateness	Competence
Continuity	Effectiveness	Efficiency	Safety

COMMUNITY AND HEALTH SYSTEM CHARACTERISTICS

These measures provide useful contextual information, but are not direct measures of health status or the quality of health care.

Community	Health System	Resources
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EQUITY

Map Code	Health Region	Legend Name	Population ('000), 2004	% Population Age 65+, 2004	Dependency Ratio, 2004
Newfoundland and Labrador					
1011	Eastern Regional Integrated Health Authority	N.L. Eastern, N.L.	517 298	12.9 12.4	40.5 39.2
1012	Central Regional Integrated Health Authority	Central, N.L.	100	15.0	43.4
1013	Western Regional Integrated Health Authority	Western, N.L.	81	14.4	43.1
Prince Edward Island					
P.E.I.					
Nova Scotia					
N.S.					
1201	Zone 1	Zone 1, N.S.	938	14.1	44.3
1202	Zone 2	Zone 2, N.S.	124	17.3	48.2
1203	Zone 3	Zone 3, N.S.	83	15.8	49.0
1204	Zone 4	Zone 4, N.S.	107	15.7	48.1
1205	Zone 5	Zone 5, N.S.	94	15.8	47.6
1206	Zone 6	Zone 6, N.S.	130	16.2	48.6
New Brunswick					
N.B.					
1301	Region 1	Region 1, N.B. (Moncton area)	751	13.7	43.4
1302	Region 2	Region 2, N.B. (Saint John area)	193	13.8	42.1
1303	Region 3	Region 3, N.B. (Fredericton area)	176	13.7	46.0
1306	Region 6	Region 6, N.B. (Bathurst area)	170	12.7	43.5
Quebec					
Que.					
2401	ASSS du Bas-Saint-Laurent	Bas-Saint-Laurent	7,561	13.5	43.8
2402	ASSS du Saguenay–Lac-Saint-Jean	Saguenay–Lac-Saint-Jean	202	16.1	45.6
2403	ASSS de la Capitale nationale	Capitale nationale	277	13.7	42.9
2404	ASSS de la Mauricie et du Centre-du-Québec	Mauricie et Centre-du-Québec	663	14.6	41.3
2405	ASSS de l'Estrie	Estrie	485	15.7	46.1
2406	ASSS de Montréal	Montréal	298	14.4	45.7
2407	ASSS de l'Outaouais	Outaouais	1,877	15.0	43.8
2408	ASSS de l'Abitibi-Témiscamingue	Abitibi-Témiscamingue	339	10.7	40.6
2409	ASSS de la Côte-Nord	Côte-Nord	145	12.2	44.3
2411	ASSS de la Gaspésie-Îles-de-la-Madeleine	Gaspésie-Îles-de-la-Madeleine	96	11.1	41.4
2412	ASSS de Chaudière-Appalaches	Chaudière-Appalaches	97	16.7	45.9
2413	ASSS de Laval	Laval	393	13.6	43.9
2414	ASSS de Lanaudière	Lanaudière	365	13.7	46.2
2415	ASSS des Laurentides	Laurentides	414	11.3	43.3
2416	ASSS de la Montérégie	Montérégie	500	11.5	43.8
Ontario					
Ont.					
3501	Erie St. Clair LHIN	Erie St. Clair	12,440	12.8	45.4
3502	South West LHIN	South West	645	13.6	47.4
3503	Waterloo Wellington LHIN	Waterloo Wellington	924	14.4	49.0
3504	Hamilton Niagara Haldimand Brant LHIN	Hamilton Niagara Haldimand Brant	685	11.6	45.0
3505	Central West LHIN	Central West	1,353	14.6	48.7
3506	Mississauga Halton LHIN	Mississauga Halton	720	9.4	42.1
3507	Toronto Central LHIN	Mississauga Halton	1,041	9.6	42.5
3508	Central LHIN	Toronto Central	1,147	13.3	43.2
3509	Central East LHIN	Central	1,543	11.2	42.6
3510	South East LHIN	Central East	1,450	13.1	45.7
3511	Champlain LHIN	South East	481	15.7	48.8
3512	North Simcoe Muskoka LHIN	Champlain	1,177	12.5	43.8
3513	North East LHIN	North Simcoe Muskoka	417	13.9	49.0
3514	North West LHIN	North East	568	15.3	47.7
Manitoba					
Man.					
4610	Winnipeg RHA	Winnipeg	1,173	13.5	50.4
4630	Interlake RHA	Interlake	660	13.7	46.4
4640	Central RHA	Central	79	14.1	52.3
			101	13.3	56.8

Map Code	Health Region	Legend Name	Population ('000), 2004	% Population Age 65+, 2004	Dependency Ratio, 2004
Saskatchewan		Sask.	996	14.8	53.3
4704	Regina Qu'Appelle RHA	Regina	242	13.9	48.3
4706	Saskatoon RHA	Saskatoon	284	13.2	48.3
4709	Prince Albert Parkland RHA	Prince Albert	75	15.0	59.2
Alberta		Alta.	3,213	10.4	42.5
4820	Chinook RHA	Chinook	153	12.8	50.3
4821	Palliser Health Region	Palliser	99	13.6	49.7
4822	Calgary Health Region	Calgary	1,163	9.4	38.9
4823	David Thompson RHA	David Thompson	288	11.2	45.8
4824	East Central Health	East Central	112	15.6	54.5
4825	Capital Health	Capital	1,008	10.8	41.4
4826	Aspen RHA	Aspen	176	10.9	49.9
4827	Peace Country Health	Peace Country	131	8.2	46.0
British Columbia		B.C.	4,210	13.7	43.6
5911	East Kootenay HSDA	East Kootenay	81	13.9	44.1
5912	Kootenay Boundary HSDA	Kootenay Boundary	80	16.6	47.0
5913	Okanagan HSDA	Okanagan	323	19.6	53.6
5914	Thompson/Cariboo HSDA	Thompson/Cariboo	219	14.1	45.1
5921	Fraser East HSDA	Fraser East	260	13.7	51.1
5922	Fraser North HSDA	Fraser North	554	11.1	38.7
5923	Fraser South HSDA	Fraser South	626	13.2	48.0
5931	Richmond HSDA	Richmond	173	11.7	36.2
5932	Vancouver HSDA	Vancouver	593	12.2	34.1
5933	North Shore/Coast Garibaldi HSDA	North Shore	271	14.0	42.3
5941	South Vancouver Island HSDA	South Vancouver Island	347	17.2	45.4
5942	Central Vancouver Island HSDA	Central Vancouver Island	247	17.8	51.0
5943	North Vancouver Island HSDA	North Vancouver Island	117	13.5	45.1
5951	Northwest HSDA	Northwest	84	8.2	43.3
5952	Northern Interior HSDA	Northern Interior	154	8.8	41.2
Yukon Territory		Y.T.	31	6.5	35.0
Northwest Territories		N.W.T.	43	4.3	41.3
Nunavut		Nun.	30	2.5	59.4
Canada		Canada	32,040	13.0	44.7

Population

The number of people living in a geographic area. A population's size and age/sex composition may affect the health status of a region and its need for health services. Population data also provide the "denominators" used to calculate rates for most health and social indicators.

Sources: Statistics Canada, Demography Division. Data are derived from the Census and administrative sources on births, deaths and migration. Population growth for Quebec, Alberta and British Columbia were supplied by the Institut de la statistique du Québec, Alberta Health and Wellness and BC Stats, respectively.

Dependency ratio

The ratio of the combined child population (aged 0 to 14) and elderly population (aged 65 and over) to the working-age population (aged 15 to 64). This ratio is presented as the number of dependents for every 100 people in the working-age population. Canadians aged 65 and over and those under age 15 are more likely to be socially and/or economically dependent on working-age Canadians and they may also put additional demands on health services.

Source: Statistics Canada, Demography Division (2004 population estimates).

	Life Expectancy at Birth, 2001						Infant Mortality per 1,000 Live Births, 2001		Self-Rated Health (Very Good or Excellent), 2003 Age 12+	
	Male		Female		Both Sexes		Rate	95% CI	%	95% CI
	Years	95% CI	Years	95% CI	Years	95% CI				
N.L.	75.3	(75.0–75.6)	80.5	(80.2–80.9)	77.9	(77.7–78.1)	4.8	(3.8–6.0)	66.1	(64.0–68.3)
P.E.I.	75.4	(74.8–76.1)	81.7	(81.1–82.3)	78.6	(78.1–79.0)	4.1	(2.5–6.4)	64.9	(62.3–67.4)
N.S.	76.2	(76.0–76.5)	81.3	(81.1–81.6)	78.8	(78.6–78.9)	4.9	(4.1–5.8)	58.1	(55.9–60.4)
N.B.	76.1	(75.9–76.4)	81.8	(81.6–82.1)	79.0	(78.8–79.2)	3.9	(3.1–4.8)	50.3	(48.4–52.2)
Que.	76.4	(76.4–76.5)	82.1	(82.0–82.2)	79.3	(79.2–79.3)	4.7	(4.4–5.0)	56.8	(55.9–57.8)
Ont.	77.4	(77.4–77.5)	82.0	(82.0–82.1)	79.7	(79.7–79.8)	5.4	(5.2–5.7)	57.2	(56.5–58.0)
Man.	75.7	(75.4–75.9)	81.1	(80.9–81.3)	78.4	(78.2–78.6)	6.9	(6.1–7.7)	60.8	(59.0–62.5)
Sask.	76.2	(76.0–76.5)	81.8	(81.5–82.0)	79.0	(78.8–79.2)	5.9	(5.2–6.8)	59.2	(57.5–60.8)
Alta.	77.1	(76.9–77.2)	82.0	(81.9–82.1)	79.5	(79.4–79.6)	6.5	(6.0–7.0)	63.9	(62.7–65.2)
B.C.	78.0	(77.9–78.1)	82.8	(82.7–82.9)	80.4	(80.3–80.5)	4.1	(3.8–4.5)	60.0	(59.0–61.1)
Y.T.	74.1	(72.4–75.7)	79.6	(78.0–81.2)	76.8	(75.6–78.0)	6.7	(2.9–13.1)	55.1	(50.1–60.1)
N.W.T.	73.7	(72.3–75.0)	78.8	(77.1–80.5)	76.2	(75.1–77.3)	8.5	(5.0–13.4)	55.6	(51.0–60.2)
Nun.	67.2	(65.2–69.2)	70.2	(68.1–72.3)	68.7	(67.2–70.1)	13.5	(9.2–19.1)	57.0	(53.1–60.9)
Canada	77.0	(76.9–77.0)	82.0	(82.0–82.1)	79.5	(79.5–79.5)	5.3	(5.1–5.4)	58.4	(58.0–58.8)

	Cancer Incidence,† 2002									
	All Cancers		Bronchus and Lung		Colon and Rectum		Breast		Prostate	
	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI	Rate	95% CI
N.L.	360.3	(351.4–369.2)	43.8	(40.7–47.0)	64.2	(60.4–67.9)	92.0	(85.8–98.1)	114.9	(107.6–122.3)
P.E.I.	445.3	(426.4–464.2)	60.1	(53.2–67.0)	57.8	(51.1–64.4)	101.4	(88.9–113.8)	187.8	(169.8–205.8)
N.S.	437.4	(430.2–444.5)	67.4	(64.7–70.2)	62.1	(59.4–64.7)	99.6	(95.0–104.3)	134.4	(128.6–140.3)
N.B.	404.6	(396.9–412.3)	67.4	(64.2–70.5)	51.2	(48.5–53.9)	96.2	(91.1–101.4)	127.2	(120.7–133.6)
Que.	..	..	..	..	..	..	..	..	..	..
Ont.	393.0	(391.0–394.9)	50.4	(49.7–51.1)	49.2	(48.5–49.9)	99.1	(97.8–100.5)	131.2	(129.5–132.9)
Man.	404.3	(398.0–410.6)	59.9	(57.5–62.3)	53.1	(50.8–55.4)	102.2	(97.8–106.6)	122.0	(116.9–127.2)
Sask.	396.0	(389.4–402.7)	50.8	(48.4–53.1)	50.4	(48.1–52.7)	96.5	(91.9–101.2)	148.2	(142.3–154.1)
Alta.	409.9	(405.7–414.2)	50.7	(49.2–52.2)	46.8	(45.3–48.2)	102.8	(99.9–105.7)	161.0	(157.0–165.0)
B.C.	370.3	(367.1–373.4)	49.3	(48.2–50.4)	44.2	(43.1–45.2)	93.2	(91.0–95.4)	123.6	(120.9–126.2)
Y.T.	335.1	(289.3–381.0)	41.8	(23.9–59.7)	53.2	(34.8–71.7)	85.5	(54.7–116.4)	107.2	(64.2–150.2)
N.W.T.	331.9	(285.7–378.1)	41.7	(24.8–58.6)	82.7	(58.4–106.9)	149.1	(106.4–191.9)	63.8	(33.1–94.6)
Nun.	591.8	(478.5–705.2)	296.3	(212.6–379.9)	86.1	(44.9–127.3)	*	* *	*	* *
Canada	..	..	..	..	..	..	..	..	..	..

† Age-standardized rate per 100,000 population.

	Self-Reported Health Conditions, 2003									
	Body Mass Index (30 and Over) Age 18+		Arthritis or Rheumatism Age 12+		Asthma Age 12+		Diabetes Age 12+		High Blood Pressure Age 12+	
	%	95% CI	%	95% CI	%	95% CI	%	95% CI	%	95% CI
N.L.	20.1	(18.2–21.9)	20.5	(19.1–21.9)	9.0	(7.8–10.2)	6.4	(5.5–7.4)	16.8	(15.5–18.1)
P.E.I.	20.6	(18.0–23.2)	20.2	(18.1–22.3)	9.1	(7.3–10.9)	5.1	(4.0–6.2)	15.2	(13.5–16.9)
N.S.	19.8	(18.2–21.4)	24.1	(22.7–25.5)	9.3	(8.1–10.4)	5.5	(4.8–6.2)	18.1	(16.7–19.5)
N.B.	20.0	(18.4–21.5)	20.8	(19.5–22.1)	8.8	(7.8–9.8)	5.4	(4.6–6.2)	16.2	(15.0–17.4)
Que.	13.9	(13.1–14.6)	13.9	(13.3–14.5)	8.6	(8.0–9.1)	4.6	(4.2–5.0)	14.5	(13.8–15.1)
Ont.	14.8	(14.3–15.4)	17.5	(17.1–18.0)	8.3	(7.9–8.7)	4.6	(4.3–4.9)	14.7	(14.3–15.2)
Man.	18.0	(16.4–19.6)	18.3	(17.1–19.5)	8.9	(7.6–10.2)	5.3	(4.6–6.0)	14.3	(13.2–15.5)
Sask.	19.7	(18.3–21.1)	18.9	(17.8–20.0)	8.1	(7.2–8.9)	4.7	(4.1–5.3)	15.0	(14.1–16.0)
Alta.	15.5	(14.5–16.5)	16.3	(15.5–17.1)	9.1	(8.4–9.8)	3.6	(3.2–4.0)	12.2	(11.5–12.9)
B.C.	11.6	(10.9–12.3)	16.2	(15.6–16.9)	7.3	(6.8–7.8)	4.6	(4.2–5.0)	13.3	(12.7–13.9)
Y.T.	20.6	(16.5–24.7)	16.1	(13.6–18.6)	9.1	(6.7–11.5)	3.7	(2.7–4.8)	10.4	(7.1–13.6)
N.W.T.	21.9	(18.1–25.7)	12.4	(10.2–14.5)	8.0	(5.7–10.4)	3.5*	(2.1*–4.8*)	10.7	(8.8–12.5)
Nun.	20.3	(15.9–24.7)	6.3	(4.3–8.3)	4.0*	(2.3*–5.8*)	*	* *	6.6*	(3.1*–10.0*)
Canada	14.9	(14.6–15.2)	16.8	(16.5–17.0)	8.4	(8.2–8.6)	4.6	(4.4–4.8)	14.4	(14.1–14.6)

Life expectancy at birth

Life expectancy is the number of years a person would be expected to live starting from birth, and is calculated on the basis of the mortality statistics for a given observation period. A widely used indicator of the health of a population, life expectancy measures quantity rather than quality of life. The reference year associated with these data reflects the mid-point of a three-year period.

Sources: Statistics Canada, Vital Statistics, Death Database and Demography Division (population estimates).

Infant mortality

Infants who die in the first year of life, expressed as a rate per 1,000 live births. A long-established measure, not only of child health, but also of the well-being of a society. This indicator reflects the level of mortality, health status and health care of a population, and the effectiveness of preventive care and the attention paid to maternal and child health. The reference year associated with these data reflects the mid-point of a three-year period.

Sources: Statistics Canada, Vital Statistics, Birth and Death Databases.

Self-rated health

Proportion of population aged 12 and over who rate their own health status as being either very good or excellent. This indicator is a measure of overall health status and can reflect aspects of health not captured in other measures, such as incipient disease, disease severity, aspects of positive health status, physiological and psychological capital and social and mental function.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Cancer incidence

Age-standardized rate of new primary sites of cancer (malignant neoplasms) per 100,000 population, for all cancers and selected specific sites. The reference year associated with these data reflects the mid-point of a three-year period.

Source: Statistics Canada, Canadian Cancer Registry.

Body mass index

Proportion of population aged 18 and over with a body mass index (BMI) of 30 or greater. BMI is a measure of health risk relative to body mass. According to the World Health Organization and Health Canada guidelines, a BMI of 30 or greater is associated with high health risk. BMI is calculated by dividing body weight (in kilograms) by height (in metres) squared.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Arthritis or rheumatism

Proportion of population aged 12 and over who reported that they have been diagnosed by a health professional as having arthritis or rheumatism. Arthritis or rheumatism includes both rheumatoid arthritis and osteoarthritis, but excludes fibromyalgia.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Asthma

Proportion of population aged 12 and over who reported that they have been diagnosed by a health professional as having asthma.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Diabetes

Proportion of population aged 12 and over who reported that they have been diagnosed by a health professional as having diabetes.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

High blood pressure

Proportion of population aged 12 and over who reported that they have been diagnosed by a health professional as having high blood pressure.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Map Code	Health Region	Injury Hospitalization			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Newfoundland and Labrador		*528	(509–548)	526	(507–546)
1011	Eastern, N.L.	*424	(400–447)	438	(415–462)
1012	Central, N.L.	*472	(429–515)	492	(449–535)
1013	Western, N.L.	*647	(591–702)	588	(534–641)
Prince Edward Island		*625	(584–666)	619	(579–659)
Nova Scotia		*494	(480–508)	478	(465–492)
1201	Zone 1, N.S.	*461	(425–497)	450	(415–486)
1202	Zone 2, N.S.	*403	(361–444)	414	(372–457)
1203	Zone 3, N.S.	525	(481–568)	546	(503–590)
1204	Zone 4, N.S.	562	(516–609)	533	(487–579)
1205	Zone 5, N.S.	*657	(614–701)	636	(593–679)
1206	Zone 6, N.S.	*404	(384–423)	384	(365–403)
New Brunswick		*672	(654–690)	645	(626–664)
1301	Region 1, N.B. (Moncton area)	564	(531–596)	523	(492–554)
1302	Region 2, N.B. (Saint John area)	550	(516–583)	555	(521–588)
1303	Region 3, N.B. (Fredericton area)	*712	(673–751)	700	(661–739)
1306	Region 6, N.B. (Bathurst area)	601	(548–654)	..	.. ..
Quebec		*508	(503–513)	..	.. ..
2401	Bas-Saint-Laurent	*601	(567–635)	..	.. ..
2402	Saguenay–Lac-Saint-Jean	*646	(615–676)	..	.. ..
2403	Capitale nationale	*505	(488–522)	..	.. ..
2404	Mauricie et Centre-du-Québec	*588	(566–610)	..	.. ..
2405	Estrie	*631	(602–659)	..	.. ..
2406	Montréal	*394	(385–403)	..	.. ..
2407	Outaouais	*463	(439–486)	..	.. ..
2408	Abitibi-Témiscamingue	*668	(625–711)	..	.. ..
2409	Côte-Nord	*772	(715–829)	..	.. ..
2411	Gaspésie–Îles-de-la-Madeleine	*802	(744–861)	..	.. ..
2412	Chaudière–Appalaches	*503	(481–525)	..	.. ..
2413	Laval	*392	(371–412)	..	.. ..
2414	Lanaudière	*519	(496–542)	..	.. ..
2415	Laurentides	*613	(590–635)	..	.. ..
2416	Montérégie	*500	(488–512)	..	.. ..
Ontario		*475	(471–478)	472	(468–476)
3501	Erie St. Clair	*526	(509–543)	496	(480–513)
3502	South West	*596	(581–611)	570	(555–585)
3503	Waterloo Wellington	*475	(459–491)	472	(456–487)
3504	Hamilton Niagara Haldimand Brant	*522	(510–533)	525	(513–536)
3505	Central West	*380	(365–395)	384	(370–399)
3506	Mississauga Halton	*362	(350–374)	365	(353–377)
3507	Toronto Central	*385	(374–395)	385	(374–396)
3508	Central	*339	(330–348)	341	(332–350)
3509	Central East	*405	(395–415)	422	(411–432)
3510	South East	*484	(465–503)	509	(490–528)
3511	Champlain	*448	(436–460)	458	(446–470)
3512	North Simcoe Muskoka	*609	(586–632)	625	(601–648)
3513	North East	*698	(677–720)	704	(682–725)
3514	North West	*769	(734–804)	776	(742–811)
Manitoba		*722	(707–737)	670	(656–685)
4610	Winnipeg	553	(535–570)	504	(488–521)
4630	Interlake	*830	(765–894)	838	(774–903)
4640	Central	*807	(752–862)	755	(703–808)

Map Code	Health Region	Injury Hospitalization			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Saskatchewan					
		*849	(832–867)	847	(829–864)
4704	Regina	*841	(805–877)	796	(761–831)
4706	Saskatoon	*629	(600–658)	598	(570–626)
4709	Prince Albert	*854	(787–920)	977	(905–1,049)
Alberta					
		*779	(769–789)	772	(762–781)
4820	Chinook	*784	(741–827)	796	(753–839)
4821	Palliser	*1,124	(1,059–1,189)	1,085	(1,021–1,149)
4822	Calgary	*614	(599–629)	580	(566–594)
4823	David Thompson	*1,128	(1,089–1,167)	1,161	(1,122–1,200)
4824	East Central	*958	(901–1,014)	928	(873–983)
4825	Capital	*635	(619–651)	645	(629–660)
4826	Aspen	*1,209	(1,157–1,261)	1,198	(1,146–1,249)
4827	Peace Country	*1,327	(1,262–1,392)	1,354	(1,289–1,420)
British Columbia					
		*636	(629–644)	622	(614–629)
5911	East Kootenay	*980	(910–1,049)	872	(807–937)
5912	Kootenay Boundary	*946	(876–1,017)	837	(770–905)
5913	Okanagan	*723	(694–752)	704	(675–733)
5914	Thompson/Cariboo	*853	(814–893)	776	(739–812)
5921	Fraser East	*642	(611–673)	595	(566–624)
5922	Fraser North	563	(544–583)	547	(527–566)
5923	Fraser South	*544	(525–562)	543	(525–561)
5931	Richmond	*343	(316–370)	372	(344–400)
5932	Vancouver	*476	(458–493)	451	(435–468)
5933	North Shore	*615	(586–644)	589	(560–618)
5941	South Vancouver Island	*642	(616–668)	690	(663–718)
5942	Central Vancouver Island	*664	(632–696)	725	(691–758)
5943	North Vancouver Island	*749	(698–800)	811	(758–864)
5951	Northwest	*1,249	(1,168–1,330)	1,132	(1,056–1,209)
5952	Northern Interior	*842	(793–890)	889	(840–939)
Yukon Territory					
		*1,161	(1,024–1,299)	1,213	(1,076–1,350)
Northwest Territories					
		*1,412	(1,273–1,551)	1,311	(1,183–1,439)
Nunavut					
		*1,065	(878–1,252)	1,052	(878–1,226)
Canada					
		563	(561–566)	..	.. ..

Injury hospitalization

Age-standardized rate of acute care hospitalization due to injury resulting from the transfer of energy (excludes poisoning and other non-traumatic injuries), per 100,000 population. Injury is defined by the first valid documented external cause of injury code that meets CIHI's definition of trauma. This indicator contributes to an understanding of the adequacy and effectiveness of injury-prevention efforts, including public education, product development and use, community and road design, and prevention and treatment resources.

Source: National Trauma Registry, CIHI.

	Life Stress, 2003 (Quite a Lot) Age 18+		Sense of Community Belonging, 2005 (Strong/Somewhat Strong) Age 12+		Leisure-Time Physical Activity, 2003 (Active/Moderately Active) Age 12+	
	%	95% CI	%	95% CI	%	95% CI
	N.L.	15.0	(13.2–16.7)	78.8	(76.4–81.1)	44.2	(41.9–46.5)
P.E.I.	15.4	(13.1–17.7)	75.5	(71.4–79.7)	43.3	(40.5–46.0)
N.S.	19.1	(17.6–20.6)	72.4	(70.1–74.7)	47.1	(45.3–49.0)
N.B.	24.4	(22.7–26.1)	73.4	(71.2–75.6)	44.3	(42.3–46.3)
Que.	28.7	(27.7–29.7)	54.4	(53.1–55.6)	47.0	(46.1–48.0)
Ont.	24.6	(24.0–25.3)	65.5	(64.5–66.5)	50.0	(49.3–50.7)
Man.	20.3	(18.8–21.9)	66.9	(64.3–69.5)	49.9	(48.2–51.6)
Sask.	20.6	(19.2–22.0)	72.5	(70.3–74.6)	49.6	(48.0–51.1)
Alta.	23.3	(22.0–24.7)	65.1	(63.2–66.9)	54.0	(52.6–55.4)
B.C.	21.7	(20.7–22.6)	68.9	(67.4–70.3)	58.1	(57.0–59.2)
Y.T.	17.6	(12.8–22.5)	..	.. ..	59.6	(54.2–64.9)
N.W.T.	21.2	(17.8–24.5)	..	.. ..	53.4	(49.6–57.1)
Nun.	18.3*	(12.1*–24.6*)	..	.. ..	38.3	(34.4–42.2)
Canada	24.4	(24.1–24.8)	64.1	(63.5–64.7)	50.4	(49.9–50.8)

	Smoking Status, 2003 (Current Daily or Occasional)				Alcohol Use, 2003 (5+ Drinks on One Occasion)		Dietary Practices, 2003 (5+ Fruits and Vegetables/Day)	
	Age 12+		Age 12 to 19		Age 12+		Age 12+	
	%	95% CI	%	95% CI	%	95% CI	%	95% CI
N.L.	24.0	(22.0–26.1)	17.0	(13.3–20.6)	32.2	(30.1–34.4)	25.0	(23.2–26.7)
P.E.I.	23.6	(21.1–26.1)	11.4*	(7.0*–15.7*)	25.2	(22.2–28.3)	29.3	(26.6–32.0)
N.S.	23.5	(21.9–25.1)	13.5	(10.7–16.4)	26.6	(24.3–28.8)	30.7	(28.8–32.6)
N.B.	25.3	(23.6–27.0)	14.4	(11.1–17.7)	27.7	(25.9–29.6)	31.6	(30.0–33.2)
Que.	25.9	(25.0–26.7)	20.0	(18.0–22.0)	19.2	(18.4–20.1)	42.5	(41.5–43.5)
Ont.	22.1	(21.5–22.7)	13.6	(12.4–14.8)	20.5	(19.9–21.2)	39.8	(39.1–40.6)
Man.	22.6	(21.0–24.2)	14.0	(11.0–17.0)	21.9	(20.0–23.8)	33.7	(31.8–35.5)
Sask.	23.8	(22.3–25.3)	15.2	(12.2–18.1)	22.6	(20.9–24.2)	33.8	(32.4–35.3)
Alta.	22.9	(21.7–24.0)	13.9	(11.4–16.3)	22.4	(21.1–23.6)	36.0	(34.7–37.3)
B.C.	18.7	(17.9–19.5)	9.9	(8.3–11.6)	17.5	(16.5–18.5)	40.1	(39.0–41.1)
Y.T.	27.5	(23.6–31.5)	15.0*	(7.2*–22.8*)	29.8	(26.1–33.4)	42.7	(37.5–47.9)
N.W.T.	36.6	(30.6–42.5)	31.3	(21.2–41.3)	39.9	(35.8–44.0)	31.7	(27.7–35.7)
Nun.	64.8	(59.5–70.1)	56.0*	(35.4*–76.5*)	31.0	(24.1–37.9)	30.1	(25.8–34.4)
Canada	22.9	(22.5–23.3)	14.8	(14.0–15.6)	20.7	(20.3–21.1)	38.9	(38.5–39.4)

	Unemployment Rate, 2004 Age 15+		Youth Unemployment Rate, 2004 Age 15 to 24		Low Income Rate (2000 Income)	
	%		%		%	
N.L.	15.6		22.3		18.8	
P.E.I.	11.3		17.3		12.6	
N.S.	8.8		15.1		16.6	
N.B.	9.8		15.2		15.7	
Que.	8.5		14.4		19.1	
Ont.	6.8		14.2		14.4	
Man.	5.3		11.0		17.5	
Sask.	5.3		10.3		15.8	
Alta.	4.6		8.5		13.8	
B.C.	7.2		13.5		17.8	
Y.T.	..		..		..
N.W.T.	..		..		..
Nun.	..		..		..
Canada	7.2		13.4		16.2	

Life stress

Proportion of population aged 18 and over who described their level of life stress as “quite a lot.”

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Sense of community belonging

Proportion of population aged 12 and over reporting their sense of belonging to their local community as very strong or somewhat strong. Research shows a high correlation between sense of community belonging with physical and mental health.

Source: Statistics Canada, Canadian Community Health Survey, January to June, 2005.

Leisure-time physical activity

Proportion of population aged 12 and over reporting active or moderately active level of physical activity, based on their responses to questions about the frequency, duration and intensity of their participation in leisure-time physical activity over the past three months.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Smoking status

Proportion of population aged 12 and over, or aged 12 to 19, who reported being a current smoker on either a daily or occasional basis.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Alcohol use

Proportion of population aged 12 and over who reported being a current drinker and having five or more drinks on one occasion, 12 or more times a year.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Dietary practices

Proportion of population aged 12 and over who reported consuming fruits and vegetables, on average, five or more times per day.

Source: Statistics Canada, Canadian Community Health Survey, 2003.

Unemployment rate

Proportion of the labour force aged 15 and over who did not have a job during the reference period. The labour force consists of people who are currently employed and people who are unemployed but were available to work in the reference period and had looked for work in the past four weeks. The reference period refers to a one-week period (from Sunday to Saturday) that usually includes the 15th day of the month. The unemployment rate is a traditional measure of the economy. Unemployed people tend to experience more health problems.

Source: Statistics Canada, Labour Force Survey, special tabulations.

Youth unemployment rate

Number of unemployed persons aged 15 to 24, expressed as a percentage of the labour force in this age group.

Source: Statistics Canada, Labour Force Survey, special tabulations.

Low income rate (income for the year prior to the Census)

Proportion of population in economic families and unattached individuals with incomes below the Statistics Canada low-income cut-off (LICO). The cut-offs represent levels of income where people spend disproportionate amounts of money for food, shelter and clothing. LICOs are based on family and community size; cut-offs are updated to account for changes in the consumer price index. A widely used measure of socio-economic status. Higher income is associated with better health.

Source: Statistics Canada, 1996 and 2001 Census (20% sample).

Map Code	Health Region	30-Day Acute Myocardial Infarction In-Hospital Mortality 2003		30-Day Stroke In-Hospital Mortality 2003	
		%	95% CI	%	95% CI
Newfoundland and Labrador		..	.. ..	*24.7	(22.8–26.5)
1011	Eastern, N.L.	..	.. ..	*24.5	(22.0–27.0)
1012	Central, N.L.	..	.. ..	*24.9	(20.8–28.9)
1013	Western, N.L.	..	.. ..	*26.5	(22.0–31.1)
Prince Edward Island		*14.3	(11.8–16.8)	17.4	(13.9–20.8)
Nova Scotia		*12.8	(12.0–13.7)	*25.9	(24.5–27.3)
1201	Zone 1, N.S.	*15.4	(13.0–17.8)	*22.7	(19.2–26.2)
1202	Zone 2, N.S.	12.4	(9.3–15.5)	22.6	(18.4–26.9)
1203	Zone 3, N.S.	*13.5	(11.2–15.8)	*28.2	(24.3–32.2)
1204	Zone 4, N.S.	11.6	(8.9–14.3)	*29.2	(25.1–33.4)
1205	Zone 5, N.S.	12.3	(10.3–14.3)	*25.7	(22.4–28.9)
1206	Zone 6, N.S.	12.1	(10.6–13.6)	*26.4	(23.6–29.2)
New Brunswick		*12.8	(11.8–13.7)	19.4	(17.9–20.9)
1301	Region 1, N.B. (Moncton area)	10.0	(8.0–11.9)	19.5	(16.6–22.5)
1302	Region 2, N.B. (Saint John area)	13.0	(11.1–14.9)	19.9	(16.6–23.2)
1303	Region 3, N.B. (Fredericton area)	*13.7	(11.5–15.8)	18.7	(15.7–21.7)
1306	Region 6, N.B. (Bathurst area)	*14.2	(11.3–17.1)	16.2	(11.2–21.1)
Quebec		..	.. ..	..	.. ..
2401	Bas-Saint-Laurent	..	.. ..	..	.. ..
2402	Saguenay–Lac-Saint-Jean	..	.. ..	..	.. ..
2403	Capitale nationale	..	.. ..	..	.. ..
2404	Mauricie et Centre-du-Québec	..	.. ..	..	.. ..
2405	Estrie	..	.. ..	..	.. ..
2406	Montréal	..	.. ..	..	.. ..
2407	Outaouais	..	.. ..	..	.. ..
2408	Abitibi-Témiscamingue	..	.. ..	..	.. ..
2409	Côte-Nord	..	.. ..	..	.. ..
2411	Gaspésie–Îles-de-la-Madeleine	..	.. ..	..	.. ..
2412	Chaudière–Appalaches	..	.. ..	..	.. ..
2413	Laval	..	.. ..	..	.. ..
2414	Lanaudière	..	.. ..	..	.. ..
2415	Laurentides	..	.. ..	..	.. ..
2416	Montérégie	..	.. ..	..	.. ..
Ontario		11.1	(10.9–11.4)	*18.2	(17.8–18.6)
3501	Erie St. Clair	10.5	(9.6–11.4)	*16.7	(15.2–18.1)
3502	South West	10.4	(9.6–11.3)	17.9	(16.5–19.3)
3503	Waterloo Wellington	11.1	(10.0–12.3)	20.5	(18.8–22.2)
3504	Hamilton Niagara Haldimand Brant	10.6	(10.0–11.2)	*17.7	(16.7–18.8)
3505	Central West	*9.7	(8.5–10.8)	*15.3	(13.4–17.1)
3506	Mississauga Halton	11.0	(10.0–12.0)	17.9	(16.4–19.4)
3507	Toronto Central	11.5	(10.7–12.4)	*16.6	(15.4–17.8)
3508	Central	11.8	(11.0–12.6)	18.6	(17.5–19.8)
3509	Central East	11.2	(10.5–11.8)	18.2	(17.1–19.3)
3510	South East	11.6	(10.4–12.7)	*21.6	(19.9–23.4)
3511	Champlain	11.1	(10.2–11.9)	18.9	(17.6–20.2)
3512	North Simcoe Muskoka	11.4	(10.1–12.6)	18.6	(16.6–20.6)
3513	North East	*12.3	(11.3–13.2)	18.5	(16.9–20.2)
3514	North West	*12.7	(11.2–14.3)	19.9	(17.3–22.5)
Manitoba		11.4	(10.5–12.2)	*21.3	(20.1–22.5)
4610	Winnipeg	11.4	(10.3–12.4)	20.5	(18.8–22.1)
4630	Interlake	*7.8	(4.6–11.0)	15.6	(11.2–19.9)
4640	Central	10.0	(7.0–13.0)	*24.5	(20.2–28.7)

Map Code	Health Region	30-Day Acute Myocardial Infarction In-Hospital Mortality 2003		30-Day Stroke In-Hospital Mortality 2003	
		%	95% CI	%	95% CI
Saskatchewan		10.9	(10.1–11.8)	19.7	(18.4–21.0)
4704	Regina	11.3	(9.4–13.3)	*14.7	(11.9–17.5)
4706	Saskatoon	10.9	(9.2–12.6)	18.9	(16.4–21.4)
4709	Prince Albert	11.4	(7.7–15.1)	*24.5	(19.4–29.6)
Alberta		*9.3	(8.8–9.9)	*18.1	(17.2–19.0)
4820	Chinook	10.0	(7.5–12.5)	22.3	(18.6–25.9)
4821	Palliser	11.5	(8.8–14.3)	17.9	(13.5–22.3)
4822	Calgary	*7.6	(6.6–8.6)	*16.7	(15.0–18.4)
4823	David Thompson	11.9	(10.1–13.8)	20.8	(17.9–23.7)
4824	East Central	*14.6	(12.1–17.0)	20.0	(16.4–23.6)
4825	Capital	*8.5	(7.5–9.6)	*17.0	(15.4–18.5)
4826	Aspen	10.2	(7.7–12.8)	19.0	(15.3–22.6)
4827	Peace Country	10.9	(8.0–13.8)	18.6	(14.1–23.1)
British Columbia		*12.3	(11.8–12.8)	*20.6	(19.9–21.2)
5911	East Kootenay	8.7	(5.6–11.7)	23.2	(18.4–28.0)
5912	Kootenay Boundary	12.1	(8.8–15.3)	22.4	(18.0–26.8)
5913	Okanagan	11.9	(10.3–13.4)	*22.4	(20.3–24.5)
5914	Thompson/Cariboo	10.4	(8.3–12.4)	22.0	(19.0–25.1)
5921	Fraser East	12.8	(10.9–14.7)	*23.0	(20.2–25.8)
5922	Fraser North	*16.1	(14.6–17.7)	17.5	(15.4–19.5)
5923	Fraser South	*12.6	(11.3–13.8)	*21.2	(19.4–23.1)
5931	Richmond	13.5	(10.7–16.2)	19.6	(16.2–23.1)
5932	Vancouver	*16.3	(14.7–17.8)	17.4	(15.6–19.2)
5933	North Shore	10.4	(8.6–12.3)	18.0	(15.4–20.6)
5941	South Vancouver Island	12.3	(10.7–13.9)	21.3	(19.0–23.5)
5942	Central Vancouver Island	*9.2	(7.5–10.9)	*24.7	(22.1–27.3)
5943	North Vancouver Island	8.1	(5.1–11.1)	22.0	(17.5–26.5)
5951	Northwest	15.2	(10.8–19.7)	19.2	(12.8–25.6)
5952	Northern Interior	9.1	(5.6–12.5)	20.7	(15.9–25.6)
Yukon Territory		*	* *	23.4	(12.5–34.2)
Northwest Territories		*24.8	(16.5–33.2)	21.7	(11.4–32.0)
Nunavut		..	.. ..	..	.. ..
Canada		11.1		19.1	

30-day acute myocardial infarction (AMI) in-hospital mortality

The risk-adjusted rate of all-cause in-hospital death occurring within 30 days of first admission to an acute care hospital with a diagnosis of AMI. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period.

Note: the Canada rate does not include Newfoundland and Labrador, Quebec, British Columbia or Nunavut. Rates for British Columbia were calculated by applying the risk-adjusted coefficients from a model utilizing data from P.E.I., Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta, the Yukon and the Northwest Territories.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI.

30-day stroke in-hospital mortality

The risk-adjusted rate of all-cause in-hospital death occurring within 30 days of first admission to an acute care hospital with a diagnosis of stroke. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period.

Note: the Canada rate does not include Quebec, British Columbia or Nunavut. Rates for British Columbia were calculated by applying the risk-adjusted coefficients from a model utilizing data from Newfoundland and Labrador, P.E.I., Nova Scotia, New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta, the Yukon and the Northwest Territories.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI.

Map Code	Health Region	30-Day Acute Myocardial Infarction In-Hospital Mortality			
		2000 %	2001 %	2002 %	2003 %
Newfoundland and Labrador		..	..	..	..
1011	Eastern, N.L.	..	..	..	..
1012	Central, N.L.	..	..	..	..
1013	Western, N.L.	..	..	..	..
Prince Edward Island		11.9	12.9	14.4	14.3
Nova Scotia		14.3	12.9	12.6	12.8
1201	Zone 1, N.S.	14.2	12.8	13.8	15.4
1202	Zone 2, N.S.	16.5	13.1	12.6	12.4
1203	Zone 3, N.S.	14.6	12.9	13.3	13.5
1204	Zone 4, N.S.	16.3	15.6	12.6	11.6
1205	Zone 5, N.S.	14.4	13.5	12.3	12.3
1206	Zone 6, N.S.	12.9	11.7	12.0	12.1
New Brunswick		12.8	12.9	13.5	12.8
1301	Region 1, N.B. (Moncton area)	10.8	10.3	10.2	10.0
1302	Region 2, N.B. (Saint John area)	12.0	11.9	13.9	13.0
1303	Region 3, N.B. (Fredericton area)	13.8	14.4	14.3	13.7
1306	Region 6, N.B. (Bathurst area)	15.6	14.6	14.2	14.2
Quebec		..	..	..	..
2401	Bas-Saint-Laurent	..	..	..	..
2402	Saguenay–Lac-Saint-Jean	..	..	..	..
2403	Capitale nationale	..	..	..	..
2404	Mauricie et Centre-du-Québec	..	..	..	..
2405	Estrie	..	..	..	..
2406	Montréal	..	..	..	..
2407	Outaouais	..	..	..	..
2408	Abitibi-Témiscamingue	..	..	..	..
2409	Côte-Nord	..	..	..	..
2411	Gaspésie–Îles-de-la-Madeleine	..	..	..	..
2412	Chaudière–Appalaches	..	..	..	..
2413	Laval	..	..	..	..
2414	Lanaudière	..	..	..	..
2415	Laurentides	..	..	..	..
2416	Montérégie	..	..	..	..
Ontario		12.0	11.3	11.1	**11.1
3501	Erie St. Clair	12.6	11.3	10.3	**10.5
3502	South West	12.2	11.5	11.2	**10.4
3503	Waterloo Wellington	11.9	10.9	11.5	11.1
3504	Hamilton Niagara Haldimand Brant	11.7	10.8	10.6	**10.6
3505	Central West	10.9	10.4	10.3	9.7
3506	Mississauga Halton	11.7	10.9	11.2	11.0
3507	Toronto Central	11.3	11.5	11.6	11.5
3508	Central	11.7	11.6	11.4	11.8
3509	Central East	12.0	11.6	10.9	11.2
3510	South East	12.9	12.1	11.9	11.6
3511	Champlain	10.8	10.0	10.3	11.1
3512	North Simcoe Muskoka	12.9	11.6	11.3	11.4
3513	North East	13.7	12.4	12.3	12.3
3514	North West	13.0	12.7	12.7	12.7
Manitoba		12.1	12.1	12.0	11.4
4610	Winnipeg	11.5	11.6	11.6	11.4
4630	Interlake	12.0	11.0	9.7	7.8
4640	Central	11.7	10.2	10.8	10.0

Map Code	Health Region	30-Day Acute Myocardial Infarction In-Hospital Mortality			
		2000 %	2001 %	2002 %	2003 %
Saskatchewan		12.3	11.8	11.6	10.9
4704	Regina	10.9	10.2	10.2	11.3
4706	Saskatoon	11.7	11.3	11.9	10.9
4709	Prince Albert	12.3	11.4	10.0	11.4
Alberta		10.0	10.2	9.4	9.3
4820	Chinook	11.3	11.6	9.9	10.0
4821	Palliser	8.6	11.2	11.7	11.5
4822	Calgary	9.1	9.1	8.0	**7.6
4823	David Thompson	10.0	11.0	11.3	11.9
4824	East Central	11.0	11.2	12.9	14.6
4825	Capital	9.7	9.8	9.0	8.5
4826	Aspen	11.4	12.2	9.6	10.2
4827	Peace Country	12.6	10.8	9.7	10.9
British Columbia		..	..	..	12.3
5911	East Kootenay	..	..	..	8.7
5912	Kootenay Boundary	..	..	..	12.1
5913	Okanagan	..	..	..	11.9
5914	Thompson/Cariboo	..	..	..	10.4
5921	Fraser East	..	..	..	12.8
5922	Fraser North	..	..	..	16.1
5923	Fraser South	..	..	..	12.6
5931	Richmond	..	..	..	13.5
5932	Vancouver	..	..	..	16.3
5933	North Shore	..	..	..	10.4
5941	South Vancouver Island	..	..	..	12.3
5942	Central Vancouver Island	..	..	..	9.2
5943	North Vancouver Island	..	..	..	8.1
5951	Northwest	..	..	..	15.2
5952	Northern Interior	..	..	..	9.1
Yukon Territory		*	*	14.7	*
Northwest Territories		*	*	24.0	24.8
Nunavut		..	..	..	..
Canada		11.9	11.4	11.2	11.1

Trends in **30-day acute myocardial infarction in-hospital mortality** risk-adjusted rates enable the tracking of changes between 1999 and 2004. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period. The risk-adjustment model is derived from the most currently available data (2002–2004); therefore, rates may differ from those previously published.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI.

Map Code	Health Region	30-Day Stroke In-Hospital Mortality			
		2000 %	2001 %	2002 %	2003 %
Newfoundland and Labrador		24.2	24.4	24.3	24.7
1011	Eastern, N.L.	25.5	25.3	24.3	24.5
1012	Central, N.L.	24.9	24.6	23.9	24.9
1013	Western, N.L.	19.9	24.5	27.5	26.5
Prince Edward Island		21.6	20.3	17.1	17.4
Nova Scotia		25.0	24.5	24.9	25.9
1201	Zone 1, N.S.	26.2	24.7	23.9	22.7
1202	Zone 2, N.S.	23.9	25.4	26.0	22.6
1203	Zone 3, N.S.	23.5	23.3	27.2	28.2
1204	Zone 4, N.S.	25.8	22.8	25.3	29.2
1205	Zone 5, N.S.	20.5	21.1	20.6	25.7
1206	Zone 6, N.S.	28.0	27.4	27.0	26.4
New Brunswick		18.6	18.9	18.9	19.4
1301	Region 1, N.B. (Moncton area)	17.2	18.4	18.5	19.5
1302	Region 2, N.B. (Saint John area)	17.1	18.8	20.4	19.9
1303	Region 3, N.B. (Fredericton area)	19.0	18.6	18.0	18.7
1306	Region 6, N.B. (Bathurst area)	15.2	14.0	15.5	16.2
Quebec		..	..	..	..
2401	Bas-Saint-Laurent	..	..	..	..
2402	Saguenay–Lac-Saint-Jean	..	..	..	..
2403	Capitale nationale	..	..	..	..
2404	Mauricie et Centre-du-Québec	..	..	..	..
2405	Estrie	..	..	..	..
2406	Montréal	..	..	..	..
2407	Outaouais	..	..	..	..
2408	Abitibi-Témiscamingue	..	..	..	..
2409	Côte-Nord	..	..	..	..
2411	Gaspésie-Îles-de-la-Madeleine	..	..	..	..
2412	Chaudière-Appalaches	..	..	..	..
2413	Laval	..	..	..	..
2414	Lanaudière	..	..	..	..
2415	Laurentides	..	..	..	..
2416	Montérégie	..	..	..	..
Ontario		18.4	17.9	18.1	18.2
3501	Erie St. Clair	17.5	16.9	16.7	16.7
3502	South West	17.1	16.5	17.3	17.9
3503	Waterloo Wellington	18.1	18.7	20.0	20.5
3504	Hamilton Niagara Haldimand Brant	18.7	18.5	18.3	17.7
3505	Central West	17.5	15.4	14.5	15.3
3506	Mississauga Halton	18.4	18.0	17.3	17.9
3507	Toronto Central	17.5	17.0	16.5	16.6
3508	Central	18.1	17.7	18.3	18.6
3509	Central East	17.6	17.5	17.7	18.2
3510	South East	20.5	21.1	21.5	21.6
3511	Champlain	18.4	17.7	18.5	18.9
3512	North Simcoe Muskoka	19.3	20.5	20.2	18.6
3513	North East	22.0	20.5	19.9	**18.5
3514	North West	17.5	16.5	19.0	19.9
Manitoba		20.8	20.6	20.9	21.3
4610	Winnipeg	20.6	20.4	20.3	20.5
4630	Interlake	19.0	17.8	15.5	15.6
4640	Central	22.7	21.0	25.1	24.5

Map Code	Health Region	30-Day Stroke In-Hospital Mortality			
		2000 %	2001 %	2002 %	2003 %
Saskatchewan		18.3	18.9	19.6	19.7
4704	Regina	16.1	15.2	15.9	14.7
4706	Saskatoon	18.1	18.6	18.4	18.9
4709	Prince Albert	20.8	23.5	23.2	24.5
Alberta		16.9	16.9	17.4	18.1
4820	Chinook	20.2	22.2	21.7	22.3
4821	Palliser	18.9	17.3	19.7	17.9
4822	Calgary	16.4	15.2	15.7	16.7
4823	David Thompson	20.6	22.3	20.0	20.8
4824	East Central	15.6	19.6	20.7	20.0
4825	Capital	15.3	14.7	15.9	17.0
4826	Aspen	18.8	19.0	19.6	19.0
4827	Peace Country	16.4	17.8	17.3	18.6
British Columbia		..	..	..	20.6
5911	East Kootenay	..	..	..	23.2
5912	Kootenay Boundary	..	..	..	22.4
5913	Okanagan	..	..	..	22.4
5914	Thompson/Cariboo	..	..	..	22.0
5921	Fraser East	..	..	..	23.0
5922	Fraser North	..	..	..	17.5
5923	Fraser South	..	..	..	21.2
5931	Richmond	..	..	..	19.6
5932	Vancouver	..	..	..	17.4
5933	North Shore	..	..	..	18.0
5941	South Vancouver Island	..	..	..	21.3
5942	Central Vancouver Island	..	..	..	24.7
5943	North Vancouver Island	..	..	..	22.0
5951	Northwest	..	..	..	19.2
5952	Northern Interior	..	..	..	20.7
Yukon Territory		*	*	19.5	23.4
Northwest Territories		20.6	22.7	18.1	21.7
Nunavut		..	..	..	..
Canada		18.8	18.6	18.8	19.1

Trends in **30-day stroke in-hospital mortality** risk-adjusted rates enable the tracking of changes between 1999 and 2004. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period. The risk-adjustment model is derived from the most currently available data (2002–2004); therefore, rates may differ from those previously published. **Sources:** Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI.

Map Code	Health Region	Acute Myocardial Infarction Readmission 2003		Asthma Readmission 2003	
		%	95% CI	%	95% CI
Newfoundland and Labrador		..	.. ..	5.7	(4.0–7.5)
1011	Eastern, N.L.	..	.. ..	4.7	(2.1–7.2)
1012	Central, N.L.	..	.. ..	*	* *
1013	Western, N.L.	..	.. ..	*	* *
Prince Edward Island		*11.4	(9.4–13.5)	6.2	(4.0–8.3)
Nova Scotia		*9.2	(8.4–10.0)	4.6	(3.2–6.1)
1201	Zone 1, N.S.	7.9	(5.8–10.1)	5.7	(2.0–9.5)
1202	Zone 2, N.S.	*11.4	(8.7–14.2)	*	* *
1203	Zone 3, N.S.	8.4	(6.2–10.6)	*	* *
1204	Zone 4, N.S.	*10.2	(7.9–12.6)	*	* *
1205	Zone 5, N.S.	8.0	(6.2–9.7)	*	* *
1206	Zone 6, N.S.	*9.5	(8.2–10.9)	6.5	(4.4–8.7)
New Brunswick		*8.7	(7.8–9.6)	*	* *
1301	Region 1, N.B. (Moncton area)	7.9	(6.1–9.8)	*	* *
1302	Region 2, N.B. (Saint John area)	5.6	(3.7–7.5)	*	* *
1303	Region 3, N.B. (Fredericton area)	*11.8	(9.8–13.7)	*	* *
1306	Region 6, N.B. (Bathurst area)	*10.3	(7.6–13.0)	*	* *
Quebec		..	.. ..	..	.. ..
2401	Bas-Saint-Laurent	..	.. ..	..	.. ..
2402	Saguenay–Lac-Saint-Jean	..	.. ..	..	.. ..
2403	Capitale nationale	..	.. ..	..	.. ..
2404	Mauricie et Centre-du-Québec	..	.. ..	..	.. ..
2405	Estrie	..	.. ..	..	.. ..
2406	Montréal	..	.. ..	..	.. ..
2407	Outaouais	..	.. ..	..	.. ..
2408	Abitibi-Témiscamingue	..	.. ..	..	.. ..
2409	Côte-Nord	..	.. ..	..	.. ..
2411	Gaspésie-Îles-de-la-Madeleine	..	.. ..	..	.. ..
2412	Chaudière-Appalaches	..	.. ..	..	.. ..
2413	Laval	..	.. ..	..	.. ..
2414	Lanaudière	..	.. ..	..	.. ..
2415	Laurentides	..	.. ..	..	.. ..
2416	Montérégie	..	.. ..	..	.. ..
Ontario		7.2	(6.9–7.4)	4.8	(4.3–5.2)
3501	Erie St. Clair	*8.1	(7.2–9.0)	3.2	(1.3–5.0)
3502	South West	*8.1	(7.3–8.9)	5.2	(3.3–7.1)
3503	Waterloo Wellington	*5.6	(4.5–6.7)	4.4	(2.5–6.4)
3504	Hamilton Niagara Haldimand Brant	7.3	(6.6–8.0)	*3.0	(1.6–4.4)
3505	Central West	*5.7	(4.5–6.9)	6.2	(4.7–7.7)
3506	Mississauga Halton	*5.9	(4.9–7.0)	3.5	(1.5–5.6)
3507	Toronto Central	*5.9	(5.0–6.9)	5.9	(4.1–7.7)
3508	Central	*5.9	(5.1–6.8)	4.5	(2.9–6.0)
3509	Central East	7.1	(6.4–7.8)	5.5	(4.3–6.7)
3510	South East	7.2	(6.1–8.4)	*8.5	(6.7–10.3)
3511	Champlain	6.7	(5.9–7.6)	3.8	(2.2–5.5)
3512	North Simcoe Muskoka	*8.7	(7.6–9.9)	4.0	(2.1–5.9)
3513	North East	*9.0	(8.2–9.9)	3.8	(2.1–5.4)
3514	North West	*8.7	(7.3–10.2)	6.3	(3.9–8.7)
Manitoba		..	.. ..	..	.. ..
4610	Winnipeg	..	.. ..	..	.. ..
4630	Interlake	..	.. ..	..	.. ..
4640	Central	..	.. ..	..	.. ..

Map Code	Health Region	Acute Myocardial Infarction Readmission 2003		Asthma Readmission 2003	
		%	95 % CI	%	95 % CI
Saskatchewan		7.3	(6.4–8.2)	4.9	(3.5–6.2)
4704	Regina	*4.2	(2.2–6.2)	5.0	(2.8–7.3)
4706	Saskatoon	7.4	(5.8–9.1)	5.4	(2.5–8.2)
4709	Prince Albert	8.8	(5.5–12.0)	*	* *
Alberta		*4.8	(4.3–5.3)	*3.9	(3.1–4.7)
4820	Chinook	5.9	(3.4–8.3)	*	* *
4821	Palliser	7.3	(4.6–10.0)	*	* *
4822	Calgary	*4.2	(3.3–5.2)	4.3	(2.8–5.7)
4823	David Thompson	6.8	(5.0–8.5)	3.8	(1.8–5.8)
4824	East Central	*4.0	(1.4–6.6)	*	* *
4825	Capital	*3.5	(2.5–4.4)	4.2	(2.4–5.9)
4826	Aspen	6.9	(4.7–9.1)	4.5	(2.4–6.5)
4827	Peace Country	8.6	(6.0–11.2)	*	* *
British Columbia		7.4	(6.9–7.8)	*6.0	(5.2–6.8)
5911	East Kootenay	*	* *	8.0	(4.7–11.3)
5912	Kootenay Boundary	*11.9	(9.0–14.8)	*	* *
5913	Okanagan	8.4	(6.9–9.9)	*7.1	(5.0–9.2)
5914	Thompson/Cariboo	*9.6	(7.9–11.3)	*8.2	(5.5–11.0)
5921	Fraser East	7.6	(5.8–9.4)	5.5	(2.9–8.2)
5922	Fraser North	8.0	(6.4–9.6)	*8.6	(6.1–11.0)
5923	Fraser South	7.2	(5.9–8.5)	5.2	(3.0–7.4)
5931	Richmond	4.9	(2.0–7.8)	*	* *
5932	Vancouver	*5.0	(3.2–6.8)	*	* *
5933	North Shore	5.7	(3.9–7.4)	*	* *
5941	South Vancouver Island	*4.2	(2.4–6.0)	7.1	(4.1–10.1)
5942	Central Vancouver Island	*8.9	(7.3–10.5)	6.0	(2.4–9.5)
5943	North Vancouver Island	7.5	(5.1–9.9)	*	* *
5951	Northwest	*11.7	(8.4–14.9)	*	* *
5952	Northern Interior	7.1	(4.6–9.6)	*	* *
Yukon Territory		9.6	(3.7–15.5)	*	* *
Northwest Territories		*	* *	*	* *
Nunavut		..	.. ..	..	.. ..
Canada		7.1		4.8	

Acute myocardial infarction (AMI) readmission

The risk-adjusted rate of unplanned readmission following discharge for acute myocardial infarction. A case is counted as a readmission if it is for a relevant diagnosis and occurs within 28 days of the initial AMI admission. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period.

Sources: Discharge Abstract Database, CIHI; National Ambulatory Care Reporting System, CIHI.

Asthma readmission

The risk-adjusted rate of unplanned readmission following discharge for asthma. A case is counted as a readmission if it is for a relevant diagnosis and occurs within 28 days of the initial admission for asthma. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period.

Sources: Discharge Abstract Database, CIHI; National Ambulatory Care Reporting System, CIHI.

Map Code	Health Region	Prostatectomy Readmission 2003		Hysterectomy Readmission 2003	
		%	95% CI	%	95% CI
Newfoundland and Labrador		2.1	(0.9–3.4)	*	**
1011	Eastern, N.L.	*	**	*	**
1012	Central, N.L.	*	**	*	**
1013	Western, N.L.	*	**	*	**
Prince Edward Island		*	**	+2.0	(1.3–2.7)
Nova Scotia		2.9	(2.2–3.6)	1.1	(0.8–1.4)
1201	Zone 1, N.S.	*	**	*	**
1202	Zone 2, N.S.	*	**	*	**
1203	Zone 3, N.S.	*	**	*	**
1204	Zone 4, N.S.	4.0	(2.4–5.6)	1.5	(0.7–2.4)
1205	Zone 5, N.S.	3.6	(1.9–5.4)	*	**
1206	Zone 6, N.S.	2.7	(1.5–3.9)	+1.7	(1.2–2.2)
New Brunswick		3.1	(2.2–3.9)	0.9	(0.6–1.2)
1301	Region 1, N.B. (Moncton area)	3.6	(1.9–5.3)	0.9	(0.3–1.5)
1302	Region 2, N.B. (Saint John area)	3.4	(1.7–5.0)	1.2	(0.5–1.9)
1303	Region 3, N.B. (Fredericton area)	4.5	(2.4–6.7)	*	**
1306	Region 6, N.B. (Bathurst area)	*	**	*	**
Quebec		..	.. ..	..	.. ..
2401	Bas-Saint-Laurent	..	.. ..	..	.. ..
2402	Saguenay–Lac-Saint-Jean	..	.. ..	..	.. ..
2403	Capitale nationale	..	.. ..	..	.. ..
2404	Mauricie et Centre-du-Québec	..	.. ..	..	.. ..
2405	Estrie	..	.. ..	..	.. ..
2406	Montréal	..	.. ..	..	.. ..
2407	Outaouais	..	.. ..	..	.. ..
2408	Abitibi-Témiscamingue	..	.. ..	..	.. ..
2409	Côte-Nord	..	.. ..	..	.. ..
2411	Gaspésie–Îles-de-la-Madeleine	..	.. ..	..	.. ..
2412	Chaudière–Appalaches	..	.. ..	..	.. ..
2413	Laval	..	.. ..	..	.. ..
2414	Lanaudière	..	.. ..	..	.. ..
2415	Laurentides	..	.. ..	..	.. ..
2416	Montérégie	..	.. ..	..	.. ..
Ontario		2.4	(2.2–2.6)	1.0	(1.0–1.1)
3501	Erie St. Clair	2.0	(1.1–2.9)	0.8	(0.4–1.1)
3502	South West	2.4	(1.5–3.3)	1.3	(1.0–1.6)
3503	Waterloo Wellington	1.8	(0.8–2.7)	1.2	(0.8–1.5)
3504	Hamilton Niagara Haldimand Brant	2.0	(1.3–2.6)	0.9	(0.6–1.2)
3505	Central West	2.2	(1.0–3.4)	1.1	(0.6–1.6)
3506	Mississauga Halton	1.8	(0.9–2.7)	1.0	(0.5–1.4)
3507	Toronto Central	2.7	(1.8–3.5)	+1.8	(1.3–2.3)
3508	Central	2.6	(1.9–3.2)	1.0	(0.6–1.3)
3509	Central East	2.8	(2.2–3.5)	0.8	(0.6–1.1)
3510	South East	2.9	(1.9–4.0)	0.9	(0.4–1.4)
3511	Champlain	1.8	(1.0–2.7)	1.4	(1.1–1.7)
3512	North Simcoe Muskoka	2.5	(1.3–3.6)	1.1	(0.6–1.6)
3513	North East	3.2	(2.2–4.3)	0.9	(0.6–1.2)
3514	North West	3.5	(2.1–4.9)	1.2	(0.6–1.9)
Manitoba		..	.. ..	..	.. ..
4610	Winnipeg	..	.. ..	..	.. ..
4630	Interlake	..	.. ..	..	.. ..
4640	Central	..	.. ..	..	.. ..

Map Code	Health Region	Prostatectomy Readmission 2003		Hysterectomy Readmission 2003	
		%	95% CI	%	95% CI
Saskatchewan		3.2	(2.4–4.1)	1.3	(1.0–1.7)
4704	Regina	4.0	(1.9–6.2)	1.1	(0.4–1.8)
4706	Saskatoon	*4.3	(2.7–5.9)	*2.1	(1.5–2.7)
4709	Prince Albert	*	* *	*	* *
Alberta		2.3	(1.7–2.8)	*1.3	(1.2–1.5)
4820	Chinook	*	* *	1.1	(0.4–1.8)
4821	Palliser	*	* *	1.4	(0.5–2.2)
4822	Calgary	2.5	(1.6–3.4)	1.2	(0.9–1.6)
4823	David Thompson	*	* *	*2.6	(2.0–3.1)
4824	East Central	*	* *	2.0	(1.1–2.9)
4825	Capital	*	* *	*0.7	(0.4–1.0)
4826	Aspen	*7.5	(4.6–10.4)	*2.2	(1.4–2.9)
4827	Peace Country	*	* *	1.5	(0.6–2.4)
British Columbia		2.2	(1.9–2.5)	0.9	(0.8–1.1)
5911	East Kootenay	*	* *	*3.0	(2.1–4.0)
5912	Kootenay Boundary	*	* *	*	* *
5913	Okanagan	2.3	(1.0–3.5)	0.8	(0.3–1.4)
5914	Thompson/Cariboo	3.8	(2.3–5.3)	*	* *
5921	Fraser East	2.1	(0.9–3.3)	1.1	(0.6–1.7)
5922	Fraser North	2.0	(1.2–2.8)	*	* *
5923	Fraser South	2.4	(1.6–3.3)	0.7	(0.2–1.1)
5931	Richmond	*	* *	*	* *
5932	Vancouver	1.9	(1.0–2.7)	*	* *
5933	North Shore	*	* *	*	* *
5941	South Vancouver Island	2.7	(1.7–3.7)	1.4	(0.9–2.0)
5942	Central Vancouver Island	2.1	(1.0–3.3)	*	* *
5943	North Vancouver Island	*	* *	*	* *
5951	Northwest	*	* *	*	* *
5952	Northern Interior	*	* *	*	* *
Yukon Territory		*	* *	*	* *
Northwest Territories		*	* *	*	* *
Nunavut		..	.. ..	..	.. ..
Canada		2.4		1.1	

Prostatectomy readmission

The risk-adjusted rate of unplanned readmission following discharge for prostatectomy.

A case is counted as a readmission if it is for a relevant diagnosis or procedure and occurs within 28 days of the initial admission for prostatectomy. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period.

Sources: Discharge Abstract Database, CIHI; National Ambulatory Care Reporting System, CIHI.

Hysterectomy readmission

The risk-adjusted rate of unplanned readmission following discharge for hysterectomy. A case is counted as a readmission if it is for a relevant diagnosis and occurs within 7 or 28 days of the initial admission for hysterectomy. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period.

Sources: Discharge Abstract Database, CIHI; National Ambulatory Care Reporting System, CIHI.

Map Code	Health Region	Caesarean Section			
		2003–2004		2004–2005	
		%	95% CI	%	95% CI
Newfoundland and Labrador					
1011	Eastern, N.L.	27.9	(26.6–29.2)	28.7	(27.4–30.0)
1012	Central, N.L.	28.8	(27.1–30.5)	30.2	(28.5–32.0)
1013	Western, N.L.	29.6	(26.4–32.8)	28.8	(25.6–32.0)
		24.7	(21.4–27.9)	26.7	(23.3–30.1)
Prince Edward Island					
		30.3	(27.9–32.7)	33.5	(30.9–36.0)
Nova Scotia					
		27.6	(26.6–28.5)	27.9	(26.9–28.8)
1201	Zone 1, N.S.	25.2	(22.5–28.0)	27.5	(24.6–30.4)
1202	Zone 2, N.S.	22.2	(19.0–25.4)	23.9	(20.6–27.2)
1203	Zone 3, N.S.	29.7	(26.9–32.6)	30.9	(27.9–33.9)
1204	Zone 4, N.S.	25.9	(23.0–28.9)	29.8	(26.6–33.0)
1205	Zone 5, N.S.	27.8	(25.1–30.4)	28.3	(25.6–31.0)
1206	Zone 6, N.S.	28.8	(27.4–30.2)	27.5	(26.1–28.9)
New Brunswick					
		28.6	(27.6–29.7)	28.3	(27.2–29.4)
1301	Region 1, N.B. (Moncton area)	25.4	(23.4–27.4)	26.3	(24.2–28.4)
1302	Region 2, N.B. (Saint John area)	25.1	(23.1–27.1)	26.4	(24.3–28.6)
1303	Region 3, N.B. (Fredericton area)	31.6	(29.4–33.8)	29.0	(26.9–31.1)
1306	Region 6, N.B. (Bathurst area)	32.3	(28.5–36.1)	..	.. ..
Quebec					
		21.5	(21.2–21.8)	..	.. ..
2401	Bas-Saint-Laurent	24.2	(22.1–26.3)	..	.. ..
2402	Saguenay–Lac-Saint-Jean	20.3	(18.7–22.0)	..	.. ..
2403	Capitale nationale	22.0	(20.9–23.1)	..	.. ..
2404	Mauricie et Centre-du-Québec	19.9	(18.7–21.1)	..	.. ..
2405	Estrie	15.8	(14.5–17.2)	..	.. ..
2406	Montréal	22.7	(22.1–23.3)	..	.. ..
2407	Outaouais	22.4	(21.0–23.8)	..	.. ..
2408	Abitibi-Témiscamingue	20.1	(18.0–22.2)	..	.. ..
2409	Côte-Nord	22.2	(19.6–24.8)	..	.. ..
2411	Gaspésie-Îles-de-la-Madeleine	22.5	(19.3–25.6)	..	.. ..
2412	Chaudière-Appalaches	22.8	(21.4–24.1)	..	.. ..
2413	Laval	21.3	(20.0–22.6)	..	.. ..
2414	Lanaudière	20.7	(19.4–22.1)	..	.. ..
2415	Laurentides	21.1	(20.0–22.2)	..	.. ..
2416	Montérégie	21.4	(20.7–22.2)	..	.. ..
Ontario					
		26.0	(25.8–26.3)	26.7	(26.5–27.0)
3501	Erie St. Clair	24.6	(23.6–25.6)	24.0	(23.0–25.0)
3502	South West	22.0	(21.1–22.8)	23.3	(22.4–24.2)
3503	Waterloo Wellington	25.5	(24.6–26.5)	26.1	(25.1–27.1)
3504	Hamilton Niagara Haldimand Brant	24.7	(24.0–25.4)	26.4	(25.7–27.2)
3505	Central West	27.2	(26.3–28.0)	28.5	(27.6–29.3)
3506	Mississauga Halton	23.7	(23.0–24.5)	24.6	(23.8–25.3)
3507	Toronto Central	27.8	(27.0–28.6)	27.4	(26.7–28.2)
3508	Central	26.6	(25.9–27.3)	26.2	(25.6–26.9)
3509	Central East	28.2	(27.5–29.0)	29.3	(28.5–30.0)
3510	South East	26.5	(25.1–27.8)	26.7	(25.3–28.0)
3511	Champlain	26.6	(25.8–27.4)	28.1	(27.3–28.9)
3512	North Simcoe Muskoka	29.7	(28.3–31.0)	29.7	(28.3–31.1)
3513	North East	27.1	(25.9–28.4)	28.6	(27.3–29.9)
3514	North West	22.4	(20.8–24.0)	22.7	(21.1–24.3)
Manitoba					
		19.9	(19.2–20.5)	20.7	(20.0–21.3)
4610	Winnipeg	19.4	(18.5–20.4)	20.6	(19.7–21.6)
4630	Interlake	18.1	(15.4–20.9)	21.1	(18.3–24.0)
4640	Central	19.7	(17.5–21.8)	21.8	(19.6–24.0)

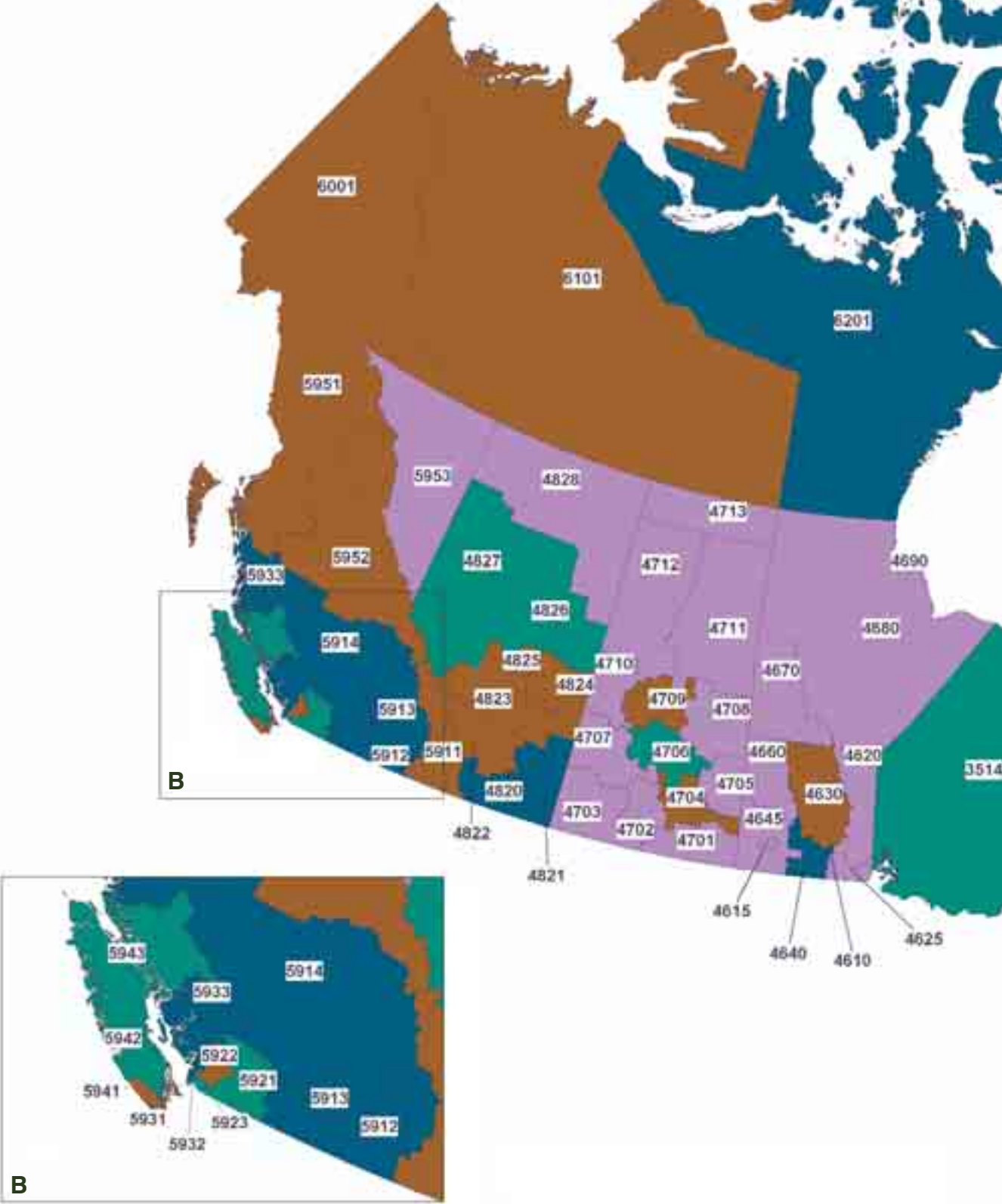
Map Code	Health Region	Caesarean Section			
		2003–2004		2004–2005	
		%	95% CI	%	95% CI
Saskatchewan					
4704	Regina	20.1	(19.3–20.8)	20.2	(19.5–21.0)
4706	Saskatoon	18.0	(16.5–19.4)	18.4	(17.0–19.9)
4709	Prince Albert	19.5	(18.1–20.8)	20.7	(19.3–22.1)
		16.9	(14.7–19.2)	14.5	(12.3–16.7)
Alberta					
4820	Chinook	24.4	(24.0–24.8)	25.4	(25.0–25.8)
4821	Palliser	22.3	(20.5–24.1)	22.4	(20.6–24.3)
4822	Calgary	20.5	(18.3–22.8)	23.8	(21.5–26.2)
4823	David Thompson	26.3	(25.5–27.0)	26.4	(25.6–27.1)
4824	East Central	23.6	(22.2–24.9)	27.6	(26.1–29.0)
4825	East Central	26.8	(24.3–29.3)	28.1	(25.6–30.6)
4826	Capital	23.7	(22.9–24.5)	25.1	(24.3–25.9)
4827	Aspen	23.7	(22.0–25.4)	23.4	(21.7–25.1)
	Peace Country	22.3	(20.5–24.2)	22.1	(20.3–23.9)
British Columbia					
5911	East Kootenay	28.7	(28.3–29.2)	30.0	(29.5–30.4)
5912	Kootenay Boundary	30.5	(27.0–34.1)	35.4	(31.8–39.1)
5913	Kootenay Boundary	24.8	(21.1–28.5)	24.0	(20.5–27.6)
5914	Okanagan	27.8	(26.0–29.6)	29.5	(27.7–31.3)
5921	Thompson/Cariboo	32.8	(30.6–35.0)	32.3	(30.2–34.4)
5922	Fraser East	26.5	(24.9–28.1)	28.9	(27.3–30.5)
5923	Fraser North	29.1	(27.9–30.3)	29.5	(28.3–30.7)
5923	Fraser South	29.4	(28.4–30.5)	30.5	(29.4–31.5)
5931	Richmond	30.6	(28.2–33.0)	29.7	(27.4–32.0)
5932	Vancouver	26.7	(25.5–27.8)	28.8	(27.6–30.0)
5933	North Shore	30.1	(28.2–31.9)	30.3	(28.4–32.2)
5941	South Vancouver Island	32.0	(30.2–33.7)	36.0	(34.1–37.8)
5942	Central Vancouver Island	28.6	(26.6–30.7)	27.3	(25.3–29.3)
5943	North Vancouver Island	28.0	(25.1–30.9)	31.9	(28.9–34.8)
5951	Northwest	27.1	(24.2–29.9)	27.3	(24.4–30.2)
5952	Northern Interior	26.7	(24.5–28.9)	28.4	(26.1–30.6)
Yukon Territory					
		24.3	(19.7–28.9)	27.1	(22.3–31.8)
Northwest Territories					
		24.2	(21.1–27.4)	22.8	(19.6–26.0)
Nunavut					
		9.5	(7.1–11.9)	9.9	(7.7–12.0)
Canada					
		24.8	(24.7–25.0)	..	.. ..

Caesarean section

Proportion of women delivering babies in acute care hospitals by Caesarean section. Caesarean section rates provide information on the frequency of surgical birth delivery relative to all modes of birth delivery. Since unnecessary Caesarean section delivery increases maternal morbidity/mortality and is associated with higher costs, rates are often used to monitor clinical practices with an implicit assumption that lower rates indicate more appropriate, as well as more efficient, care.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI; Quebec's ministère de la Santé et des Services sociaux.

Cardiac Revascularization* Rate by Health Region 2003–2004

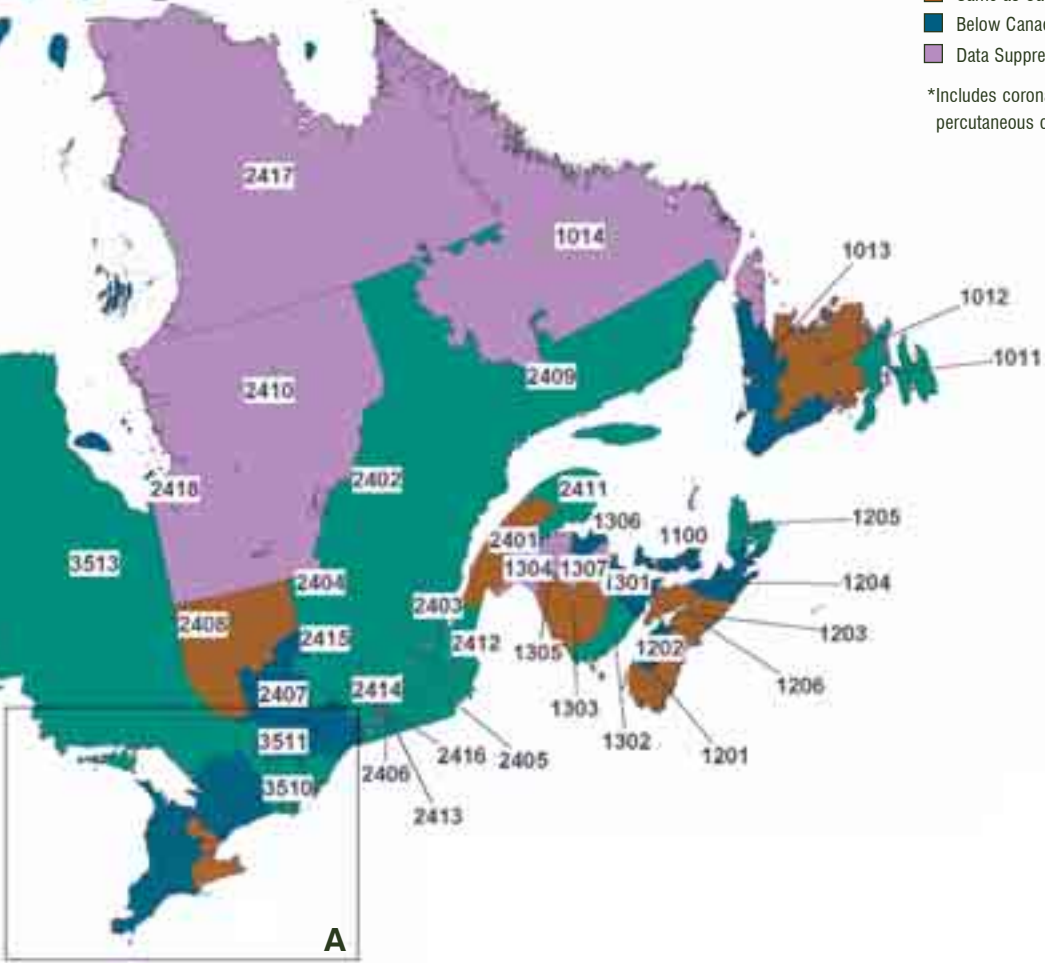




Cardiac Revascularization* Rate per 100,000 Population

- Above Canadian Average
- Same as Canadian Average
- Below Canadian Average
- Data Suppressed

*Includes coronary artery bypass graft and percutaneous coronary intervention



Source: Canadian Institute for Health Information.

Map Code	Health Region	Ambulatory Care Sensitive Conditions			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Newfoundland and Labrador					
1011	Eastern, N.L.	*669	(647–692)	604	(583–626)
1012	Central, N.L.	*583	(555–611)	519	(492–545)
1013	Western, N.L.	*718	(667–769)	669	(620–719)
		*656	(603–710)	641	(588–695)
Prince Edward Island					
		*726	(681–771)	724	(679–769)
Nova Scotia					
1201	Zone 1, N.S.	*511	(496–525)	493	(479–507)
1202	Zone 2, N.S.	*508	(469–547)	465	(428–502)
1203	Zone 3, N.S.	*499	(453–546)	567	(517–617)
1204	Zone 4, N.S.	*590	(545–635)	541	(498–585)
1205	Zone 5, N.S.	*590	(540–640)	520	(474–566)
1206	Zone 6, N.S.	*705	(661–749)	625	(584–666)
		*374	(354–395)	391	(370–411)
New Brunswick					
1301	Region 1, N.B. (Moncton area)	*693	(674–712)	658	(639–678)
1302	Region 2, N.B. (Saint John area)	*521	(489–554)	505	(473–537)
1303	Region 3, N.B. (Fredericton area)	*535	(501–570)	604	(568–640)
1306	Region 6, N.B. (Bathurst area)	*770	(727–812)	749	(707–791)
		*800	(738–862)	..	.. ..
Quebec					
2401	Bas-Saint-Laurent	*389	(385–394)	..	.. ..
2402	Saguenay–Lac-Saint-Jean	403	(376–430)	..	.. ..
2403	Capitale nationale	*588	(558–617)	..	.. ..
2404	Mauricie et Centre-du-Québec	*275	(262–287)	..	.. ..
2405	Estrie	422	(404–441)	..	.. ..
2406	Montréal	397	(374–419)	..	.. ..
2407	Outaouais	*312	(303–320)	..	.. ..
2408	Abitibi-Témiscamingue	*373	(351–394)	..	.. ..
2409	Côte-Nord	*719	(676–763)	..	.. ..
2411	Côte-Nord	*669	(616–721)	..	.. ..
2412	Gaspésie–Îles-de-la-Madeleine	*768	(715–822)	..	.. ..
2413	Chaudière–Appalaches	*321	(303–338)	..	.. ..
2414	Laval	*337	(317–356)	..	.. ..
2415	Lanaudière	422	(401–443)	..	.. ..
2416	Laurentides	*496	(476–516)	..	.. ..
	Montérégie	*393	(382–404)	..	.. ..
Ontario					
3501	Erie St. Clair	*373	(369–376)	364	(360–367)
3502	South West	*459	(442–475)	450	(434–467)
3503	South West	*392	(379–404)	375	(363–388)
3504	Waterloo Wellington	*366	(351–381)	337	(323–352)
3505	Hamilton Niagara Haldimand Brant	*452	(440–463)	451	(439–462)
3506	Central West	*303	(289–316)	315	(301–329)
3507	Mississauga Halton	*282	(271–293)	265	(254–275)
3508	Toronto Central	*260	(250–269)	248	(239–257)
3509	Central	*211	(203–218)	223	(215–231)
3510	Central East	*343	(333–353)	327	(318–337)
3511	South East	*464	(445–483)	429	(411–448)
3512	Champlain	*320	(309–330)	326	(315–336)
3513	North Simcoe Muskoka	*490	(468–511)	494	(473–515)
3514	North East	*648	(628–668)	658	(638–679)
	North West	*726	(692–760)	694	(661–727)
Manitoba					
4610	Winnipeg	*441	(428–453)	451	(438–463)
4630	Interlake	*324	(310–338)	324	(309–338)
4640	Central	*566	(515–617)	605	(551–659)
		*542	(494–589)	551	(503–598)

Map Code	Health Region	Ambulatory Care Sensitive Conditions			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Saskatchewan		*621	(605–636)	597	(582–612)
4704	Regina	*663	(629–697)	588	(557–620)
4706	Saskatoon	399	(375–423)	384	(360–408)
4709	Prince Albert	*586	(531–641)	563	(510–617)
Alberta		*444	(437–452)	430	(423–438)
4820	Chinook	*601	(561–641)	551	(513–589)
4821	Palliser	*594	(545–644)	619	(569–668)
4822	Calgary	*322	(311–334)	306	(295–317)
4823	David Thompson	*670	(639–702)	651	(620–681)
4824	East Central	*704	(656–752)	645	(598–692)
4825	Capital	*309	(298–321)	306	(294–317)
4826	Aspen	*788	(746–831)	758	(716–800)
4827	Peace Country	*885	(829–941)	904	(848–961)
British Columbia		*325	(320–331)	326	(321–332)
5911	East Kootenay	*573	(520–626)	512	(462–562)
5912	Kootenay Boundary	*459	(411–507)	501	(450–552)
5913	Okanagan	406	(384–429)	414	(391–436)
5914	Thompson/Cariboo	*455	(428–483)	433	(406–460)
5921	Fraser East	*357	(333–381)	348	(325–371)
5922	Fraser North	*271	(256–285)	258	(244–272)
5923	Fraser South	*265	(252–279)	287	(273–300)
5931	Richmond	*181	(160–201)	206	(183–229)
5932	Vancouver	*206	(194–219)	234	(221–247)
5933	North Shore	*251	(232–271)	252	(233–272)
5941	South Vancouver Island	*254	(235–272)	271	(252–291)
5942	Central Vancouver Island	422	(397–448)	398	(373–423)
5943	North Vancouver Island	*477	(437–517)	468	(428–508)
5951	Northwest	*622	(564–680)	571	(517–626)
5952	Northern Interior	*542	(503–581)	551	(511–590)
Yukon Territory		*608	(510–706)	645	(545–745)
Northwest Territories		*840	(724–956)	888	(769–1,007)
Nunavut		*875	(698–1,052)	1098	(898–1,299)
Canada		406	(403–408)	..	.. ..

Ambulatory care sensitive conditions (ACSC)

Age-standardized inpatient acute care hospitalization rate for conditions where appropriate ambulatory care prevents or reduces the need for hospitalization, per 100,000 population under age 75 years. Ambulatory care sensitive conditions hospitalizations are considered to be an indirect measure of access to appropriate medical care. While not all admissions for these conditions are avoidable, appropriate ambulatory care could potentially prevent the onset of this type of illness or condition, control an acute episodic illness or condition, or manage a chronic disease or condition. A disproportionately high rate is presumed to reflect problems in obtaining access to primary care.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI.

Map Code	Health Region	Hip Fracture Hospitalization				In-Hospital Hip Fracture	
		2003–2004		2004–2005		2003	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI	Rate/1,000	95% CI
Newfoundland and Labrador		595	(539–652)	593	(537–649)	0.9	(0.6–1.2)
1011	Eastern, N.L.	540	(468–612)	540	(469–610)	0.8	(0.4–1.2)
1012	Central, N.L.	524	(410–639)	655	(529–781)	*	* *
1013	Western, N.L.	571	(436–705)	542	(411–672)	*1.7	(1.0–2.4)
Prince Edward Island		510	(417–603)	577	(479–675)	1.1	(0.6–1.6)
Nova Scotia		517	(481–553)	472	(438–506)	*1.1	(0.9–1.3)
1201	Zone 1, N.S.	512	(426–598)	451	(368–534)	0.8	(0.4–1.3)
1202	Zone 2, N.S.	528	(410–646)	479	(370–589)	1.3	(0.7–2.0)
1203	Zone 3, N.S.	629	(516–741)	598	(488–707)	*1.7	(1.2–2.3)
1204	Zone 4, N.S.	476	(376–575)	540	(433–647)	0.9	(0.4–1.4)
1205	Zone 5, N.S.	523	(432–614)	511	(421–600)	0.9	(0.5–1.3)
1206	Zone 6, N.S.	*434	(376–492)	359	(307–412)	*1.2	(0.9–1.6)
New Brunswick		*614	(569–659)	531	(488–575)	0.9	(0.7–1.1)
1301	Region 1, N.B. (Moncton area)	531	(450–612)	499	(421–576)	0.6	(0.3–1.0)
1302	Region 2, N.B. (Saint John area)	*674	(580–767)	568	(480–656)	*1.5	(1.1–1.9)
1303	Region 3, N.B. (Fredericton area)	*651	(551–752)	619	(522–716)	0.9	(0.5–1.3)
1306	Region 6, N.B. (Bathurst area)	*355	(252–458)	..	.. ..	*	* *
Quebec		*467	(454–479)	..	.. ..	..	.. ..
2401	Bas-Saint-Laurent	*388	(324–451)	..	.. ..	..	.. ..
2402	Saguenay–Lac-Saint-Jean	*394	(329–460)	..	.. ..	..	.. ..
2403	Capitale nationale	*492	(450–534)	..	.. ..	..	.. ..
2404	Mauricie et Centre-du-Québec	*451	(406–496)	..	.. ..	..	.. ..
2405	Estrie	*476	(415–537)	..	.. ..	..	.. ..
2406	Montréal	*479	(455–503)	..	.. ..	..	.. ..
2407	Outaouais	*428	(360–497)	..	.. ..	..	.. ..
2408	Abitibi-Témiscamingue	531	(424–639)	..	.. ..	..	.. ..
2409	Côte-Nord	*305	(194–416)	..	.. ..	..	.. ..
2411	Gaspésie–Îles-de-la-Madeleine	472	(372–572)	..	.. ..	..	.. ..
2412	Chaudière–Appalaches	*432	(378–485)	..	.. ..	..	.. ..
2413	Laval	*456	(397–516)	..	.. ..	..	.. ..
2414	Lanaudière	*427	(365–489)	..	.. ..	..	.. ..
2415	Laurentides	*479	(419–538)	..	.. ..	..	.. ..
2416	Montréal	*474	(441–507)	..	.. ..	..	.. ..
Ontario		*570	(558–581)	553	(542–564)	*0.7	(0.6–0.7)
3501	Erie St. Clair	*610	(561–658)	502	(458–546)	*0.6	(0.4–0.8)
3502	South West	*673	(633–714)	630	(590–669)	0.7	(0.5–0.9)
3503	Waterloo Wellington	520	(472–567)	555	(507–603)	0.6	(0.4–0.9)
3504	Hamilton Niagara Haldimand Brant	533	(503–563)	518	(489–548)	*0.6	(0.4–0.7)
3505	Central West	*447	(397–497)	469	(419–519)	*0.5	(0.2–0.8)
3506	Mississauga Halton	533	(488–579)	594	(547–640)	0.7	(0.5–0.9)
3507	Toronto Central	*509	(475–542)	479	(447–511)	*0.6	(0.5–0.8)
3508	Central	*508	(475–540)	502	(470–533)	*0.5	(0.4–0.7)
3509	Central East	*492	(462–522)	517	(486–547)	*0.6	(0.4–0.7)
3510	South East	*628	(575–681)	624	(571–677)	1.0	(0.8–1.3)
3511	Champlain	512	(478–546)	502	(469–536)	0.8	(0.6–1.0)
3512	North Simcoe Muskoka	*819	(748–891)	800	(730–870)	0.6	(0.3–0.9)
3513	North East	*625	(573–677)	626	(575–678)	0.8	(0.5–1.0)
3514	North West	540	(464–616)	562	(484–641)	0.8	(0.5–1.2)
Manitoba		525	(492–558)	442	(412–471)	..	.. ..
4610	Winnipeg	*397	(359–435)	339	(306–373)	..	.. ..
4630	Interlake	*844	(682–1,007)	723	(576–871)	..	.. ..
4640	Central	556	(443–669)	545	(431–659)	..	.. ..

Map Code	Health Region	Hip Fracture Hospitalization				In-Hospital Hip Fracture	
		2003–2004		2004–2005		2003	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI	Rate/1,000	95% CI
Saskatchewan		*617	(581–653)	634	(598–671)	0.8	(0.6–1.0)
4704	Regina	561	(489–633)	541	(470–613)	0.6	(0.2–0.9)
4706	Saskatoon	541	(472–611)	538	(471–604)	1.0	(0.7–1.4)
4709	Prince Albert	459	(345–573)	566	(443–690)	*	* *
Alberta		560	(535–584)	561	(538–585)	*1.1	(1.0–1.2)
4820	Chinook	*438	(353–523)	374	(296–452)	*1.6	(1.2–2.0)
4821	Palliser	576	(458–694)	636	(516–757)	*	* *
4822	Calgary	538	(496–580)	528	(488–569)	*1.1	(0.9–1.3)
4823	David Thompson	*702	(615–788)	784	(694–875)	*1.7	(1.4–2.0)
4824	East Central	596	(491–701)	574	(474–674)	*1.6	(1.2–2.0)
4825	Capital	507	(466–548)	505	(465–545)	0.7	(0.5–0.9)
4826	Aspen	655	(543–766)	684	(572–795)	1.1	(0.6–1.5)
4827	Peace Country	651	(500–801)	758	(597–918)	*	* *
British Columbia		*578	(560–597)	522	(505–539)	*1.1	(1.0–1.1)
5911	East Kootenay	*902	(734–1,070)	644	(504–784)	*	* *
5912	Kootenay Boundary	503	(391–615)	446	(339–552)	1.2	(0.6–1.8)
5913	Okanagan	573	(518–628)	534	(482–585)	1.0	(0.7–1.2)
5914	Thompson/Cariboo	*716	(622–811)	611	(526–696)	0.9	(0.6–1.3)
5921	Fraser East	602	(526–678)	477	(411–543)	0.8	(0.4–1.1)
5922	Fraser North	*662	(603–722)	613	(556–671)	0.9	(0.7–1.2)
5923	Fraser South	*617	(561–672)	580	(530–629)	*1.3	(1.1–1.6)
5931	Richmond	489	(400–577)	498	(409–588)	1.3	(0.8–1.8)
5932	Vancouver	543	(495–591)	404	(362–447)	*1.1	(0.9–1.3)
5933	North Shore	574	(504–644)	482	(419–545)	0.9	(0.6–1.3)
5941	South Vancouver Island	*364	(323–406)	367	(325–410)	1.0	(0.7–1.2)
5942	Central Vancouver Island	583	(515–652)	571	(505–637)	*1.2	(0.8–1.5)
5943	North Vancouver Island	602	(482–723)	701	(576–827)	*1.6	(1.1–2.1)
5951	Northwest	*962	(721–1,203)	1,037	(788–1,286)	*	* *
5952	Northern Interior	629	(488–771)	741	(593–888)	1.1	(0.6–1.7)
Yukon Territory		806	(386–1,226)	770	(359–1,182)	*3.1	(1.7–4.5)
Northwest Territories		*1,869	(1,219–2,519)	1,056	(568–1,544)	*	* *
Nunavut		*1,642	(622–2,662)	*	* *	..	.. ..
Canada		545	(538–552)	..	.. ..	0.8	

Hip fracture hospitalization

Age-standardized acute care hospitalization rate for fracture of the hip, per 100,000 population aged 65 and over. Hip fractures occur for various reasons, including environmental hazards, the prescription of potentially inappropriate psychotropic medications to the ambulatory elderly and safety issues in long-term care facilities. As well as causing disability or death, hip fracture may have a major effect on independence and quality of life.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI.

In-hospital hip fracture

The risk-adjusted rate of in-hospital hip fracture among acute care inpatients aged 65 years and over, per 1,000 discharges. Rates are based on three years of pooled data, and the reference year reflects the mid-point of the three-year period. This indicator represents a potentially preventable complication resulting from an inpatient stay in an acute care facility. Variations in the rates may be attributed to numerous factors, including hospital processes, environmental safety and availability of nursing care. High rates may prompt investigation of potential quality of care deficiencies.

Source: Discharge Abstract Database, CIHI.

Map Code	Health Region	Hip Replacement			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Newfoundland and Labrador		*56.2	(50.3–62.2)	50.1	(44.6–55.7)
1011	Eastern, N.L.	64.3	(55.7–72.8)	48.8	(41.4–56.3)
1012	Central, N.L.	*41.3	(30.2–52.3)	47.9	(36.5–59.2)
1013	Western, N.L.	55.2	(41.1–69.3)	47.0	(34.2–59.8)
Prince Edward Island		*84.6	(70.2–99.0)	86.6	(72.5–100.7)
Nova Scotia		*72.4	(67.4–77.3)	76.4	(71.3–81.4)
1201	Zone 1, N.S.	76.8	(63.8–89.8)	74.2	(61.4–87.0)
1202	Zone 2, N.S.	*90.0	(72.0–107.9)	75.9	(59.8–91.9)
1203	Zone 3, N.S.	66.3	(53.0–79.6)	84.2	(69.3–99.1)
1204	Zone 4, N.S.	*81.7	(65.5–97.8)	72.7	(57.0–88.5)
1205	Zone 5, N.S.	77.8	(64.6–91.1)	73.0	(60.6–85.5)
1206	Zone 6, N.S.	59.6	(52.1–67.1)	77.2	(68.7–85.7)
New Brunswick		*58.7	(53.6–63.7)	64.4	(58.9–70.0)
1301	Region 1, N.B. (Moncton area)	56.7	(46.9–66.6)	66.1	(55.9–76.3)
1302	Region 2, N.B. (Saint John area)	66.5	(55.1–77.8)	69.2	(57.8–80.6)
1303	Region 3, N.B. (Fredericton area)	63.9	(52.4–75.3)	67.6	(55.9–79.2)
1306	Region 6, N.B. (Bathurst area)	*30.4	(19.4–41.4)	..	.. ..
Quebec		*46.1	(44.7–47.6)	..	.. ..
2401	Bas-Saint-Laurent	*54.1	(45.3–62.8)	..	.. ..
2402	Saguenay–Lac-Saint-Jean	*37.1	(30.4–43.7)	..	.. ..
2403	Capitale nationale	*45.7	(41.1–50.3)	..	.. ..
2404	Mauricie et Centre-du-Québec	*44.4	(39.2–49.6)	..	.. ..
2405	Estrie	*42.4	(35.9–49.0)	..	.. ..
2406	Montréal	*46.0	(43.2–48.8)	..	.. ..
2407	Outaouais	*45.4	(38.1–52.7)	..	.. ..
2408	Abitibi-Témiscamingue	*49.6	(38.7–60.4)	..	.. ..
2409	Côte-Nord	*43.7	(30.8–56.6)	..	.. ..
2411	Gaspésie–Îles-de-la-Madeleine	*42.0	(31.1–53.0)	..	.. ..
2412	Chaudière–Appalaches	*56.9	(50.1–63.8)	..	.. ..
2413	Laval	*47.8	(41.2–54.4)	..	.. ..
2414	Lanaudière	*45.4	(39.1–51.7)	..	.. ..
2415	Laurentides	*48.3	(42.4–54.3)	..	.. ..
2416	Montérégie	*44.6	(41.2–48.0)	..	.. ..
Ontario		*70.5	(69.1–71.9)	74.8	(73.3–76.2)
3501	Erie St. Clair	*72.4	(66.3–78.5)	79.7	(73.3–86.0)
3502	South West	*83.7	(78.3–89.1)	96.7	(91.0–102.5)
3503	Waterloo Wellington	*72.9	(66.5–79.2)	73.1	(66.7–79.4)
3504	Hamilton Niagara Haldimand Brant	*80.7	(76.3–85.0)	81.2	(76.9–85.5)
3505	Central West	*49.0	(43.5–54.6)	51.8	(46.2–57.3)
3506	Mississauga Halton	*73.7	(68.2–79.3)	73.6	(68.2–79.1)
3507	Toronto Central	*56.3	(52.2–60.3)	61.3	(57.0–65.5)
3508	Central	*60.8	(56.9–64.7)	67.7	(63.6–71.8)
3509	Central East	67.6	(63.6–71.6)	69.8	(65.8–73.8)
3510	South East	*84.1	(76.9–91.3)	96.8	(89.2–104.5)
3511	Champlain	64.1	(59.8–68.5)	69.2	(64.8–73.7)
3512	North Simcoe Muskoka	71.9	(64.3–79.4)	81.8	(74.0–89.7)
3513	North East	68.5	(62.5–74.4)	73.8	(67.6–80.0)
3514	North West	*83.3	(72.6–94.1)	86.8	(75.8–97.8)
Manitoba		*70.7	(66.1–75.2)	67.3	(62.9–71.8)
4610	Winnipeg	66.6	(60.7–72.4)	64.6	(58.9–70.3)
4630	Interlake	63.9	(48.1–79.7)	76.3	(59.2–93.4)
4640	Central	81.7	(64.8–98.7)	67.6	(51.8–83.4)

Map Code	Health Region	Hip Replacement			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Saskatchewan		*76.0	(71.0–81.0)	80.7	(75.5–85.8)
4704	Regina	56.8	(48.0–65.6)	77.0	(66.6–87.5)
4706	Saskatoon	*89.2	(78.5–99.9)	91.5	(80.7–102.3)
4709	Prince Albert	66.5	(49.3–83.8)	79.5	(61.2–97.8)
Alberta		*80.5	(77.2–83.7)	77.9	(74.8–81.0)
4820	Chinook	76.2	(62.7–89.6)	95.0	(80.2–109.7)
4821	Palliser	73.4	(57.8–89.1)	78.6	(62.3–94.9)
4822	Calgary	*77.8	(72.4–83.3)	77.8	(72.5–83.1)
4823	David Thompson	*95.7	(84.2–107.2)	96.9	(85.5–108.3)
4824	East Central	73.5	(59.3–87.7)	72.5	(58.5–86.5)
4825	Capital	*80.7	(75.1–86.4)	71.1	(65.9–76.3)
4826	Aspen	70.5	(57.9–83.1)	67.3	(55.3–79.4)
4827	Peace Country	*99.6	(80.2–119.0)	100.1	(80.8–119.4)
British Columbia		*69.3	(67.0–71.6)	75.1	(72.7–77.4)
5911	East Kootenay	*95.1	(75.9–114.2)	104.6	(84.5–124.8)
5912	Kootenay Boundary	*98.7	(80.2–117.2)	99.5	(80.9–118.1)
5913	Okanagan	*83.6	(75.3–91.9)	90.9	(82.4–99.5)
5914	Thompson/Cariboo	*85.0	(74.0–95.9)	87.8	(76.8–98.9)
5921	Fraser East	73.0	(63.3–82.8)	78.1	(68.1–88.1)
5922	Fraser North	*54.8	(48.7–60.8)	61.3	(54.9–67.7)
5923	Fraser South	64.8	(58.7–70.9)	68.5	(62.5–74.5)
5931	Richmond	*46.5	(36.9–56.1)	50.2	(39.9–60.5)
5932	Vancouver	*40.8	(35.8–45.8)	41.6	(36.6–46.6)
5933	North Shore	73.9	(64.6–83.2)	88.5	(78.5–98.6)
5941	South Vancouver Island	*79.3	(71.2–87.5)	87.9	(79.6–96.3)
5942	Central Vancouver Island	*84.7	(75.0–94.4)	88.8	(79.2–98.4)
5943	North Vancouver Island	68.4	(54.4–82.5)	108.8	(91.6–126.0)
5951	Northwest	60.2	(41.5–78.8)	88.4	(66.4–110.4)
5952	Northern Interior	*94.9	(78.0–111.9)	75.1	(60.4–89.7)
Yukon Territory		71.7	(37.6–105.8)	57.4	(26.3–88.6)
Northwest Territories		97.0	(53.3–140.8)	99.1	(58.0–140.1)
Nunavut		*	* *	69.0	(5.8–132.3)
Canada		64.9	(64.1–65.8)	..	.. ..

Hip replacement

Age-standardized rate of unilateral or bilateral hip replacement surgery performed on inpatients in acute care hospitals, per 100,000 population. Hip replacement surgery has the potential to improve functional status and reduce pain, as well as contribute to other gains in health-related quality of life. Over the past two decades, rates of hip replacement surgery have increased substantially. Wide inter-regional variation in joint replacement rates may be attributable to numerous factors, including the availability of services, provider practice patterns and patient preferences.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI; Quebec's ministère de la Santé et des Services sociaux.

Map Code	Health Region	Knee Replacement			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Newfoundland and Labrador		*62.9	(56.5–69.3)	66.7	(60.2–73.2)
1011	Eastern, N.L.	*56.4	(48.2–64.6)	48.4	(40.9–55.9)
1012	Central, N.L.	75.2	(60.4–89.9)	81.2	(65.9–96.4)
1013	Western, N.L.	*63.3	(48.0–78.6)	103.5	(84.2–122.8)
Prince Edward Island		*100.2	(84.7–115.6)	106.2	(90.4–122.0)
Nova Scotia		*97.5	(91.7–103.3)	103.9	(98.0–109.8)
1201	Zone 1, N.S.	86.2	(72.5–99.9)	86.8	(73.1–100.6)
1202	Zone 2, N.S.	91.6	(73.4–109.8)	106.0	(86.8–125.2)
1203	Zone 3, N.S.	88.8	(73.2–104.3)	110.2	(93.1–127.4)
1204	Zone 4, N.S.	95.5	(78.3–112.7)	95.6	(78.5–112.6)
1205	Zone 5, N.S.	*123.3	(107.1–139.6)	133.3	(116.5–150.2)
1206	Zone 6, N.S.	*95.1	(85.3–104.8)	98.7	(89.0–108.4)
New Brunswick		*94.0	(87.6–100.4)	100.1	(93.2–107.0)
1301	Region 1, N.B. (Moncton area)	92.0	(79.5–104.5)	89.8	(77.6–101.9)
1302	Region 2, N.B. (Saint John area)	*125.0	(109.8–140.2)	122.4	(107.4–137.4)
1303	Region 3, N.B. (Fredericton area)	*108.0	(93.1–122.9)	111.8	(96.8–126.8)
1306	Region 6, N.B. (Bathurst area)	*46.9	(33.4–60.4)	..	.. ..
Quebec		*58.8	(57.2–60.4)	..	.. ..
2401	Bas-Saint-Laurent	*68.7	(58.8–78.6)	..	.. ..
2402	Saguenà–Lac-Saint-Jean	*97.9	(87.4–108.5)	..	.. ..
2403	Capitale nationale	*57.5	(52.3–62.6)	..	.. ..
2404	Mauricie et Centre-du-Québec	*67.6	(61.4–73.9)	..	.. ..
2405	Estrie	*46.8	(39.8–53.7)	..	.. ..
2406	Montréal	*49.4	(46.5–52.3)	..	.. ..
2407	Outaouais	*73.4	(64.2–82.7)	..	.. ..
2408	Abitibi-Témiscamingue	*66.7	(54.1–79.4)	..	.. ..
2409	Côte-Nord	*64.5	(48.8–80.1)	..	.. ..
2411	Gaspésie–Îles-de-la-Madeleine	80.0	(65.1–95.0)	..	.. ..
2412	Chaudière–Appalaches	*67.9	(60.4–75.4)	..	.. ..
2413	Laval	*53.2	(46.3–60.0)	..	.. ..
2414	Lanaudière	*53.3	(46.4–60.2)	..	.. ..
2415	Laurentides	*51.4	(45.2–57.5)	..	.. ..
2416	Montréal	*56.1	(52.3–59.9)	..	.. ..
Ontario		*94.5	(92.9–96.1)	107.0	(105.3–108.7)
3501	Erie St. Clair	*98.1	(91.0–105.2)	117.4	(109.7–125.2)
3502	South West	*108.9	(102.8–115.1)	122.8	(116.4–129.3)
3503	Waterloo Wellington	*96.0	(88.7–103.4)	101.9	(94.4–109.4)
3504	Hamilton Niagara Haldimand Brant	*105.0	(100.0–109.9)	116.9	(111.7–122.1)
3505	Central West	*94.4	(86.7–102.2)	115.1	(106.7–123.4)
3506	Mississauga Halton	*89.3	(83.1–95.5)	104.4	(97.9–111.0)
3507	Toronto Central	*57.6	(53.5–61.8)	66.0	(61.5–70.5)
3508	Central	79.0	(74.5–83.5)	91.3	(86.5–96.1)
3509	Central East	*91.9	(87.2–96.6)	116.1	(110.9–121.3)
3510	South East	*122.3	(113.7–130.9)	129.5	(120.8–138.2)
3511	Champlain	*90.2	(85.0–95.4)	97.8	(92.5–103.2)
3512	North Simcoe Muskoka	*106.9	(97.8–116.0)	116.5	(107.2–125.9)
3513	North East	*98.7	(91.6–105.8)	112.1	(104.6–119.5)
3514	North West	*118.5	(105.8–131.3)	140.1	(126.3–154.0)
Manitoba		*97.5	(92.1–102.9)	93.2	(88.0–98.5)
4610	Winnipeg	*92.9	(85.9–99.9)	95.4	(88.4–102.4)
4630	Interlake	102.5	(82.3–122.6)	98.7	(79.2–118.2)
4640	Central	75.7	(59.7–91.8)	90.2	(72.3–108.0)

Map Code	Health Region	Knee Replacement			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Saskatchewan		*109.1	(103.0–115.1)	120.9	(114.5–127.2)
4704	Regina	85.8	(74.8–96.9)	93.3	(81.7–104.9)
4706	Saskatoon	*126.9	(114.1–139.8)	155.2	(141.0–169.3)
4709	Prince Albert	93.3	(73.0–113.6)	86.7	(67.2–106.1)
Alberta		*96.2	(92.6–99.7)	101.3	(97.7–104.9)
4820	Chinook	*139.3	(121.0–157.6)	156.8	(137.5–176.1)
4821	Palliser	*104.4	(85.4–123.3)	123.6	(103.4–143.9)
4822	Calgary	81.7	(76.0–87.4)	89.7	(83.9–95.6)
4823	David Thompson	*125.1	(111.8–138.4)	112.0	(99.7–124.3)
4824	East Central	*107.8	(90.5–125.1)	101.3	(84.7–117.8)
4825	Capital	*91.9	(85.8–98.0)	94.5	(88.5–100.6)
4826	Aspen	94.7	(80.2–109.2)	117.5	(101.6–133.4)
4827	Peace Country	*104.9	(84.9–125.0)	128.1	(106.4–149.9)
British Columbia		*73.3	(70.9–75.7)	94.9	(92.2–97.6)
5911	East Kootenay	88.5	(69.9–107.1)	149.1	(124.9–173.2)
5912	Kootenay Boundary	*105.7	(86.8–124.7)	143.5	(121.3–165.7)
5913	Okanagan	*100.3	(91.3–109.4)	124.1	(114.2–133.9)
5914	Thompson/Cariboo	*102.9	(90.9–114.9)	120.0	(107.2–132.8)
5921	Fraser East	*99.8	(88.2–111.3)	115.9	(103.5–128.2)
5922	Fraser North	*52.8	(46.7–58.9)	74.8	(67.6–82.0)
5923	Fraser South	*71.1	(64.7–77.5)	96.2	(89.1–103.3)
5931	Richmond	*45.8	(36.1–55.5)	71.5	(59.4–83.6)
5932	Vancouver	*33.1	(28.6–37.6)	50.5	(44.8–56.1)
5933	North Shore	77.0	(67.6–86.4)	107.0	(96.0–118.0)
5941	South Vancouver Island	*58.8	(52.0–65.7)	69.7	(62.2–77.3)
5942	Central Vancouver Island	78.4	(69.2–87.6)	103.6	(93.1–114.0)
5943	North Vancouver Island	*108.6	(91.2–126.0)	144.2	(124.3–164.0)
5951	Northwest	*56.6	(38.7–74.6)	70.3	(51.0–89.7)
5952	Northern Interior	*122.3	(103.1–141.5)	116.2	(98.0–134.4)
Yukon Territory		65.0	(32.2–97.8)	44.6	(16.8–72.4)
Northwest Territories		*135.5	(84.7–186.4)	138.8	(87.1–190.4)
Nunavut		117.2	(31.2–203.3)	278.6	(173.7–383.5)
Canada		83.0	(82.1–83.9)	..	.. ..

Knee replacement

Age-standardized rate of unilateral or bilateral knee replacement surgery performed on inpatients in acute care hospitals, per 100,000 population. Knee replacement surgery has the potential to improve functional status and reduce pain, as well as contribute to other gains in health-related quality of life. Over the past two decades, rates of knee replacement surgery have increased substantially. Wide inter-regional variation in joint replacement rates may be attributable to numerous factors, including the availability of services, provider practice patterns and patient preferences. As of 2003–2004, rates include revisions to knee replacements for all provinces and territories. Previously, rates for Quebec may have been underestimated due to data issues, which did not permit the identification of knee replacement revisions.

Note that in 2003–2004, 6.5% of knee replacements provided in Quebec were revisions.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI; Quebec's ministère de la Santé et des Services sociaux.

Map Code	Health Region	Hysterectomy			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Newfoundland and Labrador					
		*510	(479–542)	434	(406–463)
1011	Eastern, N.L.	*482	(442–521)	431	(394–468)
1012	Central, N.L.	*481	(410–553)	400	(337–463)
1013	Western, N.L.	*714	(617–811)	506	(428–583)
Prince Edward Island					
		*628	(558–699)	591	(524–658)
Nova Scotia					
		*509	(486–533)	490	(467–513)
1201	Zone 1, N.S.	*573	(500–647)	496	(431–561)
1202	Zone 2, N.S.	*638	(543–732)	679	(582–777)
1203	Zone 3, N.S.	*658	(578–739)	716	(630–802)
1204	Zone 4, N.S.	*525	(447–604)	618	(533–703)
1205	Zone 5, N.S.	*570	(501–639)	456	(395–518)
1206	Zone 6, N.S.	403	(372–434)	381	(351–411)
New Brunswick					
		*611	(582–641)	490	(463–518)
1301	Region 1, N.B. (Moncton area)	*598	(541–654)	551	(497–604)
1302	Region 2, N.B. (Saint John area)	*497	(443–550)	425	(375–474)
1303	Region 3, N.B. (Fredericton area)	*494	(439–549)	447	(394–499)
1306	Region 6, N.B. (Bathurst area)	*942	(833–1052)	..	.. ..
Quebec					
		*356	(350–363)	..	.. ..
2401	Bas-Saint-Laurent	*619	(561–676)	..	.. ..
2402	Saguenay–Lac-Saint-Jean	*740	(687–793)	..	.. ..
2403	Capitale nationale	386	(363–410)	..	.. ..
2404	Mauricie et Centre-du-Québec	393	(363–422)	..	.. ..
2405	Estrie	*454	(414–494)	..	.. ..
2406	Montréal	*233	(223–244)	..	.. ..
2407	Outaouais	*260	(233–288)	..	.. ..
2408	Abitibi-Témiscamingue	*523	(461–584)	..	.. ..
2409	Côte-Nord	*466	(401–532)	..	.. ..
2411	Gaspésie–Îles-de-la-Madeleine	*460	(389–531)	..	.. ..
2412	Chaudière–Appalaches	*482	(447–518)	..	.. ..
2413	Laval	*269	(244–295)	..	.. ..
2414	Lanaudière	*323	(296–351)	..	.. ..
2415	Laurentides	*300	(276–324)	..	.. ..
2416	Montérégie	385	(369–402)	..	.. ..
Ontario					
		*337	(332–342)	338	(333–343)
3501	Erie St. Clair	*511	(483–540)	494	(466–522)
3502	South West	*469	(446–492)	455	(433–478)
3503	Waterloo Wellington	*439	(414–465)	417	(393–442)
3504	Hamilton Niagara Haldimand Brant	387	(370–404)	391	(374–408)
3505	Central West	*248	(230–267)	269	(250–288)
3506	Mississauga Halton	*217	(202–231)	206	(193–220)
3507	Toronto Central	*146	(135–157)	165	(154–177)
3508	Central	*215	(204–227)	228	(217–240)
3509	Central East	*335	(320–350)	349	(334–365)
3510	South East	355	(327–382)	347	(319–374)
3511	Champlain	366	(349–383)	362	(345–379)
3512	North Simcoe Muskoka	*405	(374–437)	385	(354–415)
3513	North East	*674	(638–710)	674	(638–710)
3514	North West	387	(346–429)	427	(383–471)
Manitoba					
		376	(358–394)	343	(326–361)
4610	Winnipeg	*316	(295–338)	308	(286–330)
4630	Interlake	408	(332–484)	337	(272–402)
4640	Central	435	(366–503)	355	(293–417)

Map Code	Health Region	Hysterectomy			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Saskatchewan					
4704	Regina	349	(311–386)	326	(289–362)
4706	Saskatoon	*421	(382–460)	404	(365–442)
4709	Prince Albert	375	(299–451)	296	(228–363)
Alberta					
4820	Chinook	*397	(386–409)	395	(384–406)
4821	Palliser	*574	(507–641)	640	(570–710)
4822	Calgary	*587	(504–670)	510	(435–586)
4823	David Thompson	*329	(312–346)	342	(325–359)
4823	David Thompson	*512	(468–556)	471	(429–513)
4824	East Central	*461	(393–529)	560	(485–635)
4825	Capital	377	(357–396)	360	(341–379)
4826	Aspen	417	(366–469)	411	(359–462)
4827	Peace Country	*446	(384–509)	375	(319–432)
British Columbia					
5911	East Kootenay	377	(368–386)	337	(328–346)
5912	Kootenay Boundary	*658	(564–751)	457	(380–534)
5913	Okanagan	*528	(443–614)	376	(303–450)
5914	Thompson/Cariboo	*465	(426–504)	426	(389–464)
5921	Fraser East	*672	(613–731)	585	(530–639)
5921	Fraser East	*589	(538–639)	581	(532–630)
5922	Fraser North	*342	(318–366)	289	(267–311)
5923	Fraser South	362	(338–386)	298	(277–320)
5931	Richmond	*230	(196–264)	194	(163–224)
5932	Vancouver	*212	(194–230)	195	(178–212)
5933	North Shore	*236	(208–264)	223	(196–249)
5941	South Vancouver Island	364	(332–395)	312	(283–342)
5942	Central Vancouver Island	*483	(437–530)	505	(457–553)
5943	North Vancouver Island	392	(333–452)	495	(429–562)
5951	Northwest	*472	(395–550)	432	(357–506)
5952	Northern Interior	*488	(428–547)	451	(395–508)
Yukon Territory					
		458	(332–585)	310	(207–413)
Northwest Territories					
		*210	(134–285)	206	(130–281)
Nunavut					
		*168	(40–295)	231	(119–342)
Canada					
		373	(369–376)	..	.. ..

Hysterectomy

Age-standardized rate of hysterectomy provided to inpatients in acute care hospitals, per 100,000 women aged 20 and over. As with other types of surgical procedures, variations in hysterectomy rates can be attributed to numerous factors, including differences in population demographics, physician practice patterns and availability of services.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI; Quebec's ministère de la Santé et des Services sociaux.

Map Code	Health Region	Percutaneous Coronary Intervention			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Newfoundland and Labrador					
	1011 Eastern, N.L.	*145.8	(134.7–156.9)	132.1	(121.6–142.6)
	1012 Central, N.L.	162.8	(147.0–178.5)	154.5	(139.2–169.7)
	1013 Western, N.L.	*119.6	(97.4–141.9)	95.5	(76.2–114.8)
		*99.6	(77.6–121.7)	92.9	(71.5–114.3)
Prince Edward Island					
		*120.8	(101.1–140.5)	153.3	(131.3–175.2)
Nova Scotia					
	1201 Zone 1, N.S.	*142.9	(134.8–151.1)	166.8	(158.1–175.6)
	1202 Zone 2, N.S.	*136.4	(115.7–157.1)	144.7	(123.1–166.3)
	1203 Zone 3, N.S.	*108.4	(85.4–131.5)	125.4	(100.2–150.5)
	1204 Zone 4, N.S.	*135.8	(113.1–158.6)	161.2	(136.6–185.9)
	1205 Zone 5, N.S.	*107.1	(84.9–129.4)	127.8	(104.0–151.5)
	1206 Zone 6, N.S.	185.3	(161.4–209.2)	206.5	(181.2–231.7)
		*143.7	(130.2–157.2)	174.1	(159.5–188.7)
New Brunswick					
	1301 Region 1, N.B. (Moncton area)	*182.9	(172.5–193.3)	198.7	(188.0–209.3)
	1302 Region 2, N.B. (Saint John area)	*144.7	(126.5–162.8)	177.8	(158.1–197.4)
	1303 Region 3, N.B. (Fredericton area)	*243.7	(218.6–268.9)	277.4	(251.2–303.7)
	1306 Region 6, N.B. (Bathurst area)	150.2	(130.1–170.3)	194.6	(171.6–217.6)
		149.1	(121.4–176.8)	217.6	(184.7–250.4)
Quebec					
	2401 Bas-Saint-Laurent	*200.0	(196.6–203.4)	..	.. ..
	2402 Saguenay–Lac-Saint-Jean	*188.5	(169.3–207.8)	..	.. ..
	2403 Capitale nationale	*203.0	(185.7–220.3)	..	.. ..
	2404 Mauricie et Centre-du-Québec	*221.8	(210.1–233.5)	..	.. ..
	2405 Estrie	*208.4	(195.3–221.4)	..	.. ..
	2406 Montréal	*273.5	(253.7–293.3)	..	.. ..
	2407 Outaouais	*186.7	(180.1–193.3)	..	.. ..
	2408 Abitibi-Témiscamingue	*109.5	(96.7–122.3)	..	.. ..
	2409 Côte-Nord	168.3	(145.4–191.2)	..	.. ..
	2411 Gaspésie–Îles-de-la-Madeleine	*248.2	(213.2–283.1)	..	.. ..
	2412 Chaudière–Appalaches	*292.4	(258.6–326.3)	..	.. ..
	2413 Laval	*209.0	(193.9–224.2)	..	.. ..
	2414 Lanaudière	179.7	(165.1–194.4)	..	.. ..
	2415 Laurentides	*238.7	(222.2–255.2)	..	.. ..
	2416 Montérégie	178.5	(165.6–191.4)	..	.. ..
		*196.0	(187.8–204.1)	..	.. ..
Ontario					
	3501 Erie St. Clair	*148.2	(145.8–150.6)	164.1	(161.6–166.6)
	3502 South West	*97.9	(89.5–106.2)	119.8	(110.6–128.9)
	3503 Waterloo Wellington	*100.4	(93.4–107.4)	110.1	(102.9–117.4)
	3504 Hamilton Niagara Haldimand Brant	*110.9	(101.8–120.0)	125.7	(116.2–135.3)
	3505 Central West	*151.3	(144.3–158.3)	172.7	(165.3–180.2)
	3506 Mississauga Halton	*137.6	(127.1–148.1)	163.0	(151.7–174.2)
	3507 Toronto Central	161.1	(151.7–170.4)	157.3	(148.2–166.4)
	3508 Central	*114.9	(108.0–121.8)	139.5	(131.9–147.1)
	3509 Central East	*141.2	(134.3–148.1)	155.0	(147.9–162.2)
	3510 South East	*149.4	(142.4–156.3)	156.1	(149.0–163.1)
	3511 Champlain	*229.6	(215.6–243.5)	242.4	(228.2–256.6)
	3512 North Simcoe Muskoka	173.4	(165.0–181.7)	191.9	(183.2–200.6)
	3513 North East	*148.9	(136.2–161.6)	174.0	(160.6–187.4)
	3514 North West	*193.9	(182.2–205.6)	240.0	(227.1–252.9)
		156.9	(139.7–174.2)	178.9	(160.6–197.1)
Manitoba					
	4610 Winnipeg	*126.3	(119.1–133.5)	126.0	(118.8–133.1)
	4630 Interlake	*132.0	(122.2–141.7)	131.3	(121.6–141.1)
	4640 Central	*121.1	(95.2–147.1)	108.0	(83.9–132.2)
		*103.1	(80.5–125.8)	105.5	(82.9–128.0)

Map Code	Health Region	Percutaneous Coronary Intervention			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Saskatchewan		*157.5	(148.9–166.0)	179.1	(170.0–188.1)
4704	Regina	*150.1	(132.8–167.4)	172.1	(153.9–190.3)
4706	Saskatoon	*200.4	(181.7–219.1)	198.1	(179.6–216.6)
4709	Prince Albert	*126.7	(99.3–154.2)	193.9	(159.1–228.7)
Alberta		*179.6	(174.1–185.2)	193.6	(188.0–199.3)
4820	Chinook	157.4	(134.4–180.4)	136.5	(115.7–157.4)
4821	Palliser	152.7	(125.2–180.2)	165.0	(136.8–193.2)
4822	Calgary	*182.2	(172.5–191.8)	192.0	(182.2–201.7)
4823	David Thompson	162.9	(145.5–180.3)	183.7	(165.6–201.8)
4824	East Central	146.9	(122.8–171.0)	176.9	(150.9–202.9)
4825	Capital	*178.6	(168.9–188.3)	198.8	(188.7–208.9)
4826	Aspen	*197.6	(173.4–221.8)	224.7	(199.1–250.3)
4827	Peace Country	*237.6	(203.5–271.7)	239.8	(205.7–273.8)
British Columbia		*171.8	(167.5–176.2)	180.2	(175.9–184.5)
5911	East Kootenay	167.2	(137.5–196.9)	169.0	(139.8–198.1)
5912	Kootenay Boundary	*135.8	(109.6–161.9)	150.0	(122.9–177.2)
5913	Okanagan	*137.7	(125.0–150.5)	131.3	(119.0–143.6)
5914	Thompson/Cariboo	*133.4	(117.3–149.4)	122.8	(107.7–137.9)
5921	Fraser East	*205.6	(186.0–225.3)	241.0	(220.2–261.9)
5922	Fraser North	*194.4	(181.0–207.8)	209.1	(195.4–222.8)
5923	Fraser South	*189.5	(177.4–201.6)	211.7	(199.5–223.9)
5931	Richmond	*125.6	(107.1–144.1)	115.6	(97.9–133.4)
5932	Vancouver	*128.9	(118.5–139.3)	134.8	(124.2–145.4)
5933	North Shore	*151.2	(135.8–166.6)	149.8	(134.6–164.9)
5941	South Vancouver Island	*196.0	(180.9–211.1)	196.7	(181.7–211.8)
5942	Central Vancouver Island	*234.8	(215.7–253.8)	227.7	(209.2–246.2)
5943	North Vancouver Island	*207.4	(179.4–235.4)	243.4	(213.3–273.5)
5951	Northwest	179.1	(143.1–215.2)	193.4	(156.2–230.5)
5952	Northern Interior	152.4	(128.6–176.2)	183.8	(157.8–209.8)
Yukon Territory		214.3	(147.4–281.2)	233.7	(160.1–307.4)
Northwest Territories		192.3	(126.5–258.2)	200.2	(134.0–266.4)
Nunavut		100.8	(31.2–170.4)	120.2	(42.0–198.5)
Canada		167.4	(165.8–168.9)	..	.. ..

Percutaneous coronary intervention (PCI)

Age-standardized rate of percutaneous coronary intervention performed on patients in acute care hospitals, same-day surgery facilities or catheterization laboratories, per 100,000 population aged 20 years and over. In many cases, PCI serves as a non-surgical alternative to coronary artery bypass graft (CABG) surgery and is undertaken for the purpose of opening obstructed coronary arteries. The choice of revascularization mode (i.e. PCI or CABG) depends on numerous factors including physician preferences, availability of services, referral patterns and differences in population health and socio-economic status.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI; Alberta Ambulatory Care Database, Alberta Health and Wellness.

Map Health Region
Code

Coronary Artery Bypass Graft Surgery

2003–2004

2004–2005

Age-Standardized Rate/100,000 95% CI

Age-Standardized Rate/100,000 95% CI

Newfoundland and Labrador

 1011 Eastern, N.L.
1012 Central, N.L.
1013 Western, N.L.

*143.1	(132.0–154.3)	133.9	(123.2–144.6)
*153.7	(138.1–169.3)	143.8	(128.9–158.7)
*137.8	(114.6–161.0)	134.2	(111.4–157.1)
96.1	(74.3–117.9)	94.7	(73.1–116.2)

Prince Edward Island

87.7	(70.8–104.7)	78.0	(62.2–93.8)
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Nova Scotia

 1201 Zone 1, N.S.
1202 Zone 2, N.S.
1203 Zone 3, N.S.
1204 Zone 4, N.S.
1205 Zone 5, N.S.
1206 Zone 6, N.S.

*121.4	(113.8–129.0)	93.5	(86.9–100.2)
108.0	(89.6–126.4)	92.7	(75.8–109.7)
100.6	(78.5–122.8)	82.8	(62.9–102.8)
*121.5	(99.8–143.2)	104.8	(84.6–125.0)
92.1	(72.0–112.1)	91.2	(71.5–110.9)
*132.8	(113.0–152.7)	98.7	(81.0–116.3)
*131.2	(118.0–144.4)	89.8	(79.0–100.6)

New Brunswick

 1301 Region 1, N.B. (Moncton area)
1302 Region 2, N.B. (Saint John area)
1303 Region 3, N.B. (Fredericton area)
1306 Region 6, N.B. (Bathurst area)

91.1	(83.7–98.5)	80.2	(73.4–87.1)
*78.7	(65.2–92.2)	86.5	(72.4–100.5)
94.9	(79.2–110.6)	94.0	(78.6–109.4)
92.7	(76.5–108.8)	91.1	(75.2–107.0)
*72.8	(53.4–92.1)	70.1	(51.4–88.7)

Quebec

 2401 Bas-Saint-Laurent
2402 Saguenay–Lac-Saint-Jean
2403 Capitale nationale
2404 Mauricie et Centre-du-Québec
2405 Estrie
2406 Montréal
2407 Outaouais
2408 Abitibi-Témiscamingue
2409 Côte-Nord
2411 Gaspésie–Îles-de-la-Madeleine
2412 Chaudière–Appalaches
2413 Laval
2414 Lanaudière
2415 Laurentides
2416 Montérégie

*97.7	(95.3–100.1)	..	.. ..
92.7	(79.4–106.0)	..	.. ..
82.5	(71.3–93.6)	..	.. ..
*106.1	(97.9–114.3)	..	.. ..
96.3	(87.5–105.2)	..	.. ..
87.9	(76.8–99.1)	..	.. ..
*86.7	(82.2–91.2)	..	.. ..
*72.2	(61.6–82.8)	..	.. ..
93.9	(76.7–111.1)	..	.. ..
99.9	(77.8–122.0)	..	.. ..
*129.9	(107.8–152.0)	..	.. ..
99.4	(88.9–109.9)	..	.. ..
91.3	(80.7–101.9)	..	.. ..
101.0	(90.3–111.8)	..	.. ..
*112.1	(101.7–122.5)	..	.. ..
*111.4	(105.1–117.6)	..	.. ..

Ontario

 3501 Erie St. Clair
3502 South West
3503 Waterloo Wellington
3504 Hamilton Niagara Haldimand Brant
3505 Central West
3506 Mississauga Halton
3507 Toronto Central
3508 Central
3509 Central East
3510 South East
3511 Champlain
3512 North Simcoe Muskoka
3513 North East
3514 North West

*91.1	(89.2–93.0)	90.8	(89.0–92.7)
94.6	(86.3–102.9)	82.0	(74.4–89.6)
*83.5	(77.1–89.9)	84.5	(78.1–90.8)
*84.0	(76.0–92.1)	82.9	(75.0–90.8)
*103.8	(98.0–109.7)	106.1	(100.3–111.9)
*110.9	(101.2–120.6)	108.9	(99.4–118.3)
*106.6	(98.8–114.4)	107.0	(99.4–114.7)
*59.6	(54.6–64.6)	66.7	(61.5–72.0)
*84.6	(79.2–90.1)	83.4	(78.1–88.7)
92.2	(86.6–97.7)	87.7	(82.4–93.1)
97.0	(88.0–106.1)	115.4	(105.6–125.2)
*73.0	(67.4–78.5)	71.1	(65.7–76.5)
90.0	(80.1–99.9)	105.1	(94.7–115.6)
89.0	(81.0–96.9)	83.4	(75.8–91.0)
*133.1	(117.1–149.1)	144.3	(127.7–160.9)

Manitoba

 4610 Winnipeg
4630 Interlake
4640 Central

*104.1	(97.5–110.7)	86.5	(80.5–92.4)
98.0	(89.6–106.5)	87.8	(79.8–95.9)
106.0	(81.9–130.0)	89.9	(68.1–111.7)
89.9	(68.5–111.3)	86.1	(65.4–106.8)

Map Code	Health Region	Coronary Artery Bypass Graft Surgery			
		2003–2004		2004–2005	
		Age-Standardized Rate/100,000	95% CI	Age-Standardized Rate/100,000	95% CI
Saskatchewan		*112.6	(105.3–119.9)	111.0	(103.8–118.1)
4704	Regina	*129.9	(113.7–146.0)	125.6	(109.8–141.4)
4706	Saskatoon	97.8	(84.5–111.0)	97.2	(84.1–110.3)
4709	Prince Albert	108.5	(82.9–134.1)	80.5	(58.0–103.0)
Alberta		*83.8	(80.0–87.7)	72.1	(68.5–75.6)
4820	Chinook	*62.2	(48.1–76.3)	66.2	(51.4–81.1)
4821	Palliser	*54.6	(38.5–70.8)	44.8	(30.0–59.6)
4822	Calgary	*76.3	(69.9–82.6)	61.3	(55.7–66.9)
4823	David Thompson	85.7	(72.9–98.5)	76.2	(64.2–88.1)
4824	East Central	94.4	(75.6–113.3)	64.6	(48.7–80.5)
4825	Capital	91.0	(84.0–98.1)	82.2	(75.6–88.8)
4826	Aspen	100.2	(82.7–117.6)	96.8	(79.9–113.8)
4827	Peace Country	88.9	(67.3–110.4)	76.2	(56.6–95.8)
British Columbia		*76.8	(73.9–79.7)	73.3	(70.5–76.1)
5911	East Kootenay	*65.5	(46.9–84.1)	76.4	(56.6–96.2)
5912	Kootenay Boundary	*68.4	(50.2–86.6)	83.1	(63.2–103.0)
5913	Okanagan	*64.8	(56.1–73.5)	64.4	(55.9–73.0)
5914	Thompson/Cariboo	*75.3	(63.2–87.4)	68.5	(57.1–80.0)
5921	Fraser East	87.0	(74.3–99.8)	79.2	(67.2–91.2)
5922	Fraser North	*75.6	(67.0–84.1)	76.8	(68.3–85.3)
5923	Fraser South	93.3	(84.6–101.9)	81.0	(73.4–88.6)
5931	Richmond	*61.3	(48.2–74.3)	60.2	(47.0–73.3)
5932	Vancouver	*58.8	(51.7–65.9)	54.9	(48.0–61.8)
5933	North Shore	*67.9	(57.4–78.4)	84.0	(72.5–95.5)
5941	South Vancouver Island	*68.4	(59.3–77.5)	70.9	(61.7–80.0)
5942	Central Vancouver Island	92.1	(80.2–103.9)	77.1	(66.5–87.8)
5943	North Vancouver Island	97.5	(78.0–117.1)	83.4	(65.8–101.0)
5951	Northwest	123.3	(92.4–154.2)	107.7	(79.0–136.4)
5952	Northern Interior	90.3	(71.4–109.3)	71.7	(55.0–88.3)
Yukon Territory		120.6	(63.0–178.2)	100.4	(52.1–148.7)
Northwest Territories		97.3	(46.0–148.5)	94.9	(45.1–144.8)
Nunavut		*	* *	30.4	(3.6–57.2)
Canada		93.2	(92.0–94.3)	..	.. ..

Coronary artery bypass graft surgery (CABG)

Age-standardized rate of coronary artery bypass graft surgery performed on inpatients in acute care hospitals, per 100,000 population aged 20 and over. As with other types of surgical procedures, variations in CABG surgery rates can be attributed to numerous factors, including differences in population demographics, physician practice patterns and availability of services. In some cases, percutaneous coronary intervention (an alternative intervention to improve blood flow to the heart muscle) may be used.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI.

Map Code	Health Region	Overall		Bypass Surgery		Inflow/Outflow Ratio Hip Replacement		Knee Replacement		Hysterectomy	
		2003–2004	2004–2005	2003–2004	2004–2005	2003–2004	2004–2005	2003–2004	2004–2005	2003–2004	2004–2005
Newfoundland and Labrador											
1011	Eastern, N.L.	1.14	1.14	1.65	1.67	1.04	1.12	1.13	1.13	1.08	1.09
1012	Central, N.L.	0.87	0.88	0.00	0.00	0.87	0.94	0.89	0.86	0.88	0.88
1013	Western, N.L.	0.93	0.93	0.00	0.00	1.00	1.02	1.03	1.12	0.99	0.99
Prince Edward Island		0.95	0.94	0.00	0.00	0.84	0.95	1.00	0.96	0.98	0.97
Nova Scotia											
1201	Zone 1, N.S.	0.74	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.74	0.74
1202	Zone 2, N.S.	1.01	1.01	0.00	0.00	1.91	2.28	2.16	2.19	1.34	1.27
1203	Zone 3, N.S.	0.63	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.78
1204	Zone 4, N.S.	0.87	0.84	0.00	0.00	0.72	0.84	0.68	0.84	0.91	1.00
1205	Zone 5, N.S.	0.94	0.94	0.00	0.00	1.06	1.11	1.10	1.07	0.87	0.83
1206	Zone 6, N.S.	1.44	1.45	2.79	3.21	1.73	1.44	1.45	1.36	1.18	1.18
New Brunswick											
1301	Region 1, N.B. (Moncton area)	1.14	1.12	0.00	0.00	1.35	1.34	1.15	1.26	1.23	1.19
1302	Region 2, N.B. (Saint John area)	1.14	1.13	4.01	3.68	0.97	1.03	0.95	0.99	0.97	0.98
1303	Region 3, N.B. (Fredericton area)	0.95	0.94	0.00	0.00	1.11	1.08	1.17	1.14	0.96	0.96
1306	Region 6, N.B. (Bathurst area)	0.95	..	0.00	0.00	0.90	..	1.00	..	1.02	..
Quebec											
2401	Bas-Saint-Laurent	0.92	..	0.01	..	0.95	..	0.98	..	1.01	..
2402	Saguenay–Lac-Saint-Jean	1.01	..	0.96	..	0.95	..	1.03	..	1.04	..
2403	Capitale nationale	1.34	..	2.28	..	1.33	..	1.26	..	1.27	..
2404	Mauricie et Centre-du-Québec	0.88	..	0.00	..	1.08	..	1.05	..	0.90	..
2405	Estrie	1.05	..	1.44	..	0.63	..	0.58	..	0.97	..
2406	Montréal	1.38	..	2.94	..	1.43	..	1.45	..	1.52	..
2407	Outaouais	0.82	..	0.01	..	0.87	..	0.89	..	0.50	..
2408	Abitibi-Témiscamingue	0.98	..	0.00	..	0.98	..	1.06	..	1.04	..
2409	Côte-Nord	0.80	..	0.00	..	0.52	..	0.58	..	0.76	..
2411	Gaspésie-Îles-de-la-Madeleine	0.75	..	0.00	..	0.47	..	0.66	..	0.66	..
2412	Chaudière-Appalaches	0.75	..	0.02	..	0.82	..	0.91	..	0.81	..
2413	Laval	0.79	..	0.00	..	0.66	..	0.63	..	0.75	..
2414	Lanaudière	0.70	..	0.00	..	0.65	..	0.63	..	0.74	..
2415	Laurentides	0.82	..	0.04	..	0.75	..	0.68	..	0.59	..
2416	Montréal	0.78	..	0.00	..	0.67	..	0.72	..	0.79	..
Ontario											
3501	Erie St. Clair	0.90	0.88	0.00	0.00	0.97	0.93	0.98	0.92	0.90	0.90
3502	South West	1.11	1.10	1.88	1.57	0.94	0.87	0.94	0.90	1.11	1.11
3503	Waterloo Wellington	0.91	0.94	0.77	1.01	1.02	1.15	1.03	1.08	0.94	0.96
3504	Hamilton Niagara Haldimand Brant	1.01	1.00	0.95	0.88	0.96	0.97	0.94	0.97	1.02	1.00
3505	Central West	0.78	0.76	0.00	0.00	0.79	0.80	0.78	0.71	0.75	0.72
3506	Mississauga Halton	0.95	0.95	1.39	1.25	0.79	0.92	1.01	1.01	0.82	0.80
3507	Toronto Central	1.74	1.76	5.77	5.13	2.34	2.19	2.29	2.27	2.16	2.17
3508	Central	0.91	0.93	0.11	0.66	0.91	0.90	0.90	0.97	0.98	0.97
3509	Central East	0.87	0.87	0.00	0.00	0.79	0.81	0.95	0.93	0.85	0.85
3510	South East	0.97	0.96	1.16	0.96	1.01	1.03	1.01	1.01	0.97	0.97
3511	Champlain	1.10	1.10	1.55	1.48	1.03	1.01	1.01	0.99	1.14	1.13
3512	North Simcoe Muskoka	0.91	0.90	0.00	0.00	0.67	0.75	0.69	0.69	0.94	0.91
3513	North East	0.96	0.95	1.00	0.91	0.71	0.68	0.78	0.80	0.95	0.97
3514	North West	0.94	0.92	0.00	0.00	0.97	0.92	1.00	0.93	0.92	0.86
Manitoba											
4610	Winnipeg	1.36	1.36	1.88	1.85	1.68	1.68	1.64	1.62	1.51	1.50
4630	Interlake	0.58	0.64	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.15
4640	Central	0.78	0.81	0.00	0.00	0.31	0.40	0.00	0.00	0.30	0.41

Map Code	Health Region	Overall		Bypass Surgery		Inflow/Outflow Ratio Hip Replacement		Knee Replacement		Hysterectomy	
		2003–2004	2004–2005	2003–2004	2004–2005	2003–2004	2004–2005	2003–2004	2004–2005	2003–2004	2004–2005
Saskatchewan											
4704	Regina	1.22	1.20	1.98	2.13	1.79	1.45	1.83	1.62	1.23	1.23
4706	Saskatoon	1.40	1.42	1.82	1.77	1.91	1.94	1.91	1.90	1.57	1.47
4709	Prince Albert	0.90	0.92	0.00	0.00	0.62	0.64	0.71	0.67	0.75	0.85
Alberta											
4820	Chinook	0.96	0.95	0.00	0.00	1.17	1.02	1.11	1.18	1.19	1.11
4821	Palliser	0.92	0.93	0.00	0.00	0.91	1.11	0.92	0.97	0.88	0.82
4822	Calgary	1.09	1.09	1.58	1.66	1.10	1.08	1.13	1.08	1.06	1.06
4823	David Thompson	0.91	0.90	0.00	0.00	0.66	0.68	0.69	0.69	0.72	0.70
4824	East Central	0.69	0.68	0.00	0.00	0.52	0.50	0.60	0.63	0.19	0.45
4825	Capital	1.27	1.26	1.72	1.66	1.37	1.39	1.40	1.41	1.33	1.31
4826	Aspen	0.71	0.72	0.00	0.00	0.00	0.12	0.00	0.15	0.20	0.17
4827	Peace Country	0.85	0.86	0.00	0.00	0.88	0.85	0.72	0.66	0.99	1.06
British Columbia											
5911	East Kootenay	0.80	0.82	0.00	0.00	0.59	0.69	0.63	0.58	0.77	0.78
5912	Kootenay Boundary	0.86	0.87	0.00	0.00	0.81	0.86	0.88	1.02	0.73	0.83
5913	Okanagan	1.04	1.03	0.00	0.00	1.15	1.08	1.17	1.08	1.11	1.08
5914	Thompson/Cariboo	0.91	0.92	0.00	0.00	0.53	0.68	0.54	0.62	0.99	0.97
5921	Fraser East	0.85	0.86	0.00	0.00	0.87	0.82	0.92	0.97	0.90	0.90
5922	Fraser North	1.02	1.02	1.85	1.72	1.00	0.96	1.17	1.07	0.91	0.83
5923	Fraser South	0.78	0.78	0.00	0.00	0.60	0.56	0.69	0.75	0.81	0.72
5931	Richmond	0.88	0.89	0.00	0.00	1.57	1.88	1.86	1.84	0.90	1.11
5932	Vancouver	1.68	1.68	5.50	5.83	2.68	2.79	2.19	1.75	1.82	2.02
5933	North Shore	0.82	0.83	0.00	0.00	0.63	0.65	0.76	0.99	0.87	0.88
5941	South Vancouver Island	1.15	1.16	2.64	2.43	0.93	0.92	0.95	0.93	1.07	1.10
5942	Central Vancouver Island	0.84	0.84	0.00	0.00	0.82	0.79	0.85	0.86	0.91	0.84
5943	North Vancouver Island	0.88	0.89	0.00	0.00	1.40	1.34	1.17	1.23	0.97	1.03
5951	Northwest	0.86	0.84	0.00	0.00	0.48	0.53	0.60	0.56	0.96	0.99
5952	Northern Interior	0.92	0.94	0.00	0.00	0.80	0.81	0.81	0.73	0.78	0.70
Yukon Territory		0.87	0.89	0.00	0.00	0.00	0.00	0.11	0.50	0.97	0.95
Northwest Territories		0.97	1.00	0.00	0.00	0.55	1.04	1.03	1.34	0.91	0.81
Nunavut		0.51	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.58
Canada		..	..	..	..	..	..	..	..	..	..

Inflow/outflow ratio

A ratio of the number of separations from acute care hospitals within a given region divided by the number of acute care hospital discharges generated by residents of that region. An overall ratio is calculated for discharges associated with any diagnosis or procedure and separately for coronary artery bypass surgery, hip replacement, knee replacement and hysterectomy procedures. A ratio of less than one indicates that hospital stays utilized by residents of a region exceeded hospital care provided within that region, suggesting an outflow effect. A ratio greater than one indicates hospital stays provided by a region exceeded the quantity of stays utilized by its residents, suggesting an inflow effect. A ratio of one indicates that the volume of hospital discharges in the region is equivalent to that generated by its residents, suggesting that inflow and outflow activity, if it exists at all, is balanced. A ratio of zero is an indication that none of the institutions in the region provided the service and residents received care outside of their region.

Sources: Hospital Morbidity Database, CIHI; Discharge Abstract Database, CIHI; Quebec's ministère de la Santé et des Services sociaux.

Map Code	Health Region	General/Family Physicians 2004		Specialist Physicians 2004	
		Rate/100,000	95% CI	Rate/100,000	95% CI
Newfoundland and Labrador		99	(91–108)	93	(84–101)
1011	Eastern, N.L.	101	(90–113)	122	(110–135)
1012	Central, N.L.	99	(80–119)	50	(36–64)
1013	Western, N.L.	89	(68–109)	62	(45–79)
Prince Edward Island		95	(79–111)	57	(45–70)
Nova Scotia		115	(108–122)	98	(92–104)
1201	Zone 1, N.S.	100	(82–117)	34	(24–44)
1202	Zone 2, N.S.	90	(69–110)	70	(52–88)
1203	Zone 3, N.S.	91	(73–109)	35	(24–46)
1204	Zone 4, N.S.	101	(80–121)	45	(31–58)
1205	Zone 5, N.S.	119	(100–138)	58	(45–71)
1206	Zone 6, N.S.	134	(123–146)	167	(154–179)
New Brunswick		100	(93–108)	67	(62–73)
1301	Region 1, N.B. (Moncton area)	101	(87–116)	93	(79–106)
1302	Region 2, N.B. (Saint John area)	100	(85–115)	86	(73–100)
1303	Region 3, N.B. (Fredericton area)	90	(76–105)	52	(41–63)
1306	Region 6, N.B. (Bathurst area)	102	(80–124)	49	(34–64)
Quebec		108	(106–111)	106	(103–108)
2401	Bas-Saint-Laurent	119	(104–134)	81	(68–93)
2402	Saguenay–Lac-Saint-Jean	101	(90–113)	72	(62–82)
2403	Capitale nationale	150	(141–159)	169	(159–179)
2404	Mauricie et Centre-du-Québec	85	(77–93)	64	(57–71)
2405	Etrie	132	(119–145)	117	(105–129)
2406	Montréal	122	(117–127)	199	(193–206)
2407	Outaouais	90	(80–100)	54	(46–62)
2408	Abitibi-Témiscamingue	109	(92–126)	67	(53–80)
2409	Côte-Nord	132	(109–154)	45	(31–58)
2411	Gaspésie-Îles-de-la-Madeleine	164	(139–189)	64	(48–80)
2412	Chaudière-Appalaches	98	(88–108)	61	(53–69)
2413	Laval	90	(80–99)	64	(56–72)
2414	Lanaudière	85	(76–94)	48	(42–55)
2415	Laurentides	93	(85–102)	44	(38–50)
2416	Montérégie	91	(85–96)	60	(56–64)
Ontario		86	(84–88)	92	(90–94)
3501	Erie St. Clair	61	(55–67)	53	(48–59)
3502	South West	82	(77–88)	99	(93–105)
3503	Waterloo Wellington	78	(71–85)	54	(49–60)
3504	Hamilton Niagara Haldimand Brant	75	(71–80)	91	(86–96)
3505	Central West	57	(52–63)	44	(39–49)
3506	Mississauga Halton	73	(67–78)	57	(53–62)
3507	Toronto Central	146	(139–153)	275	(265–284)
3508	Central	82	(77–86)	66	(62–70)
3509	Central East	68	(64–72)	56	(52–60)
3510	South East	101	(92–110)	102	(93–111)
3511	Champlain	109	(103–115)	128	(121–134)
3512	North Simcoe Muskoka	83	(74–91)	50	(43–56)
3513	North East	90	(82–98)	58	(52–65)
3514	North West	100	(88–113)	51	(42–60)
Manitoba		92	(87–98)	85	(80–91)
4610	Winnipeg	98	(90–105)	138	(129–147)
4630	Interlake	79	(60–99)	15	(7–24)
4640	Central	82	(64–100)	13	(6–20)

Map Code	Health Region	General/Family Physicians 2004		Specialist Physicians 2004	
		Rate/100,000	95% CI	Rate/100,000	95% CI
Saskatchewan		87	(81–93)	66	(61–71)
4704	Regina	99	(86–111)	80	(69–92)
4706	Saskatoon	101	(89–113)	133	(120–147)
4709	Prince Albert	92	(70–113)	36	(22–49)
Alberta		100	(96–103)	86	(83–89)
4820	Chinook	88	(73–103)	52	(41–64)
4821	Palliser	82	(64–100)	42	(30–55)
4822	Calgary	105	(99–111)	106	(100–112)
4823	David Thompson	89	(78–100)	32	(26–39)
4824	East Central	74	(58–90)	11	(5–17)
4825	Capital	110	(103–116)	124	(117–130)
4826	Aspen	88	(74–102)	5	(1–8)
4827	Peace Country	86	(70–102)	25	(17–34)
British Columbia		108	(105–111)	88	(86–91)
5911	East Kootenay	113	(90–136)	21	(11–31)
5912	Kootenay Boundary	133	(108–158)	49	(34–64)
5913	Okanagan	104	(93–115)	81	(71–90)
5914	Thompson/Cariboo	92	(79–105)	44	(35–53)
5921	Fraser East	83	(72–94)	40	(32–48)
5922	Fraser North	82	(75–90)	68	(61–75)
5923	Fraser South	72	(66–79)	46	(41–52)
5931	Richmond	85	(71–99)	57	(46–69)
5932	Vancouver	164	(153–174)	255	(242–268)
5933	North Shore	122	(109–135)	66	(57–76)
5941	South Vancouver Island	152	(139–164)	124	(113–136)
5942	Central Vancouver Island	108	(95–121)	59	(49–68)
5943	North Vancouver Island	123	(103–143)	57	(44–71)
5951	Northwest	123	(99–146)	24	(13–34)
5952	Northern Interior	95	(80–110)	39	(29–49)
Yukon Territory		176	(130–223)	19	(4–35)
Northwest Territories		86	(59–114)	33	(16–50)
Nunavut		24	(6–41)	*	* *
Canada		97	(96–98)	92	(91–93)

Physicians

Physician counts include all active general/family practitioners and specialist physicians as of December 31 of the reference year. Physicians in clinical and non-clinical practice are included. Residents and unlicensed physicians who have requested that their information not be published are excluded. For all jurisdictions and data years, specialist physicians include certificants of the Royal College of Physicians and Surgeons of Canada (RCPSC) and/or the College des médecins du Québec (CMQ). As of 2004, specialists in Saskatchewan and Newfoundland and Labrador also include physicians who are licensed as specialists but who are not certified by the RCPSC or the CMQ (i.e. non-certified specialists). For all other jurisdictions, and for Saskatchewan and Newfoundland and Labrador prior to 2004, non-certified specialists are counted as general practitioners. With the exception of the criteria just noted all other physicians are counted as family practitioners, including certificants of the College of Family Physicians of Canada. For further methodological information please see *Supply, Distribution and Migration of Canadian Physicians* and *Certified and Non-Certified Specialists: Understanding the Numbers* (www.cihi.ca). Physician-to-population rates are published by a variety of agencies to support health human resource planning. They are useful indicators of physician numbers relative to the population. However, results may vary across publication sources due to differing methodologies and readers are cautioned to avoid inferences regarding the adequacy of provider resources based on supply ratios alone. Note: British Columbia data in 2004 do not reflect the annual update from the College of Physicians and Surgeons of British Columbia; therefore, physician counts are underestimated. **Source:** Scott's Medical Database, CIHI.

Selected Health Professionals,[†] 2004

	RNs	LPNs	Pharmacists	Dentists	Dental Hygienists	Dietitians	Occupational Therapists	Physio-therapists	Chiro-practors	Optometrists	Psychologists
N.L.	1,055	524	113	33	16	27	28	39	9	8	40
P.E.I.	1,000	456	110	47	36	44	25	37	6	11	21
N.S.	918	326	108	53	52	46	30	53	10	9	43
N.B.	980	340	82	37	37	41	32	58	9	13	37
Que.	838	204	87	52	53	28	41	48	14	16	102
Ont.	692	197	81	62	63	21	31	44	28	11	22
Man.	905	206	98	49	51	27	38	51	21	8	15
Sask.	854	214	118	38	34	25	22	53	18	11	41
Alta.	794	157	103	55	55	22	37	56	26	12	53
B.C.	670	114	89	67	50	21	32	56	21	12	22
Y.T.	906	170	109	96	51	19	32	..	29	19	26
N.W.T.	1,281 }	212	54	95	26	30	30	..	..	0	189
Nun.		..	34	37	..	10	..	..	..	..	..
Canada	769	198	89	57	55	24	34	49	21	12	46

[†] Rates per 100,000 population.

Health Expenditure

	Total Health Expenditure (\$'000,000), Current Dollars			% GDP 2003	% Public Sector 2003	Total Health Expenditure by Use of Funds (Percentage Distribution of \$'000,000), 2003				
	Actual 2003	Forecast 2004	Forecast 2005			Institutional Services	Professional Services	Drugs	Public Health	Capital and Other Health
	N.L.	2,052	2,166	2,270	11.2	77.6	51.4	18.6	15.6	4.7	9.7
P.E.I.	541	551	572	14.0	70.5	44.7	19.2	15.7	6.0	14.4
N.S.	3,604	3,900	4,227	12.5	69.1	45.2	21.6	16.9	2.2	14.1
N.B.	2,777	3,013	3,280	12.4	70.3	46.3	20.6	18.0	3.3	11.9
Que.	25,852	27,801	29,302	10.2	71.0	43.7	22.3	19.1	2.0	12.8
Ont.	49,706	53,180	57,583	10.1	67.1	36.1	24.4	16.9	7.5	15.1
Man.	4,934	5,259	5,615	13.0	74.0	43.1	21.0	13.5	6.4	16.0
Sask.	3,869	4,103	4,379	10.6	74.9	40.6	21.6	14.6	8.3	14.9
Alta.	12,663	13,985	15,571	7.4	72.0	36.8	23.9	14.2	7.9	17.2
B.C.	16,242	17,050	18,361	11.2	72.6	40.5	28.3	13.4	3.8	14.0
Y.T.	156	174	189	11.7	79.8	36.2	18.8	11.0	17.6	16.4
N.W.T.	272	286	294	7.5	89.5	45.1	17.6	7.6	8.6	21.1
Nun.	291	299	324	30.6	95.6	34.7	11.5	3.9	8.3	41.5
Canada	122,959	131,767	141,969	10.1	70.2	39.6	23.9	16.4	5.6	14.6

Public Sector Health Expenditure by Use of Funds
(\$ per Capita), 2003

	Public Sector Health Expenditure by Use of Funds (\$ per Capita), 2003					Private Sector Health Expenditure by Use of Funds (\$ per Capita), 2003				
	Institutional Services	Professional Services	Drugs	Public Health	Capital and Other Health	Institutional Services	Professional Services	Drugs	Public Health	Capital and Other Health
N.L.	1,894	502	210	185	280	142	233	408	0	105
P.E.I.	1,506	422	160	238	450	257	333	458	0	117
N.S.	1,498	500	197	83	383	243	332	452	0	161
N.B.	1,491	486	181	122	320	219	274	483	0	122
Que.	1,341	437	292	69	313	168	334	369	0	129
Ont.	1,209	575	249	306	384	255	414	437	0	227
Man.	1,560	550	241	272	522	270	343	334	0	156
Sask.	1,378	537	217	323	457	200	304	352	0	121
Alta.	1,305	545	210	315	512	171	413	361	0	176
B.C.	1,459	648	191	150	393	124	459	332	0	155
Y.T.	1,485	626	292	895	771	362	332	269	0	67
N.W.T.	2,711	924	290	554	1,295	196	210	200	0	68
Nun.	3,422	1,024	202	833	4,063	46	128	187	0	78
Canada	1,333	541	242	218	391	205	385	393	..	176

Health professionals

Number of health professionals (selected professions) per 100,000 population. **Nursing professionals (RNs, LPNs):** Rates reflect nurses registered with active-practising status and who are employed in registered/practical nursing. Rates will differ from data published by provincial/territorial regulatory authorities due to the CIHI collection, processing and reporting methodologies. **Registered nurses (RNs):** Data from the territories include secondary registrations. Please consult *Workforce Trends of Registered Nurses in Canada, 2004* for more detailed methodological notes and data-quality issues. **Other health professional** data reflect personnel regardless of employment status and include the number of licensed pharmacists; licensed dentists; registered dental hygienists; registered dietitians; active registered occupational therapists; active registered physiotherapists; registered chiropractors; active registered optometrists; and active registered psychologists. Personnel per population ratios are revised annually using the most recent Statistics Canada population estimates and therefore may differ slightly from previously published figures. Please consult *Health Personnel Trends in Canada, 1995 to 2004* for more detailed methodological notes, data-quality issues and profession-specific information.

Sources: Health Personnel Database, CIHI; Registered Nurses Database, CIHI; Licensed Practical Nurses Database, CIHI.

Total health expenditure

Total health expenditure includes any type of expenditure for which the primary objective is to improve, or prevent the deterioration of, health status. Presented in current dollars and as a proportion of gross domestic product (GDP). This definition allows economic activities to be measured according to primary purpose and secondary effects. Activities that are undertaken with the direct purpose of providing or maintaining health are included. Other activities are not included, even though they may impact health. For example, funds aligning with housing and income-support policies that have social welfare goals as their primary purpose are not considered to be health expenditures, yet they are recognized as powerful factors in determining population health.

Source: National Health Expenditure Database, CIHI.

Proportion of public sector

Public-sector health expenditure presented as a proportion of total health expenditure. Public sector includes health care spending by governments and government agencies.

Source: National Health Expenditure Database, CIHI.

Health expenditure by sector and use of funds

Percentage distribution of total health expenditure by health-spending category and public/private-sector health expenditure per capita by health-spending category. **Institutional services** include hospitals and residential-care types of facilities that are approved, funded or operated by provincial/territorial governments. **Professional services** include expenditures on primary professional fees paid to physicians in private service as well as for the services of privately practising dentists, denturists, chiropractors and other health professionals. This category does not include the remuneration of health professionals on the payrolls of hospitals or public-sector health agencies and generally represents amounts that flow through provincial medical care plans. **Drugs** include expenditures on prescribed drugs and non-prescribed products purchased in retail stores. This category does not include drugs dispensed in hospitals and other institutions. **Public health** is that provided by governments and governmental agencies and includes expenditures for items such as food and drug safety, health inspections, health promotion, community mental health programs, public health nursing, measures to prevent the spread of communicable diseases and other related activities. **Capital and other health** include expenditure on construction, machinery, equipment and some software of hospitals, clinics, first-aid stations and residential-care facilities (capital); cost of providing health insurance programs by the government and private health insurance companies and all cost for the infrastructure to operate health departments (administration); and, at the aggregate level, expenditures on home care, medical transportation (ambulances), hearing aids, other appliances and prostheses, health research and miscellaneous health care (other health).

Source: National Health Expenditure Database, CIHI.

General Notes

- The methodology used for these indicators was designed to maximize inter-regional, inter-provincial and inter-territorial comparability. Data presented include the latest updates available at the time of publication and may differ from those appearing in other reports.
- Health regions are defined by provincial governments as areas of responsibility for regional health boards (that is, legislated), or as regions of interest to health care authorities. Data from regions with a population of at least 75,000 are reported. This threshold ensures greater stability in rates and reduces the risk of suppression stemming from privacy and confidentiality issues. Boundaries are those that were in effect as of June 2005, with the exception of Ontario regions, which are current as of August 2005.
- Data are based on a patient's *region of residence*, which may not be the same as the *region of hospitalization*.
- Hospitalizations include discharges and deaths for inpatients in acute care hospitals for the reference period. Same-day surgery (outpatient) cases and patients admitted to non-acute care hospitals (for example, chronic care, psychiatric or rehabilitation facilities) are not included in the totals unless otherwise specified.
- For procedure-derived indicators (e.g. hip and knee replacement, percutaneous coronary intervention, coronary artery bypass), rates are based on the total number of discharges rather than the total number of interventions. For example, a bilateral knee replacement provided at the same admission is counted as one event.
- ICD-10-CA and the Canadian Classification of Health Interventions (CCI) systems of coding diagnoses and procedures came into effect in 2001 and by April 1, 2004, had been adopted by all provinces and territories with the exception of Quebec. Indicator cases that were originally coded in ICD-10-CA or CCI were extracted on the relevant codes and not the ICD-9 or CCP translations. New and revised coding standards introduced with the ICD-10-CA/CCI classification systems may affect the comparability of rates with those appearing in previous releases for some of the indicators.
- The methodology for calculating the acute myocardial infarction (AMI) readmission indicator has been revised. This revision may affect the comparability of rates with those appearing in previous releases. See the AMI Readmission Technical Note for further information.
- The 30-day in-hospital mortality, in-hospital hip fracture and readmission indicator rates are based on a three-year average. Due to differences in the way data are collected, these indicators are not available for all provinces and territories. Therefore, the average (Canada) rate does not include all provinces and territories.
- Quebec data for 2004–2005 were unavailable for inclusion in this publication and residents from other provinces and territories hospitalized in Quebec in 2004–2005 will not be included in the provincial/territorial rates of their residencies. In addition, Canada rates for most indicators have not been calculated for 2004–2005.
- The 2004–2005 hospitalization data for Region 6 in New Brunswick were incomplete and several indicators, including hip and knee replacement, hip fracture, injury, ACSC, Caesarean section and hysterectomy, could not be calculated for this region. For these indicators, New Brunswick provincial rates exclude Region 6 cases; therefore, the comparability of the provincial rates with those appearing in previous releases will be affected.
- Standardized rates are age-adjusted using a direct method of standardization based on the July 1, 1991 population.
- See the Health Indicators e-publication (www.cihi.ca/indicators) for diagnosis and procedure codes used to extract the indicator data, technical notes describing the risk-adjustment methodology and further information on any of the changes noted above. Indicator rates for years prior to those appearing in this publication are also available in the e-publication.

For more information and detailed technical notes, visit www.cihi.ca or write to indicators@cihi.ca.

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