Opioid Use and Related Adverse Events in Ontario

The Ontario Drug Policy Research Network

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About the ODPRN

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The Ontario Drug Policy Research Network (ODPRN) is a province wide network of researchers who provide timely, high quality, drug policy relevant research to decision makers. The ODPRN's core principles are quality, relevance, and timeliness. We conduct research to determine real-world drug utilization, safety, effectiveness, and costs of drugs in Ontario, and have developed partnerships that allow us to engage in cross-provincial comparisons of drug safety and utilization.

We are funded to conduct pharmacoepidemiologic and drug policy research as part of an initiative to provide evidence to inform policy at the Ontario Ministry of Health and Long-Term Care (MOHLTC). As such, the ODPRN works closely with the Ontario Public Drug Programs (OPDP), MOHLTC and other stakeholders to select key priority areas and topics for analysis.

For more information about the ODPRN and the work we do:

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This version of the report has been slightly revised following its initial release to clarify some text and revise an issue with denominators in our high strength opioid analysis. As a result, some percentages for high strength opioid use may differ slightly from the original report.

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Glossary of Terms

Active Ontario Drug Benefit (ODB) beneficiaries: Individuals who filled at least one publically-funded prescription for any drug covered by the ODB program.

High-strength opioid formulation: An opioid formulation where the strength of the tablet or patch is particularly high and would result in daily dose exceeding 200mg morphine or equivalent if taken 1-2 times daily. The government recently announced that they will no longer pay for these formulations as of January 1, 2017. Specifically, these include: fentanyl 75 mcg/hour and 100 mcg/hour, hydromorphone 24 mg and 30 mg, and morphine 200 mg.

Immediate-release (IR) combination agent: Opioid formulations that release the full dose of the opioid immediately as the tablet dissolves. These products contain smaller opioid doses and are often used multiple times a day. Some IR formulations are also combination agents, opioid formulations that contain both opioid and non-opioid ingredients. The most common non-opioid combination ingredient is acetaminophen. Examples include Tylenol No. 2 and 3 (acetaminophen plus codeine) and Percocet (acetaminophen and oxycodone). Full list can be found in [Technical Appendix](#).

Immediate-release (IR) single agent: Some IR formulations (defined above) only contain opioid ingredients. Examples of IR formulations include Dilaudid (hydromorphone), Statex (morphine), and Supeudol (oxycodone). Full list can be found in [Technical Appendix](#).

Long-acting (LA) agent: Opioid formulations that slowly release the opioid over a longer period of time. These products contain higher opioid doses and are only to be used one or 2 times a day. Examples of LA opioid formulations include MS-Contin (Morphine), OxyNeo (Oxycodone), Hydromorph-Contin (Hydromorphone).

Ontario Drug Benefit (ODB) program: Ontario publically-funded drug program that covers prescription drugs for all residents over the age of 65. Residents under the age of 65 can also qualify for this program if they have low socio-economic status, receive disability support or home care, have high drug costs relative to household income, or reside in a long-term care home.

Opioid Maintenance Therapy (OMT): An opioid drug that is used to treat opioid addiction (methadone or buprenorphine/naloxone). See [Technical Appendix](#) for list of opioids included.

Opioid-related death: Any death deemed by the Office of the Chief Coroner of Ontario to be opioid-related.

Opioid-related emergency department visit: An individual who had an unscheduled emergency department visit where there is at least one diagnosis code related to opioid-toxicity. We excluded any suspected diagnoses or scheduled visits and included all diagnosis types (not limited to main reason for visit).

Opioid-related hospital admission: An individual who was admitted to hospital and had at least one diagnosis code related to opioid-toxicity. We excluded suspected diagnoses and kept diagnoses that were present on admission or occurred during the hospitalization.

Opioid user: An individual who was dispensed at least one opioid drug that was reimbursed by the provincial government (i.e. codeine, morphine, hydromorphone, oxycodone, fentanyl, and other rarely used opioids). Note that when we refer to opioid users throughout the report, we are not referring to users of opioids for OMT. See [Technical Appendix](#) for list of opioids included.

Background and Context

Over the past two decades there has been growing concern about the use of opioids to treat chronic non-cancer pain (CNCP).^{1,2} Studies conducted in Ontario and elsewhere have demonstrated that rates of opioid prescribing in general – and high dose opioid prescribing in particular – are on the rise.¹⁻³ Furthermore, the rising prevalence of abuse, misuse and addiction related to opioids has driven concerns regarding accidental opioid overdoses that may lead to hospitalizations for toxicity, and sometimes death. Indeed, in an analysis of opioid-related deaths abstracted from the Office of the Chief Coroner of Ontario, we found that rates of opioid overdose deaths increased 242% between 1991 and 2010.⁴ By 2010, there were 550 deaths related to opioid overdoses in Ontario, many of them in young people, representing a major impact on public health.⁴

The Ontario Drug Policy Research Network (ODPRN) has released several reports and interactive maps summarizing rates of opioid prescribing and opioid overdose deaths by counties in Ontario. These reports document considerable variation by regions in Ontario, with northern counties demonstrating the highest rates of opioid use and opioid-related deaths.⁵⁻⁷ More recently, our group has expanded our work to report on hospitalizations for opioid-related toxicity.⁸ This work has helped inform public health programs related to opioid misuse and abuse, and harm reduction initiatives across public health units in Ontario. With more recent data available on opioid-related deaths and a refined methodology to identify hospitalizations related to opioid-toxicity⁹, we have updated our analyses to include estimates on opioid prescribing, opioid-related hospitalizations and emergency department visits, and opioid-related deaths in Ontario's 49 counties and 14 Local Health Integration Networks (LHINs). The scope of this report was informed by consultation between the ODPRN and public health stakeholders in Ontario, who took part in a webinar led by the ODPRN to provide feedback on the most meaningful outcomes to present.

Methods

Setting

We conducted a cross-sectional analysis among individuals living in Ontario to evaluate rates of opioid prescribing, opioid-related hospitalizations and emergency department visits and opioid-related deaths, by Ontario's counties and LHINs. While all opioid use and prescribing rates are restricted to the population of people eligible for publically-funded drug coverage in Ontario, all outcome rates (hospitalizations, emergency department visits and deaths) are presented for the entire population of Ontario. The year presented for each of the measures in this report are based on the most recent year for which data is available. This is 2015 for publically-funded prescribing information, 2014 for hospitalization information and 2013 for death information. All datasets used in this study were linked using unique, encoded identifiers and analyzed at the Institute for Clinical Evaluative Sciences (ICES; www.ices.on.ca) using SAS Enterprise Guide Version 6.1.

Publically-Funded Opioid Prescribing

We used the Ontario Drug Benefit (ODB) claims database to identify patients who were active beneficiaries of Ontario's public drug program between 2011 and 2015. To be eligible for the ODB program in Ontario, an individual must have a valid Ontario health card and be over the age of 65. Individuals under the age of 65 can also qualify if they have low socio-economic status, receive disability support or home care, have high drug costs relative to household income, or reside in a long-term care home. Active ODB beneficiaries were defined as individuals who filled at least one prescription during the year for any drug covered by the ODB program. The ODB database was also used to identify the number of opioid prescriptions dispensed, and the unique number of patients receiving opioid analgesics and high strength opioid formulations ([See Glossary](#)) in the province. The number and rate of opioid users was calculated

as the number of individuals dispensed an opioid through the ODB program per 10,000 active ODB beneficiaries in each year studied. Rates were stratified into opioids used to treat addiction (Opioid Maintenance Therapy (OMT); methadone or buprenorphine/naloxone) and all other non-OMT opioids (i.e. codeine, morphine, hydromorphone, oxycodone, fentanyl, and other rarely used opioids). Throughout the report, when we refer to “rates of opioid users”, we are referring to non-OMT opioids. In the [Report Cards](#) by county, we also report trends in rates of opioid users annually between 2011 and 2015.

Opioid-Related Hospital Admissions and Emergency Department Visits

We used the Canadian Institute for Health Information Discharge Abstract Database (CIHI DAD) which collects information on all acute inpatient hospitalizations to identify all inpatient hospital admissions related to opioid toxicity between 2011 and 2014 (the most recent complete year of data available). We excluded suspected diagnoses and kept diagnoses that were present on admission or occurred during the hospitalization. Emergency department (ED) visits related to opioid toxicity were identified using the CIHI-National Ambulatory Care Reporting System (NACRS) database over the same time period. We excluded any suspected diagnoses or scheduled visits and included all diagnosis types, regardless of whether it was the main reason for the visit. The International

Statistical Classification of Diseases and Related Health Problems, 10th Revision (ICD-10) codes were used to identify opioid-related hospital admissions and emergency department visits (**Table 1**). Rates were calculated annually as the number of opioid-related hospital admissions or emergency department visits per 10,000 population using population estimates from Statistics Canada as a denominator. We report rates in 2014 by county, LHIN and age group. In the [Report Cards](#) by county, we also report trends in rates of hospitalizations and emergency department visits for opioid toxicity between 2011 and 2014.

Opioid-Related Deaths

We used the Office of the Chief Coroner of Ontario’s mortality data to capture the number of opioid-related deaths in Ontario between 2009 and 2013 (the most recent year of data available). Rates of opioid-related deaths were calculated as the number of opioid-related deaths per 10,000 population using population estimates from Statistics Canada as a denominator. We report rates in 2013 by county, LHIN and age group. Due to small numbers of events in some regions, we also present an annualized rate of opioid-related deaths over a 5 year period between 2009 and 2013 by averaging yearly opioid-related death rates during this period. In the [Report Cards](#) by county, we also report trends in rates of opioid-related deaths between 2011 and 2013.

Ranks

A rank is provided based on the rate for each measure in this report by county and LHIN, with a rank of 1 representing the highest rate in Ontario.

Table 1: Codes for opioid-related hospital admissions and emergency department visits

ICD-10 Code	Description
T40.0	Poisoning by Opium
T40.1	Poisoning by Heroin
T40.2	Poisoning by Other Opioids
T40.3	Poisoning by Methadone
T40.4	Poisoning by Other Synthetic Narcotics
T40.6	Poisoning by Other and Unspecified Narcotics

Methodological Note

- All opioid prescribing information in this report is restricted to individuals who are eligible for publically-funded prescription drug coverage in Ontario. This does not capture prescriptions dispensed through private insurance, cash payments, the federal public drug program (Non-Insured Health Benefits for indigenous populations) or illicit use.
- All rates of outcomes, including opioid-related hospital admissions, emergency department visits and deaths are captured for ALL residents of Ontario.

Key Findings in Ontario

Figure 1: Highlights of opioid use and adverse events in Ontario

Publically-Funded Opioid Prescribing

There were 3,261,025 ODB-eligible residents in Ontario in 2015, 669,674 (2,054 users per 10,000 eligible) of whom were dispensed an opioid for pain and 33,693 (103 users per 10,000 eligible) of whom were dispensed an opioid for OMT. This amounted to 4,902,749 opioid prescriptions dispensed for pain and 8,349,771 opioid prescriptions dispensed for OMT. The larger number of prescriptions dispensed for OMT, despite the small number of users, reflects the nature of OMT dispensing in the province. Methadone is generally dispensed daily, which results in more frequent dispensing records for

OMT. The rate of OMT opioid users was highest among ODB beneficiaries aged 25-44 (657 users per 10,000 eligible) compared to beneficiaries of other ages (**Table 2**). In contrast, the rate of opioid users was highest among individuals aged 45 to 64 years (2,379 users per 10,000 eligible). Among the 669,674 patients dispensed an opioid for pain in 2015, 1.9% (12,790 users) were dispensed a high-strength opioid formulation. In 2015, the most common opioids used for pain were immediate release combination agents (515,180 users; 1,580 users per 10,000 eligible) and immediate release single agents (193,604 users; 594 users per 10,000 eligible; **Figure 2**).

Figure 2: Rate of opioid type dispensed among opioid users in Ontario

Opioid-Related Hospital Admissions and Emergency Department Visits

In 2014 there were 3,241 opioid-related emergency department visits and 1,620 opioid-related hospital admissions in Ontario. The rate of opioid-related emergency department visits was 2.4 per 10,000 residents while the rate of hospital admissions was 1.2 per 10,000 residents in 2014. The rate of opioid-related emergency department visits was highest among residents aged 25 to 44 years (3.1 visits per 10,000 residents). In contrast, the rate of opioid-related hospital admissions was highest among residents aged 65 and older (1.9 admissions per 10,000 residents; **Table 2**).

Opioid-Related Deaths

There were 638 opioid-related deaths in Ontario in 2013, representing a rate of 0.47 opioid-related deaths per 10,000 residents. Among the opioid-related deaths, 12.9% (N=82) were due to suicide. The rate of opioid-related deaths in 2013 was highest among those aged 25 to 44 and 45 to 64 years (0.78 and 0.73 deaths per 10,000 residents in these age groups, respectively).

Table 2: Opioid use and adverse events in Ontario, by age groups

Measures	Age Group			
	Number (Rate)*			
	Age <25	Age 25-44	Age 45-64	Age 65+
OMT users in 2015	2,939 (104)	20,685 (657)	9,458 (167)	611 (3)
Opioid users in 2015	17,695 (625)	61,586 (1,956)	135,002 (2,379)	455,391 (2,173)
Opioid-related ED visits in 2014	631 (1.6)	1,129 (3.1)	1,039 (2.7)	442 (2.1)
Opioid-related hospital admissions in 2014	191 (0.5)	388 (1.1)	632 (1.6)	409 (1.9)
Opioid-related deaths in 2013	48 (0.12)	283 (0.78)	279 (0.73)	28 (0.14)

*Rates of opioid and OMT users are reported per 10,000 ODB eligible. All other rates reported are per 10,000 residents in Ontario.

Key Findings by LHIN

The highest rates of opioid use and related adverse events were observed in the northern LHINs (North East, North West) and western LHINs (Erie St. Clair, Hamilton-Niagara-Haldimand-Brant) in Ontario.

Publically-Funded Opioid Prescribing

There was an 8-fold variation in the rate of OMT users among ODB eligible individuals in Ontario LHINs in 2015, ranging from 42 users per 10,000 eligible in the Mississauga-Halton LHIN to 346 users per 10,000 eligible in the North West LHIN. The variations in the rate of users for other opioids was less pronounced between LHINs and varied 1.4-fold, ranging from 1,777 users per 10,000 eligible in the Central LHIN to 2,412 users per 10,000 eligible in the Hamilton-Niagara-Haldimand-Brant LHIN.

Opioid-Related Hospital Admissions and Emergency Department Visits

In 2014 rates of opioid-related hospital admissions varied 4.5-fold between LHINs in Ontario, from 0.5 admissions per 10,000 residents in the Central LHIN to 2.4 admissions per 10,000 residents in the North East LHIN. Similarly, rates of opioid-related emergency department visits varied nearly 4-fold from 1.2 visits per 10,000 residents in both the Central West and Central LHIN to 4.5 visits per 10,000 residents in the North East LHIN.

Opioid-Related Deaths

The rates of opioid-related deaths between LHINs in Ontario varied widely, ranging from 0.20 deaths per 10,000 residents in the Mississauga-Halton LHIN to 1.39 deaths per 10,000 residents in the North West LHIN in 2013. The North West LHIN also had high rates of opioid users and opioid-related hospital admissions and emergency department visits. The North East LHIN had the second highest rate of deaths in 2013 (1.01 deaths per 10,000 residents) and the highest number of opioid-related hospital

admissions and emergency department visits in the province. Similar variations between LHINs existed for 5-year annualized rates of opioid-related deaths (2009-2013) in Ontario. However, rates of opioid-related deaths were higher in 2013 compared to the average opioid-related death rates over 5 years, suggesting that opioid-related deaths may be increasing in some regions of the province.

Click image to view an interactive **map of the findings at the LHIN level in Ontario**

Table 3: Number and rate of opioid users per 10,000 public drug plan beneficiaries* in Ontario in 2015, by LHIN

LHIN (ordered by LHIN number)	Opioid Users			OMT Opioid Users		
	Number	Rate per 10,000	Rank	Number	Rate per 10,000	Rank
Ontario	669,674	2,054		33,693	103	
Erie St. Clair	43,302	2,319	2	2,544	136	3
South West	52,888	2,002	11	3,377	128	6
Waterloo Wellington	33,883	2,011	10	1,418	84	10
Hamilton Niagara Haldimand Brant	93,308	2,412	1	5,271	136	4
Central West	34,219	2,040	9	830	49	12
Mississauga Halton	39,429	1,803	12	914	42	14
Toronto Central	52,813	2,047	8	2,929	114	8
Central	66,388	1,777	14	1,671	45	13
Central East	80,194	2,057	7	3,636	93	9
South East	33,943	2,140	5	1,863	117	7
Champlain	59,066	1,797	13	2,263	69	11
North Simcoe Muskoka	27,836	2,247	4	1,640	132	5
North East	39,585	2,307	3	3,259	190	2
North West	12,084	2,061	6	2,026	346	1

*Denominators can be found in [Technical Appendix](#).

Table 4: Number and rate of opioid-related hospital admissions and emergency department visits per 10,000 residents* in Ontario in 2014, by LHIN

LHIN (ordered by LHIN number)	Hospital Admissions			Emergency Department Visits		
	Number	Rate per 10,000	Rank	Number	Rate per 10,000	Rank
Ontario	1,620	1.2		3,241	2.4	
Erie St. Clair	94	1.5	6	169	2.7	6
South West	141	1.5	7	223	2.3	9
Waterloo Wellington	108	1.4	8	178	2.3	8
Hamilton Niagara Haldimand Brant	266	1.9	4	587	4.1	3
Central West	61	0.7	12	111	1.2	13
Mississauga Halton	74	0.6	13	165	1.4	12
Toronto Central	120	1.0	10	254	2.1	10
Central	99	0.5	14	211	1.2	14
Central East	146	0.9	11	408	2.6	7
South East	98	2.0	2	156	3.2	5
Champlain	142	1.1	9	269	2.1	10
North Simcoe Muskoka	91	1.9	3	153	3.2	4
North East	136	2.4	1	249	4.4	1
North West	42	1.8	5	98	4.1	2

*Denominators obtained from Statistics Canada population estimates can be found in [Technical Appendix](#).

Table 5: Number and rate of opioid-related deaths in 2013 and over the past 5 years (2009-2013) per 10,000 residents* in Ontario, by LHIN

LHIN (ordered by LHIN number)	Deaths in 2013			Deaths Over 5 Years		
	Number	Rate per 10,000	Rank	Number	Annualized Rate per 10,000	Rank
Ontario	638	0.47		2879	0.43	
Erie St. Clair	44	0.69	4	207	0.65	3
South West	58	0.60	6	236	0.49	6
Waterloo Wellington	33	0.43	9	129	0.34	10
Hamilton Niagara Haldimand Brant	97	0.68	5	453	0.65	3
Central West	23	0.26	12	115	0.26	12
Mississauga Halton	24	0.20	14	135	0.24	13
Toronto Central	66	0.54	7	295	0.49	6
Central	42	0.23	13	186	0.21	14
Central East	62	0.39	10	308	0.40	9
South East	24	0.49	8	107	0.44	8
Champlain	39	0.30	11	192	0.30	11
North Simcoe Muskoka	34	0.73	3	127	0.56	5
North East	57	1.01	2	249	0.88	2
North West	33	1.39	1	125	1.05	1

*Denominators obtained from Statistics Canada population estimates can be found in [Technical Appendix](#).

Key Findings by County

There was a wide variation in the rates of opioid use and related adverse events by counties in Ontario, with the highest rates clustered in many northern counties (Algoma District, Thunder Bay District, Parry Sound District, Timiskaming District) and a few western counties (Brant County, Niagara Regional Municipality).

Publically-Funded Opioid Prescribing

There was a 12-fold variation in the rate of OMT users among counties in Ontario in 2015, ranging from 35 users per 10,000 eligible in Perth County to 413 users per 10,000 eligible in Thunder Bay District. The variation in the rate of opioids used

for pain was less pronounced with just less than a 2-fold variation in rates, ranging from 1,677 per 10,000 eligible in the York Regional Municipality to 2,763 per 10,000 eligible in Timiskaming District. Despite the high rate of opioid users in Timiskaming District, the rate of OMT users in this area was 131 per 10,000 eligible, only slightly higher than the Ontario average.

Opioid-Related Hospital Admissions and Emergency Department Visits

The rates of opioid-related hospital admissions varied nearly 7-fold among counties in Ontario in 2014, from 0.5 admissions per 10,000 residents in York Regional Municipality to 3.3 admissions per 10,000 residents in Parry Sound District. Parry Sound District also had a high rate of emergency department visits (4.7 visits per 10,000 residents), almost double the Ontario average. Rates of opioid-related emergency department visits varied nearly 6-fold from 1.1 visits per 10,000 residents in York Regional Municipality to 6.2 visits per 10,000 residents in Algoma District. Algoma District also had the second highest rate of hospital admissions (3.1 admissions per 10,000 residents). Niagara Regional Municipality and Brant County, regions in western Ontario with high rates of opioid users (2,571 and 2,450 users per 10,000 eligible, respectively), also displayed high rates of opioid-related emergency department visits (5.4 and 4.3 visits per 10,000 residents, respectively). In the east, Peterborough County and Frontenac County also had high rates of opioid-related emergency department visits (4.5 and 4.3 visits per 10,000 residents) and hospital admissions (2.3 and 2.4 admissions per 10,000 residents). Peterborough County also had high rates of opioid prescribing (2,402 users per 10,000 eligible).

Opioid-Related Deaths

Counties in the northern region of Ontario had the highest rate of opioid-related deaths in 2013. The variation in rates of opioid-related deaths between counties in Ontario was large, with the highest rates occurring in Thunder Bay District and Timiskaming District (1.9 and 2.1 opioid-related deaths per 10,000 residents). However, the rate in Timiskaming District should be interpreted with caution given the small number of deaths (7) occurring in this region. Thunder Bay and Timiskaming District also had the highest rate of OMT users and opioid users, respectively, and high rates of opioid-related hospitalizations and emergency department visits.

Rates of opioid-related deaths were also high in the eastern counties of Kawartha Lakes Division, Peterborough County and Frontenac County, which also had high rates of opioid users. The 5-year annualized rate of opioid-related deaths also varied across counties in Ontario, from 0.19 per 10,000 residents in York Regional Municipality to 1.5 per 10,000 residents in Thunder Bay District. Similar patterns of variation existed among counties for 5-year annualized rates of opioid-related deaths (2009-2013) in Ontario. However, in some counties the rate of opioid-related death lowered considerably when averaging over 5 years, suggesting that opioid-related deaths have been on the rise over the past 5 years in some counties.

Click image to view an interactive map of the findings at the County level in Ontario

Table 6: Number and rate of opioid users per 10,000 public drug plan beneficiaries* in Ontario in 2015, by county

County (Alphabetical)	Opioid Users			OMT Opioid Users		
	Number	Rate per 10,000	Rank	Number	Rate per 10,000	Rank
Ontario	669,674	2,054		33,693	103	
Algoma District	8,976	2,231	19	608	151	13
Brant County	8,915	2,450	5	683	188	6
Bruce County	3,833	1,871	45	86	42	46
Chatham-Kent Division	6,890	2,038	32	510	151	14
Cochrane District	5,058	2,383	13	317	149	15
Dufferin County	2,579	2,226	20	75	65	40
Durham Regional Municipality	28,720	2,157	26	1,410	106	31
Elgin County	5,779	2,386	12	356	147	16
Essex County	27,984	2,443	7	1,315	115	26
Frontenac County	9,376	1,993	37	676	144	17
Greater Sudbury Division	9,905	2,153	27	1,058	230	4
Grey County	6,283	2,052	31	215	70	38
Haldimand-Norfolk Regional Municipality	7,245	2,321	15	334	107	30
Haliburton County	1,810	2,588	2	81	116	25
Halton Regional Municipality	18,661	1,836	46	396	39	48
Hamilton Division	35,413	2,417	9	1,797	123	23
Hastings County	10,513	2,343	14	644	144	18
Huron County	3,363	1,881	44	83	46	43
Kawartha Lakes Division	5,977	2,456	4	309	127	22
Kenora District	2,508	2,151	28	187	160	11
Lambton County	8,428	2,199	22	719	188	7
Lanark County	4,206	1,990	38	178	84	35
Leeds and Grenville United Counties	6,311	1,975	39	191	60	42
Lennox and Addington County	3,021	2,207	21	147	107	29
Manitoulin District	1,097	2,428	8	145	321	2
Middlesex County	24,094	1,966	41	2,182	178	9
Muskoka District Municipality	4,082	2,140	29	218	114	27
Niagara Regional Municipality	34,162	2,571	3	2,324	175	10
Nipissing District	6,699	2,400	11	715	256	3
Northumberland County	6,174	2,179	24	279	98	33
Ottawa Division	37,713	1,680	48	1,379	61	41
Oxford County	6,002	2,080	30	394	137	19
Parry Sound District	3,669	2,444	6	181	121	24
Peel Regional Municipality	47,073	1,899	43	1,079	44	44
Perth County	3,453	1,758	47	68	35	49
Peterborough County	10,956	2,402	10	841	184	8
Prescott and Russell United Counties	4,375	1,973	40	91	41	47
Prince Edward Division	2,226	2,257	17	67	68	39
Rainy River District	1,086	2,190	23	98	198	5
Renfrew County	6,871	2,247	18	322	105	32
Simcoe County	26,722	2,268	16	1,530	130	21
Stormont, Dundas and Glengarry United	7,544	2,024	33	402	108	28
Sudbury District	1,458	2,164	25	106	157	12
Thunder Bay District	8,526	2,021	34	1,743	413	1
Timiskaming District	2,687	2,763	1	127	131	20
Toronto Division	122,299	1,929	42	4,700	74	37
Waterloo Regional Municipality	23,695	2,013	35	1,021	87	34
Wellington County	9,788	1,997	36	384	78	36
York Regional Municipality	34,733	1,677	49	870	42	45

*Denominators can be found in [Technical Appendix](#).

Table 7: Number and rate of opioid-related hospital admissions and emergency department visits per 10,000 residents* in Ontario in 2014, by county

County (Alphabetical)	Hospital Admissions			Emergency Department Visits		
	Number	Rate per 10,000	Rank	Number	Rate per 10,000	Rank
Ontario	1,620	1.2		3,241	2.4	
Algoma District	36	3.1	3	72	6.2	1
Brant County	23	1.6	24	62	4.3	9
Bruce County	≤5	*	47	12	1.8	43
Chatham-Kent Division	20	1.9	18	30	2.8	26
Cochrane District	15	1.8	20	29	3.5	15
Dufferin County	≤5	*	45	16	2.6	29
Durham Regional Municipality	74	1.1	34	207	3.2	19
Elgin County	23	2.5	4	28	3.1	22
Essex County	45	1.1	35	99	2.5	34
Frontenac County	37	2.4	7	67	4.3	10
Greater Sudbury Division	27	1.6	23	59	3.6	14
Grey County	14	1.5	29	23	2.4	35
Haldimand-Norfolk Regional Municipality	12	1.1	36	37	3.3	17
Haliburton County	≤5	*	13	7	3.9	12
Halton Regional Municipality	38	0.7	43	92	1.7	44
Hamilton Division	124	2.3	11	213	3.9	13
Hastings County	22	1.6	25	45	3.3	18
Huron County	11	1.9	19	18	3.1	24
Kawartha Lakes Division	8	1.1	37	31	4.1	11
Kenora District	8	1.1	33	22	3.1	20
Lambton County	29	2.2	14	40	3.1	23
Lanark County	10	1.5	28	18	2.7	28
Leeds and Grenville United Counties	18	1.8	22	23	2.3	38
Lennox and Addington County	11	2.5	5	10	2.3	37
Manitoulin District	≤5	*	12	6	4.5	8
Middlesex County	74	1.6	26	101	2.2	41
Muskoka District Municipality	8	1.3	31	16	2.6	30
Niagara Regional Municipality	89	2.0	15	240	5.4	2
Nipissing District	27	3.1	2	40	4.6	6
Northumberland County	8	0.9	39	29	3.4	16
Ottawa Division	92	1.0	38	194	2.1	42
Oxford County	10	0.9	40	28	2.5	32
Parry Sound District	14	3.3	1	20	4.7	5
Peel Regional Municipality	101	0.7	42	180	1.3	47
Perth County	6	0.8	41	17	2.2	40
Peterborough County	32	2.3	9	63	4.5	7
Prescott and Russell United Counties	12	1.3	30	21	2.4	36
Prince Edward Division	≤5	*	16	≤5	*	45
Rainy River District	≤5	*	49	≤5	*	33
Renfrew County	7	0.7	44	28	2.7	27
Simcoe County	87	1.8	21	150	3.1	21
Stormont, Dundas and Glengarry United	26	2.3	10	14	1.2	48
Sudbury District	≤5	*	17	11	5.3	3
Thunder Bay District	35	2.4	8	73	4.9	4
Timiskaming District	8	2.4	6	10	3.0	25
Toronto Division	184	0.7	46	420	1.5	46
Waterloo Regional Municipality	82	1.5	27	120	2.2	39
Wellington County	26	1.2	32	56	2.5	31
York Regional Municipality	60	0.5	48	125	1.1	49

*Denominators obtained from Statistics Canada population estimates can be found in [Technical Appendix](#).

Table 8: Number and rate of opioid-related deaths in 2013 and over the past 5 years (2009-2013) per 10,000 residents* in Ontario, by county

County (Alphabetical)	Deaths in 2013			Deaths over 5 years		
	Number	Rate per 10,000	Rank	Number	Rate per 10,000	Rank
Ontario	638	0.5		2879	0.4	
Algoma District	11	0.93	9	50	0.84	8
Brant County	9	0.63	20	37	0.53	24
Bruce County	≤5	*	40	11	0.33	33
Chatham-Kent Division	≤5	*	28	20	0.37	35
Cochrane District	≤5	*	22	26	0.62	17
Dufferin County	≤5	*	26	16	0.55	22
Durham Regional Municipality	17	0.26	41	121	0.39	34
Elgin County	6	0.66	19	21	0.47	29
Essex County	30	0.75	14	146	0.73	12
Frontenac County	8	0.51	25	41	0.53	23
Greater Sudbury Division	16	0.97	7	79	0.96	5
Grey County	≤5	*	24	22	0.46	30
Haldimand-Norfolk Regional Municipality	≤5	*	36	29	0.52	25
Haliburton County	0	0.00	46	6	0.70	3
Halton Regional Municipality	9	0.17	44	68	0.26	45
Hamilton Division	43	0.79	12	202	0.75	10
Hastings County	10	0.72	16	33	0.48	27
Huron County	0	0.00	46	≤5	*	47
Kawartha Lakes Division	9	1.19	4	31	0.82	9
Kenora District	≤5	*	17	13	0.37	36
Lambton County	9	0.69	18	41	0.62	16
Lanark County	0	0.00	46	7	0.21	46
Leeds and Grenville United Counties	≤5	*	33	21	0.41	26
Lennox and Addington County	≤5	*	29	8	0.37	37
Manitoulin District	≤5	*	15	6	0.90	7
Middlesex County	36	0.78	13	139	0.61	18
Muskoka District Municipality	7	1.13	5	14	0.46	20
Niagara Regional Municipality	37	0.83	11	159	0.72	13
Nipissing District	11	1.26	3	49	1.12	4
Northumberland County	≤5	*	37	19	0.45	31
Ottawa Division	29	0.31	39	132	0.29	44
Oxford County	6	0.54	23	26	0.48	28
Parry Sound District	≤5	*	10	16	0.74	11
Peel Regional Municipality	25	0.18	43	146	0.22	48
Perth County	≤5	*	35	12	0.31	43
Peterborough County	15	1.08	6	44	0.63	15
Prescott and Russell United Counties	≤5	*	38	11	0.25	42
Prince Edward Division	≤5	*	34	≤5	*	19
Rainy River District	0	0.00	46	≤5	*	2
Renfrew County	≤5	*	27	23	0.44	32
Simcoe County	29	0.61	21	126	0.55	21
Stormont, Dundas and Glengarry United	≤5	*	45	20	0.35	40
Sudbury District	≤5	*	8	6	0.56	14
Thunder Bay District	28	1.87	2	110	1.47	1
Timiskaming District	7	2.09	1	16	0.95	6
Toronto Division	112	0.40	32	504	0.37	38
Waterloo Regional Municipality	23	0.43	31	94	0.36	39
Wellington County	10	0.46	30	34	0.32	41
York Regional Municipality	26	0.24	42	100	0.19	49

*Denominators obtained from Statistics Canada population estimates can be found in [Technical Appendix](#).

Discussion

In 2015, there were a large number of individuals in Ontario who were using publically-funded opioids for pain (668,674 users) or OMT (33,693 users). A small proportion (<2%) of publically-funded opioid users received a high-strength opioid formulation in 2015, a number that is expected to decrease in January 2017 with the removal of high-strength opioid formulations from the Ontario Drug Benefit program.¹⁰ Furthermore, there were 3,241 opioid-related emergency department visits in the province in 2014, approximately half of which led to hospital admissions (N=1,620), and 638 opioid-related deaths in 2013, representing a rate of approximately 1 opioid-related death for every 20,000 residents that year.

Comparing the opioid-related measures by Local Health Integrated Networks, we found considerable variation, with high rates clustered in western and northern regions of Ontario. Specifically, high rates of opioid users and opioid-related adverse events were noted in northern LHINs (North East, North West) and western LHINs (Hamilton-Niagara-Haldimand-Brant, Erie St. Clair) in Ontario. The rate of opioid-related deaths in 2013 was particularly high in the North East and North West LHINs, and more than double the rate observed in Ontario. These LHINs also had the highest rates of opioid-related hospital admissions and emergency department visits.

We also found considerable variation when we compared opioid-related measures by counties in Ontario. The highest rates of publically-funded opioid users were observed in counties in the northern regions (Algoma District, Thunder Bay District, Manitoulin District, Timiskaming District) and western regions (Brant County, Niagara Regional Municipality) in Ontario. Generally, these counties with high opioid users also demonstrated higher rates of opioid-related adverse events. The rate of opioid-related deaths was 4-fold higher than the Ontario average in the northern counties of Thunder Bay and Timiskaming District in 2013.

Limitations

The numbers presented in this report are based on the most recent years for which data is available.

This is 2015 for publically-funded prescription drug data, 2014 for hospitalization and emergency department data, and 2013 for death data. Although the years do not align, this was decided to be the most useful way of presenting this information for public health planners who attended the ODPRN webinar in preparation of this report. Our estimates of opioid prescriptions and users are restricted to individuals eligible for the Ontario Drug Benefit program. In Ontario, individuals can also access prescription opioids through private insurance, cash payments, or the federal public drug program (Non-Insured Health Benefits for indigenous populations), and this use is not reflected in the report. Therefore, prescribing rates across counties may be partially influenced by variations in the prevalence of individuals eligible for provincial public drug coverage across Ontario. In contrast, the rates of opioid-related hospital admissions, emergency department visits, and deaths represent the entire Ontario population, and are not restricted to public drug beneficiaries only. The diagnosis codes used to define hospital admissions and emergency department visits for opioid toxicity have not been validated in Ontario databases, and therefore the sensitivity and specificity of these measures are unknown. However, a validation study conducted using similar codes by Kaiser Permanente reported a PPV of 71% suggesting that these codes are generally valid, but there may be some misclassification.⁹

Conclusions

Overall, the rate of opioid users and related adverse events is high across Ontario, and shows considerable variation by region in the province. Particularly, some regions in Ontario display much higher rates of opioid use and opioid-related adverse events. These findings offer an important opportunity for policy makers and public health officials to identify high-risk areas in the province where programs and services such as addiction clinics, safe injection sites and widespread access to naloxone might have the most impact. As policies and programs continue to be implemented throughout the province with the goal of addressing prescription opioid abuse and misuse, these rates should continue to be monitored to evaluate the impact of this work.

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Report Cards for Ontario Counties

Report Card for Each County in Ontario

A report card for each county in Ontario with additional information on opioid users, opioid-related hospital admissions, emergency department visits and deaths can be found at the end of this report or online at <http://odprn.ca/rates-of-opioid-use-and-related-adverse-events-in-ontario-by-county/>.

For a guide to interpret the indicators in the Report Card, please see below:

Rates of Opioid Use and Related Adverse Events by Ontario County

Algoma District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ²	Percent of High Strength Opioid Users in 2015 ³	Rate of Opioid-Related Emergency Department Visits in 2014 ⁴	Rate of Opioid-Related Hospital Admissions in 2014 ⁵	Rate of Opioid-Related Deaths in 2013 ⁶
Ontario	2,054 / N=669,674	103 / N=33,693	1.8 / N=12,790	2.4 / N=3,241	1.2 / N=1,690	0.47 / N=638
County	2,231 / N=8,976	151 / N=608	2.6 / N=250	6.2 / N=72	3.1 / N=36	0.93 / N=11
Rank ⁷	19	13	13	1	3	9

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ²	Percent of High Strength Opioid Users in 2015 ³	Rate of Opioid-Related Emergency Department Visits in 2014 ⁴	Rate of Opioid-Related Hospital Admissions in 2014 ⁵	Rate of Opioid-Related Deaths in 2013 ⁶
Age 0-24	732 / N=249	≤ 5	0.0 / N=0	8.0 / N=24	2.0 / N=6	≤ 5
Age 25-44	2,113 / N=816	948 / N=366	2.7 / N=30	8.9 / N=22	3.7 / N=9	≤ 5
Age 45-64	2,522 / N=1,975	171 / N=134	4.9 / N=101	5.0 / N=18	3.9 / N=14	≤ 5
Age 65+	2,323 / N=5,936	≤ 5	2.0 / N=119	3.1 / N=8	2.7 / N=7	≤ 5

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6 (displayed as ≤ 5), this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed as well in order to avoid residual disclosure issues.

Opioid rates are reported per 10,000 people eligible for Ontario Drug Benefits (ODB): Individuals aged 65+ and those who qualify aged <65

Adverse events are reported per 10,000 Ontario residents

Each cell reports population adjusted rates followed by the number of events (i.e. number of opioid-related deaths)

A rank is provided based on the rate for each measure. A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Summary of the number of opioid users and adverse events for the county

Opioid Maintenance Therapy: opioids used to treat addiction (i.e. Methadone and Suboxone)

Immediate Release Combination Agent: i.e. Percocet, Tylenol 3
Immediate Release Single Agent: all other immediate release opioids

Figure presenting the number of opioid and OMT users for the county between 2011 and 2015

Figure presenting the number of adverse events for the county between 2011 and 2014

When the data has been suppressed (i.e. ≤ 5 events) it will not appear on the figure, therefore these lines may sometimes appear "broken"

Note that opioid-related death data is only available up to 2013, therefore no data will be shown for this outcome in 2014

Algoma District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,231 / N=8,976	151 / N=608	2.8 / N=250	6.2 / N=72	3.1 / N=36	0.93 / N=11
Rank ³	19	13	13	1	3	9

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	732 / N=249	*	0.0 / N=0	8.0 / N=24	2.0 / N=6	*
Age 25-44	2,113 / N=816	948 / N=366	3.7 / N=30	8.9 / N=22	3.7 / N=9	*
Age 45-64	2,522 / N=1,975	171 / N=134	5.1 / N=101	5.0 / N=18	3.9 / N=14	*
Age 65+	2,323 / N=5,936	*	2.0 / N=119	3.1 / N=8	2.7 / N=7	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Brant County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,450 / N=8,915	188 / N=683	3.0 / N=270	4.3 / N=62	1.6 / N=23	0.63 / N=9
Rank ³	5	6	8	9	24	20

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	780 / N=248	223 / N=71	*	3.6 / N=16	*	0.00 / N=0
Age 25-44	2,641 / N=1,027	1,083 / N=421	*	5.3 / N=19	*	*
Age 45-64	2,990 / N=2,049	255 / N=175	5.6 / N=114	4.4 / N=18	2.0 / N=8	*
Age 65+	2,439 / N=5,591	7 / N=16	2.0 / N=112	3.9 / N=9	2.6 / N=6	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Bruce County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,871 / N=3,833	42 / N=86	3.6 / N=137	1.8 / N=12	*	*
Rank ³	45	46	2	43	47	40

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	585 / N=60	*	0.0 / N=0	*	0.0 / N=0	0.00 / N=0
Age 25-44	1,988 / N=273	473 / N=65	3.3 / N=9	*	0.0 / N=0	0.00 / N=0
Age 45-64	1,734 / N=672	44 / N=17	6.7 / N=45	*	*	*
Age 65+	1,968 / N=2,828	*	2.9 / N=83	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Chatham-Kent Division

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,038 / N=6,890	151 / N=510	3.4 / N=232	2.8 / N=30	1.9 / N=20	*
Rank³	32	14	3	26	18	28

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	743 / N=275	221 / N=82	0.0 / N=0	2.0 / N=6	*	*
Age 25-44	1,925 / N=687	956 / N=341	3.5 / N=24	2.6 / N=6	*	*
Age 45-64	2,516 / N=1,699	115 / N=78	5.5 / N=93	3.5 / N=11	2.2 / N=7	*
Age 65+	2,096 / N=4,229	4 / N=9	2.7 / N=115	3.4 / N=7	3.9 / N=8	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Cochrane District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,383 / N=5,058	149 / N=317	2.0 / N=99	3.5 / N=29	1.8 / N=15	*
Rank ³	13	15	37	15	20	22

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	788 / N=126	*	0.0 / N=0	3.8 / N=9	0.0 / N=0	0.00 / N=0
Age 25-44	2,379 / N=520	961 / N=210	1.7 / N=9	*	*	*
Age 45-64	2,697 / N=1,207	190 / N=85	3.8 / N=46	4.0 / N=10	3.6 / N=9	*
Age 65+	2,419 / N=3,205	*	1.4 / N=44	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Dufferin County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,226 / N=2,579	65 / N=75	2.2 / N=57	2.6 / N=16	*	*
Rank ³	20	40	32	29	45	26

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	757 / N=59	*	0.0 / N=0	*	*	*
Age 25-44	1,998 / N=193	404 / N=39	*	*	0.0 / N=0	*
Age 45-64	1,905 / N=407	122 / N=26	*	3.4 / N=6	*	*
Age 65+	2,458 / N=1,920	*	1.6 / N=30	*	0.0 / N=0	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Durham Regional Municipality

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,157 / N=28,720	106 / N=1,410	2.2 / N=617	3.2 / N=207	1.1 / N=74	0.26 / N=17
Rank³	26	31	34	19	34	41

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	692 / N=816	89 / N=105	*	2.2 / N=45	0.3 / N=6	*
Age 25-44	2,075 / N=2,737	697 / N=920	*	3.4 / N=57	1.3 / N=22	0.48 / N=8
Age 45-64	2,202 / N=4,882	161 / N=357	4.9 / N=238	3.7 / N=71	1.5 / N=28	*
Age 65+	2,327 / N=20,285	3 / N=28	1.3 / N=268	3.9 / N=34	2.1 / N=18	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Elgin County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,386 / N=5,779	147 / N=356	3.3 / N=192	3.1 / N=28	2.5 / N=23	0.66 / N=6
Rank³	12	16	4	22	4	19

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	921 / N=193	262 / N=55	0.0 / N=0	2.1 / N=6	*	0.00 / N=0
Age 25-44	2,647 / N=630	962 / N=229	3.7 / N=23	*	*	*
Age 45-64	2,762 / N=1,285	142 / N=66	4.4 / N=57	5.0 / N=13	3.9 / N=10	0.00 / N=0
Age 65+	2,386 / N=3,671	4 / N=6	3.1 / N=112	*	3.9 / N=6	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Essex County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,443 / N=27,984	115 / N=1,315	2.5 / N=708	2.5 / N=99	1.1 / N=45	0.75 / N=30
Rank ³	7	26	19	34	35	14

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	814 / N=1,134	106 / N=148	*	1.7 / N=21	*	*
Age 25-44	2,642 / N=3,339	625 / N=790	*	3.7 / N=36	*	*
Age 45-64	2,795 / N=6,145	159 / N=350	4.5 / N=277	2.8 / N=32	1.4 / N=16	1.31 / N=15
Age 65+	2,585 / N=17,366	4 / N=27	1.9 / N=336	1.5 / N=10	2.0 / N=13	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Frontenac County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,993 / N=9,376	144 / N=676	2.1 / N=197	4.3 / N=67	2.4 / N=37	0.51 / N=8
Rank ³	37	17	35	10	7	25

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	622 / N=279	71 / N=32	0.0 / N=0	1.6 / N=7	*	*
Age 25-44	1,749 / N=997	744 / N=424	3.5 / N=35	5.5 / N=23	*	0.00 / N=0
Age 45-64	2,135 / N=2,133	212 / N=212	5.0 / N=106	4.1 / N=18	2.3 / N=10	1.37 / N=6
Age 65+	2,181 / N=5,967	3 / N=8	0.9 / N=56	6.8 / N=19	6.5 / N=18	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Greater Sudbury Division

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,153 / N=9,905	230 / N=1,058	2.2 / N=217	3.6 / N=59	1.6 / N=27	0.97 / N=16
Rank³	27	4	33	14	23	7

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	499 / N=191	309 / N=118	*	3.3 / N=15	*	*
Age 25-44	1,596 / N=821	1,390 / N=715	*	6.4 / N=27	2.1 / N=9	*
Age 45-64	2,135 / N=1,903	243 / N=217	4.2 / N=80	2.3 / N=11	1.9 / N=9	2.05 / N=10
Age 65+	2,446 / N=6,990	3 / N=8	1.7 / N=118	2.1 / N=6	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Grey County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,052 / N=6,283	70 / N=215	2.3 / N=145	2.4 / N=23	1.5 / N=14	*
Rank³	31	38	29	35	29	24

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	670 / N=134	*	*	*	*	0.00 / N=0
Age 25-44	1,916 / N=459	522 / N=125	*	*	*	*
Age 45-64	2,359 / N=1,317	129 / N=72	4.3 / N=57	4.8 / N=14	*	*
Age 65+	2,089 / N=4,373	*	1.7 / N=73	*	2.8 / N=6	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Haldimand-Norfolk Regional Municipality

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,321 / N=7,245	107 / N=334	3.6 / N=263	3.3 / N=37	1.1 / N=12	*
Rank ³	15	30	1	17	36	36

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	686 / N=127	275 / N=51	*	2.5 / N=8	*	*
Age 25-44	2,217 / N=520	840 / N=197	*	6.5 / N=15	2.6 / N=6	*
Age 45-64	2,723 / N=1,558	138 / N=79	7.1 / N=111	2.0 / N=7	*	*
Age 65+	2,332 / N=5,040	3 / N=7	2.4 / N=122	3.2 / N=7	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Haliburton County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,588 / N=1,810	116 / N=81	2.3 / N=42	3.9 / N=7	*	0.00 / N=0
Rank ³	2	25	27	12	13	46

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	1,065 / N=41	*	0.0 / N=0	0.0 / N=0	0.0 / N=0	0.00 / N=0
Age 25-44	3,319 / N=152	983 / N=45	*	*	0.0 / N=0	0.00 / N=0
Age 45-64	3,462 / N=423	229 / N=28	5.7 / N=24	*	*	0.00 / N=0
Age 65+	2,384 / N=1,194	*	*	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Halton Regional Municipality

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,836 / N=18,661	39 / N=396	1.6 / N=296	1.7 / N=92	0.7 / N=38	0.17 / N=9
Rank ³	46	48	44	44	43	44

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	437 / N=229	76 / N=40	*	1.1 / N=20	*	*
Age 25-44	1,156 / N=861	348 / N=259	*	2.0 / N=30	*	*
Age 45-64	1,431 / N=2,050	63 / N=90	4.4 / N=91	1.9 / N=28	0.9 / N=13	*
Age 65+	2,064 / N=15,521	1 / N=7	1.1 / N=163	1.8 / N=14	1.7 / N=13	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Hamilton Division

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,417 / N=35,413	123 / N=1,797	2.1 / N=734	3.9 / N=213	2.3 / N=124	0.79 / N=43
Rank³	9	23	36	13	11	12

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	711 / N=1,068	87 / N=131	0.8 / N=9	2.9 / N=47	0.9 / N=14	*
Age 25-44	2,466 / N=4,058	669 / N=1,101	3.4 / N=138	6.0 / N=86	2.0 / N=29	1.55 / N=22
Age 45-64	2,985 / N=8,522	191 / N=546	4.1 / N=351	4.2 / N=64	3.4 / N=53	*
Age 65+	2,469 / N=21,765	2 / N=19	1.1 / N=236	1.8 / N=16	3.1 / N=28	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Hastings County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,343 / N=10,513	144 / N=644	1.9 / N=203	3.3 / N=45	1.6 / N=22	0.72 / N=10
Rank ³	14	18	40	18	25	16

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	807 / N=351	76 / N=33	0.0 / N=0	*	0.0 / N=0	0.00 / N=0
Age 25-44	2,597 / N=1,243	994 / N=476	2.3 / N=28	4.6 / N=14	*	*
Age 45-64	2,853 / N=2,568	136 / N=122	3.9 / N=99	5.0 / N=21	2.6 / N=11	*
Age 65+	2,330 / N=6,351	5 / N=13	1.2 / N=76	*	*	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Huron County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,881 / N=3,363	46 / N=83	2.8 / N=93	3.1 / N=18	1.9 / N=11	0.00 / N=0
Rank³	44	43	14	24	19	46

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	721 / N=80	*	0.0 / N=0	*	*	0.00 / N=0
Age 25-44	1,924 / N=252	412 / N=54	3.2 / N=8	*	*	0.00 / N=0
Age 45-64	1,979 / N=598	56 / N=17	5.7 / N=34	5.2 / N=9	*	0.00 / N=0
Age 65+	1,931 / N=2,433	*	2.1 / N=51	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Kawartha Lakes Division

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,456 / N=5,977	127 / N=309	2.8 / N=167	4.1 / N=31	1.1 / N=8	1.19 / N=9
Rank ³	4	22	12	11	37	4

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	959 / N=159	*	0.0 / N=0	*	0.0 / N=0	*
Age 25-44	2,759 / N=488	1,215 / N=215	4.7 / N=23	5.6 / N=8	*	*
Age 45-64	3,169 / N=1,167	179 / N=66	5.6 / N=65	5.3 / N=13	*	*
Age 65+	2,388 / N=4,163	*	1.9 / N=79	*	*	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Kenora District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,151 / N=2,508	160 / N=187	2.4 / N=60	3.1 / N=22	1.1 / N=8	*
Rank³	28	11	23	20	33	17

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Maintenance Therapy Users in 2015

187

Opioid Users in 2015

2,508

Opioid-Related Emergency Department Visits in 2014

22

Opioid-Related Deaths in 2013

≤ 5

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	405 / N=23	475 / N=27	0.0 / N=0	*	*	*
Age 25-44	1,752 / N=150	1,612 / N=138	4.0 / N=6	7.1 / N=12	*	*
Age 45-64	2,520 / N=431	*	2.8 / N=12	*	0.0 / N=0	*
Age 65+	2,213 / N=1,904	*	2.2 / N=42	0.0 / N=0	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Lambton County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,199 / N=8,428	188 / N=719	3.3 / N=279	3.1 / N=40	2.2 / N=29	0.69 / N=9
Rank ³	22	7	5	23	14	18

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	951 / N=283	349 / N=104	*	3.9 / N=14	*	0.00 / N=0
Age 25-44	2,478 / N=846	1,309 / N=447	*	4.6 / N=13	*	*
Age 45-64	2,691 / N=1,669	252 / N=156	6.7 / N=111	*	3.3 / N=13	*
Age 65+	2,157 / N=5,630	5 / N=12	2.5 / N=139	*	2.7 / N=7	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Lanark County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,990 / N=4,206	84 / N=178	2.6 / N=108	2.7 / N=18	1.5 / N=10	0.00 / N=0
Rank ³	38	35	18	28	28	46

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	619 / N=113	*	0.0 / N=0	*	*	0.00 / N=0
Age 25-44	2,149 / N=379	748 / N=132	3.7 / N=14	4.3 / N=6	*	0.00 / N=0
Age 45-64	2,372 / N=890	85 / N=32	4.2 / N=37	*	*	0.00 / N=0
Age 65+	2,020 / N=2,824	*	2.0 / N=57	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Leeds and Grenville United Counties

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,975 / N=6,311	60 / N=191	2.3 / N=146	2.3 / N=23	1.8 / N=18	*
Rank ³	39	42	28	38	22	33

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	598 / N=153	*	0.0 / N=0	*	0.0 / N=0	*
Age 25-44	2,063 / N=513	474 / N=118	4.3 / N=22	4.0 / N=8	*	*
Age 45-64	2,629 / N=1,442	106 / N=58	4.9 / N=71	3.3 / N=11	*	0.00 / N=0
Age 65+	1,935 / N=4,203	*	1.3 / N=53	*	3.6 / N=8	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Lennox and Addington County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,207 / N=3,021	107 / N=147	1.7 / N=50	2.3 / N=10	2.5 / N=11	*
Rank ³	21	29	43	37	5	29

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	807 / N=87	121 / N=13	0.0 / N=0	*	0.0 / N=0	0.00 / N=0
Age 25-44	2,421 / N=322	759 / N=101	3.4 / N=11	*	*	*
Age 45-64	2,366 / N=662	118 / N=33	2.9 / N=19	*	*	*
Age 65+	2,264 / N=1,950	0 / N=0	1.0 / N=20	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Manitoulin District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,428 / N=1,097	321 / N=145	2.9 / N=32	4.5 / N=6	*	*
Rank³	8	2	10	8	12	15

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	617 / N=15	988 / N=24	0.0 / N=0	0.0 / N=0	*	0.00 / N=0
Age 25-44	2,049 / N=75	3,005 / N=110	8.0 / N=6	*	*	*
Age 45-64	2,768 / N=214	142 / N=11	6.5 / N=14	*	0.0 / N=0	0.00 / N=0
Age 65+	2,489 / N=793	0 / N=0	1.5 / N=12	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Middlesex County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,966 / N=24,094	178 / N=2,182	2.9 / N=692	2.2 / N=101	1.6 / N=74	0.78 / N=36
Rank ³	41	9	11	41	26	13

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	549 / N=669	156 / N=190	0.0 / N=0	1.3 / N=18	0.6 / N=8	*
Age 25-44	1,765 / N=2,658	947 / N=1,426	4.0 / N=106	3.2 / N=40	1.4 / N=17	1.29 / N=16
Age 45-64	2,215 / N=5,413	221 / N=539	5.9 / N=319	2.6 / N=33	2.4 / N=30	1.42 / N=18
Age 65+	2,130 / N=15,354	4 / N=27	1.7 / N=267	1.4 / N=10	2.6 / N=19	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Muskoka District Municipality

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,140 / N=4,082	114 / N=218	1.9 / N=79	2.6 / N=16	1.3 / N=8	1.13 / N=7
Rank³	29	27	39	30	31	5

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	833 / N=93	*	0.0 / N=0	*	0.0 / N=0	0.00 / N=0
Age 25-44	2,197 / N=324	1,017 / N=150	3.4 / N=11	*	0.0 / N=0	*
Age 45-64	2,447 / N=749	144 / N=44	4.5 / N=34	4.5 / N=9	*	*
Age 65+	2,144 / N=2,916	*	1.2 / N=34	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Niagara Regional Municipality

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,571 / N=34,162	175 / N=2,324	2.4 / N=812	5.4 / N=240	2.0 / N=89	0.83 / N=37
Rank³	3	10	25	2	15	11

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	802 / N=895	193 / N=215	*	2.9 / N=36	0.8 / N=10	*
Age 25-44	2,721 / N=3,417	1,167 / N=1,465	*	9.3 / N=95	2.7 / N=28	1.75 / N=18
Age 45-64	3,297 / N=6,918	295 / N=620	5.1 / N=350	5.4 / N=71	2.4 / N=32	1.14 / N=15
Age 65+	2,560 / N=22,932	3 / N=24	1.6 / N=358	4.2 / N=38	2.1 / N=19	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Nipissing District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,400 / N=6,699	256 / N=715	2.5 / N=168	4.6 / N=40	3.1 / N=27	1.26 / N=11
Rank ³	11	3	20	6	2	3

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	808 / N=214	200 / N=53	0.0 / N=0	*	*	*
Age 25-44	2,430 / N=786	1,487 / N=481	1.5 / N=12	8.1 / N=17	3.8 / N=8	*
Age 45-64	2,853 / N=1,710	284 / N=170	4.0 / N=68	5.7 / N=15	4.9 / N=13	*
Age 65+	2,437 / N=3,989	7 / N=11	2.2 / N=88	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Northumberland County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,179 / N=6,174	98 / N=279	2.3 / N=144	3.4 / N=29	0.9 / N=8	*
Rank³	24	33	26	16	39	37

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	906 / N=150	97 / N=16	*	*	*	0.00 / N=0
Age 25-44	2,493 / N=456	990 / N=181	*	6.8 / N=11	*	*
Age 45-64	2,290 / N=1,057	158 / N=73	4.5 / N=48	*	*	*
Age 65+	2,201 / N=4,511	4 / N=9	1.8 / N=80	3.8 / N=8	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Ottawa Division

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,680 / N=37,713	61 / N=1,379	1.6 / N=598	2.1 / N=194	1.0 / N=92	0.31 / N=29
Rank³	48	41	45	42	38	39

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	477 / N=1,182	44 / N=110	*	1.4 / N=39	0.5 / N=13	*
Age 25-44	1,404 / N=3,535	316 / N=795	*	2.7 / N=72	1.0 / N=27	0.45 / N=12
Age 45-64	1,741 / N=7,423	107 / N=458	3.8 / N=281	2.4 / N=62	1.2 / N=31	0.47 / N=12
Age 65+	1,911 / N=25,573	1 / N=16	1.0 / N=245	1.6 / N=21	1.6 / N=21	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Oxford County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,080 / N=6,002	137 / N=394	3.0 / N=182	2.5 / N=28	0.9 / N=10	0.54 / N=6
Rank³	30	19	7	32	40	23

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	755 / N=152	*	0.0 / N=0	3.0 / N=10	*	0.00 / N=0
Age 25-44	2,096 / N=551	1,069 / N=281	5.6 / N=31	*	0.0 / N=0	2.25 / N=6
Age 45-64	2,163 / N=1,112	105 / N=54	5.7 / N=63	2.9 / N=9	*	0.00 / N=0
Age 65+	2,165 / N=4,187	*	2.1 / N=88	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Parry Sound District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,444 / N=3,669	121 / N=181	2.7 / N=100	4.7 / N=20	3.3 / N=14	*
Rank³	6	24	15	5	1	10

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	897 / N=77	*	0.0 / N=0	*	*	0.00 / N=0
Age 25-44	2,684 / N=292	1,020 / N=111	4.1 / N=12	11.6 / N=9	*	*
Age 45-64	3,084 / N=874	173 / N=49	5.0 / N=44	*	*	*
Age 65+	2,334 / N=2,426	*	1.8 / N=44	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Peel Regional Municipality

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,899 / N=47,073	44 / N=1,079	1.0 / N=483	1.3 / N=180	0.7 / N=101	0.18 / N=25
Rank³	43	44	48	47	42	43

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	473 / N=1,107	32 / N=75	*	0.8 / N=38	0.4 / N=17	*
Age 25-44	1,595 / N=3,636	284 / N=648	*	1.7 / N=67	0.7 / N=28	0.35 / N=14
Age 45-64	2,047 / N=8,142	79 / N=315	2.2 / N=175	1.4 / N=52	0.9 / N=36	*
Age 65+	2,082 / N=34,188	3 / N=41	0.7 / N=234	1.4 / N=23	1.2 / N=20	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Perth County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,758 / N=3,453	35 / N=68	2.3 / N=78	2.2 / N=17	0.8 / N=6	*
Rank³	47	49	31	40	41	35

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	524 / N=69	53 / N=7	0.0 / N=0	*	0.0 / N=0	0.00 / N=0
Age 25-44	1,575 / N=251	326 / N=52	2.8 / N=7	*	*	*
Age 45-64	1,633 / N=590	25 / N=9	5.9 / N=35	3.6 / N=8	*	*
Age 65+	1,913 / N=2,543	0 / N=0	1.4 / N=36	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Peterborough County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,402 / N=10,956	184 / N=841	2.7 / N=296	4.5 / N=63	2.3 / N=32	1.08 / N=15
Rank ³	10	8	16	7	9	6

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	857 / N=335	200 / N=78	0.0 / N=0	2.7 / N=10	*	*
Age 25-44	2,495 / N=1,133	1,128 / N=512	2.7 / N=30	6.7 / N=21	*	*
Age 45-64	2,765 / N=2,098	296 / N=225	5.6 / N=118	5.6 / N=23	3.2 / N=13	2.17 / N=9
Age 65+	2,458 / N=7,390	9 / N=26	2.0 / N=148	3.0 / N=9	4.3 / N=13	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Prescott and Russell United Counties

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,973 / N=4,375	41 / N=91	2.6 / N=115	2.4 / N=21	1.3 / N=12	*
Rank ³	40	47	17	36	30	38

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	802 / N=128	*	0.0 / N=0	*	0.0 / N=0	0.00 / N=0
Age 25-44	2,048 / N=403	229 / N=45	4.0 / N=16	*	*	0.00 / N=0
Age 45-64	2,418 / N=1,097	86 / N=39	5.9 / N=65	2.8 / N=8	2.4 / N=7	*
Age 65+	1,913 / N=2,747	*	1.2 / N=34	4.3 / N=6	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Prince Edward Division

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,257 / N=2,226	68 / N=67	1.6 / N=35	*	*	*
Rank ³	17	39	46	45	16	34

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	664 / N=37	*	0.0 / N=0	0.0 / N=0	0.0 / N=0	0.00 / N=0
Age 25-44	2,642 / N=168	881 / N=56	3.6 / N=6	*	0.0 / N=0	*
Age 45-64	2,546 / N=389	*	3.9 / N=15	*	*	0.00 / N=0
Age 65+	2,259 / N=1,632	0 / N=0	0.9 / N=14	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rainy River District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,190 / N=1,086	198 / N=98	3.1 / N=34	*	*	0.00 / N=0
Rank³	23	5	6	33	49	46

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	578 / N=16	*	0.0 / N=0	*	0.0 / N=0	0.00 / N=0
Age 25-44	2,121 / N=77	1,901 / N=69	7.8 / N=6	*	0.0 / N=0	0.00 / N=0
Age 45-64	2,795 / N=192	262 / N=18	6.3 / N=12	*	*	0.00 / N=0
Age 65+	2,184 / N=801	*	2.0 / N=16	0.0 / N=0	0.0 / N=0	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Renfrew County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,247 / N=6,871	105 / N=322	2.4 / N=165	2.7 / N=28	0.7 / N=7	*
Rank ³	18	32	22	27	44	27

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	768 / N=161	*	0.0 / N=0	*	0.0 / N=0	0.00 / N=0
Age 25-44	2,146 / N=558	873 / N=227	2.7 / N=15	3.2 / N=8	0.0 / N=0	*
Age 45-64	2,535 / N=1,574	114 / N=71	5.0 / N=78	4.2 / N=13	*	*
Age 65+	2,293 / N=4,578	*	1.6 / N=72	*	*	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Simcoe County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,268 / N=26,722	130 / N=1,530	2.0 / N=520	3.1 / N=150	1.8 / N=87	0.61 / N=29
Rank ³	16	21	38	21	21	21

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	813 / N=723	101 / N=90	1.1 / N=8	1.9 / N=26	0.7 / N=10	*
Age 25-44	2,369 / N=2,475	981 / N=1,025	2.5 / N=62	4.3 / N=50	1.7 / N=20	0.95 / N=11
Age 45-64	2,570 / N=5,137	202 / N=403	4.4 / N=225	3.7 / N=52	3.0 / N=43	0.86 / N=12
Age 65+	2,310 / N=18,387	2 / N=12	1.2 / N=225	2.7 / N=22	1.7 / N=14	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Stormont, Dundas and Glengarry United Counties

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,024 / N=7,544	108 / N=402	3.0 / N=223	1.2 / N=14	2.3 / N=26	*
Rank ³	33	28	9	48	10	45

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	686 / N=253	252 / N=93	*	*	0.0 / N=0	0.00 / N=0
Age 25-44	2,163 / N=760	612 / N=215	*	*	*	0.00 / N=0
Age 45-64	2,560 / N=1,828	120 / N=86	5.6 / N=102	*	*	*
Age 65+	2,011 / N=4,703	3 / N=8	1.9 / N=91	2.6 / N=6	5.2 / N=12	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Sudbury District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,164 / N=1,458	157 / N=106	1.7 / N=25	5.3 / N=11	*	*
Rank ³	25	12	42	3	17	8

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	456 / N=20	342 / N=15	0.0 / N=0	*	*	0.00 / N=0
Age 25-44	2,000 / N=111	1,207 / N=67	*	*	0.0 / N=0	*
Age 45-64	2,212 / N=351	151 / N=24	*	*	*	0.00 / N=0
Age 65+	2,309 / N=976	0 / N=0	1.5 / N=15	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

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Thunder Bay District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,021 / N=8,526	413 / N=1,743	2.4 / N=205	4.9 / N=73	2.4 / N=35	1.87 / N=28
Rank³	34	1	21	4	8	2

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	607 / N=197	774 / N=251	0.0 / N=0	5.4 / N=22	2.7 / N=11	*
Age 25-44	1,781 / N=822	2,403 / N=1,109	3.5 / N=29	6.9 / N=25	*	3.33 / N=12
Age 45-64	2,142 / N=1,744	447 / N=364	4.8 / N=83	4.4 / N=20	2.4 / N=11	2.59 / N=12
Age 65+	2,161 / N=5,763	7 / N=19	1.6 / N=93	2.3 / N=6	*	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Timiskaming District

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,763 / N=2,687	131 / N=127	2.4 / N=64	3.0 / N=10	2.4 / N=8	2.09 / N=7
Rank ³	1	20	24	25	6	1

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	832 / N=58	158 / N=11	0.0 / N=0	*	*	0.00 / N=0
Age 25-44	2,868 / N=228	1,082 / N=86	2.6 / N=6	*	*	*
Age 45-64	3,967 / N=691	172 / N=30	3.9 / N=27	*	*	*
Age 65+	2,581 / N=1,710	0 / N=0	1.8 / N=31	*	*	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Rates of Opioid Use and Related Adverse Events by Ontario County

Toronto Division

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,929 / N=122,299	74 / N=4,700	0.9 / N=1,097	1.5 / N=420	0.7 / N=184	0.40 / N=112
Rank³	42	37	49	46	46	32

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	529 / N=3,188	29 / N=177	0.4 / N=12	0.8 / N=63	0.3 / N=25	*
Age 25-44	1,676 / N=11,477	333 / N=2,278	1.6 / N=185	1.8 / N=157	0.4 / N=36	0.50 / N=44
Age 45-64	2,397 / N=26,989	185 / N=2,086	1.7 / N=449	2.0 / N=147	1.0 / N=74	0.79 / N=58
Age 65+	2,017 / N=80,645	4 / N=159	0.6 / N=451	1.3 / N=53	1.2 / N=49	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

NOTE: In accordance with the ICES privacy policy, in cases where the number of total users is less than 6, this number has been suppressed to ensure confidentiality. In cases where there is only one record being suppressed, another record has been suppressed to avoid residual disclosure. Suppressed values are displayed as *

Waterloo Regional Municipality

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	2,013 / N=23,695	87 / N=1,021	1.8 / N=434	2.2 / N=120	1.5 / N=82	0.43 / N=23
Rank ³	35	34	41	39	27	31

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	590 / N=651	84 / N=93	*	1.4 / N=23	0.6 / N=10	*
Age 25-44	1,758 / N=2,437	468 / N=648	*	2.9 / N=45	2.1 / N=32	0.72 / N=11
Age 45-64	1,984 / N=4,579	114 / N=264	4.0 / N=181	2.4 / N=35	2.0 / N=29	*
Age 65+	2,261 / N=16,028	2 / N=16	1.2 / N=190	2.3 / N=17	1.5 / N=11	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

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Wellington County

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,997 / N=9,788	78 / N=384	2.3 / N=224	2.5 / N=56	1.2 / N=26	0.46 / N=10
Rank ³	36	36	30	31	32	30

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	633 / N=223	71 / N=25	*	1.8 / N=12	*	*
Age 25-44	1,697 / N=787	462 / N=214	*	3.1 / N=18	*	*
Age 45-64	1,882 / N=1,570	167 / N=139	5.9 / N=93	2.9 / N=18	1.3 / N=8	0.99 / N=6
Age 65+	2,189 / N=7,208	2 / N=6	1.5 / N=109	2.4 / N=8	2.4 / N=8	0.00 / N=0

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

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York Regional Municipality

Comparisons Between County-Level Rates and Provincial Rates

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Ontario	2,054 / N=669,674	103 / N=33,693	1.9 / N=12,790	2.4 / N=3,241	1.2 / N=1,620	0.47 / N=638
County	1,677 / N=34,733	42 / N=870	1.2 / N=417	1.1 / N=125	0.5 / N=60	0.24 / N=26
Rank ³	49	45	47	49	48	42

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

³A rank of 1 represents the highest rate and a rank of 49 represents the lowest rate in Ontario

Rate of Opioid Users by Drug in 2015

Highlights

Opioid Use and Outcomes by Age Group

Measures:	Rate of Opioid Users in 2015 ¹	Rate of Opioid Maintenance Therapy Users in 2015 ¹	Percent of High Strength Opioid Users in 2015	Rate of Opioid-Related Emergency Department Visits in 2014 ²	Rate of Opioid-Related Hospital Admissions in 2014 ²	Rate of Opioid-Related Deaths in 2013 ²
Age 0-24	434 / N=579	37 / N=50	1.2 / N=7	0.8 / N=27	0.3 / N=11	*
Age 25-44	1,147 / N=1,784	306 / N=476	3.8 / N=67	1.9 / N=56	0.5 / N=16	0.41 / N=12
Age 45-64	1,489 / N=4,776	99 / N=316	3.5 / N=166	0.8 / N=26	0.6 / N=18	0.35 / N=11
Age 65+	1,868 / N=27,594	2 / N=28	0.6 / N=177	1.1 / N=16	1.0 / N=15	*

¹Rate per 10,000 ODB Eligible

²Rate per 10,000 residents

Number of Opioid Users and Adverse Events Over Time

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