

2020 Report on Work Fatality and Injury Rates in Canada

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Executive Summary

Canadian workers compensation boards reported that 1,027 workers died due to work-related causes in 2018. This report provides a jurisdictional comparison of work-related fatality rates in Canada between 2013 and 2018 using data from the Association of Workers' Compensation Boards of Canada (AWCBC).

A comparison of fatality rates is important for identifying trends over time both within and between provinces and territories.

Job-related fatalities are classified as *injury* (e.g., death due to job-related electrocution) or *occupational disease* related (e.g., death from mesothelioma due to work-related exposure to asbestos).

Important Data Limitations

Several factors affect the accuracy, reliability, and jurisdictional comparability of fatality and injury rates within Canada. Readers should consider several factors (e.g., industry mix, jurisdictional size, injury under-reporting, differences in legislation among jurisdictions) when interpreting and comparing fatality and injury rates.

Comparable 2019 provincial fatality statistics will not be available through the AWCBC until early 2021.

Injury-Related Fatality Rate

Northwest Territories and Nunavut had the highest 5-year average injury fatality rate (8.1 deaths per 100,000). Among provinces with over 100,000 workers, Saskatchewan's 5-year average injury fatality rate ranks highest (5.1 per 100,000) followed by Alberta (3.8 per 100,000).

In 2018, most jurisdictions experienced an increase in their injury fatality rate compared to their 2015-2017 average rate. Among jurisdictions with over 100,000 full-time equivalent employees, Manitoba (241%), Nova Scotia (137%), and Saskatchewan (65%) showed the greatest percentage increase in their 2018 injury fatality rate.

Occupational Disease-Related Fatality Rate

Among provinces with over 100,000 workers, Newfoundland and Labrador had the highest occupational disease fatality rate (8.7 deaths per 100,000), followed by Nova Scotia (5.1 deaths per 100,000) and Alberta (3.9 deaths per 100,000).

Occupational disease fatality rates generally increased in 2018. A comparison of the 2015-2017 average rates to the 2018 rates showed that among provinces with over 100,000 workers, Newfoundland and Labrador (112%), New Brunswick (85%), and Saskatchewan (54%) showed the greatest percentage increases in occupational disease fatality rates.

Lost-Time Injury Rate

Among provinces with over 100,000 workers, Manitoba had the highest 5-year lost-time injury rate (2.89 per 100), followed by British Columbia (2.21 per 100), and Saskatchewan (2.10 per 100).

In 2018, most jurisdictions reported higher injury rates. A comparison of the 2015-2017 average rates to the 2018 rates showed that among provinces with 100,000 employees, Ontario and New Brunswick showed the greatest increase (15%) in lost-time injury rate, followed by Alberta (13%).

Recommendations to Address Data Limitations

The following recommendations would strengthen the accuracy and comparability of the data for future analyses, as well as foster improved prevention of work-related injuries, diseases, and fatalities in Canada.

1. *Harmonize data collection and reporting within and across jurisdictions*
2. *Explore creative solutions to address the problem of under-reporting*
3. *Enhance primary prevention activities*

Table of Contents

Acknowledgements 2

Executive Summary 3

Dedication 6

1.0 Introduction 7

2.0 Methodology..... 8

 2.1 Important Data Limitations 9

3.0 Work-Related Fatality and Injury Rates by Jurisdiction, 2014-2018 14

 3.1 Provincial and Territorial Work-Related Injury Fatality Rates 15

 3.2 Provincial and Territorial Work-Related Occupational Disease Fatality Rates 18

 3.3 Provincial and Territorial Work-Related Lost-Time Injury Rates..... 21

4.0 Provincial Work-Related Fatality and Injury Rate Graphs, 2010-2018 24

 4.1 Provincial Work-Related Fatality Rate Graphs..... 25

 4.2 Provincial Injury Rate Graphs 30

5.0 Recommendations 35

6.0 Selected Research and Media Reporting on Workplace Fatalities in Canada 37

Appendix: AWCBC Explanatory Notes (2010-2018) 41

Dedication

To those who died because of their work



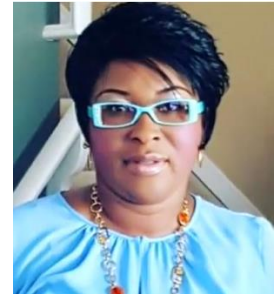
Mark Biglin, age 38, father of three, died on the job August 2019. Photo from Global News.



Kirk McLean, age 56, father of two boys, died on the job December 2019. Photo from Global News.



Kaydon Booth, age 19, died on the job November 2019. Photo from Kootenai Valley Times.



Deborah Onwu, age 47, died on the job October 2019. Photo from CBC News Calgary.



Enrico Miranda, age 57, father of two died on the job September 2019. Photo from the Hamilton Spectator.



Jonathan Murphy, age 24, died on the job April 2019. Photo from CBC News Newfoundland & Labrador.



Troy Lewis Bourque, age 50, a married father, died on the job October 2019. Photo from CBC News New Brunswick.



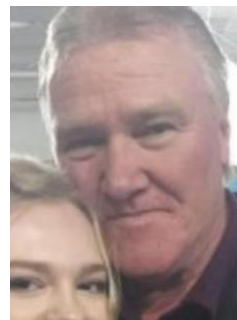
Louis Gagnon, age 56, father of three, died on the job January 2020. Photo from CBC News New Brunswick.



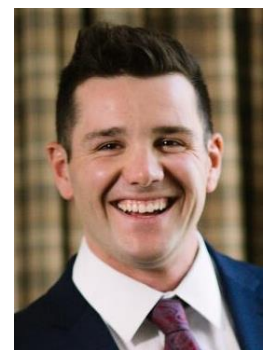
Cole Timlin, age 25, died on the job March 2019. Photo from Global News.



Isaiah Nottaway, age 32, died on the job August 2019. Photo from CTV News.



Gerard Drover, age 55, father and grandfather died on the job August 2019. Photo from CBC News Newfoundland & Labrador.



Skyler Blackie, age 28, died on the job March 2019. Photo from CBC News Nova Scotia.

1.0 Introduction

Canadian workers compensation boards reported that 1,027 workers died due to work-related causes in 2018.

This report uses publicly available data from the Association of Workers' Compensation Boards of Canada (AWCBC) to estimate the injury and occupational disease-related fatality rates across Canadian provinces and territories over the past five years (i.e., between 2014 and 2018). For comparison purposes, provincial and territorial work-related lost-time injury rates from 2014 to 2018 are also provided.

A comparison of fatality rates is important for identifying trends over time within and between jurisdictions. Such comparisons not only shed light on where the greatest need is for targeted injury prevention but also help to identify potential changes to regulatory and enforcement regimes. Furthermore, differentiating between the rates of *occupational injury* and *occupational disease* fatalities provides insight into the types of policy changes that may be required.

This report is organized into five sections.

- Section 1 introduces the report.
- [Section 2](#) describes the methodology and highlights important limitations associated with AWCBC data.
- [Section 3](#) compares fatality and injury rates across provinces and territories between 2014 and 2018.
- [Section 4](#) graphically illustrates provincial fatality and injury rates between 2010 and 2018.
- [Section 5](#) presents recommendations to address some of the data limitations identified in the report, to strengthen the accuracy and comparability of the data for future analyses, and to foster improved prevention of work-related injuries, diseases, and fatalities in Canada.

2.0 Methodology

The AWCBC (2020) defines a workplace fatality as “a death resulting from a work-related incident (including disease) that has been accepted for compensation by a Board/Commission.” Such fatalities are classified as being related to *injury* (for example, a death due to job-related electrocution) or *occupational disease* (for example, death from mesothelioma due to work-related exposure to asbestos).¹

Each year provincial and territorial workers’ compensation boards and commissions submit injury, fatality, and other data to the AWCBC (Figure 1). Not surprisingly, data available through the AWCBC’s website show that provinces with a relatively large labour force also report a higher number of work-related fatalities than smaller jurisdictions. While the AWCBC and research studies (e.g., Morassaei et al., 2013) focus on workplace injury *rates* (and thus take into account jurisdictional differences in labour force size), the AWCBC and other publications do not report provincial and territorial work-related fatality rates.

Figure 1: The AWCBC and Provincial and Territorial WCBs



¹ In 2010, the AWCBC began differentiating between the number of injury and occupational disease-related fatalities in its publicly posted data.

In this report, work-related injury and occupational disease fatality rates were calculated by dividing the total number of fatalities in each jurisdiction by the estimated number of full-time equivalent (FTE) workers in the corresponding jurisdiction, and then multiplying the result by 100,000 to arrive at a fatality rate per 100,000 workers.²

Related data for the period 2010 to 2018 were downloaded from the AWCBC website on April 12, 2020 and are available upon request. WCBs sometimes restate past injury and fatality statistics to the AWCBC. This report contains the most currently available statistics between 2010 and 2018.

There are three important caveats about the fatality and injury rates summarized in this report.

1. Compensation boards report aggregate injury and fatality data by calendar year. However, there is a significant time-lag between the end of administrative data collection, reporting of injury and fatality statistics in provincial and territorial WCB annual reports, and the posting of the aggregate data to the AWCBC's website. At the time this report was written, no 2019 injury and fatality data were available on the AWCBC website. Comparable 2019 provincial and territorial fatality statistics will be available in early 2021.
2. It is important to note that AWCBC data are based on when a claim was accepted by a WCB, not when the incident occurred.
3. Work-related injury and fatality claims data, like other health-related data, have limitations related to accuracy and comparability that need be taken into account.

2.1 Important Data Limitations

Researchers and journalists have identified several factors that affect the accuracy, reliability, and jurisdictional comparability of occupational fatality and injury rates in Canada (e.g., Bittle et al., 2018; Barnetson, Foster & Matsunaga-Turnbull, 2018; Sharpe & Hardt, 2006; Thompson, 2007). Grant's (2017a-c) reporting provides an overview of many of these factors and related solutions.

Taking into account under-reporting and other factors (e.g., work-related commuting related fatalities, stress-related suicides), Bittle and colleagues (2018) estimated that the annual total number of work-related fatalities in Canada is likely *ten times higher* than reported by the AWCBC.

² The number of FTEs reflects the estimated total number of employees covered by a compensation board (based on employer payroll estimates) as opposed to the total number of people employed in a jurisdiction. Given that the AWCBC uses the total estimated number of FTEs for calculating lost-time injury rates, this same approach was used for calculating fatality rates in this report. An alternative approach, used by Sharpe and Hardt (2006), uses Statistics Canada Labour Force Survey estimates of the total number of employed workers (instead of the estimated total number of FTE).

Readers should consider the factors discussed below when interpreting provincial fatality and injury rates.³ Later in this report, we provide suggestions for addressing limitations associated with injury and fatality data (see [section 5.0](#)).

1. *Injury and fatality under-reporting.* For a variety of reasons (e.g., injury severity, claim suppression, use of alternative insurance policies to cover an injured worker's expenses, lack of awareness amongst workers and primary care physicians that workplace exposures can cause occupational diseases), workers and employers may not report all eligible work-related injuries to a compensation board. Estimates of work-related injury under-reporting in Canada vary. For example, Shannon and Lowe's (2002) study found that 40% of eligible claims were not reported to a compensation board or commission. A more recent study of injury underreporting in Manitoba concluded: "There appears to be significant under-claiming of WCB benefits in Manitoba. Survey evidence suggests that around 30.1% of workers who experienced a work-related injury that involved more than 5 days of lost working time may not have claimed WCB Lost Earnings Benefits" (Prism Economics and Analysis, 2013, p. 2).

There is also evidence that under-reporting extends to compensation board work-related fatality data. Koehoorn et al.'s (2015) comparison of British Columbia workers' compensation data and external data sources (coroner, hospital, and vital statistics data) estimated that 7% to 24% of work-related fatalities (*depending* upon the data source), between 1991 and 2009, were not captured by the workers compensation system. The authors note that they could not determine what proportion of unreported cases involved deceased workers not covered by compensation board insurance (see point two below).

CAREX⁴ Canada has estimated the prevalence of occupational exposure to a wide range of known and suspected carcinogens in Canada. For instance, it estimates that 152,000 Canadian workers are currently exposed to asbestos (CAREX, 2018). However, fatalities due to occupational disease, such as mesothelioma, are not always diagnosed and recorded as such (i.e., as being caused by occupational exposure) by attending doctors, and thus go unreported in WCB and AWCBC data. Indeed, investigative reporting by Mojtehdzadeh (2016, 2017) revealed that Ontario's Workplace Safety Insurance Board (WSIB) has reviewed (and overturned) a significant number of previously denied occupational disease claims linked to occupational exposure to several carcinogens at the former General Electric factory in Peterborough, Ontario.

Finally, at the time this report was written, labour unions are expressing concern that some deaths from workplace exposure to COVID-19 may not be accepted as work-related fatalities (Stephenson, 2020).

³ With respect to data limitations, the AWCBC provides this general cautionary note: "Differences in population, industry mixes, coverage and legislation/policy may affect comparability between jurisdictions. These measures use standard definitions that may differ from WCB reports. Please contact the WCB directly with any inquiries about an individual jurisdiction. Additional measures and explanatory footnotes for the above measures can be found in the Detailed Key Statistical Measures Report."

⁴ CAREX is the acronym for CARcinogen EXposure

2. *Jurisdictional differences in the proportion of workers insured.* In Canada, responsibility for workplace health and safety is laid out in labour legislation, which primarily falls under provincial authority. Generally, this legislation includes the *Occupational Health and Safety Act*⁵ and *Workers' Compensation Act*⁶, along with their related regulations (CANOSH, 2020).

Each province, territory and the federal government has its own labour legislation. At the federal level, the legislation applies to workers in the federal government, federal corporations, and federally-regulated industries (e.g., inter-provincial and international transportation, shipping, telephone and cable systems). Provincial or territorial legislation applies to approximately 90% of workplaces; however, there are some notable exceptions, which create gaps in coverage that have implications for the comparability of data across jurisdictions. For example, most agricultural workers are not covered by compensation boards and agricultural-related fatalities are reported separately (e.g., Shah et al., 2011). More generally, as shown in Table 1, WCB coverage rates in 2018 vary by jurisdiction from a high of 99% in PEI to a low of 74% in Nova Scotia and Saskatchewan (AWCBC, 2020). Injuries and deaths that occur in workplaces not covered by compensation board insurance are not counted in AWCB data. Moreover, lower coverage rates can skew fatality and injury rates when the proportion of uncovered workers is employed in relatively more (or relatively less) dangerous industries.

Table 1: Scope of Coverage, by Jurisdiction

	% of workforce covered (2018)
Alberta	82%
British Columbia	98%
Manitoba	79%
New Brunswick	91%
Newfoundland and Labrador	97%
Nova Scotia	74%
NWT/Nunavut	97%
Ontario	77%
Prince Edward Island	98%
Quebec	93%
Saskatchewan	74%
Yukon	99%

Source: AWCB, 2020

⁵ OHS legislation generally sets out the rights and duties of all workplace parties, as well as how workers are to be protected from health and safety hazards (i.e., prescriptive or performance-based procedures; education and training programs; inspection and monitoring requirements; and how laws and regulations are enforced in the absence of voluntary compliance).

⁶ Workers' compensation legislation delegates authority for the delivery of workers compensation programs and sets out responsibilities in the spheres of prevention, rehabilitation, and compensation.

3. *Increasing use of workplace accommodation practices.* Increasing knowledge and use of job accommodation practices among employers can reduce the number of lost-time injury claims to a compensation board. An injury that likely led to one day off work in the past may result in no time lost in the same workplace today due to availability of modified duties to the injured worker on the day of their injury. In this way, a reduction in the number of lost-time injury claims may not reflect an equal reduction in the actual number of workplace injuries.
4. *Jurisdictional differences in injury and fatality definitions.* Provinces and territories define work-related lost-time injuries differently. For instance, some compensation boards count a lost-time injury when a worker misses their next scheduled shift due to their injury, whereas some other boards count lost-time injuries when an injured worker leaves their current shift (AWCBC, 2018).

In terms of fatalities, five compensation boards have “found dead” clauses in their legislation (i.e., Saskatchewan, Alberta, Nova Scotia (coal miners only), Northwest Territories and Nunavut). These boards are more likely to accept all fatalities that occur in a workplace even when there is uncertainty about the link between a workplace incident and the cause of death (e.g., a heart attack). Further, some jurisdictions have “right to elect” clauses that allow workers who, for example, are injured in a vehicle collision while working, to seek compensation from an auto insurer instead of a compensation board. Similarly, spouses of deceased workers may elect to seek benefits from an auto insurer instead of a compensation board. Work-related fatalities and injuries that are compensated outside of a WCB system may not be counted in AWCBC statistics.⁷

There are also differences in how jurisdictions define, assess and count occupational disease claims. For instance, six jurisdictions in Canada have “presumptions” that establish causation for occupational diseases where there is sufficient evidence that the disease is specific to a particular exposure, process, or condition of employment (e.g., certain cancers and the occupation of firefighting).⁸ However, across these jurisdictions, there is a wide variation in the number of occupational diseases recognized, as well as in the exposures/working conditions associated with them. This affects the types of cancers and other illnesses (e.g., PTSD) that are compensated across the country. Finally, some compensation boards do not report injury and illness statistics for self-insured employers, yet the AWCBC includes these data in their reporting.

5. *Missing and incomplete data.* Occasionally, a compensation board’s data submission to the AWCBC may be incomplete or may not conform to AWCBC definitions. In these cases, the AWCBC provides explanatory notes for missing and non-comparable

⁷ In relatively rare cases, the family of a deceased worker, who is killed by faulty product or equipment, may decide not to accept WCB benefits and, instead, sue a product manufacturer. These fatalities may not be included in WCB fatality counts.

⁸ These presumptions appear either in schedules to the governing statute or in supporting regulations. Their goal is to streamline the adjudicative process by avoiding the repeated effort of producing and analyzing medical and other evidence of work-relatedness for each individual case.

provincial and territorial data. A list of these exceptions for the years 2010 to 2018, for jurisdictions with such data limitations, is shown in the Appendix at the end of this report.

6. *Jurisdictional differences in current and past industry mix.* Differences in the types of industry operating in a jurisdiction can influence injury rates and the number of work-related fatalities (Berriault et al., 2017). Moreover, past industry mixes may influence the present rate of occupational disease, such as the impact of extracting, processing, and manufacturing asbestos between the 1950s and 1970s on current claims for asbestos-related mesothelioma (e.g., Bianco & Demers, 2013).
7. *Jurisdictional differences in labour force size.* While fatality rates take into account workforce size (based on coverage rates), small jurisdictions can experience dramatic changes in their rates due to relatively small changes in the number of fatality claims each year. For this reason, this report highlights work fatality rates in provinces with more than 100,000 workers.

3.0 Work-Related Fatality and Injury Rates by Jurisdiction, 2014-2018

In 2018, the AWCBC reported 362 injury and 665 occupational disease-related fatalities in Canada. Alberta had the highest number of injury-related fatalities (n = 86), while Ontario reported the greatest number of occupational disease-related deaths (n = 260). In that same year, 264,438 lost-time injury claims were accepted by provincial and territorial WCBs, with Quebec reporting the highest number of these claims (n = 78,504).

Table 2: Number of Work-Related Fatalities and Lost-Time Injuries in 2018

	Number of Lost-Time Injuries	Number of Injury Related Fatalities	Number of Occupational Disease Related Fatalities
Alberta	28,048	86	76
British Columbia	53,856	65	66
Manitoba	13,177	13	11
New Brunswick	5,036	9	13
Newfoundland and Labrador	3,505	4	32
Nova Scotia	6,119	13	21
NWT/Nunavut	933	6	0
Ontario	64,855	74	260
Prince Edward Island	1,133	0	1
Quebec	78,504	62	164
Saskatchewan	8,846	28	20
Yukon	426	2	1
Total	264,438	362	665

3.1 Provincial and Territorial Work-Related Injury Fatality Rates

Table 3 compares the 2018 injury-related fatality rate to the average 2015 to 2017 rate for each jurisdiction.⁹

Among jurisdictions with over 100,000 full-time equivalent employees, Manitoba (241%), Nova Scotia (137%), and Saskatchewan (65%) showed the greatest percentage increase in their 2018 injury fatality rate. Whereas, Newfoundland and Labrador (-30%), New Brunswick (-19%), and Quebec (-14%) showed the greatest decline.

Table 3: Percentage Change in Injury Fatality Rate (per 100,000), 2018 vs. 2015-2017

	Average 2015-2017 Rate	2018 Rate	Percentage Change
Alberta	3.5	4.5	28%
British Columbia	2.6	2.7	3%
Manitoba	0.7	2.5	241%
New Brunswick	3.4	2.8	-19%
Newfoundland and Labrador	2.6	1.8	-30%
Nova Scotia	1.6	3.8	137%
NWT/Nunavut*	4.9	14.2	193%
Ontario	1.2	1.3	10%
Prince Edward Island*	1.9	0.0	-100%
Quebec	1.8	1.6	-14%
Saskatchewan	4.0	6.7	65%
Yukon*	4.5	8.3	86%

* Fewer than 100,000 FTEs

⁹ The results shown in Tables 3-11 are based on an analysis of AWCBC data by the report's lead author.

Given the relatively small labour force size and relatively small number of fatalities in some jurisdictions, three-year moving average rates may provide a more accurate picture of general trends in injury-related fatality rates.

Table 4 compares the average injury fatality rate between 2013 and 2015 to the average rate between 2016 and 2018. Among provinces with over 100,000 workers, Manitoba had the greatest percentage injury fatality rate increase (46%), followed by New Brunswick (42%) and Alberta (8%). Newfoundland and Labrador showed the greatest decline (-41%), followed by Saskatchewan (-24%), and Ontario (-5%).

Table 4: Percentage Change in Injury Fatality Rate (per 100,000), 2013-2015 vs. 2016-2018

	Average 2013-2015 Rate	Average 2016-2018 Rate	Percentage Change
Alberta	3.7	4.1	8%
British Columbia	2.8	2.7	-4%
Manitoba	0.9	1.3	46%
New Brunswick	2.1	3.0	42%
Newfoundland and Labrador	3.6	2.1	-41%
Nova Scotia	2.3	2.4	2%
NWT/Nunavut	9.6	8.0	-17%
Ontario	1.3	1.3	-5%
Prince Edward Island	0.5	1.4	199%
Quebec	1.7	1.8	4%
Saskatchewan	5.9	4.5	-24%
Yukon	7.7	5.7	-26%

Table 5 shows the average injury-related fatality rate between 2014 and 2018 by jurisdiction. Considering provinces with over 100,000 workers, Saskatchewan ranks highest (5.1 per 100,000), followed by Alberta (3.8 per 100,000).

Table 5: Five-year Average Injury Fatality Rate (per 100,000), 2014-2018

	Average 5-year Rate
Alberta	3.8
British Columbia	2.8
Manitoba	1.0
New Brunswick	2.9
Newfoundland and Labrador	2.9
Nova Scotia	2.1
NWT/Nunavut	8.1
Ontario	1.3
Prince Edward Island	1.1
Quebec	1.7
Saskatchewan	5.1
Yukon	7.1

3.2 Provincial and Territorial Work-Related Occupational Disease Fatality Rates

Table 6 compares the 2018 occupational disease-related fatality rate to the average rate between 2015 and 2017. Among provinces with over 100,000 workers, Newfoundland and Labrador (112%), New Brunswick (85%), and Saskatchewan (54%) showed the greatest percentage increases in occupational disease fatality rates. Whereas British Columbia (-23%) and Manitoba (-22%) showed the greatest percentage decreases.

Table 6: Percentage Change in Occupational Disease Fatality Rate (per 100,000), 2018 vs. 2015-2017 Average Rate

	Average 2015-2017 Rate	2018 Rate	Percentage Change
Alberta	3.9	4.0	2%
British Columbia	3.5	2.7	-23%
Manitoba	2.8	2.1	-22%
New Brunswick	2.2	4.0	85%
Newfoundland and Labrador	6.9	14.6	112%
Nova Scotia	5.1	6.2	21%
NWT/Nunavut	1.6	0.0	-100%
Ontario	3.9	4.7	18%
Prince Edward Island	0.5	1.3	182%
Quebec	3.8	4.2	11%
Saskatchewan	3.1	4.8	54%
Yukon	4.4	4.2	-6%

Table 7 compares the percentage change in occupational disease-related fatality rates by jurisdiction. Again, given the small labour force size in some jurisdictions and relatively small number of fatalities in these jurisdictions, three-year averages rates were compared (i.e., average 2013 to 2015 rate compared to the average 2016 to 2018 rate) to identify general trends over recent years.

Considering provinces with over 100,000 workers, Saskatchewan (56%), New Brunswick (27%), and Quebec (27%) showed the greatest percentage increase in occupational disease fatality rate. In contrast, Manitoba had the greatest percentage decline (-21%), followed by Nova Scotia (-10%), and British Columbia (-7%).

Table 7: Percentage Change in Occupational Disease Fatality Rate (per 100,000), 2013-2015 Average Rate vs. 2016-2018 Average Rate

	Average 2013-2015 Rate	Average 2016-2018 Rate	Percentage Change
Alberta	3.9	4.2	6%
British Columbia	3.6	3.3	-7%
Manitoba	3.1	2.5	-21%
New Brunswick	2.3	2.9	27%
Newfoundland and Labrador	9.4	9.1	-3%
Nova Scotia	5.3	4.7	-10%
NWT/Nunavut	1.6	0.8	-50%
Ontario	3.4	4.3	26%
Prince Edward Island	0.5	0.9	96%
Quebec	3.2	4.0	27%
Saskatchewan	2.6	4.0	56%
Yukon	4.5	5.8	28%

Table 8 shows the average occupational disease fatality rate between 2014 and 2018 by jurisdiction.

Overall, Newfoundland and Labrador had the highest rate (8.7 deaths per 100,000), followed by Nova Scotia (5.1 deaths per 100,000) and Alberta (3.9 deaths per 100,000).

Table 8: Average Occupational Disease Fatality Rate (per 100,000), 2014-2018

	Average 5-year Rate
Alberta	3.9
British Columbia	3.5
Manitoba	2.6
New Brunswick	2.6
Newfoundland and Labrador	8.7
Nova Scotia	5.1
NWT/Nunavut	1.0
Ontario	4.0
Prince Edward Island	0.8
Quebec	3.7
Saskatchewan	3.3
Yukon	4.4

3.3 Provincial and Territorial Work-Related Lost-Time Injury Rates

Table 9 compares the 2018 lost-time injury rate (per 100 full-time equivalent employees) to the average rate between 2015 and 2017.

Limited to jurisdictions with over 100,000 employees, Ontario and New Brunswick showed the greatest increase (15%) in lost-time injury rate, followed by Alberta (13%). Manitoba (-12%) and Nova Scotia (-3%) showed the greatest percentage decline in injury rate.

**Table 9: Percentage Change in Time-Loss Injury Rate (per 100),
2018 vs. 2015-2017**

	Average 2015-2017 Rate	2018 Rate	Percentage Change
Alberta	1.31	1.47	13%
British Columbia	2.20	2.20	0%
Manitoba	2.91	2.57	-12%
New Brunswick	1.36	1.56	15%
Newfoundland and Labrador	1.61	1.60	0%
Nova Scotia	1.86	1.81	-3%
NWT/Nunavut	2.09	2.21	6%
Ontario	1.01	1.16	15%
Prince Edward Island	1.39	1.52	9%
Quebec	1.81	1.99	10%
Saskatchewan	2.05	2.11	3%
Yukon	2.05	1.77	-14%

Table 10 compares the percentage change in lost-time injury rate by jurisdiction. Three-year averages rates were compared (i.e., the average 2013 to 2015 injury rate was compared to the average 2016 to 2018 injury rate).

Among jurisdictions with over 100,000 workers, New Brunswick (27%) and Ontario (22%) showed the greatest increase in lost-time injury rate. Manitoba showed the greatest decrease (-11%), followed by Saskatchewan (-9%) and Newfoundland and Labrador (-9%).

Table 10: Change in Time-Loss Injury Rate (per 100), 2013-2015 Average Rate vs. 2016-2018 Average Rate

	Average 2013-2015 Rate	Average 2016-2018 Rate	Percentage Change
Alberta	1.32	1.37	4%
British Columbia	2.26	2.19	-3%
Manitoba	3.10	2.77	-11%
New Brunswick	1.16	1.48	27%
Newfoundland and Labrador	1.74	1.57	-9%
Nova Scotia	1.92	1.82	-5%
NWT/Nunavut	2.19	2.15	-2%
Ontario	0.91	1.11	22%
Prince Edward Island	1.29	1.48	14%
Quebec	1.79	1.89	6%
Saskatchewan	2.28	2.07	-9%
Yukon	1.98	1.97	0%

Table 11 shows the average lost-time injury rate over the past 5 years (i.e., between 2014 and 2018) by jurisdiction. Among provinces with over 100,000 workers, Manitoba had the highest rate (2.89 per 100), followed by British Columbia (2.21 per 100), and Saskatchewan (2.10 per 100).

Table 11: Average Time-Loss Injury Rate (per 100), 2014-2018

	Average 5-year Rate
Alberta	1.34
British Columbia	2.21
Manitoba	2.89
New Brunswick	1.36
Newfoundland and Labrador	1.63
Nova Scotia	1.86
NWT/Nunavut	2.16
Ontario	1.02
Prince Edward Island	1.42
Quebec	1.84
Saskatchewan	2.10
Yukon	2.00

4.0 Provincial Work-Related Fatality and Injury Rate Graphs, 2010-2018

The graphs in this section provide a visual representation of fatality and lost-time injury rates by jurisdiction between 2010 and 2018. Due to relatively high yearly variability in rates in smaller jurisdictions, graphs for NWT/Nunavut, PEI, and the Yukon are omitted.

What is noteworthy in these graphs is that in most jurisdictions, the occupational disease fatality rate has surpassed (or is close to surpassing) the injury fatality rate. The one exception is Saskatchewan, where the injury fatality rate continues to be higher than the occupational disease fatality rate. The trend observed in most jurisdictions aligns with findings reported in 2013 by the Occupational Cancer Research Centre that the number of compensated claims for deaths from occupational cancer in Canada had dramatically increased since 1997 and that it had surpassed the number of traumatic injuries in approximately 2005 (Del Bianco and Demers, 2013).

In jurisdictions across Canada, the occupational disease fatality rate appears to be trending upwards over time. This is consistent with what has been previously reported in the literature (Del Bianco and Demers, 2013; Sharpe and Hardt, 2006) and what we expect to happen as more workers are diagnosed with long-latency diseases. However, as these graphs illustrate, the rates fluctuate from year to year. There could be several reasons for these fluctuations, including changes to policy that expand (or restrict) coverage, as well as heightened awareness and media attention within specific workplaces that result in more claims being filed and compensated (as happened at the GE plant in Peterborough, Ontario. See Mojtehdzadeh, 2017).

For example, the recent spike in the occupational disease fatality rate in Newfoundland and Labrador may reflect the impact of a policy change on occupational disease claims. In 2016, the province's *Workplace Health, Safety and Compensation Act* was amended to provide presumptive coverage for eleven cancers to career firefighters (retroactive to December 14, 2015) and to volunteer firefighters (effective January 1, 2017) (Government of Newfoundland and Labrador, 2016). The occupational disease fatality rate in NL increased from 3.5 per 100,000 in 2016 to 9.1 per 100,000 in 2017 and to 14.6 per 100,000 in 2018. A similar pattern may be seen in Saskatchewan in the next few years as the provincial government expanded presumptive coverage for firefighters in 2019 to include six cancers not previously covered.

4.1 Provincial Work-Related Fatality Rate Graphs

Figure 2: Alberta Work-Related Fatality Rates, 2010-2018

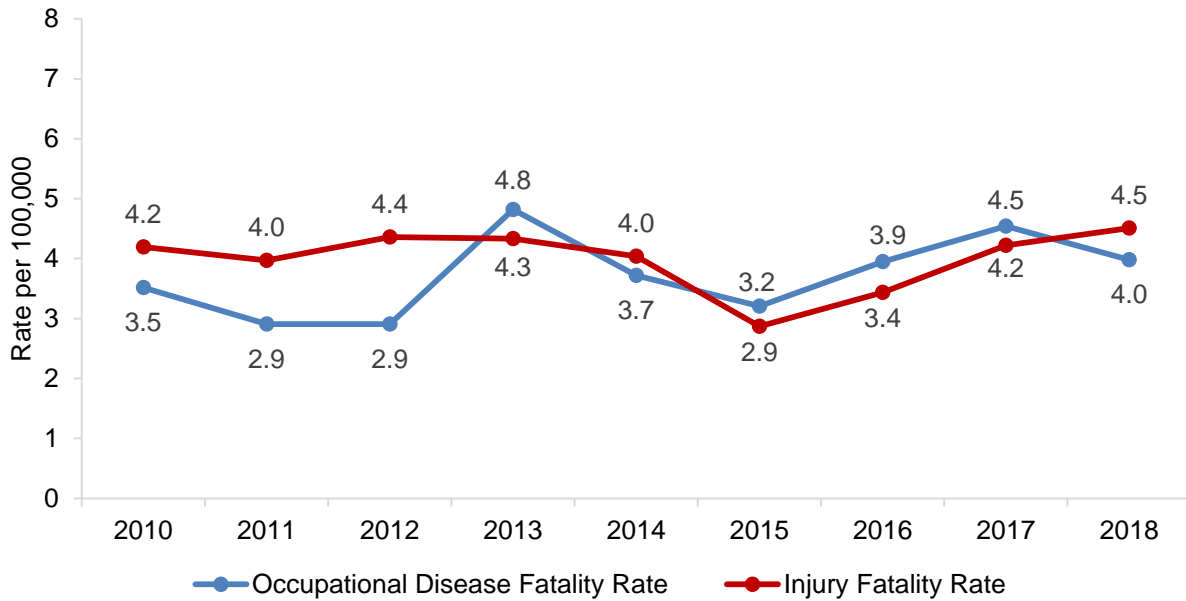


Figure 3: British Columbia Work-Related Fatality Rates, 2010-2018

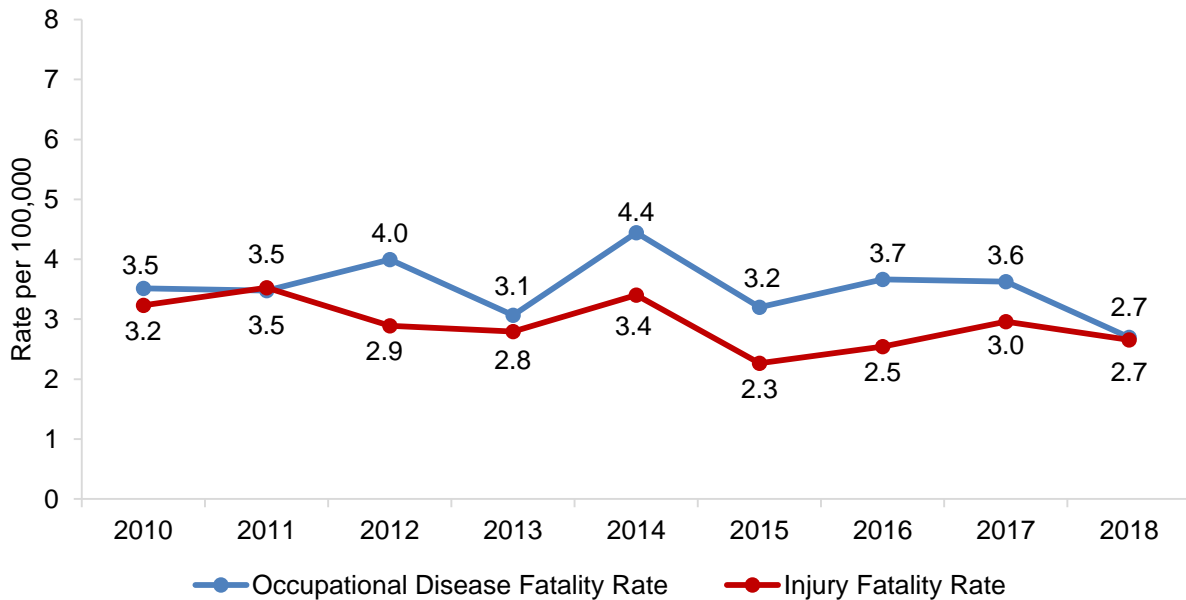


Figure 4: Manitoba Work-Related Fatality Rates, 2010-2018

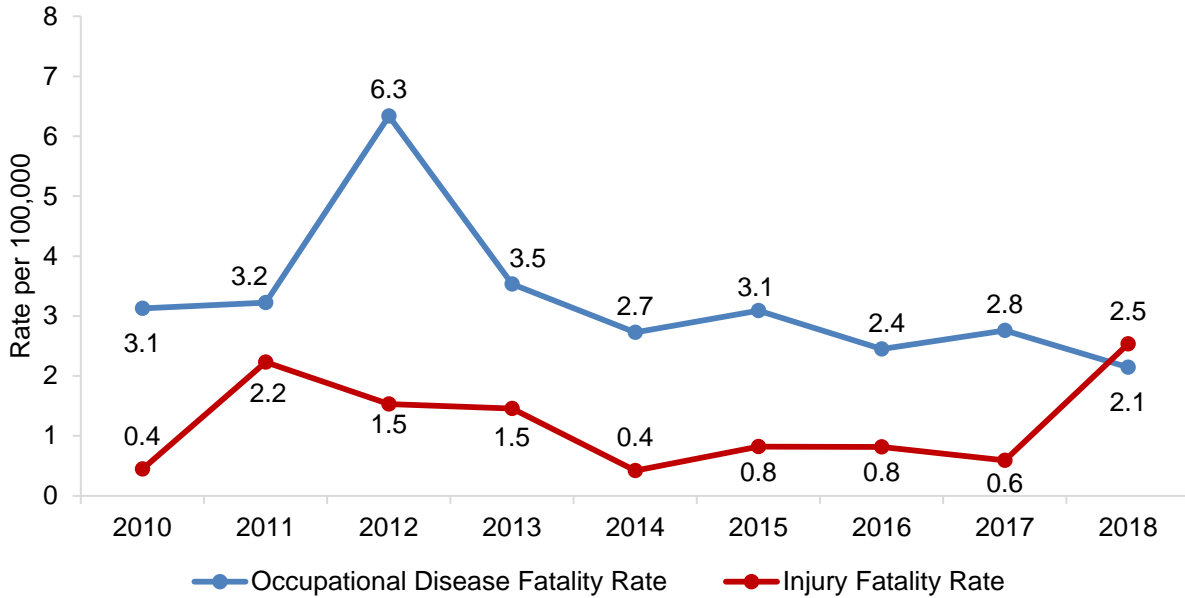


Figure 5: New Brunswick Work-Related Fatality Rates, 2010-2018

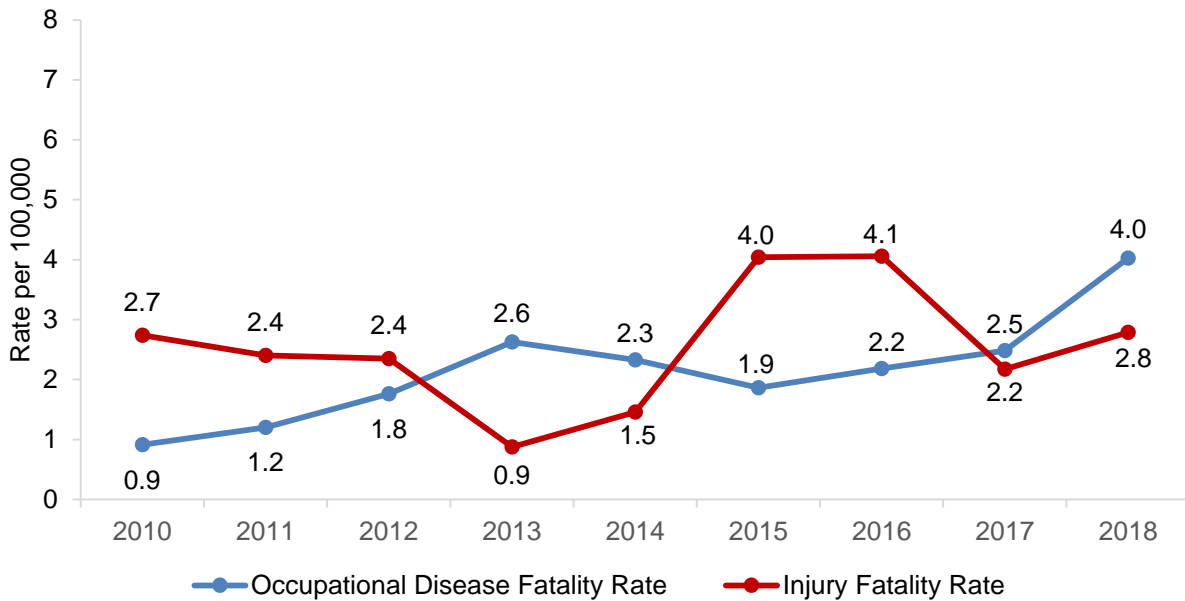


Figure 6: Newfoundland and Labrador Work-Related Fatality Rates, 2010-2018

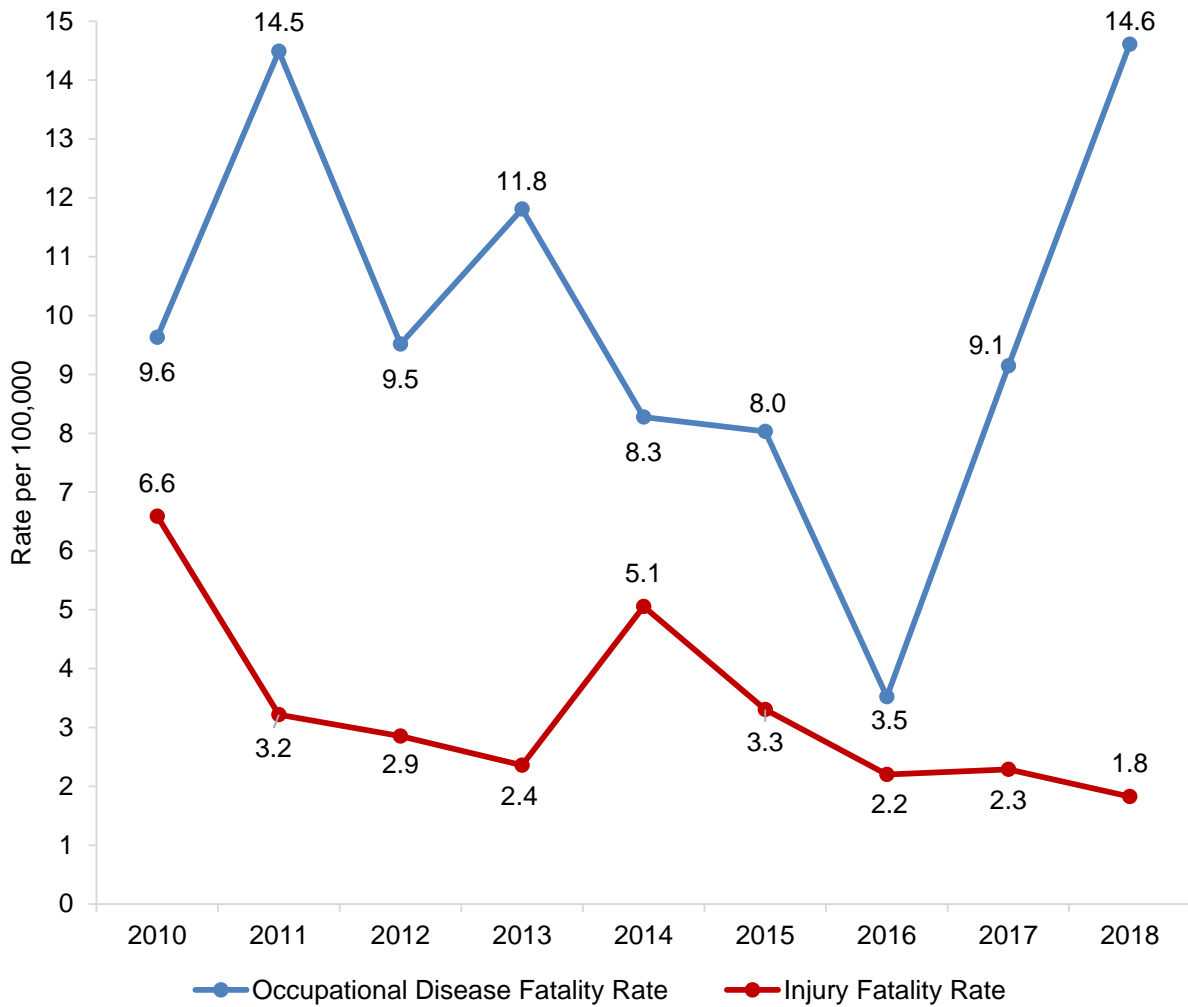


Figure 7: Nova Scotia Work-Related Fatality Rates, 2010-2018

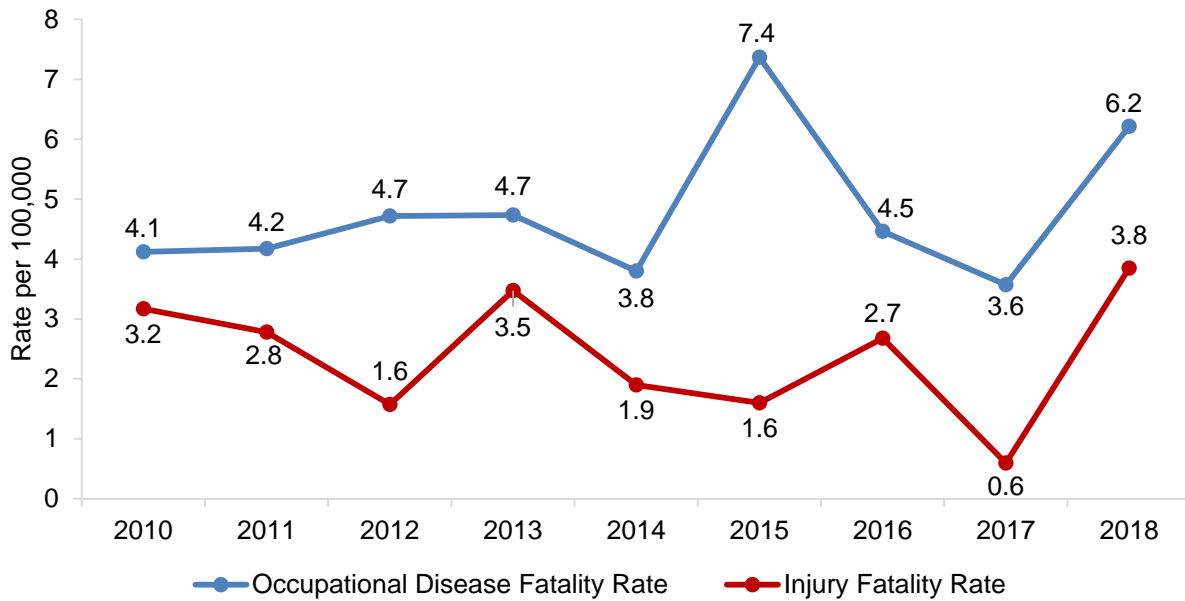


Figure 8: Ontario Work-Related Fatality Rates, 2010-2018

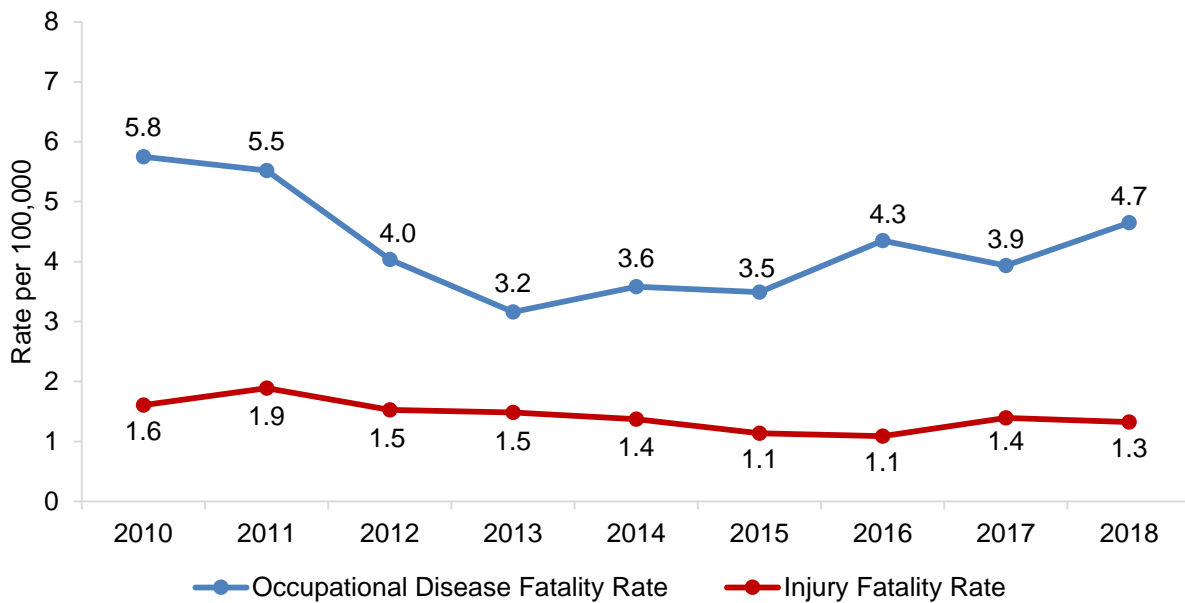


Figure 9: Quebec Work-Related Fatality Rates, 2010-2018

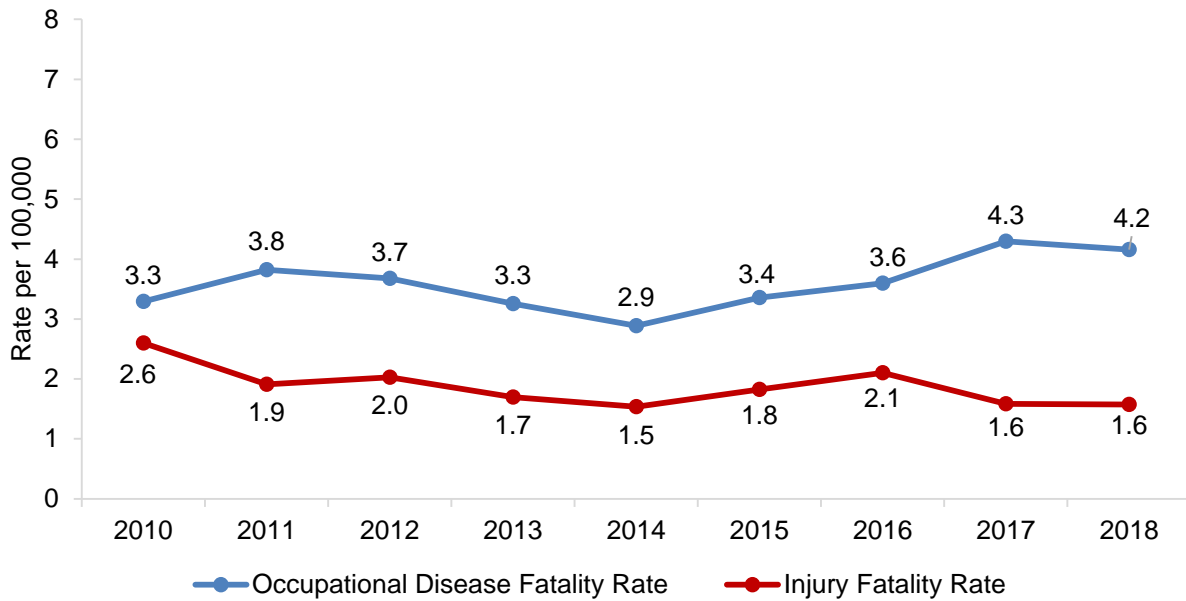
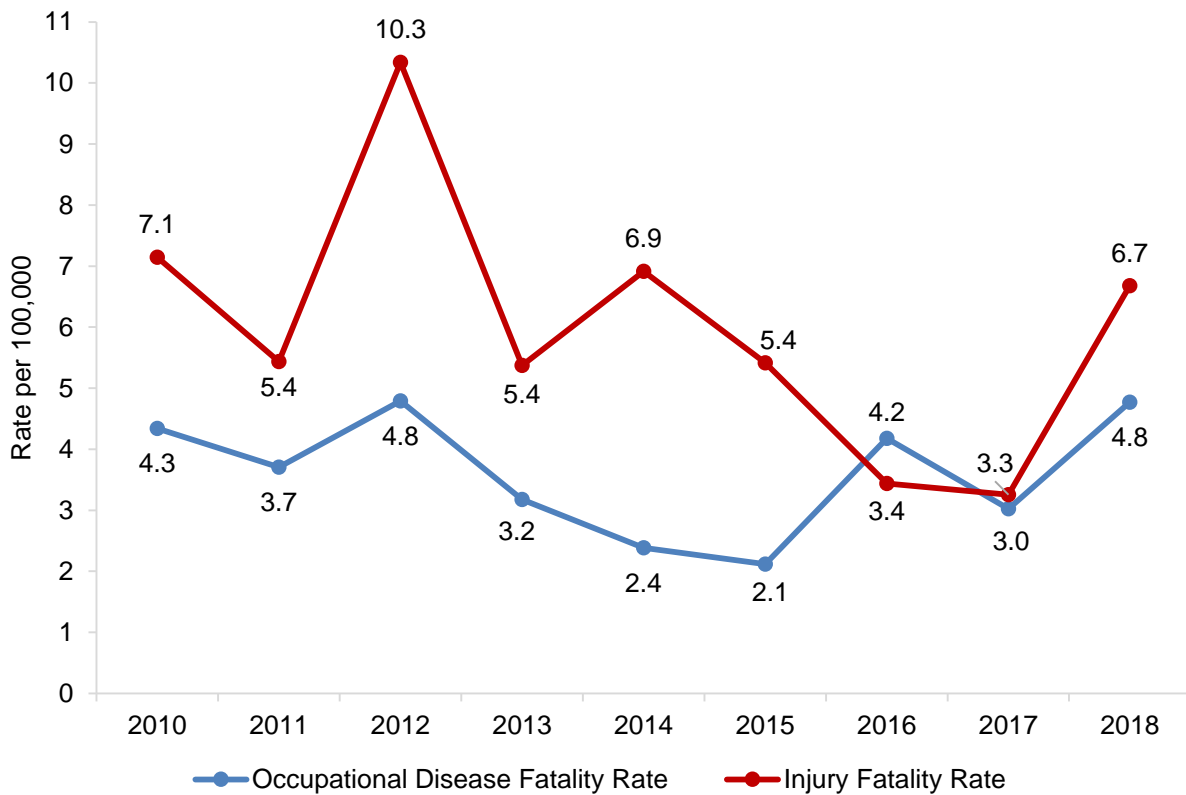


Figure 10: Saskatchewan Work-Related Fatality Rates, 2010-2018



4.2 Provincial Injury Rate Graphs

Figure 11: Alberta Work-Related Injury Rate, 2010-2018

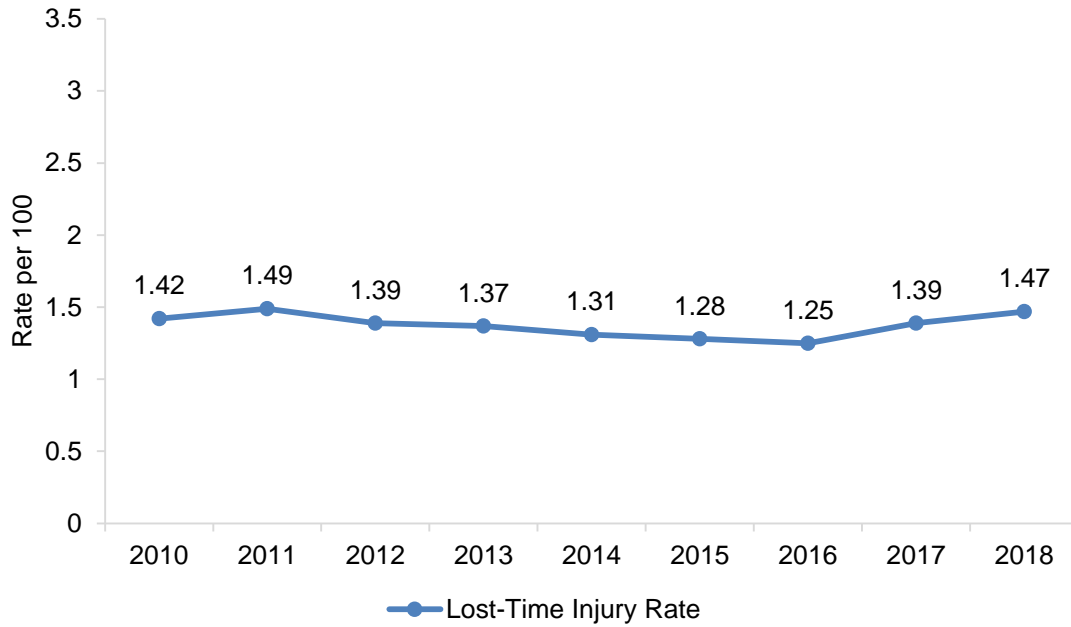


Figure 12: British Columbia Work-Related Injury Rate, 2010-2018

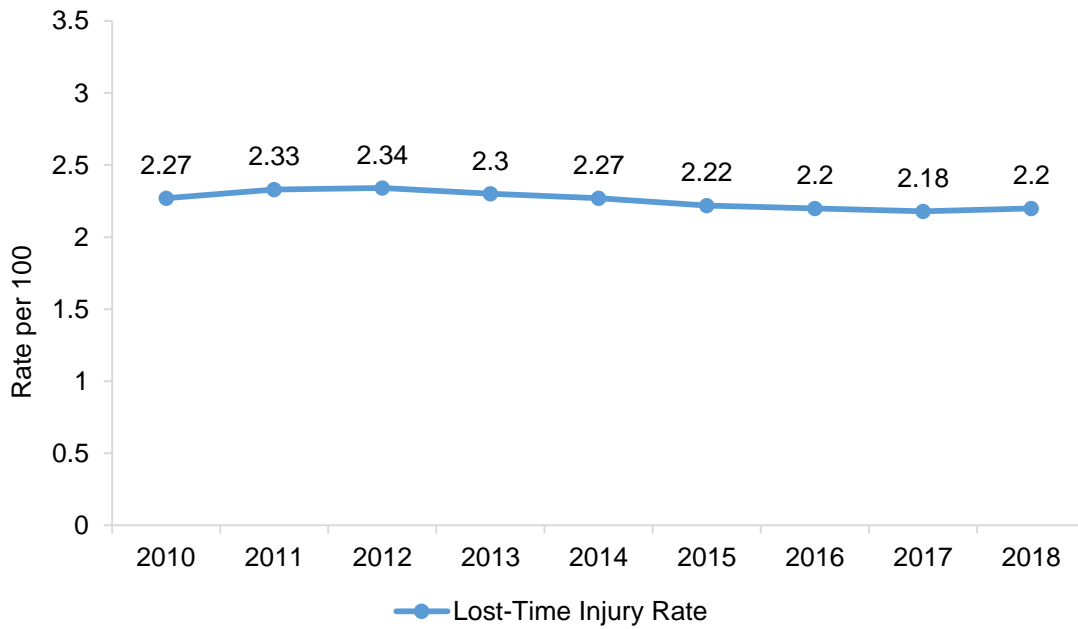


Figure 13: Manitoba Work-Related Injury Rate, 2010-2018

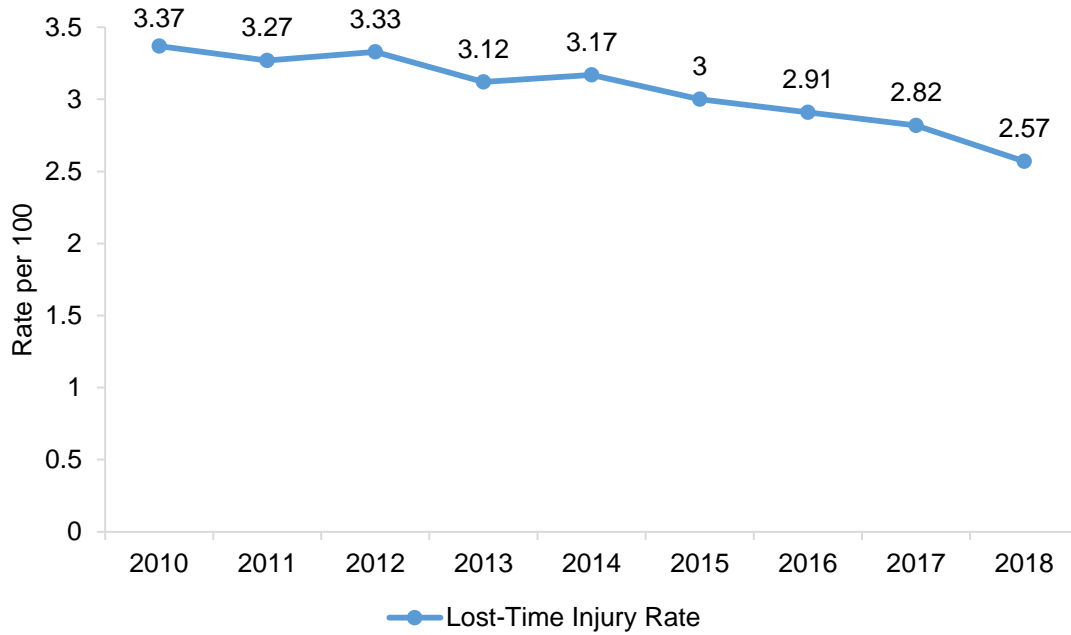


Figure 14: New Brunswick Work-Related Injury Rate, 2010-2018

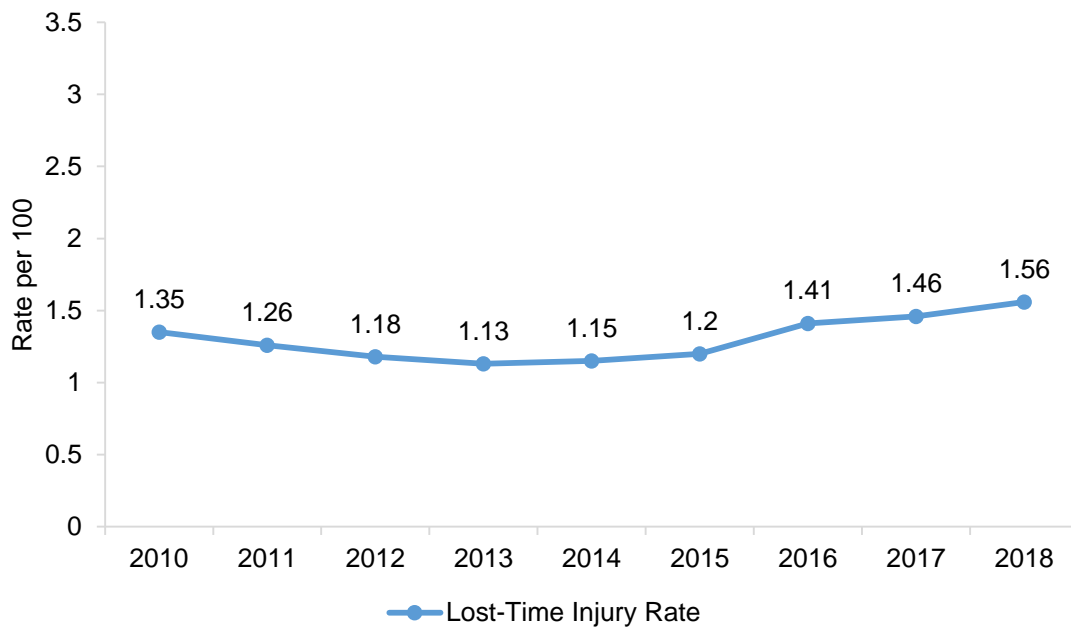


Figure 15: Newfoundland and Labrador Work-Related Injury Rate, 2010-2018

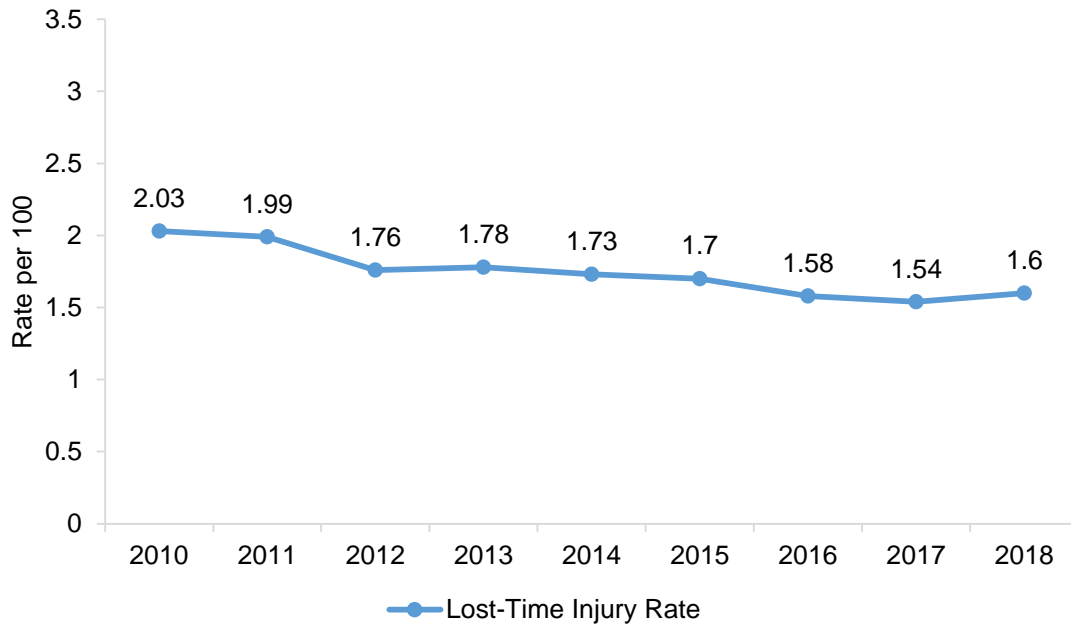


Figure 16: Nova Scotia Work-Related Injury Rate, 2010-2018

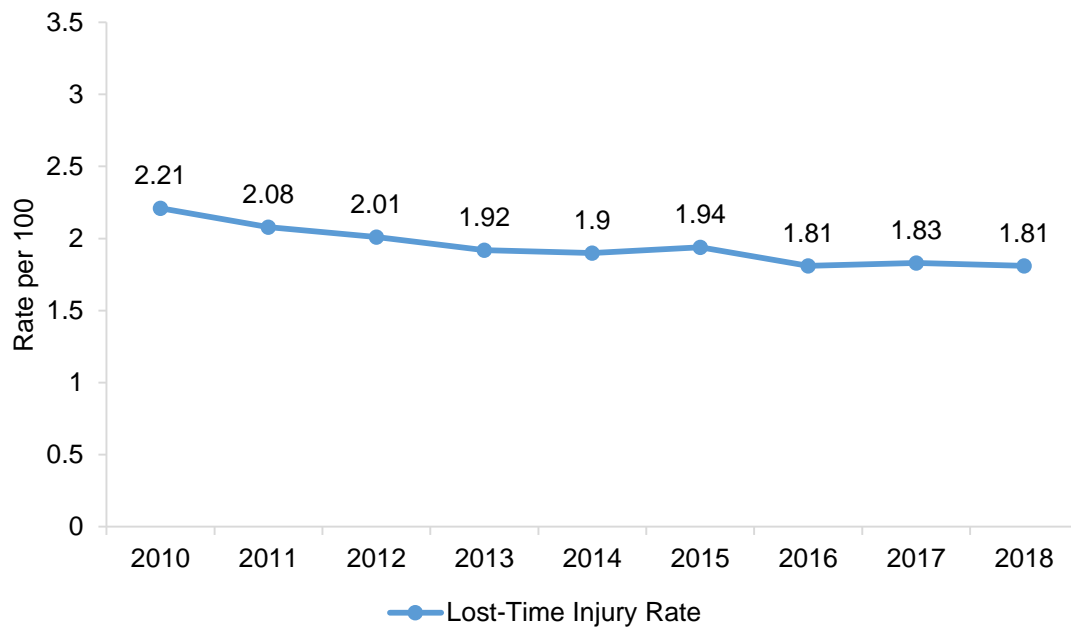


Figure 17: Ontario Work-Related Injury Rate, 2010-2018

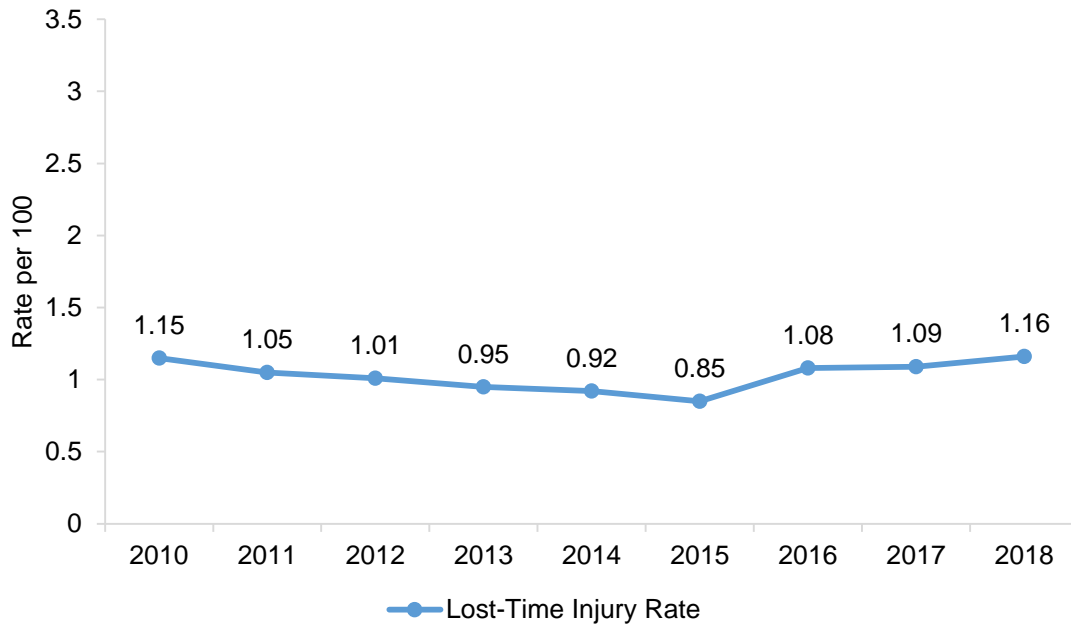


Figure 18: Quebec Work-Related Injury Rate, 2010-2018

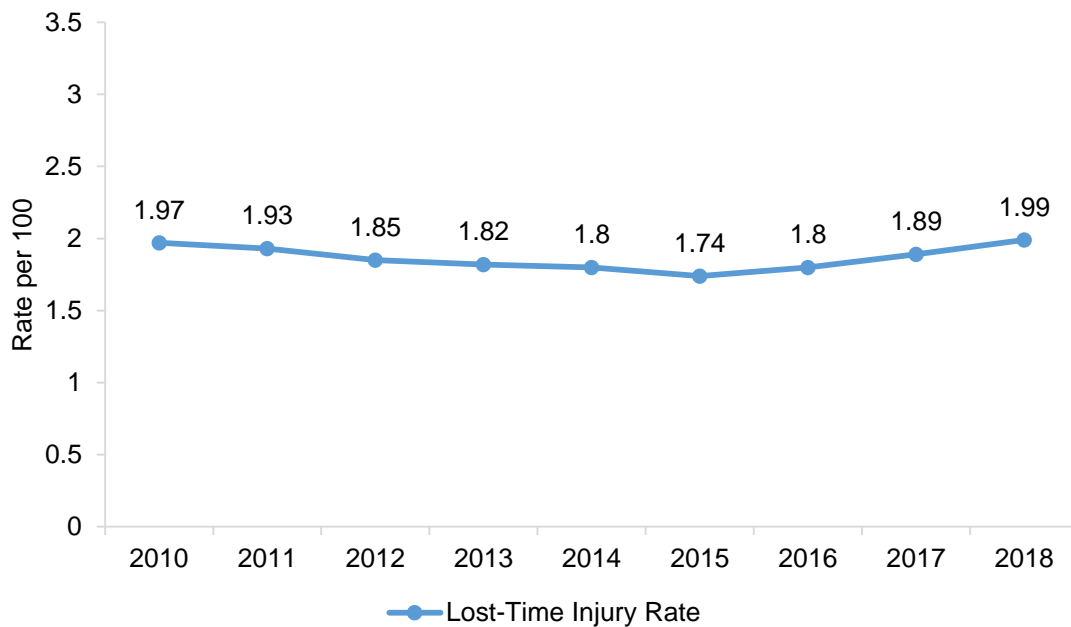
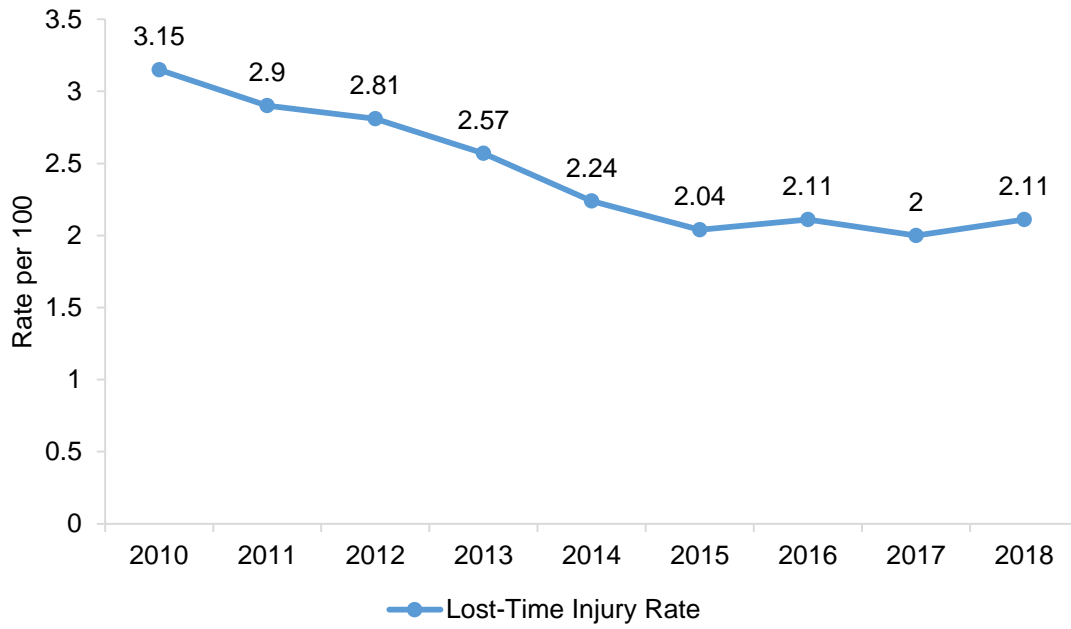


Figure 19: Saskatchewan Work-Related Injury Rate, 2010-2018



5.0 Recommendations

The following recommendations are principally aimed at addressing some of the data limitations identified in Section 2.1 of this report. If implemented, they could strengthen the accuracy and comparability of the data for future analyses, as well as foster improved prevention of work-related injuries, diseases, and fatalities in Canada.

1. Harmonize data collection and reporting within and across jurisdictions

Efforts should be undertaken to harmonize data collection and reporting amongst the systems responsible for occupational injury/disease prevention and workers' compensation in Canada. A review of the workers' compensation system in Alberta, conducted in 2016-2017, illustrated that there is an appetite for improved collection and sharing of data, both within and across jurisdictions.¹⁰ In its final report, the WCB Review Panel recommended that:

OHS and WCB jointly establish a working group featuring representation from employers, workers, the WCB and OHS, to examine issues and make improvements to the collection and use of data related to workplace injuries and illnesses.

Among its efforts, the working group should develop and implement solutions related to:

- *The use of data for purposes other than those for which it was collected;*
- *The harmonization of data among the WCB, OHS, other entities, and other public agencies, boards and commissions in Alberta;*
- *The timeliness of data that is gathered; and*
- *Addressing privacy implications that might attend the gathering of data regarding workplace injuries and illnesses and the sharing of that data among the WCB, OHS and other entities.*

Recommendation 59

If organizations and agencies responsible for prevention and workers' compensation across Canada came together to harmonize the definitions, the coding, and the categorization of the data they collected, it would not only facilitate more timely interjurisdictional comparisons, but it would also be helpful for identifying opportunities for workplaces to improve – both of which would be particularly advantageous for employers that operate in multiple provinces. Harmonization could be achieved either prospectively (i.e., by jurisdictions agreeing to collect exactly the same information on a go-forward basis) or retrospectively (i.e., pre-existing data collected by each jurisdiction is processed to make sure that it is compatible). Statistics Canada could take a lead role in harmonizing injury and fatality data in Canada (Grant, 2017a). Australia's National Data Set for Compensation-based Statistics provides an instructive example and useful model for how such an initiative could be accomplished.

¹⁰Working Together. Report and Recommendations of the Alberta Workers' Compensation Board Review Panel (June 2017) is available online at <https://www.alberta.ca/assets/documents/WCB-Review-Final-Report.pdf>.

2. Explore creative solutions to address the problem of under-reporting

Efforts should be undertaken to develop, implement and evaluate methods to ensure that all work-related injuries, diseases, and fatalities recognized by legislation, regulation and/or policy are captured – and appropriately compensated – by workers' compensation systems across the country. Some options that could be considered are:

- Estimating the prevalence of time-loss injury (Prism Economics and Analysis, 2013), non-time-loss injury, and fatality under-reporting (KoeHoorn et al., 2015) in each jurisdiction.
- Fostering the linkage of population-based administrative datasets with the workers' compensation administrative datasets (using, for example, British Columbia's repository of linked administrative data, Population Data BC¹¹, or the Partnership for Work, Health and Safety¹² as a model);
- Creating population-based exposure and/or injury/disease/fatality surveillance systems and link them with primary prevention activities (Ontario's Occupational Disease Surveillance System¹³ provides a model that could be adapted and expanded to other jurisdictions); and,
- Designing tools, resources and awareness campaigns for health care providers to facilitate contact between their patients and the workers' compensation system (like, for example, an initiative that was undertaken by the BC Cancer Registry to advise physicians that their patients with mesothelioma may be eligible for workers' compensation benefits¹⁴).

3. Enhance primary prevention activities

Efforts should be undertaken to enhance primary prevention activities within and across jurisdictions. These efforts could include:

- Targeting high-risk industries and occupations
- Ensuring compliance with existing occupational health and safety regulatory frameworks
- Improving enforcement activities (e.g., focussed inspections, targeted programs and initiatives)
- Creating multi-pronged primary prevention initiatives that combine consultation, education, and enforcement activities
- Developing public awareness campaigns, partnerships, and community outreach.

¹¹See <https://www.popdata.bc.ca/>.

¹²See <http://pwhs.ubc.ca/>.

¹³The Occupational Disease Surveillance System (ODSS), which was created by the Occupational Cancer Research Centre in 2016, is now available online at <https://www.odsp-ocrc.ca/projects/odss/>. The system provides a means to examine disease trends and patterns and to detect changes in disease risk over time. Results for a subset of diseases examined (asbestosis, asthma, breast cancer, dermatitis, idiopathic pulmonary fibrosis, lung cancer, mesothelioma, prostate cancer, and silicosis) are currently available online, with more to be added in the future.

¹⁴See Hurrell, AC et al. (2013) for a description of this initiative.

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Appendix: AWCBC Explanatory Notes (2010-2018)

Manitoba

Variable	Year	Note
Injury Frequency	2010	The 2010 Annual Report states that the 2010 preliminary time loss injury rate is 3.3%. The Annual Report's approach differs slightly from the AWCBC approach to this statistic.
Injury Frequency	2011	The 2011 Annual Report states that the 2011 preliminary time loss injury rate is 3.3%. The Annual Report's approach differs slightly from the AWCBC approach to this statistic.
Injury Frequency	2012	The 2012 Annual Report states that the 2012 preliminary time loss injury rate is 3.3%. The Annual Report's approach differs slightly from the AWCBC approach to this statistic.
Injury Frequency	2013	The 2012 Annual Report states that the 2012 preliminary time loss injury rate is 3.3%. The Annual Report's approach differs slightly from the AWCBC approach to this statistic. The 2013 Annual Report states that the 2013 preliminary time loss injury rate is 3.2%. The Annual Report's approach differs slightly from the AWCBC approach to this statistic.
Injury Frequency	2014	The 2014 Annual Report states that the 2014 preliminary time loss injury rate is 3.2%. The Annual Report's approach differs slightly from the AWCBC approach to this statistic.

2020 Report on Work Fatality and Injury Rates

New Brunswick

Variable	Year	Note
Total Number of Lost-Time Claims	2010	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,971 lost-time claims (including day of accident) in total in 2010.
Total Number of Lost-Time Claims	2011	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,688 lost-time claims (including day of accident) in total in 2011.
Total Number of Lost-Time Claims	2012	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,302 lost-time claims (including day of accident) in total in 2012.
Total Number of Lost-Time Claims	2013	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,276 lost-time claims (including day of accident) in total in 2013.
Total Number of Lost-Time Claims	2014	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,349 lost-time claims (including day of accident) in total in 2014.
Total Number of Lost-Time Claims	2015	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,152 lost-time claims (including day of accident) in total in 2015.
Total Number of Lost-Time Claims	2017	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,550 lost-time claims (including day of accident) in total in 2017.
Total Number of Lost-Time Claims	2018	NB has a 3 day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,862 lost-time claims (including day of accident) in total in 2018.
Injury Frequency	2010	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,971 lost-time claims (including day of accident) in total in 2010.
Injury Frequency	2011	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,688 lost-time claims (including day of accident) in total in 2011.
Injury Frequency	2012	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,302 lost-time claims (including day of accident) in total in 2012.
Injury Frequency	2013	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,276 lost-time claims (including day of accident) in total in 2013.
Injury Frequency	2014	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,349 lost-time claims (including day of accident) in total in 2014.
Injury Frequency	2015	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,152 lost-time claims (including day of accident) in total in 2015.

2020 Report on Work Fatality and Injury Rates

Injury Frequency	2016	NB has a 3-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,698 lost-time claims (including day of accident) in total in 2016.
Injury Frequency	2017	NB has a 3 day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,550 lost-time claims (including day of accident) in total in 2017.
Injury Frequency	2018	NB has a 3 day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,862 lost-time claims (including day of accident) in total in 2018.

Nova Scotia

Variable	Year	Note
Total Number of Lost-Time Claims	2010	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2010 annual report is 6,921.
Total Number of Lost-Time Claims	2011	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2011 annual report is 6,616.
Total Number of Lost-Time Claims	2012	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2012 annual report is 6,341.
Total Number of Lost-Time Claims	2013	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2013 annual report is 6,034.
Total Number of Lost-Time Claims	2014	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2014 annual report is 5,953.
Total Number of Lost-Time Claims	2015	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2015 annual report is 6,014.
Total Number of Lost-Time Claims	2016	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2016 annual report is 5,847. This annual report figure does not include permanent disability claims.
Total Number of Lost-Time Claims	2017	NB has a 3 day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,550 lost-time claims (including day of accident) in total in 2017.

2020 Report on Work Fatality and Injury Rates

Total Number of Lost-Time Claims	2018	NB has a 3 day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. NB accepted 5,862 lost-time claims (including day of accident) in total in 2018.
Injury Frequency	2010	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2010 annual report is 6,921.
Injury Frequency	2011	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2011 annual report is 6,616.
Injury Frequency	2012	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2012 annual report is 6,341.
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Injury Frequency	2015	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2015 annual report is 6,014.
Injury Frequency	2016	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2016 annual report is 5,847. This annual report figure does not include permanent disability claims.
Injury Frequency	2017	NS has a 2-day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2017 annual report is 5,906. This annual report figure does not include permanent disability claims.
Injury Frequency	2018	NS has a 2 day waiting period therefore, the number of lost time claims listed in this report may not reflect every lost time injury for this province. The total number of lost-time claims published in the WCB of Nova Scotia's 2018 annual report is 5,819. This annual report figure does not include permanent disability claims.

2020 Report on Work Fatality and Injury Rates

Northwest Territories/Nunavut

Variable	Year	Note
Injury Frequency	2010	For injury frequency and workforce covered calculations, NT/NU uses SEPH data, which are 3% to 6% lower than labour force data. This methodology results in the injury frequency being overestimated due to the characteristics of the data.
Injury Frequency	2011	For injury frequency and workforce covered calculations, NT/NU uses SEPH data, which are 3% to 6% lower than labour force data. This methodology results in the injury frequency being overestimated due to the characteristics of the data.
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Injury Frequency	2013	For injury frequency and workforce covered calculations, NT/NU uses SEPH data, which are 3% to 6% lower than labour force data. This methodology results in the injury frequency being overestimated due to the characteristics of the data.
Injury Frequency	2014	For injury frequency and workforce covered calculations, NT/NU uses SEPH data, which are 3% to 6% lower than labour force data. This methodology results in the injury frequency being overestimated due to the characteristics of the data.
Injury Frequency	2015	NT/NU allows self-employed individuals with no assessable payroll to opt out of personal coverage, should they so choose.
Injury Frequency	2016	For injury frequency and workforce covered calculations, NT/NU uses SEPH data, which are 3% to 6% lower than labour force data. This methodology results in the injury frequency being overestimated due to the characteristics of the data.
Injury Frequency	2017	For injury frequency and workforce covered calculations, NT/NU uses SEPH data, which are 3% to 6% lower than labour force data. This methodology results in the injury frequency being overestimated due to the characteristics of the data.
Injury Frequency	2018	For injury frequency and workforce covered calculations, NT/NU uses SEPH data, which are 3% to 6% lower than labour force data. This methodology results in the injury frequency being overestimated due to the characteristics of the data.

2020 Report on Work Fatality and Injury Rates

Ontario

Variable	Year	Note
Number of Fatalities Accepted - Occupational Disease	2015	Prescribed cancer legislation allowing coverage of firefighter presumptive occupational disease claims are included - Cancers in Firefighters and Fire Investigators Legislation (Policy 23-02-01).
Number of Fatalities Accepted - Occupational Disease	2017	Prescribed cancer legislation allowing coverage of firefighter presumptive occupational disease claims are included - Cancers in Firefighters and Fire Investigators Legislation (Policy 23-02-01).
Number of Fatalities Accepted - Occupational Disease	2018	Prescribed cancer legislation allowing coverage of firefighter presumptive occupational disease claims are included - Cancers in Firefighters and Fire Investigators Legislation (Policy 23-02-01).
Number of Fatalities Accepted - Injury	2012	This KSM will not match By the Numbers (BTN) as the traumatic fatality count in BTN is by year of death, whereas this KSM represents traumatic fatalities by year accepted, regardless of year of death.
Number of Fatalities Accepted - Injury	2013	This KSM will not match By the Numbers (BTN) as the traumatic fatality count in BTN is by year of death, whereas this KSM represents traumatic fatalities by year accepted, regardless of year of death.
Number of Fatalities Accepted - Injury	2014	This KSM will not match By the Numbers (BTN) as the traumatic fatality count in BTN is by year of death, whereas this KSM represents traumatic fatalities by year accepted, regardless of year of death.
Number of Fatalities Accepted - Injury	2015	This KSM will not match By the Numbers (BTN) as the traumatic fatality count in BTN is by year of death, whereas this KSM represents traumatic fatalities by year accepted, regardless of year of death.
Number of Fatalities Accepted - Injury	2017	This KSM will not match By the Numbers (BTN) as the traumatic fatality count in BTN is by year of death, whereas this KSM represents traumatic fatalities by year accepted, regardless of year of death.
Number of Fatalities Accepted - Injury	2018	This KSM will not match By the Numbers (BTN) as the traumatic fatality count in BTN is by year of death, whereas this KSM represents traumatic fatalities by year accepted, regardless of year of death.
Injury Frequency	2010	Ontario Board is no longer publishing harmonized LTI rate.

2020 Report on Work Fatality and Injury Rates

Injury Frequency	2011	Ontario Board is no longer publishing harmonized LTI rate.
Injury Frequency	2017	As requested from AWCBC starting in 2017 this KSM includes both assessable and self-insured employers.
Injury Frequency	2018	As requested from AWCBC starting in 2017 this KSM includes both assessable and self-insured employers.
Percentage of Workforce Covered	2011	2011 Labour Force Survey (LFS) estimates are based on 2006 Census population estimates, whereas prior years were based on 2001 Census population estimates.
Percentage of Workforce Covered	2012	2012 and 2011 Labour Force Survey (LFS) estimates are based on 2006 Census population estimates, whereas prior years were based on 2001 Census population estimates.
Percentage of Workforce Covered	2013	2013 Labour Force Survey (LFS) estimates are based on 2006 Census population estimates, whereas years prior to 2011 were based on 2001 Census population estimates.
Percentage of Workforce Covered	2014	2014 Labour Force Survey (LFS) estimates are based on 2006 Census population estimates, whereas years prior to 2011 were based on 2001 Census population estimates.
Percentage of Workforce Covered	2015	2014 Labour Force Survey (LFS) estimates are based on 2006 Census population estimates, whereas years prior to 2011 were based on 2001 Census population estimates.

Prince Edward Island

Variable	Year	Note
Total Number of Loss-Time Claims	2010	As of April 1, 2002, PEI has a waiting period equivalent to 60% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Total Number of Loss-Time Claims	2011	As of April 1, 2002, PEI has a waiting period equivalent to 60% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Total Number of Loss-Time Claims	2012	As of April 1, 2002, PEI has a waiting period equivalent to 60% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.

2020 Report on Work Fatality and Injury Rates

Total Number of Loss-Time Claims	2013	As of April 1, 2002, PEI has a waiting period equivalent to 60% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Total Number of Loss-Time Claims	2014	As of January 1, 2014, PEI has a waiting period equivalent to 40% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Total Number of Loss-Time Claims	2015	Data has not yet been published. It is currently in a pre-approval state.
Number of Fatalities Accepted - Occupational Disease	2015	Data has not yet been published. It is currently in a pre-approval state.
Injury Frequency	2010	As of April 1, 2002, PEI has a waiting period equivalent to 60% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Injury Frequency	2011	As of April 1, 2002, PEI has a waiting period equivalent to 60% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Injury Frequency	2012	As of April 1, 2002, PEI has a waiting period equivalent to 60% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Injury Frequency	2013	As of April 1, 2002, PEI has a waiting period equivalent to 60% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Injury Frequency	2014	As of January 1, 2014, PEI has a waiting period equivalent to 40% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.

2020 Report on Work Fatality and Injury Rates

Injury Frequency	2015	As of January 1, 2014, PEI has a waiting period equivalent to 40% of weekly compensation being required before compensation is payable; therefore, the number of lost time claims listed in this report may not reflect every lost time injury for PEI as of March 31 of the following year.
Percentage of Workforce Covered	2010	The province of PEI became assessed and as such costs and revenues are now included. Liabilities of the province for past claims have been assumed by the WCB of PEI.
Percentage of Workforce Covered	2011	The province of PEI became assessed and as such costs and revenues are now included. Liabilities of the province for past claims have been assumed by the WCB of PEI.
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Percentage of Workforce Covered	2015	The province of PEI became assessed and as such costs and revenues are now included. Liabilities of the province for past claims have been assumed by the WCB of PEI.

Yukon

Variable	Year	Note
Number of Fatalities Accepted - Injury	2015	No note
Lost Time Injury Frequency	2017	For injury frequency and workforce covered calculations, NT/NU uses SEPH data, which are 3% to 6% lower than labour force data. This methodology results in the injury frequency being overestimated due to the characteristics of the data.
Total Lost Time Claims	2018	Preliminary.