

## Injury Hospitalizations, Waterloo Region and Ontario, 2013, 2014, 2015

Table 1. Number and rate of injury-related hospitalizations 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
<b>Cambridge</b>	824	727	735	648.1	565.0	555.5
<b>Kitchener</b>	1,183	1,176	1,249	535.8	526.6	551.2
<b>Waterloo</b>	434	443	400	424.1	422.2	371.5
<b>North Dumfries</b>	25	24	33	280.0	243.6	388.0
<b>Wellesley</b>	42	42	38	411.1	413.0	377.8
<b>Wilmot</b>	97	83	102	471.7	378.0	470.8
<b>Woolwich</b>	107	92	108	411.5	351.7	407.6
<b>Waterloo Region</b>	<b>2,712</b>	<b>2,587</b>	<b>2,665</b>	<b>526.4</b>	<b>493.4</b>	<b>496.5</b>
<b>Ontario</b>	<b>72,949</b>	<b>74,158</b>	<b>76,168</b>	<b>528.2</b>	<b>524.9</b>	<b>527.4</b>

### Definition:

Number and rate of injury-related hospitalizations. 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 2011 Canadian population.

**Table 2. Number and rate of injury-related hospitalizations per 100,000 population, by age group, Waterloo Region & Ontario, 2015**

Place of residence	Age group	Number	Rate
Waterloo Region	Less than 20 years	375	291.4
	20 to 44 years	504	256.3
	45 to 64 years	537	368.4
	65 to 74 years	302	709.9
	75 years and older	946	2,875.6
Ontario	Less than 20 years	10,427	342.4
	20 to 44 years	13,302	285.7
	45 to 64 years	14,883	382.7
	65 to 74 years	9,059	730.9
	75 years and older	28,497	2,907.0

## Limitations and Notes:

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

Injury-related hospitalizations are classified based on recommendations from the core indicator definition from the Association for Public Health Epidemiologists of Ontario (APHEO). Available at: <http://www.apheo.ca/index.php?pid=110>

Reasons for hospitalization are based on the most responsible diagnosis, which is associated with the longest duration of treatment during a given hospital stay.

Hospitalization data does not capture those who did not receive treatment for an injury in a hospital, and therefore underestimates the full burden of injury in the population.

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 2011 Canadian population was used as the standard for the rates presented here.

**Table 3. Number and rate of injury-related hospitalizations 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	Falls	1,292	244.2	1 Falls	42,243	285.0
2	Self-harm	477	87.9	2 Self-harm	9,807	72.3
3	Other unintentional injuries	314	59.7	3 Motor vehicle collisions	6,609	47.5
4	Motor vehicle collisions	206	37.9	4 Other unintentional injuries	5,874	41.2
5	Unintentional poisoning	104	19.2	5 Unintentional poisoning	3,117	22.6
6	Struck by or against	82	15.1	6 Struck by or against	2,577	18.6
7	Suffocation	55	10.5	7 Assault	1,876	13.7
8	Foreign body - eye or orifice	54	9.9	8 Foreign body - eye or orifice	1,559	11.3
9	Assault	45	8.1	9 Other land transport collisions	1,274	9.2
10	Other land transport collisions	43	8.0	10 Cut/pierce	1,054	7.7
11	Overexertion	31	5.9	11 Overexertion	1,038	7.4
12	Fires/burns	30	5.4	12 Suffocation	1,009	6.9
13	Cut/pierce	22	4.1	13 Fires/burns	630	4.6
14	Bitten by dog or other mammal	14	2.7	14 Bitten by dog or mammals	446	3.2
15	Caught or crushed between objects	13	2.4	15 Caught or crushed between objects	332	2.4
16	Drowning/submersion	NR	NR	16 Drowning/submersion	93	0.7
17	Nonvenomous insect bites	NR	NR	17 Nonvenomous insect bites	48	0.4



**Table 4. Number and rate of injury-related hospitalizations 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	Falls	553	269.7	1 Falls	739	204.4
2	Self-harm	184	67.1	2 Self-harm	293	110.8
3	Other unintentional injuries	167	76.9	3 Other unintentional injuries	147	44.9
4	Motor vehicle collisions	134	50.7	4 Motor vehicle collisions	72	25.3
5	Struck by or against	58	22.4	5 Unintentional poisoning	53	18.7
6	Unintentional poisoning	51	19.2	6 Foreign body - eye or orifice	26	8.6
7	Suffocation	33	17.8	7 Struck by or against	24	8.3
7	Assault	33	11.6	8 Suffocation	22	6.8
9	Other land transport collisions	32	11.9	9 Fires/burns	15	5.6
10	Foreign body - eye or orifice	28	10.9	10 Overexertion	14	4.9
11	Cut/pierce	20	7.5	11 Assault	12	4.4
12	Overexertion	17	8.0	12 Other land transport collisions	11	4.2
13	Fires/burns	15	5.7	13 Bitten by dog or other mammal	7	2.7
14	Caught or crushed between objects	10	3.8	14 Caught or crushed between objects	NR	NR
15	Bitten by dog or other mammal	7	2.6	15 Cut/pierce	NR	NR
16	Drowning/submersion	NR	NR	16 Drowning/submersion	NR	NR
17	Nonvenomous insect bites	NR	NR	17 Nonvenomous insect bites	NR	NR

## Limitations and Notes (continued):

This indicator includes only residents who resided within Waterloo Region and excludes any Waterloo Region or Ontario residents who died 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.

## Source:

Ambulatory Emergency External Cause (2013-2015), Ontario Ministry of Health and Long-Term Care, IntelliHEALTH ONTARIO, Date Extracted: May 11, 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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