

All-Cause Hospitalizations, Waterloo Region and Ontario, 2013, 2014, 2015

Table 1. Number of hospitalizations and age-standardized hospitalization rate per 100,000 population, by place of residence, Waterloo Region & Ontario, 2013, 2014, 2015

Place of residence	Number of hospitalizations			Age-standardized hospitalization rate		
	2013	2014	2015	2013	2014	2015
Cambridge	7,909	8,584	8,350	5,721.4	6,117.5	5,852.0
Kitchener	12,367	12,623	13,006	5,077.8	5,086.6	5,148.0
Waterloo	4,209	4,497	4,607	3,928.9	4,080.7	4,113.9
North Dumfries	371	357	427	4,412.5	3,847.0	4,684.5
Wellesley	455	432	422	4,573.6	4,167.6	3,991.2
Wilmot	1,025	983	986	4,706.7	4,414.7	4,474.6
Woolwich	1,033	1,090	1,172	3,918.8	4,082.2	4,296.3
Waterloo Region	27,369	28,566	28,970	4,903.0	5,002.2	4,972.6
Ontario	829,237	841,817	849,460	5,478.1	5,450.2	5,381.3

Definition:

Number and age-standardized rate of hospitalizations, both overall and by leading causes of hospitalization.

Age-standardized hospitalization rate: total number of hospital separations (discharges, transfers and deaths) during a given year per 100,000 population, age-standardized to the 1991 Canadian population.

Table 2. Number of hospitalizations and age-specific rate per 100,000 population, by age group, Waterloo Region, 2015

Place of residence	Age group	Number	Rate
Waterloo Region	Less than 20 years	2,885	2,255.9
	20 to 44 years	8,835	4,550.6
	45 to 64 years	6,513	4,489.3
	65 to 74 years	4,470	10,518.6
	75 years and older	6,267	19,046.9
Ontario	Less than 20 years	67,307	2,215.1
	20 to 44 years	215,943	4,631.4
	45 to 64 years	195,703	5,044.2
	65 to 74 years	143,940	11,636.5
	75 years and older	226,567	23,257.1

Limitations and Notes:

A hospitalized separation occurs anytime a patient leaves a health care facility because of a death, discharge or transfer.

Reasons for hospitalization are based on the most responsible diagnosis (diagnosis associated with the longest duration of treatment) during a given hospital stay. Co-morbidities may complicate the accurate identification of the most responsible diagnoses.

The most responsible diagnoses have been categorized according to the International Shortlist of Hospital Morbidity Tabulation, which can be found here: <http://www.apheo.ca/index.php?pid=93>

It is important to note that mental health diagnoses are not included in the calculation of these hospitalization figures. They have been excluded because in Ontario they are reported through a separate reporting system which is distinct from the acute hospitalization reporting system.

The category 'other symptoms, signs and abnormal clinical and laboratory findings' was excluded from rankings of the leading reasons for hospitalizations, since this category functions as a 'miscellaneous' category.

Table 3. Number of hospitalizations and age-standardized rate per 100,000 population, by reason for hospitalization, Waterloo Region & Ontario, 2015

Rank	Waterloo Region			Ontario		
	Reason for hospitalization	Number	Rate	Reason for hospitalization	Number	Rate
1	Complications of pregnancy, predominantly labour and delivery	3,152	700.1	Complications of pregnancy, predominantly labour and delivery	74,492	696.4
2	Complications of pregnancy, predominantly antenatal	2,549	567.7	Complications of pregnancy, predominantly antenatal	56,124	524.3
3	Other malignant neoplasms	1,036	160.4	Other malignant neoplasms	30,800	172.0
4	Arthrosis of knee	961	142.0	Chronic obstructive pulmonary disease and	27,647	136.2
5	Acute myocardial infarction	892	126.6	Acute myocardial infarction	25,691	129.7
6	Chronic obstructive pulmonary disease and	803	116.3	Arthrosis of knee	25,164	130.5
7	Cerebrovascular diseases	741	106.8	Heart failure	24,647	114.2
8	Heart failure	723	97.7	Pneumonia	22,557	125.0
9	Pneumonia	710	112.2	Cerebrovascular diseases	20,077	100.4
9	Other diseases of the respiratory system	710	108.7	Other diseases of the circulatory system	18,256	100.1
11	Diseases of appendix	620	120.0	Conduction disorders, cardiac arrhythmias	18,237	93.4
12	Other diseases of the circulatory system	557	85.1	Other diseases of the respiratory system	17,848	96.2
13	Arthrosis of hip	510	75.4	Other diseases of the urinary system	16,446	86.0
14	Septicaemia	508	76.7	Other endocrine, nutritional and metabolic diseases	16,001	94.9
15	Other endocrine, nutritional and metabolic diseases	499	79.6	Other ischaemic heart disease	15,365	79.8
16	Diabetes mellitus	460	80.9	Diabetes mellitus	14,114	87.2
17	Conduction disorders, cardiac arrhythmias	441	64.6	Arthrosis of hip	13,898	72.1
18	Paralytic ileus and intestinal obstruction without hernia	419	64.6	Diseases of appendix	13,820	106.4
19	Other disease of the nervous system	375	65.2	Septicaemia	12,359	64.4
20	Other disorders of the genitourinary system	370	61.4	Paralytic ileus and intestinal obstruction without hernia	11,513	62.9

Table 4. Number of hospitalizations and age-standardized rate per 100,000 population, by sex & reason for hospitalization, Waterloo Region, 2015

Rank	Males		Females			
	Reason for hospitalization	Number	Rate	Reason for hospitalization	Number	Rate
1	Acute myocardial infarction	598	163.3	Complications of pregnancy, predominantly labour and delivery	3,152	1,357.7
2	Other malignant neoplasms	543	161.5	Complications of pregnancy, predominantly antenatal	2,549	1,100.2
3	Other diseases of the respiratory system	397	116.6	Arthrosis of knee	582	177.0
4	Cerebrovascular diseases	395	108.2	Other malignant neoplasms	493	156.3
5	Chronic obstructive pulmonary disease	390	105.9	Chronic obstructive pulmonary disease	413	125.5
6	Heart failure	382	98.0	Pneumonia	367	116.4
7	Arthrosis of knee	379	107.5	Other disorders of the genitourinary system	362	119.5
8	Other diseases of the circulatory system	349	101.4	Cerebrovascular diseases	346	102.6
9	Diseases of appendix	347	137.1	Heart failure	341	94.8
10	Pneumonia	343	105.8	Other endocrine, nutritional and metabolic diseases	318	102.3
11	Diabetes mellitus	271	91.4	Other diseases of the respiratory system	313	97.5
12	Other ischaemic heart disease	263	74.8	Acute myocardial infarction	294	86.8
13	Septicaemia	261	73.5	Diseases of appendix	273	101.4
14	Arthrosis of hip	245	68.9	Arthrosis of hip	265	82.1
15	Conduction disorders and cardiac arrhythmias	233	65.3	Menstrual, menopausal and other female genital conditions	251	91.1
16	Inguinal hernia	202	61.4	Septicaemia	247	77.1
17	Paralytic ileus and intestinal obstruction without hernia	200	59.0	Paralytic ileus and intestinal obstruction without hernia	219	68.6
18	Other diseases of the nervous system	198	65.4	Conduction disorders and cardiac arrhythmias	208	62.8
19	Renal failure	187	52.1	Other diseases of the circulatory system	208	66.4
20	Other conditions originating in the perinatal period	185	82.8	Cholelithiasis	193	63.4

Limitations and Notes (continued):

Age standardization is a method of adjusting rates to minimize the effects that different age compositions have on populations. This method is use when comparing two or more populations. The standard 1991 Canadian population was used as the standard for the rates presented here.

This indicator includes only residents who resided within Waterloo Region and excludes any Waterloo Region or Ontario residents who were hospitalized outside Ontario. Only one hospital separation per person per leading cause category is included.

Numbers and rates based on numbers less than 5 cannot be reported and have been suppressed for confidentiality purposes.

Source:

Inpatient Discharges (2013-2015), Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: June 7, 2016 & Population Estimates (2013-2015), Table 109-5355 – Estimates of population (2011 Census and administrative data), Statistics Canada, Date Extracted: April 26, 2016.

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