

INJURY-RELATED EMERGENCY DEPARTMENT VISITS BY SEX

Data sources:

Public Health Ontario. Snapshots: North Bay Parry Sound District Health Unit, Sparsely Populated Urban-Rural Mix Peer Group, Ontario: Emergency department visits for all injuries- age standardized rate 2003-2013. Toronto, ON: Ontario Agency for Health Protection and Promotion; 2014 Nov 5 [cited 2015 Mar 12]. Available from: <http://www.publichealthontario.ca/en/DataAnalytics/Snapshots/Pages/Injury-ED-Visits.aspx>

Interpretation of a significant difference:

A statistic interpreted as 'significantly different' from another is an estimate found to be statistically meaningful, in such a way that the difference between two estimates is unlikely due to chance and represents a real difference. Error bars noted in figures within this report illustrate 95% confidence intervals. If there is no overlap in range, the difference can be described as statistically significant.

Emergency department (ED) visit:

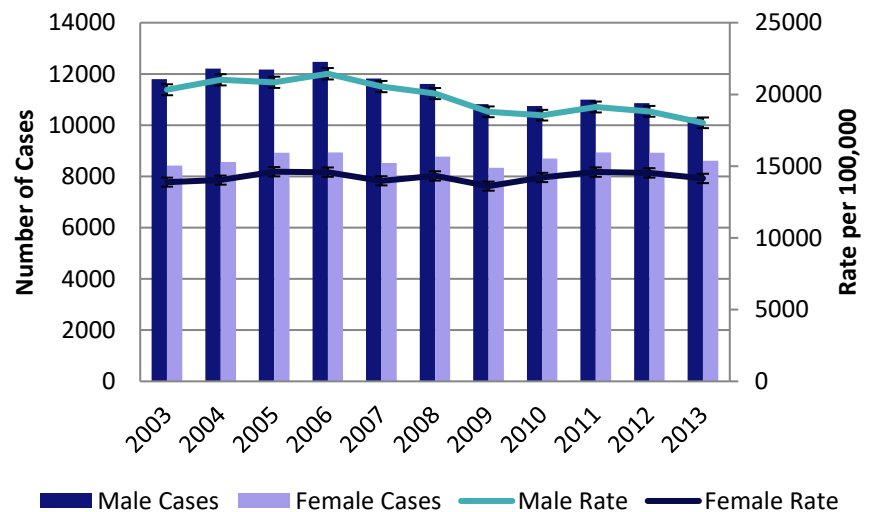
An ED visit occurs when a person presents at the emergency department, or a hospital-based urgent care centre, either by their own means or by ambulance, and without a prior scheduled appointment.

All Injuries

The age-standardized rate for injury-related emergency department (ED) visits was significantly higher for males than females from 2003-2013 in the NBPSDHU region. The age-standardized rate for males was significantly lower in 2013 as compared to 2003. The age-standardized rate for females did not change over this time period (Figure 1, Table 1).

Compared to Ontario, the age-standardized rate for males in the NBPSDHU region was significantly higher from 2003-2013 (Figure 2, Table 2). The age-standardized rate of injuries in females was also significantly higher in NBPSDHU residents as compared to Ontario (Figure 3, Table 2).

Figure 1. Number of cases and age-standardized rate (per 100,000 population) of all injury-related ED visits in NBPSDHU, for males and females, 2003-2013.

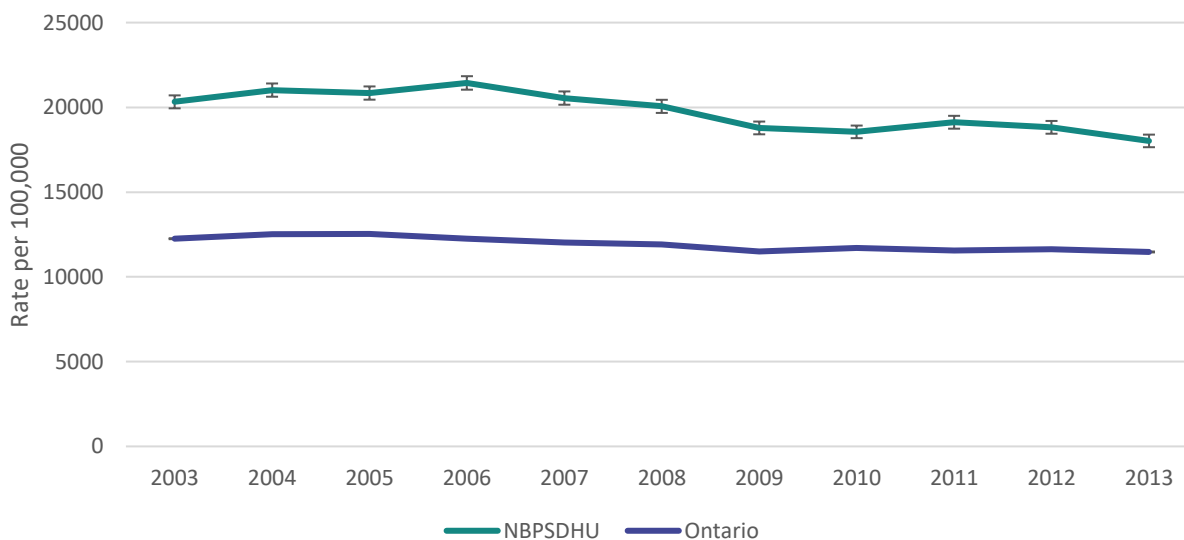


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Table 1. Number of cases and age-standardized rate (per 100,000 population) of all injury-related ED visits in NBPSDHU, for males and females, 2003-2013.

Year	Males		Females	
	Cases	Rate	Cases	Rate
2003	11794	20324.7	8419	13885.1
2004	12206	21017.9	8559	14027.7
2005	12166	20844.5	8925	14611.8
2006	12471	21441.1	8939	14583.5
2007	11820	20547.4	8526	13979.0
2008	11612	20059.8	8779	14318.0
2009	10827	18786.6	8334	13607.6
2010	10748	18554.3	8693	14211.5
2011	10998	19122.3	8941	14584.8
2012	10864	18822.0	8922	14530.9
2013	10294	18021.4	8605	14143.5

Figure 2. Age-standardized rate (per 100,000 population) of all injury-related ED visits in NBPSDHU and Ontario, for males, 2003-2013.



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Figure 3. Age-standardized rate (per 100,000 population) of all injury-related ED visits in NBPSDHU and Ontario, for females, 2003-2013.

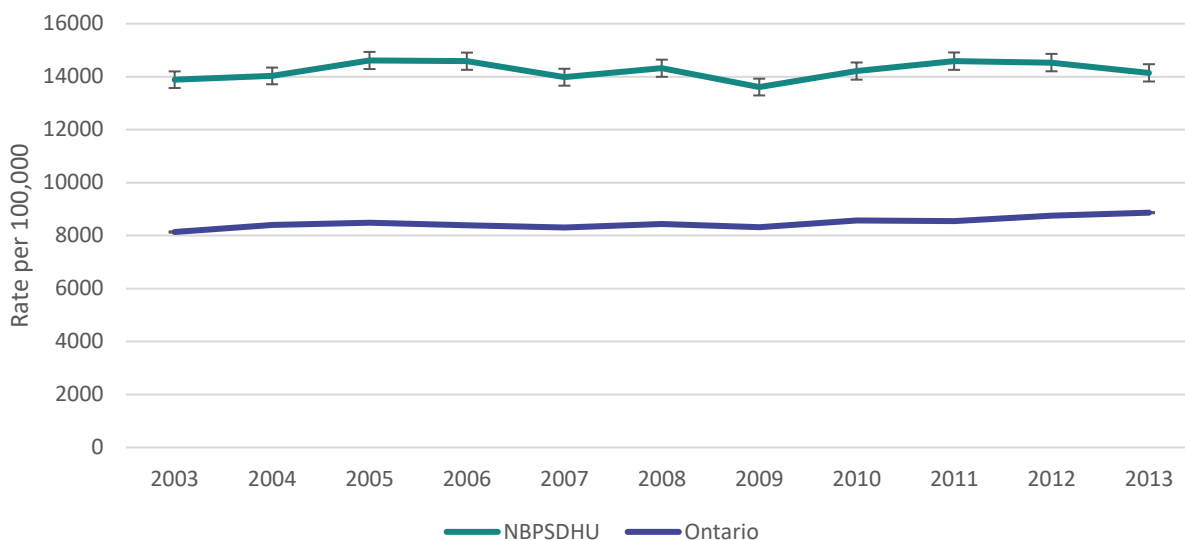


Table 2. Age-standardized rate (per 100,000 population) of all injury-related ED visits in NBPSDHU and Ontario, for males and females, 2003-2013.

Year	Males		Females	
	NBPSDHU	Ontario	NBPSDHU	Ontario
2003	20324.7	12252.6	13885.1	8135.2
2004	21017.9	12516.8	14027.7	8407.2
2005	20844.5	12534.4	14611.8	8485.1
2006	21441.1	12254.0	14583.5	8392.9
2007	20547.4	12019.5	13979.0	8304.1
2008	20059.8	11912.5	14318.0	8443.3
2009	18786.6	11497.4	13607.6	8321.6
2010	18554.3	11704.5	14211.5	8565.1
2011	19122.3	11551.9	14584.8	8542.9
2012	18822.0	11639.4	14530.9	8754.8
2013	18021.4	11470.3	14143.5	8866.0

Unintentional Injuries

The age-standardized rate of unintentional injury-related ED visits in the NBPSDHU region was significantly higher than the rates in Ontario for both males and females from 2003-2013 (Figures 4 and 5, respectively, Table 3). The rate of unintentional injury-related ED visits by males in both the NBPSDHU region and Ontario was significantly lower in 2013 as compared to 2003 (Figure 4, Table 3). The rate for females in NBPSDHU did not differ significantly in 2013 as compared to 2003, however the rate of unintentional injury-related ED visits by females in Ontario was significantly higher in 2013 as compared to 2003 (Figure 5, Table 3).

The highest rates of unintentional injury-related ED visits by males in the NBPSDHU region were due to falls, struck by or against, and cut or pierce (Table 4). The highest rates of unintentional injury-related ED visits by females in the NBPSDHU region were due to falls, struck by or against, and overexertion (Table 4). There was a significantly higher rate

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of ED visits in males as compared to females for cut or pierced by an object, struck by or against an object, foreign body in eye or orifice, and all land transport collisions in the NBPSDHU region in 2013 (Table 4).

Compared to Ontario, unintentional injury-related ED visits for both males and females in the NBPSDHU region in 2013 were significantly higher for all injury types except near-drowning or submersion and suffocation, for which there was no significant difference.

Figure 4. Age-standardized rate (per 100,000 population) of unintentional injury-related ED visits for males, NBPSDHU and Ontario, 2003-2013.

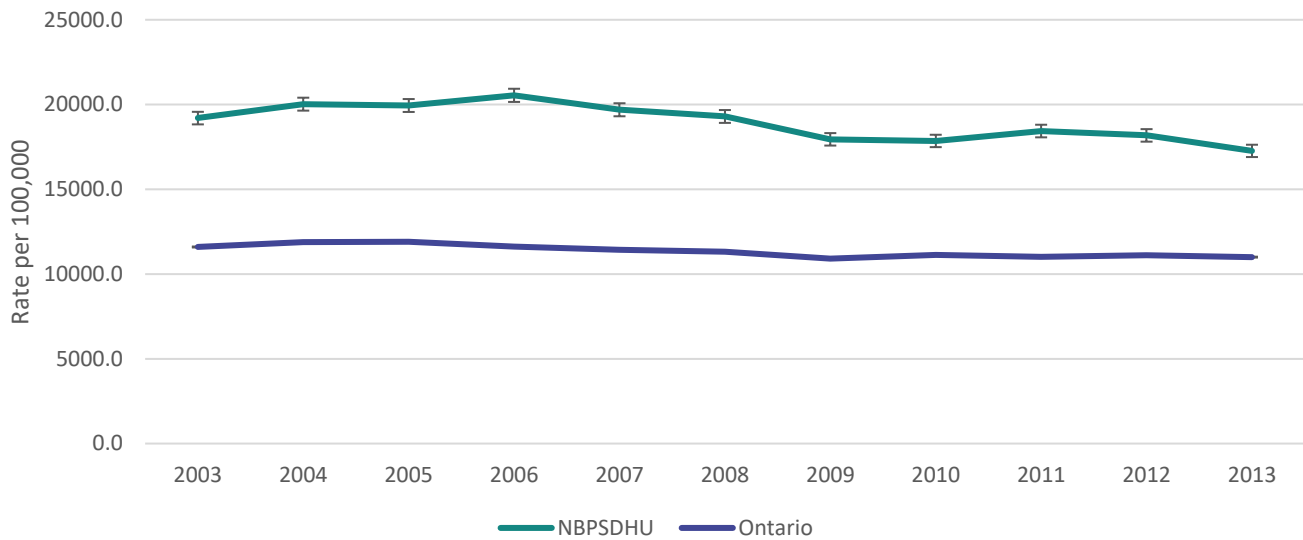
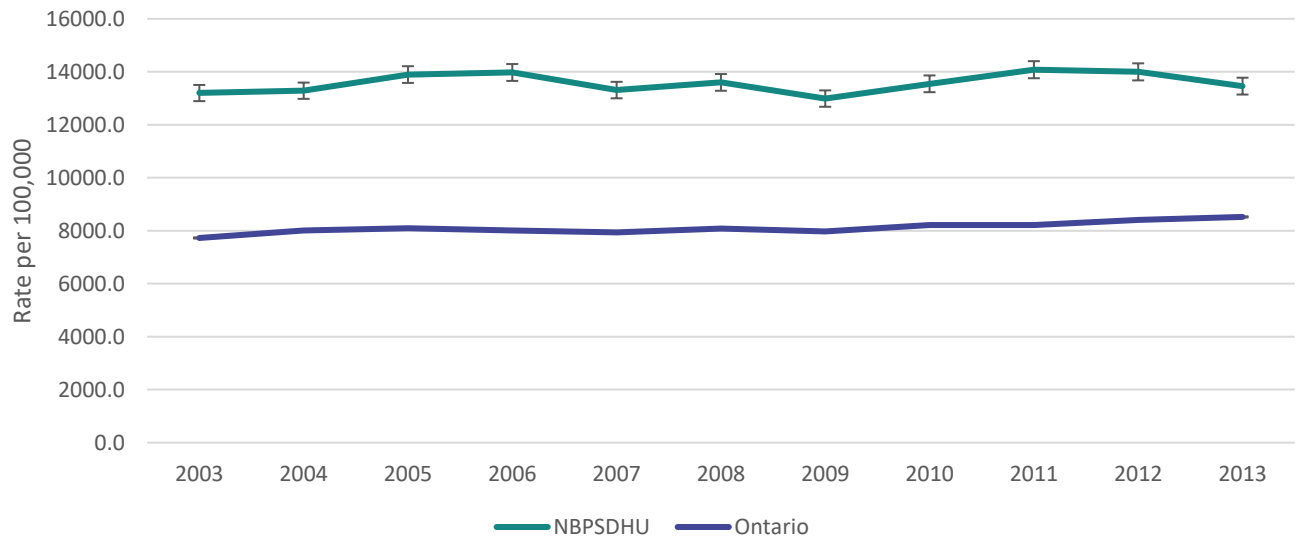


Figure 5. Age-standardized rate (per 100,000 population) of unintentional injury-related ED visits for females, NBPSDHU and Ontario, 2003-2013.



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Table 3. Age-standardized rate (per 100,000 population) of unintentional injury-related ED visits for NBPSDHU and Ontario, for males and females, 2003-2013.

Year	Males		Females	
	NBPSDHU	Ontario	NBPSDHU	Ontario
2003	19198.6	11595.4	13199.0	7727.1
2004	20021.1	11885.5	13286.5	8009.1
2005	19942.0	11902.8	13896.6	8095.8
2006	20541.3	11620.2	13975.3	8015.8
2007	19689.5	11422.1	13310.9	7943.3
2008	19295.5	11316.4	13600.1	8080.8
2009	17946.9	10909.1	12989.8	7979.0
2010	17850.7	11134.3	13547.0	8211.9
2011	18435.8	11015.0	14079.7	8213.0
2012	18178.7	11115.9	13998.3	8414.0
2013	17264.9	10998.5	13459.7	8521.4

Table 4. Age-standardized rate (per 100,000 population) of unintentional injury-related ED visits by type of injury for NBPSDHU, for males and females, 2013.

Type of injury	Males	Females
Bite by dog or other mammal	325.8	396.0
Caught or crushed between objects	479.7	372.3
Cut or pierced by an object	1781.5	837.5
Struck by or against an object	3254.5	1769.9
Exposure to smoke or fire or contact with heat or hot substances	248.2	246.7
Falls	4108.3	4333.0
Foreign body in an eye or orifice	1098.5	421.0
All land transport collisions	1314.1	1096.3
Motor vehicle collisions	939.7	888.0
Near-drowning or submersion	7.6	7.1
Overexertion	1401.8	1316.9
Suffocation	17.9	7.3
Unintentional poisoning	243.4	257.1

Intentional Injuries

The age standardized rate of intentional injury-related ED visits in the NBPSDHU region was significantly higher than the rate in Ontario in 2003 to 2013 for both males and females (Figure 6 and Figure 7, respectively; Table 5). The rate for males in 2013 in the NBPSDHU region and Ontario was significantly lower than the rate in 2003 (Figure 6, Table 5). The rate for females in NBPSDHU did not differ significantly in 2013 as compared to 2003, however the rate of intentional injury-related ED visits by females in Ontario was significantly lower in 2013 as compared to 2003 (Figure 7, Table 5).

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The rate of injury-related ED visits by males for assault in the NBPSDHU in 2013 is significantly higher than the rate of visits for intentional self-harm. For females, there is no difference in the rate of ED visits for assault and intentional self-harm in NBPSDHU region in 2013. The rate of visits for intentional self-harm is significantly higher in females than in males in NBPSDHU region in 2013, while the rate of visits for assault is significantly higher in males than females (Table 6).

Figure 6. Age-standardized rate (per 100,000 population) of intentional injury-related ED visits for males, NBPSDHU and Ontario, 2003-2013.

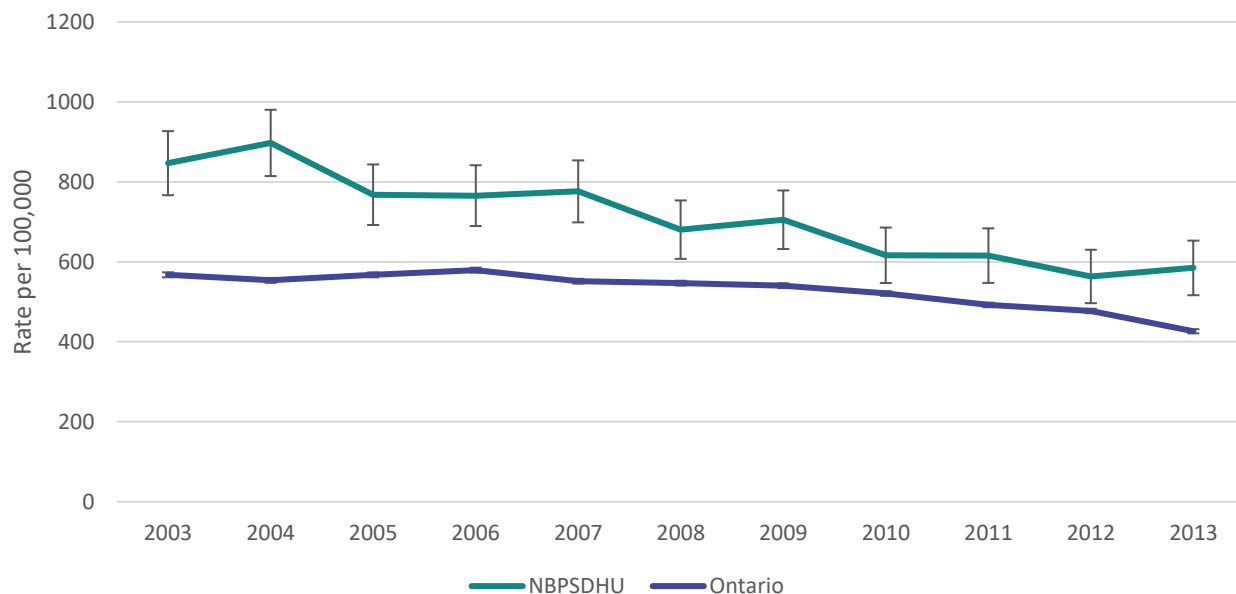
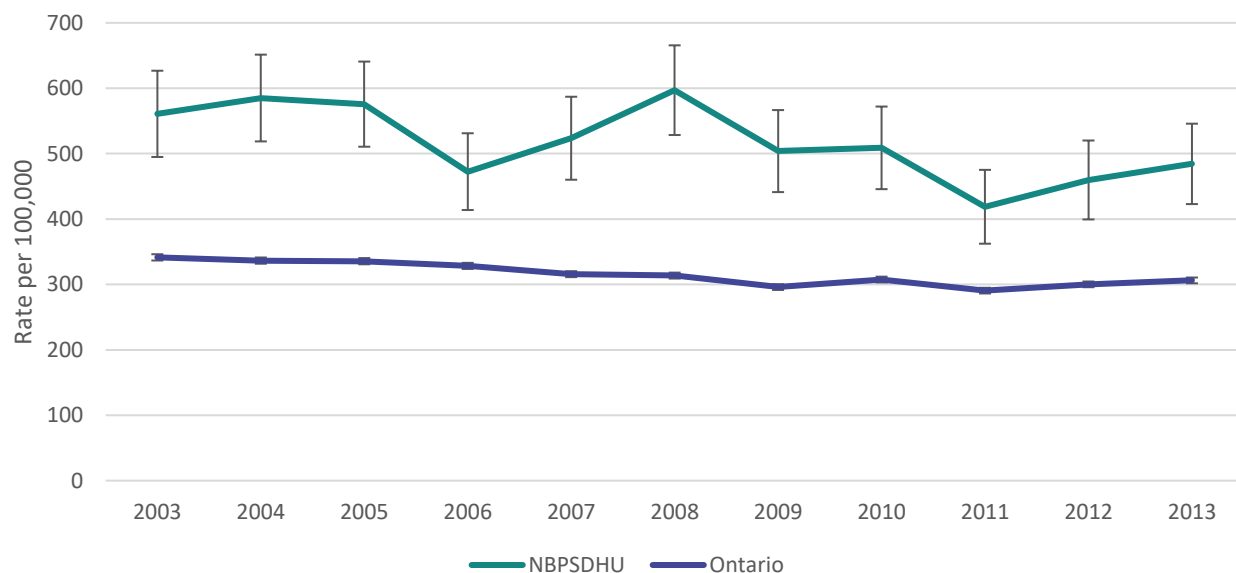


Figure 7. Age-standardized rate (per 100,000 population) of intentional injury-related ED visits for females, NBPSDHU and Ontario, 2003-2013.



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Table 5. Age-standardized rate (per 100,000 population) of intentional injury-related ED visits for NBPSDHU and Ontario, for males and females, 2003-2013.

Year	Males		Females	
	NBPSDHU	Ontario	NBPSDHU	Ontario
2003	846.8	560.9	567.6	341.4
2004	897.4	585.0	553.6	336.4
2005	767.9	575.7	567.5	335.5
2006	765.5	472.5	579.2	328.3
2007	776.2	523.5	551.5	315.7
2008	680.5	597.0	546.8	313.6
2009	705.3	503.9	540.4	296.0
2010	616.4	508.9	520.8	307.4
2011	615.6	418.7	492.2	290.6
2012	563.4	459.8	477.1	300.1
2013	584.8	484.3	426.4	306.2

Table 6. Age-standardized rate (per 100,000 population) of intentional injury-related ED visits by type of injury for NBPSDHU, for males and females, 2013.

Type of injury	Males	Females
Assault	438.7	240.2
Intentional self-harm	169.7	283.5