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Labour

Occupational Injuries amongst Canadian Federal Jurisdiction Employers, 2007-2011

Performance, Analysis
and Research Division,
Labour Program

January 2014

Occupational Injuries Amongst Canadian Federal Jurisdiction Employers, 2007 to 2011

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1. Highlights

This statistical report catalogues occupational injuries and fatalities between 2007 and 2011 among employers in Canada under federal jurisdiction. It includes three key statistical performance measures:

1. The **Disabling Injuries Incidence Rate (DIIR)** is defined as the total number of disabling and fatal **occupational injuries per 100 employees, expressed as full-time equivalents (FTEs)**
2. The **Injury Incidence Rate (IIR)** is defined as the total number of occupational injuries, of all kinds, (minor, disabling and fatal injuries), per 100 employees, expressed as full-time equivalents (FTEs)
3. The **Fatal Injuries Incidence Rate (FIIR)** which is a measure of the total number of fatal occupational injuries per 100,000 employees, expressed as full-time equivalents (FTEs).

The main highlights are:

- In 2011, the national Disabling Injury Incidence Rate (DIIR) for the federal jurisdiction increased slightly to 1.73 per 100 full-time equivalent employees (FTE) from 1.68 in 2010. Notwithstanding, over the five year period from 2007 to 2011, the national rates showed a downward trend, moving from 2.22 in 2007 to 1.73 in 2011 (a 22% decline over this time period).
- The 2011 national Injury Incidence Rate (IIR) (minor and disabling injuries) for the federal jurisdiction also increased to 4.80 per 100 full-time equivalent employees (FTE) from 4.56 in 2010. Again, however, like the DIIR, the rates demonstrated a downward trend from 2007-2011, declining from 6.00 in 2007 to 4.80 in 2011.
- The Fatal Injury Incidence Rate (FIIR) fluctuated over the 2007-2011 period in the federal jurisdiction; however, it declined overall, moving from 6.38 fatalities per 100,000 full-time equivalent employees (FTEs) in 2007 to 5.15 fatalities per 100,000 FTEs in 2011.
- The five federally regulated industry sectors with the highest Disabling Injury Incidence Rates in 2011 were: Long shoring (6.07), Postal Contractors (4.89), Water Transport (4.19), Road Transport (4.06) and Air Transport (4.05).
- The four federally regulated industry sectors with the highest Fatal Injury Incidence Rates in 2011 were Grain Elevators (27.84), Road Transport (22.15), Feed Flour and Seed (13.68), and Air Transport (11.60).

2. Background

The purpose of this publication is to provide statistical information (along with select graphical representations and preliminary analysis) for key stakeholder groups and data users in the occupational health and safety (OHS) community in Canada. The key stakeholder groups and data users include employers under federal jurisdiction, the academic and research community, health and safety organizations, workers' compensation boards, federal government OHS staff and the general public. The material in this publication consists primarily of occupational injury statistics and rates for employers under federal jurisdiction, by industry sector and province or territory for the period covering 2007-2011.

Source of Data: the *Employer's Annual Hazardous Occurrence Report*

The Labour Program, Employment and Social Development Canada (ESDC), maintains a register of employers engaged in federal works, undertakings and businesses. The *Employer's Annual Hazardous Occurrence Report* (EAHOR) is mailed once each year to all of these federally regulated employers. As stipulated in section 15.10 of the *Canada Occupational Health and Safety Regulations*, all federally regulated employers must provide information to ESDC by March 1 of each year on the total number of disabling and non-disabling (minor) injuries, fatalities and other hazardous occurrences, the total number of employees (in full-time equivalents), and the total number of hours worked by all employees during the previous calendar year.

Industries under Federal Jurisdiction

According to the *Canada Labour Code*, the federal jurisdiction encompasses any work, undertaking or business that is within the legislative authority of the Parliament of Canada. This includes all work deemed to be for the common good of at least two provinces and outside the exclusive legislative authority of provincial legislatures. The industrial sectors included are as follows:

- | | |
|--------------------------------------|---|
| 1. Aboriginal (ABOR) ¹ | 10. Grain Elevators (GRAN) |
| 2. Air Transport (AIRT) | 11. Long shoring (LONG) |
| 3. Banking (BANK) | 12. Energy and Mining (ENER) |
| 4. Bridges and Tunnels (BRID) | 13. Pipelines (PIPE) |
| 5. Broadcasting (BROD) | 14. Postal Contractors (POST) |
| 6. Communications (COMM) | 15. Rail Transport (RAIL) |
| 7. Federal Crown Corporations (CRWN) | 16. Interprovincial Road Transport (ROAD) |
| 8. Public Service Departments (PUBS) | 17. Water Transport (WATR) |
| 9. Feed, Flour and Seed Mills (FEED) | |

3. Definitions and Glossary

The following definitions are provided for the purposes of this publication only.

Disabling Injury Any occupation injury or disease that:

- 1) prevents an employee from reporting for work, or from effectively performing all the duties connected with the employee's regular work, on any day subsequent to the day on which the occupational injury occurred, whether or not that subsequent day is a working day for that employee;
- 2) results in the loss by an employee of a body member or a part thereof, or in a complete loss of the usefulness of a body member or part thereof;
- 3) or results in the permanent impairment of a bodily function of an employee.

¹ Refers to First Nation businesses or industries.

Disabling Injury Incidence Rate (DIIR)	Defined as the total number of disabling and fatal occupational injuries per 100 employees, expressed as full-time equivalents (FTEs). It is calculated by taking the sum of the total number of disabling and fatal injuries on the job, dividing that by the total number of FTEs and multiplying by 100.
Employee	Any person who has entered into or is employed under a contract of service or apprenticeship, written or oral, expressed or implied, whether by way of manual labour or otherwise, as well as any other person subject to the provisions of a workers' compensation board act or any direction or order of a board.
Employment	<ol style="list-style-type: none">1) All work or activities performed in carrying out assignments or requests made by the employer. It includes related activities not specifically covered by an assignment or request.2) Any voluntary work or activities undertaken while on duty for the benefit of the employer.3) Any activities undertaken while on duty with the consent or approval of the employer.
Fatal Injury	An occupational injury or disease resulting in death.
Fatal Injury Incidence Rate (FIIR)	Defined as the total number of fatal occupational injuries per 100,000 employees. It is calculated by taking the total number of fatal injuries on the job, dividing that by the total number of employees (expressed as full-time equivalents) and multiplying by 100,000.
Federal Jurisdiction	Federal jurisdiction covers those works, undertakings or businesses that are within the legislative authority of Parliament. It also includes any work declared to be for the general advantage of two or more provinces outside the exclusive authority of the provincial legislatures. Federal jurisdiction defined under the Canada Labour Code covers specific industries and their infrastructures (see Section 2 of this publication).
Full-time Equivalent (FTE)	Refers to the employment of one person full time, or more than one person part time, such that the total working time is the equivalent of one person working full time. FTEs are measured in person-years. For instance, 100 people employed full time equals 100 FTEs; ten people employed half time equals five FTEs; and all 110 people combined represent 105 FTEs.
Injury Incidence Rate (IIR)	Defined as the total number of occupational injuries (of all kinds) per 100 employees. The Injury Incidence Rate is calculated by taking the total number of occupational injuries of all kinds, including minor, disabling and fatal injuries, multiplying that number by 100 and dividing by the total number of employees (expressed as full-time equivalents).
Minor Injury	An occupation injury or disease, excluding disabling injuries, for which treatment at a medical facility is provided.

Occupational Injury	Any injury, disease or illness incurred by an employee in the performance of, or in connection with, his or her work.
Off-board	Pertains to air, rail or water transportation industry employers only. This refers to all activities of employers in these industries other than on-board activities taking place on aircraft, trains or marine vessels in operation.
On-board	Pertains to air, rail or water transportation industry employers only. This refers only to on-board activities taking place on aircraft, trains or marine vessels while they are in operation.

4. Occupational Injuries by Industry Sector

Note on Disabling Injury Incidence Rates

In editions of this publication prior to 2000, the disabling injury rate was expressed as the Disabling Injury Frequency Rate (DIFR), which referred to the number of fatal and disabling injuries per million hours worked. Since 2000, the Labour Program has adopted the Disabling Injury Incidence Rate (DIIR) as its principal occupational injuries incidence rate performance measure. In editions since 2000, therefore, the DIIR has replaced the DIFR. The DIIR refers to the number of fatal and disabling injuries per 100 employees, expressed as full-time equivalents (FTEs). This rate is now accepted as the definitive measure of work-related injuries and fatalities for employees under federal jurisdiction in Canada.

Data Analysis: Injury Incidence and Rates

Table 1 presents occupational injuries incidence data for each industry under federal jurisdiction in Canada for the years 2007 to 2011. These statistics are shown by severity of injury, with related injury and fatality incidence rates. Information in this table is subject to periodic updates and revisions in order to adjust for minor inconsistencies in survey responses from employers.

Nationally, the 2011 Injury Incidence Rate (IIR) for all injuries (minor, disabling and fatal injuries) increased slightly to 4.80 per 100 FTEs, compared to 2010 – in the previous year (2010) there was a period low IIR of 4.56.

The national 2011 Disabling Injuries Incidence Rate (DIIR) also slightly increased to 1.73 per 100 FTEs (disabling and fatal injuries) compared to 2010. The lowest DIIR for the 5 year period, 2007 – 2011, was recorded in 2010 at 1.68. Over the preceding three year period before 2010, the DIIR decreased from 2.22 in 2007 to 1.88 in 2009.

The total number of work-related fatalities for industries under federal jurisdiction increased sharply in 2011 to 60 fatalities, up 50% from 40 fatalities in 2010. The number of work-related fatalities has not been this high since 2007, when 65 fatalities were reported. Before 2011, the number of fatal work-related injuries had been steadily decreasing since 2007. When this is expressed as a rate per 100,000 FTEs, the Fatal Injury Incidence Rate (FIIR) in 2011 was 5.15 compared to 3.54 in 2010, 4.56 in 2009 and 4.77 in 2008.

Chart 1.1 illustrates the percentage of fatal work injuries that occurred in specific federal jurisdiction industries in 2011. The highest concentration of work-related fatalities in this year occurred in Road Transportation, which accounted for 60% (36/60) of all fatalities. The next highest percentage of fatal injuries in 2011 was reported by the Air Transport industry, making up 17% of the total (10/60). Public Service Departments followed at 7%, and closely behind was Communications at 5% of total work-related fatalities. All other industry sectors together accounted for 11%. On a positive note, almost half (8/17) of all federal jurisdiction industry sectors reported no (zero) work-related fatalities in 2011.

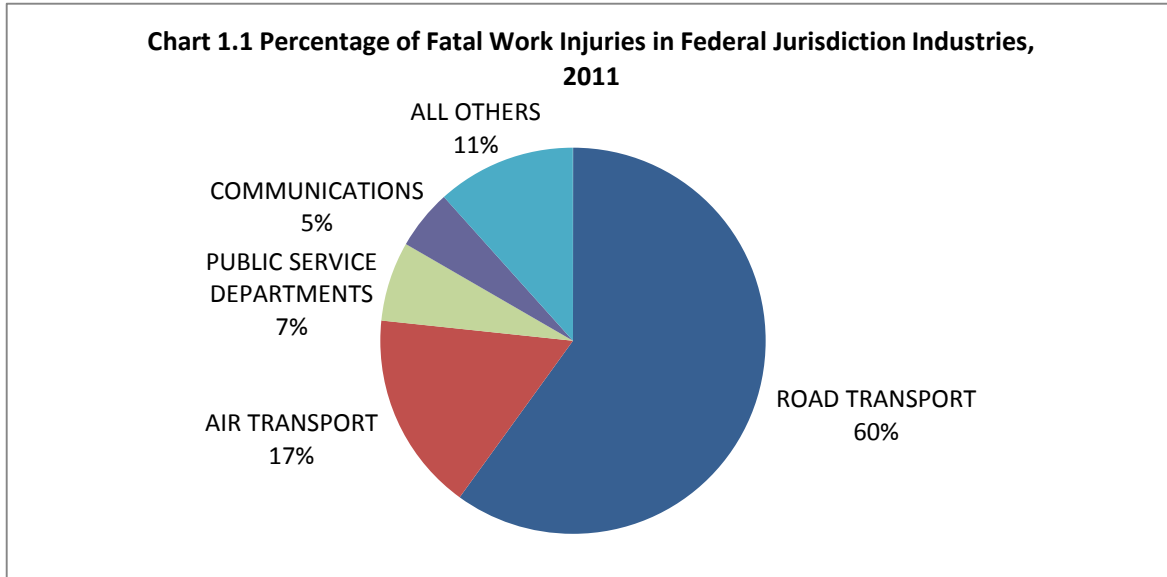
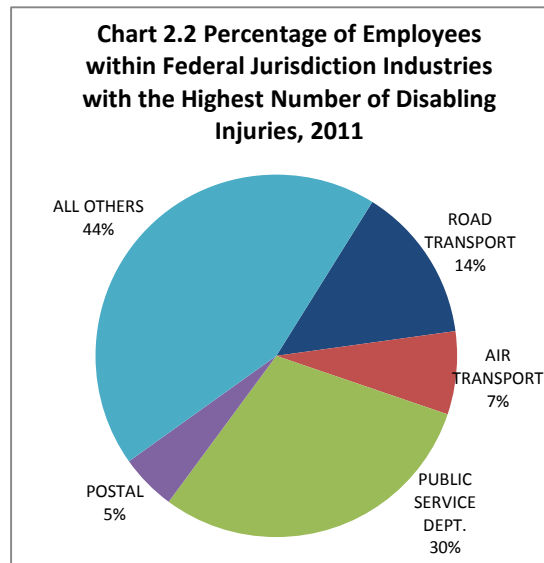
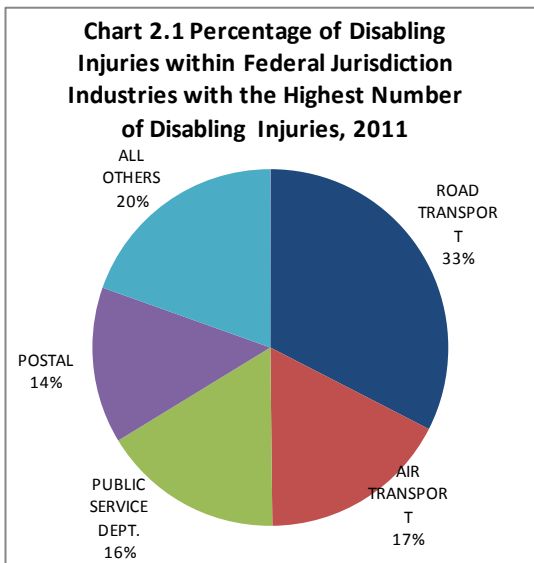
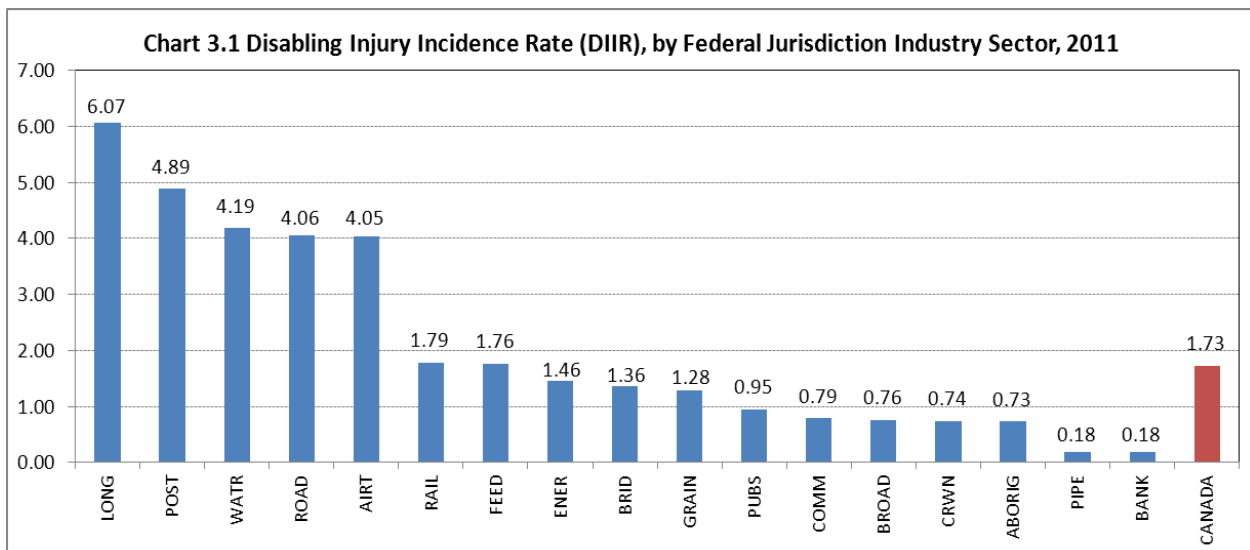


Chart 2.1 shows the percentage of disabling injuries within the federal jurisdiction in 2011 by industry sector, highlighting the four industries with the largest number of disabling injuries. **Chart 2.2** shows the same four industries by percentage of employees. Road Transportation accounted for a third (33%) of all disabling injuries in 2011. Not only was this considerably higher than any other industry, but also disproportionately so, since Road Transportation comprised only 14% of total federal jurisdiction employees.



The remaining three highest reporting industries, Air Transport, Public Service Departments and Postal Contractors, each represented a similar percentage share of disabling injuries at 17%, 16% and 14% respectively. All other federal jurisdiction industries collectively accounted for the remaining 20% of disabling injuries. As with Road Transportation, the next three top reporting industries did not demonstrate an equivalent proportion of disabling injuries to number of employees. Public Service Departments exhibited a notable difference as they accounted for 16% of disabling injuries yet represented 30% of federal jurisdiction employees.

Chart 3.1 shows the 2011 DIIR values for all federal jurisdiction industries. The industry sectors with the highest DIIR values in 2011 were Long shoring (6.07), Postal Contractors (4.89), Water Transport (4.19) Road Transport (4.06) Air Transport (4.05), Rail Transport (1.79), and Feed, Flour and Seed (1.76). All of the other industries reported below the national rate of 1.73. The federal jurisdiction industries with the lowest DIIR values were Pipelines (0.18) and Banking (0.18).



The six industries with the highest Injury Incidence Rates (IIRs) in 2011, (see Chart 3.2), were almost the same group with the highest DIIRs in the year. The top seven IIRs came from Long-shoring (30.51), Air Transport (13.99), Postal Contractors (12.75), Water Transport (10.53), Energy (10.15), Feed, Flour and Seed (9.40), Road Transport (8.50). Of note, the IIR of 30.51 in Long shoring is more than double the next highest reporting industry and more than six times the national IIR rate of 4.80. At the low end of the IIR spectrum were Pipelines (1.45) and Banking (0.66) - the same industries to report the lowest DIIR values for 2011.

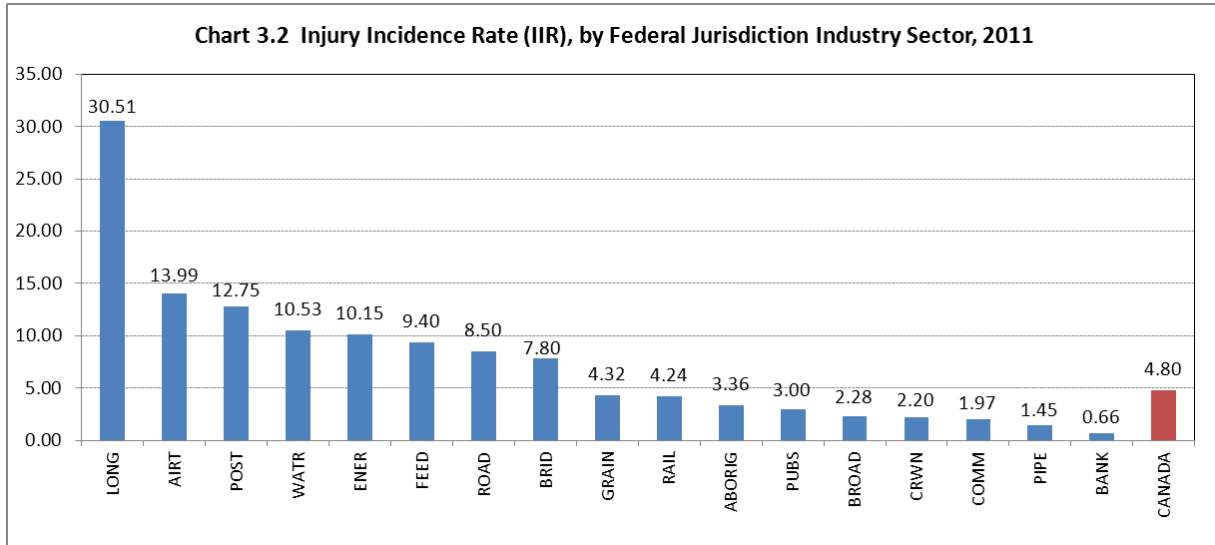
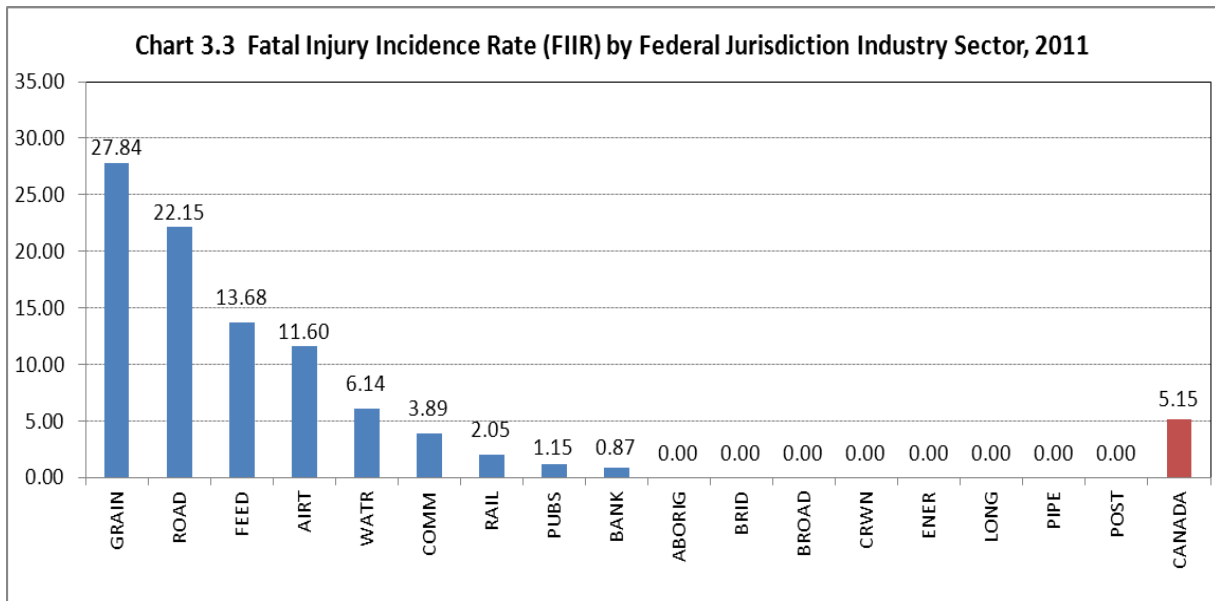
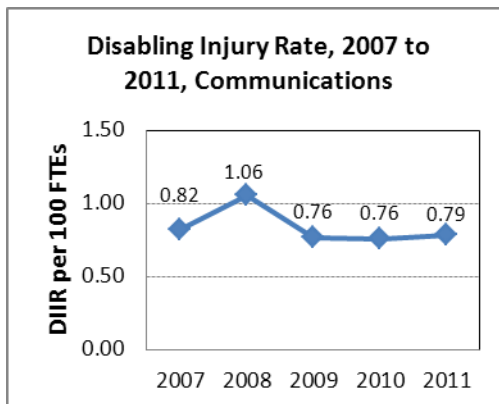
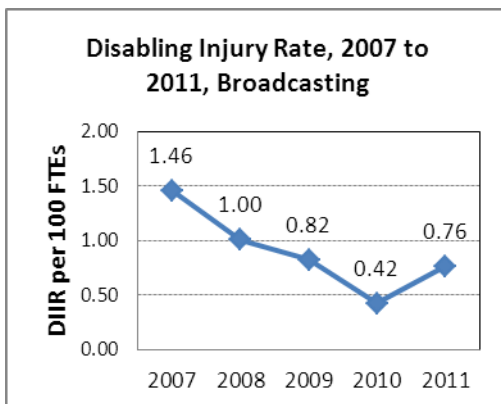
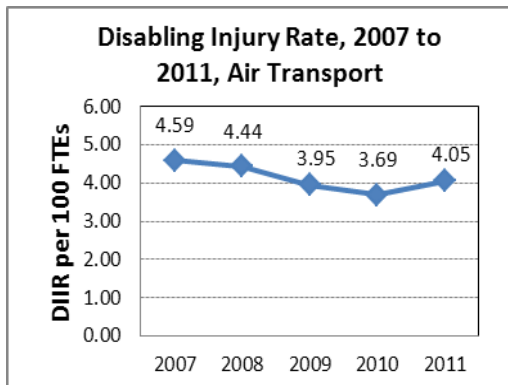
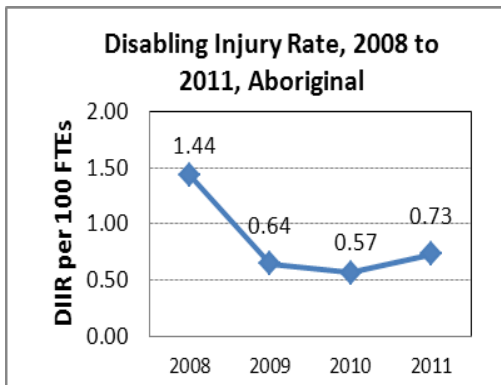
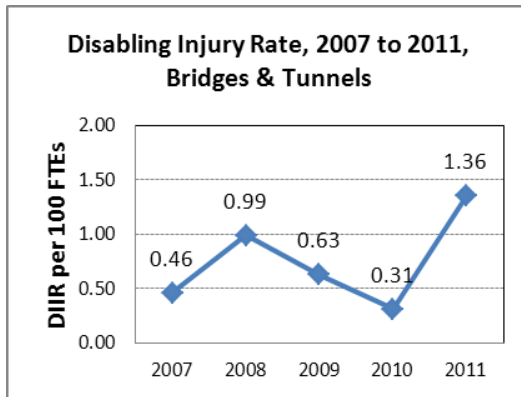
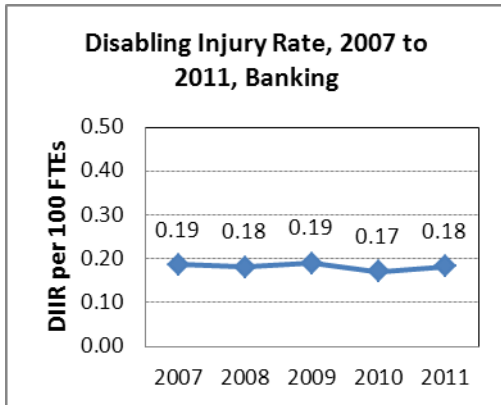
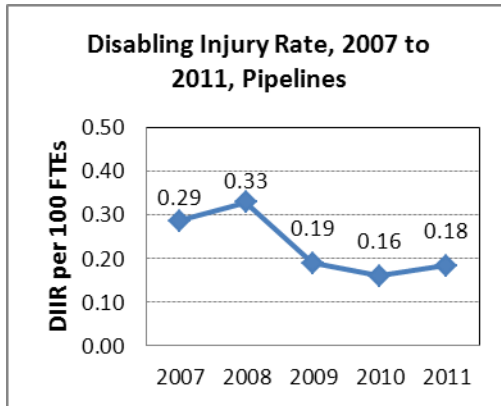
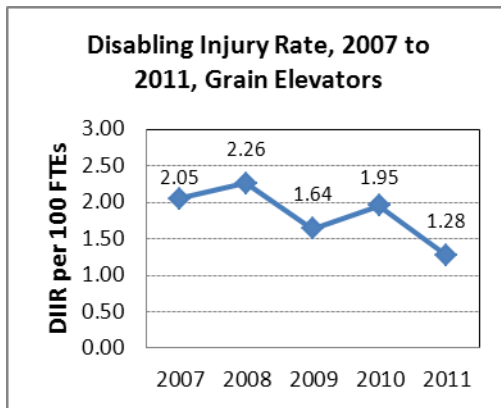
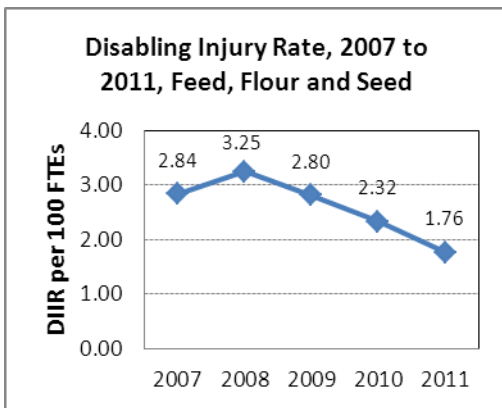
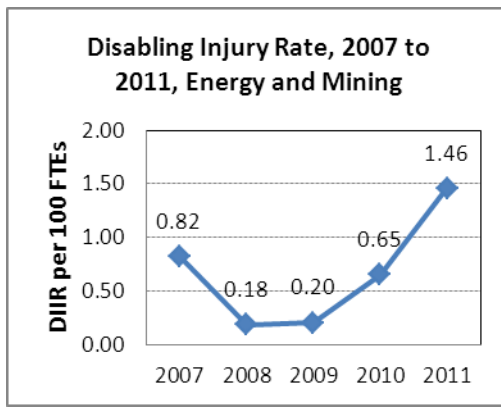
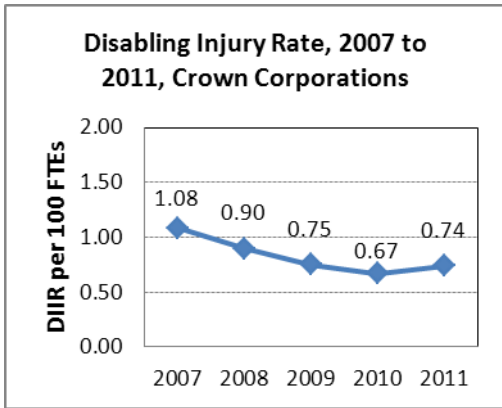


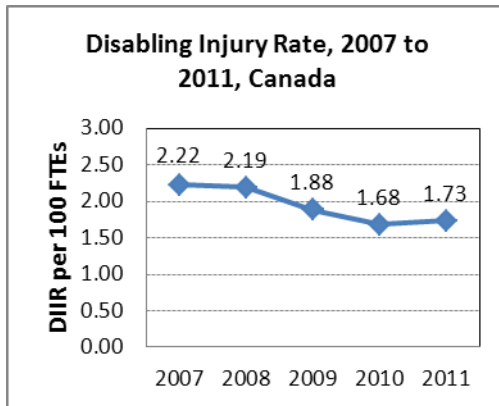
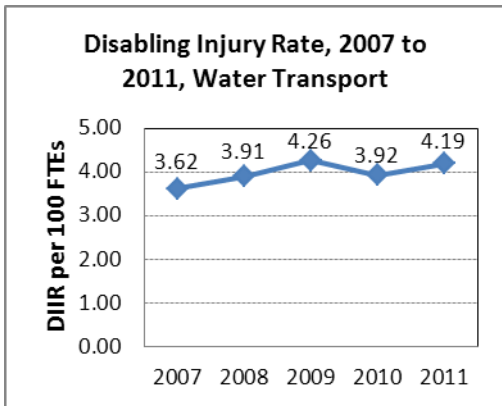
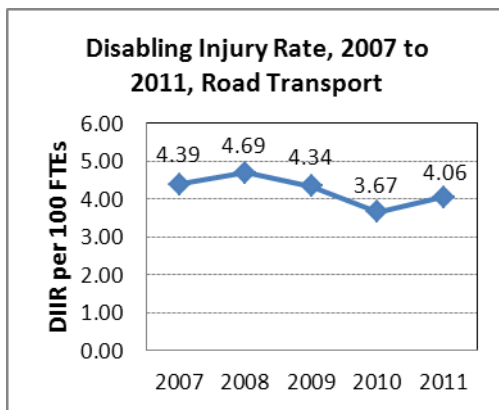
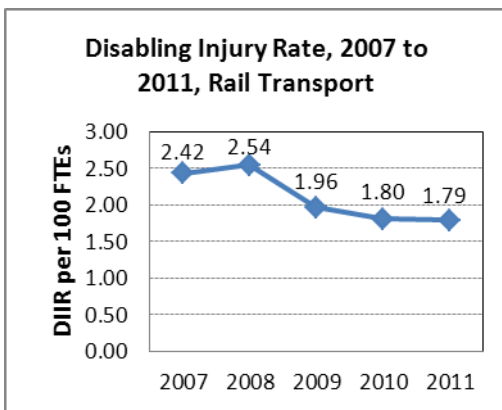
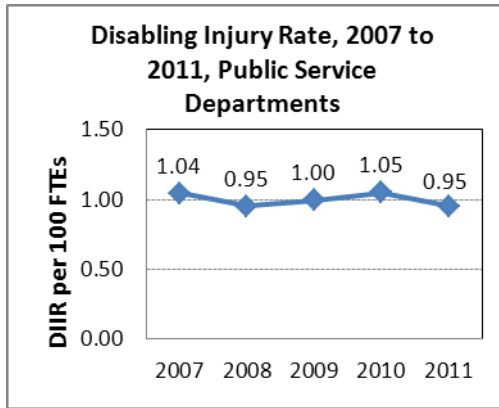
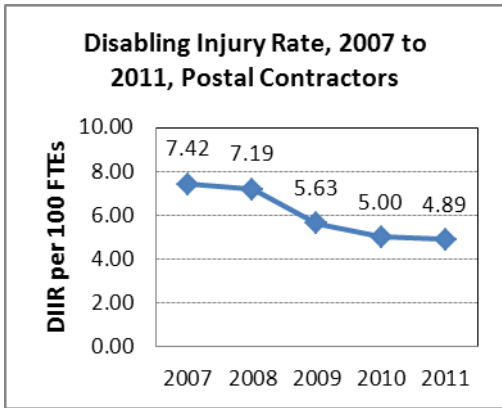
Chart 3.3 illustrates those federal jurisdiction industries which displayed the highest FIIR (Fatal Injury Incidence Rates – fatal occupational injuries per 100,000 employees) values in 2011. These industries were: Grain Elevators (27.84), Road Transport (22.15), Feed, Flour and Seed (13.68), Air Transport (11.60) and Water Transport (6.14). The majority of industries with higher than average FIIRs in 2011 also had above average DIIR and IIR values that same year, with the exception of the Long shoring and Postal Contractor industries, which while having both high DIIR and IIR values in the year, reported no work-related fatalities in 2011.



The following 18 charts present the Disabling Injury Incidence Rates recorded for each of the federally regulated industrial sectors for the calendar years 2007 to 2011 (with the exception of the Aboriginal sector, which commences in 2008 because data was not collected for this sector prior to 2008):







5. Occupational Injuries by Province or Territory

Data Analysis: Injury Incidence and Rates

Table 2 shows occupational injuries data in industries under federal jurisdiction by province and territory for the period 2007 to 2011. These statistics are shown by severity of injury, with related injury and fatality incidence rates. Note that some industry sectors are operative in some provinces and territories while not in others and may not have had any operations in a particular province or territory in this period. For example, in 2011, Newfoundland did not report any activity in the Grain Elevators or Feed, Flour and Seed sectors, and Saskatchewan did not report any activity in the Water Transport or Long shoring sectors.

Charts 4.1 and **4.2** illustrate that due to their larger relative populations and accompanying federal jurisdiction workforces, the greatest concentration of disabling workplace injuries in 2011 were in four provinces: Ontario (29%), Quebec (24%), British Columbia (18%) and Alberta (11%). Collectively they accounted for 82% of all disabling injuries in the federal jurisdiction and represented 84% of the full-time equivalent (FTE) employment federal jurisdiction workforce.

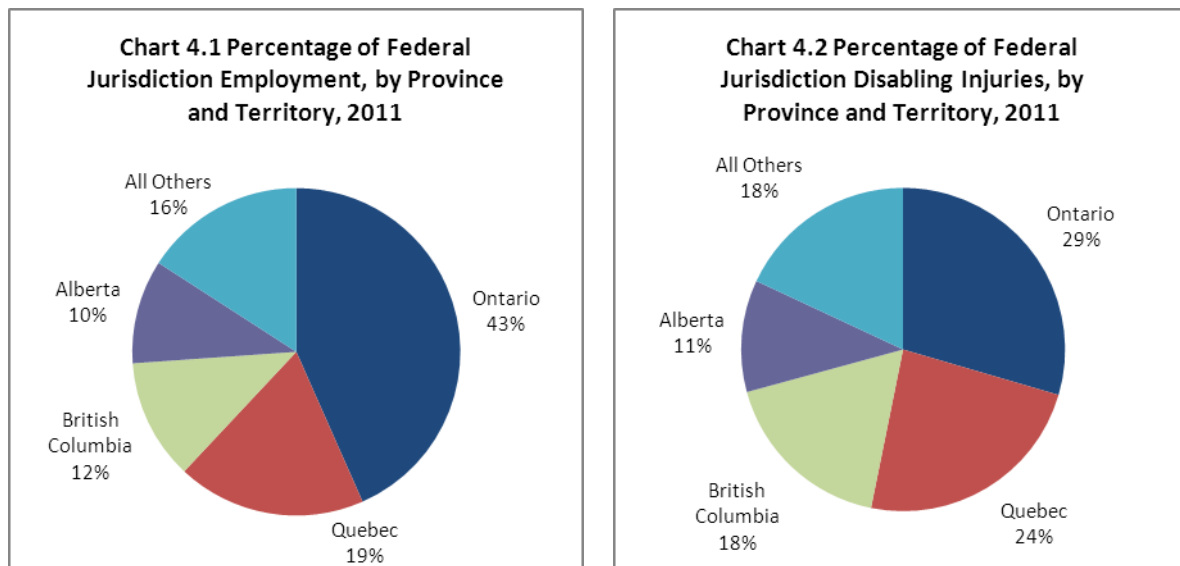
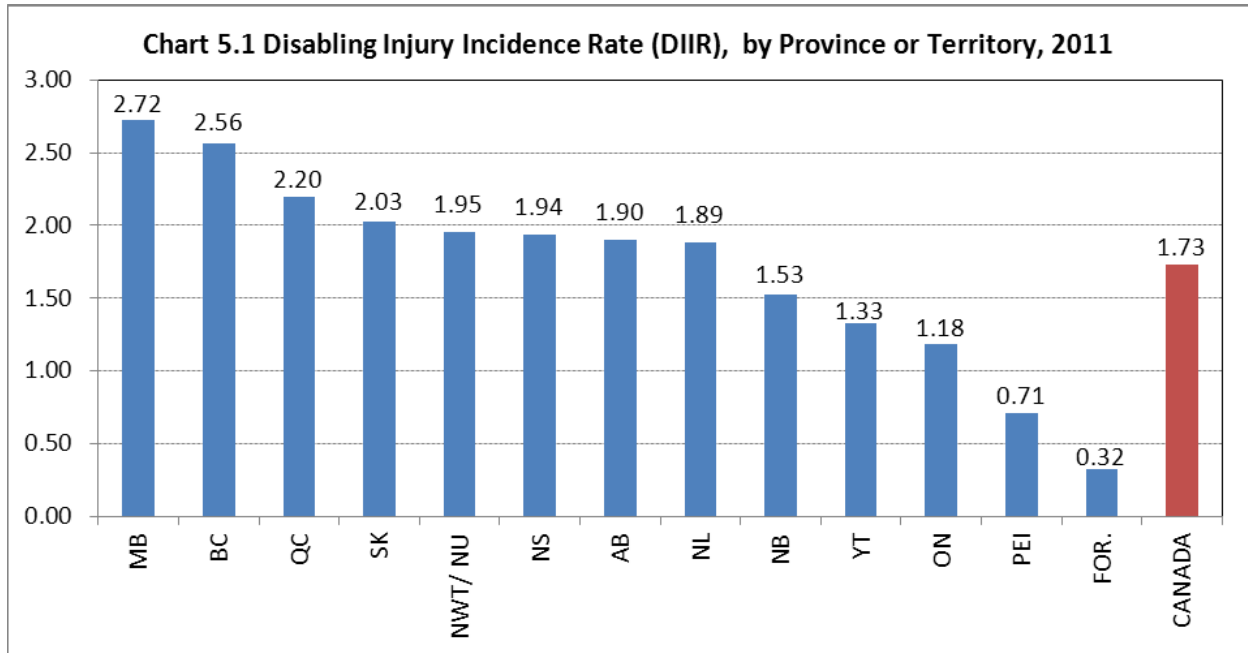
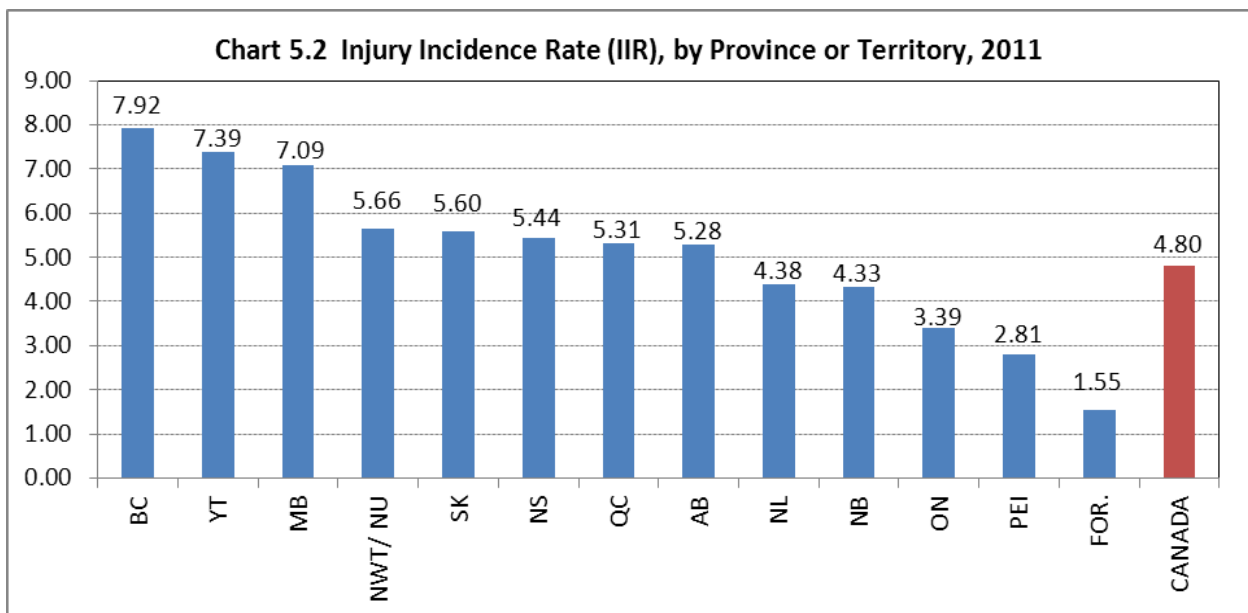


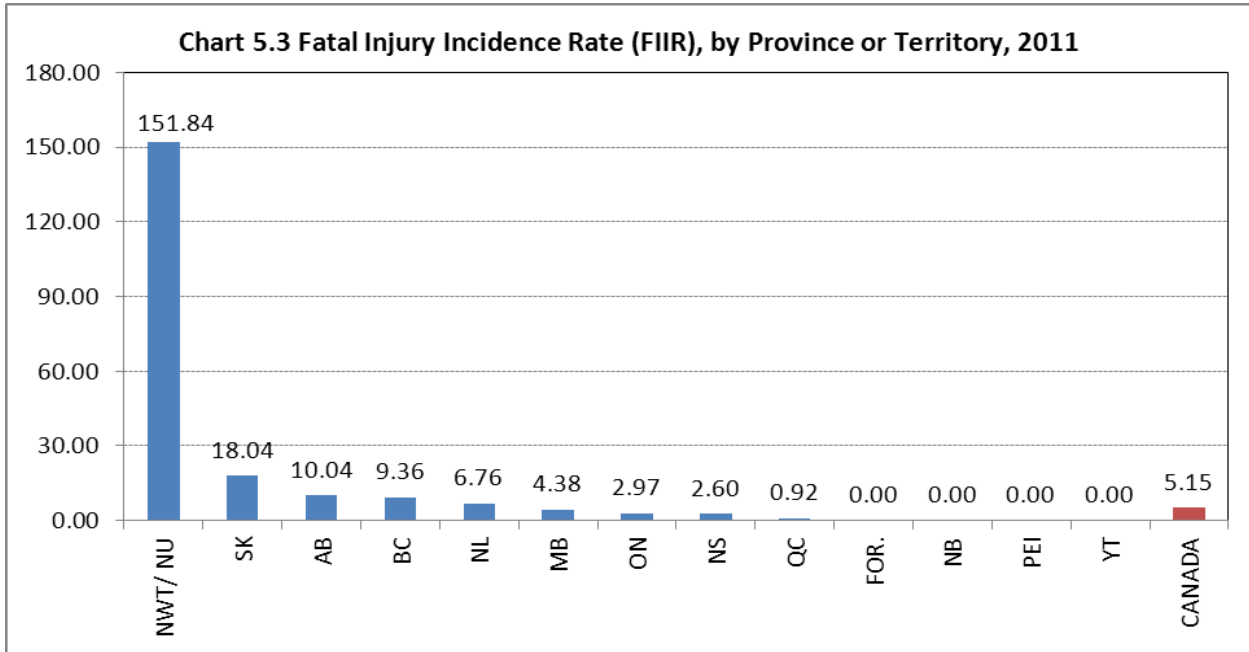
Chart 5.1 presents the 2011 DIIR values for each of the provinces and territories. There were eight provinces and territories with DIIR values that exceeded the national DIIR figure of 1.73. The top eight DIIR values for 2011 were in Manitoba (2.72), British Columbia (2.56), Quebec (2.20), Saskatchewan (2.03), Northwest Territories/ Nunavut (1.95) Nova Scotia (1.94), Alberta (1.90), and Newfoundland (1.89). Reporting lower DIIR values than the national rate in 2011 were Prince Edward Island (0.71), Ontario (1.18), Yukon (1.33), and New Brunswick (1.53). Canadian federal jurisdiction employees who worked outside of the country in 2011 accounted for the lowest Disabling Injury Incidence Rate of 0.32.



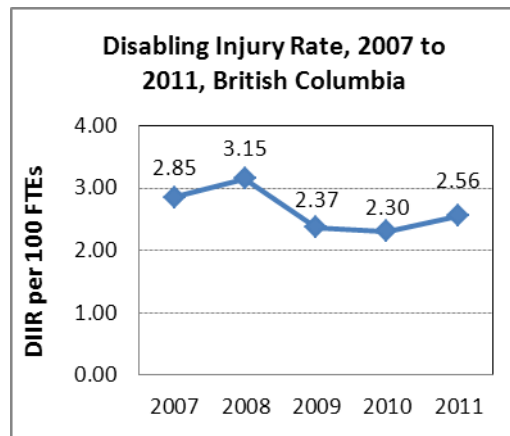
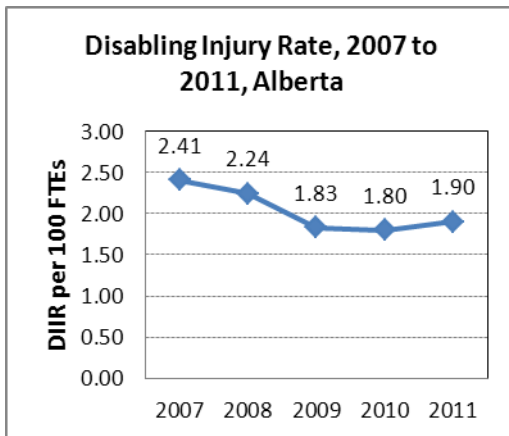
As **Chart 5.2** illustrates, Injury Incidence Rates (IIR) were above the national average IIR of 4.80 in eight provinces and territories. They were British Columbia (7.92), Yukon (7.39), Manitoba (7.09), Northwest Territories/ Nunavut (5.66), Saskatchewan (5.60), Nova Scotia (5.44), Quebec (5.31), and Alberta (5.28). The lowest IIR values were seen in Newfoundland (4.38), New Brunswick (4.33), Ontario (3.39), Prince Edward Island (2.81), and Foreign (1.55), which were all below the national rate.

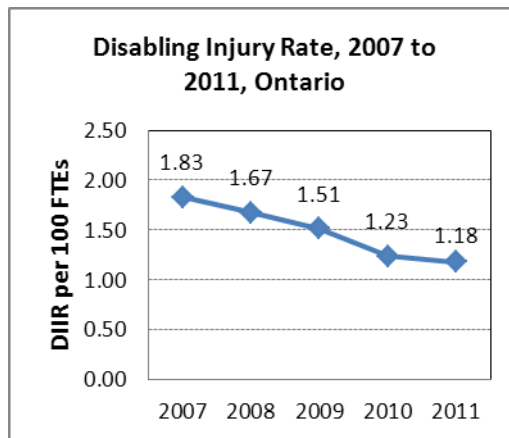
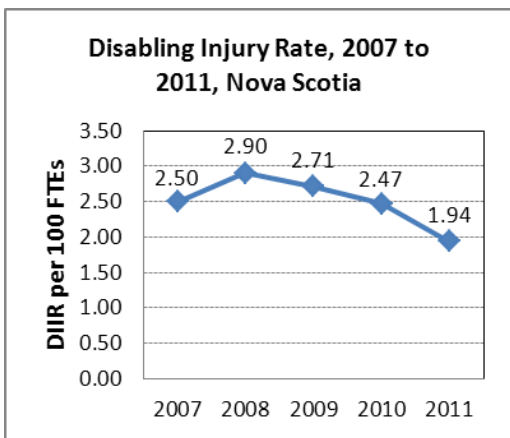
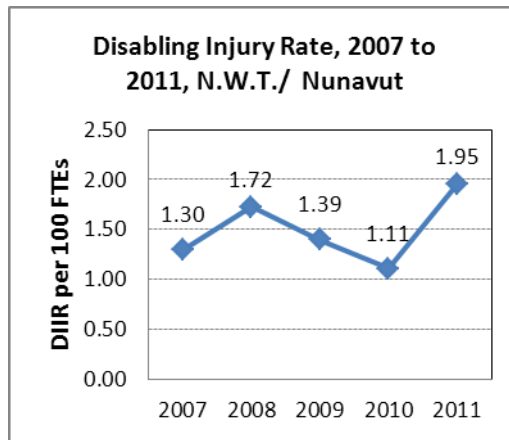
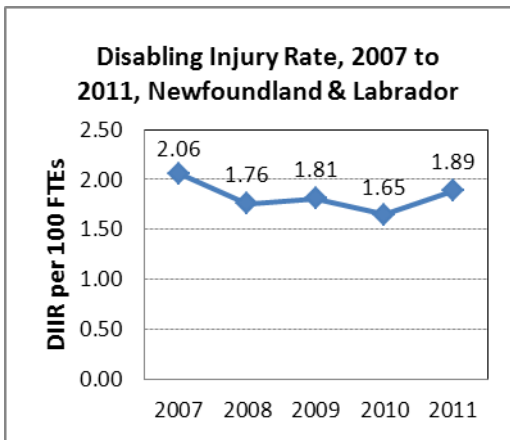
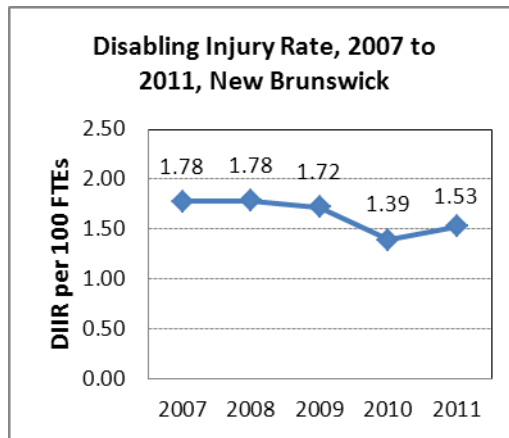
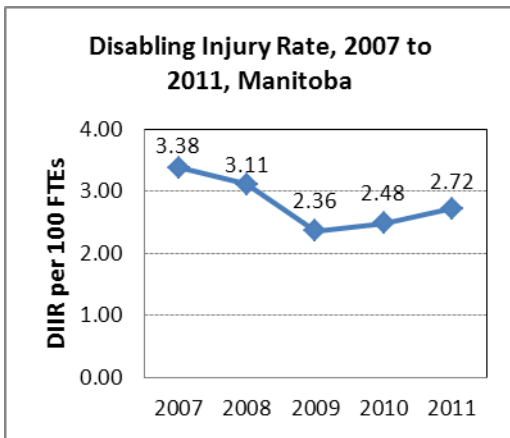


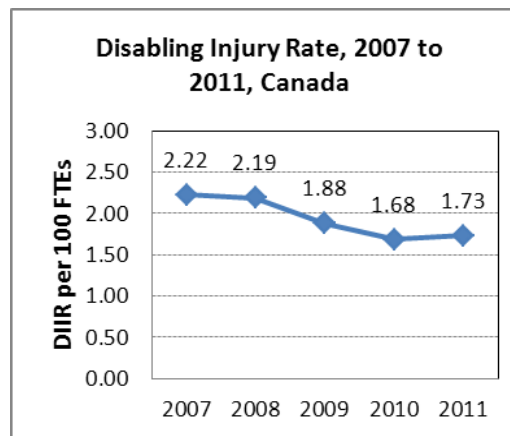
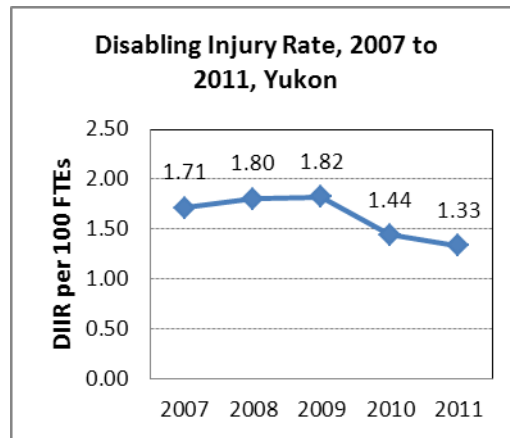
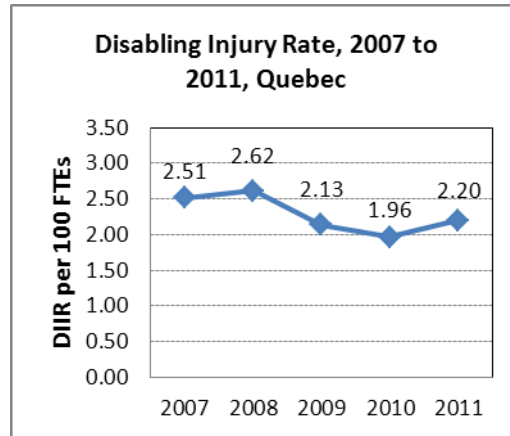
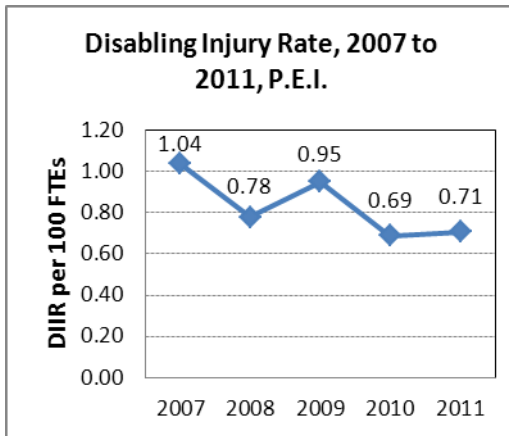
As demonstrated in **Chart 5.3**, the highest Fatal Injury Incidence Rate in 2011 was in the Northwest Territories/ Nunavut (with a FIIR of 151.84). While the Northwest Territories/Nunavut accounted for 7 of the 60 fatalities under federal jurisdiction in 2011, the smaller FTE employment magnifies the FIIR relative to most other territories and provinces. All seven fatalities in the Northwest Territories/Nunavut were on-board air transport incidents. Compared to the national rate of 5.15, there were four other provinces with a FIIR above the average - Saskatchewan (18.04), Alberta (10.04), British Columbia (9.36) and Newfoundland (6.76). There were no work-related fatalities in 2011 among federal jurisdiction employees in New Brunswick, Yukon, Prince Edward Island, or foreign worksites.



The following 14 charts present the disabling injury incidence rates for each of the provinces and territories, (including foreign employers), as well as the rates for the entire federal jurisdiction in Canada for the calendar years 2007 to 2011.







6. Data Tables

**Table 1:
Occupational Injuries and Rates in Industries under Federal Jurisdiction by
Industry Sector, Canada, 2007 to 2011 ⁽¹⁾**

Industry	Year	Operational Activity	Injuries				Employment in FTEs		Total Hours Worked	Injury Rates		Fatality Rate
			Disabling	Fatal	Minor	Total	Total	Office		DIIR ⁽²⁾	IIR ⁽³⁾	FIIR ⁽⁴⁾
Aboriginal	2011		149	0	538	687	20,442	10,764	33,923,924	0.73	3.36	0.00
	2010		107	1	466	574	19,045	9,901	32,543,476	0.57	3.01	5.25
	2009		92	1	278	371	14,432	7,573	23,148,561	0.64	2.57	6.93
	2008		14	0	31	45	975	507	2,132,454	1.44	4.62	0.00
Air Transport	2011	Off-board	2,994	0	5,948	8,942	64,298	33,155	122,092,109	4.66	13.91	0.00
		On-board	484	10	2,623	3,117	21,925	0	28,263,468	2.25	14.22	45.61
		Total	3,478	10	8,571	12,059	86,223	33,155	150,355,577	4.05	13.99	11.60
	2010	Off-board	2,558	1	4,382	6,941	63,323	32,167	118,815,515	4.04	10.96	1.58
		On-board	611	6	1,910	2,527	22,653	0	24,445,266	2.72	11.16	26.49
		Total	3,169	7	6,292	9,468	85,976	32,167	143,260,781	3.69	11.01	8.14
	2009	Off-board	3,062	3	5,934	8,999	68,647	19,913	132,495,428	4.46	13.11	4.37
		On-board	510	4	2,050	2,564	22,070	0	20,390,360	2.33	11.62	18.12
		Total	3,572	7	7,984	11,563	90,717	19,913	152,885,788	3.95	12.75	7.72
	2008	Off-board	3,500	4	5,961	9,465	73,215	21,611	148,776,008	4.79	12.93	5.46
		On-board	568	3	2,168	2,739	18,612	0	26,369,798	3.07	14.72	16.12
		Total	4,068	7	8,129	12,204	91,827	21,611	175,145,806	4.44	13.29	7.62
	2007	Off-board	3,267	4	6,288	9,559	62,977	20,884	123,368,088	5.19	15.18	6.35
		On-board	595	5	1,981	2,581	21,391	0	21,676,530	2.80	12.07	23.37
		Total	3,862	9	8,269	12,140	84,368	20,884	145,044,618	4.59	14.39	10.67
Banking	2011		416	2	1,094	1,512	228,715	224,386	454,071,479	0.18	0.66	0.87
	2010		393	0	881	1,274	231,085	226,222	402,193,147	0.17	0.55	0.00
	2009		389	0	1,011	1,400	204,712	199,847	377,302,400	0.19	0.68	0.00
	2008		398	0	1,173	1,571	220,330	216,961	377,617,072	0.18	0.71	0.00
	2007		372	2	957	1,331	200,957	195,207	351,434,993	0.19	0.66	1.00
Bridges and Tunnels	2011		4	0	19	23	295	86	549,941	1.36	7.80	0.00
	2010		1	0	16	17	324	85	711,714	0.31	5.25	0.00
	2009		2	0	14	16	319	89	504,866	0.63	5.02	0.00
	2008		3	0	21	24	304	70	544,863	0.99	7.89	0.00
	2007		2	0	49	51	437	81	776,919	0.46	11.67	0.00
Broadcasting	2011		441	0	877	1,318	57,771	40,531	90,980,963	0.76	2.28	0.00
	2010		243	1	660	904	57,893	46,844	74,258,759	0.42	1.56	1.73
	2009		349	1	641	991	42,576	32,718	80,534,930	0.82	2.33	2.35
	2008		364	1	572	937	36,325	22,409	65,134,518	1.00	2.58	2.75
	2007		509	3	746	1,258	35,183	21,279	64,881,818	1.46	3.58	8.53

Table 1:
Occupational Injuries and Rates in Industries under Federal Jurisdiction by
Industry Sector, Canada, 2007 to 2011 ⁽¹⁾

Industry	Year	Operational Activity	Injuries				Employment in FTEs		Total Hours Worked	Injury Rates		Fatality Rate
			Disabling	Fatal	Minor	Total	Total	Office		DIIR ⁽²⁾	IIR ⁽³⁾	FIIR ⁽⁴⁾
Communications	2011		603	3	915	1,521	77,112	61,853	146,955,086	0.79	1.97	3.89
	2010		624	0	818	1,442	82,549	62,070	155,601,115	0.76	1.75	0.00
	2009		633	0	1,178	1,811	82,807	65,524	154,871,916	0.76	2.19	0.00
	2008		827	2	1,046	1,875	78,438	60,556	155,765,029	1.06	2.39	2.55
	2007		792	0	1,236	2,028	96,500	80,320	182,139,333	0.82	2.10	0.00
Crown Corporations	2011		261	0	512	773	35,140	21,982	74,972,449	0.74	2.20	0.00
	2010		214	0	648	862	31,957	18,825	57,193,410	0.67	2.70	0.00
	2009		247	0	551	798	32,833	20,460	60,527,789	0.75	2.43	0.00
	2008		298	2	607	907	33,327	20,489	62,801,242	0.90	2.72	6.00
	2007		336	0	684	1,020	30,979	20,025	58,713,117	1.08	3.29	0.00
Energy and Mining	2011		19	0	113	132	1,300	563	2,397,727	1.46	10.15	0.00
	2010		8	0	132	140	1,229	391	2,259,156	0.65	11.39	0.00
	2009		3	1	151	155	1,955	308	3,490,206	0.20	7.93	51.15
	2008		3	0	131	134	1,629	375	2,825,539	0.18	8.23	0.00
	2007		7	0	130	137	852	291	1,704,313	0.82	16.08	0.00
Feed, Flour and Seed	2011		128	1	558	687	7,310	1,948	13,292,232	1.76	9.40	13.68
	2010		171	0	519	690	7,367	1,959	13,997,533	2.32	9.37	0.00
	2009		200	0	516	716	7,135	1,758	13,734,951	2.80	10.04	0.00
	2008		260	0	695	955	8,007	2,104	16,646,288	3.25	11.93	0.00
	2007		190	0	492	682	6,697	1,639	12,966,497	2.84	10.18	0.00
Grain Elevators	2011		90	2	218	310	7,184	3,020	14,349,843	1.28	4.32	27.84
	2010		138	0	156	294	7,068	3,063	14,549,152	1.95	4.16	0.00
	2009		99	0	216	315	6,038	2,533	11,786,577	1.64	5.22	0.00
	2008		139	0	216	355	6,140	2,461	11,879,433	2.26	5.78	0.00
	2007		137	0	242	379	6,677	2,919	12,846,890	2.05	5.68	0.00
Long shoring	2011		268	0	1,078	1,346	4,412	829	9,436,372	6.07	30.51	0.00
	2010		252	3	1,114	1,369	4,467	1,057	9,652,675	5.71	30.65	67.16
	2009		113	1	518	632	2,534	642	5,790,164	4.50	24.94	39.46
	2008		269	0	780	1,049	4,083	947	8,267,951	6.59	25.69	0.00
	2007		197	0	488	685	3,441	783	6,432,771	5.73	19.91	0.00
Pipelines	2011		10	0	69	79	5,430	4,057	9,175,340	0.18	1.45	0.00
	2010		9	0	24	33	5,598	4,269	10,258,656	0.16	0.59	0.00
	2009		4	0	12	16	2,112	1,518	3,604,277	0.19	0.76	0.00
	2008		11	1	13	25	3,662	2,208	6,590,472	0.33	0.68	27.31
	2007		6	0	25	31	2,101	1,327	4,038,637	0.29	1.48	0.00

Table 1:
Occupational Injuries and Rates in Industries under Federal Jurisdiction by
Industry Sector, Canada, 2007 to 2011 ⁽¹⁾

Industry	Year	Operational Activity	Injuries				Employment in FTEs		Total Hours Worked	Injury Rates		Fatality Rate
			Disabling	Fatal	Minor	Total	Total	Office		DIIR ⁽²⁾	IIR ⁽³⁾	FIIR ⁽⁴⁾
Postal Contractors	2011		2,852	0	4,586	7,438	58,344	4,489	258,043,343	4.89	12.75	0.00
	2010		3,008	0	3,128	6,136	60,124	4,543	86,780,055	5.00	10.21	0.00
	2009		3,481	1	3,168	6,650	61,842	4,910	89,027,963	5.63	10.75	1.62
	2008		4,470	3	3,691	8,164	62,251	5,345	93,403,948	7.19	13.11	4.82
	2007		4,327	1	3,965	8,293	58,353	6,481	95,532,354	7.42	14.21	1.71
Public Service Departments	2011		3,315	4	7,147	10,466	348,655	230,041	622,725,242	0.95	3.00	1.15
	2010		3,263	7	7,803	11,073	311,686	230,833	610,496,631	1.05	3.55	2.25
	2009		3,054	3	7,768	10,825	306,828	225,766	607,962,815	1.00	3.53	0.98
	2008		2,844	2	7,763	10,609	298,957	220,244	602,088,167	0.95	3.55	0.67
	2007		2,885	5	7,339	10,229	276,636	198,299	515,556,108	1.04	3.70	1.81
Rail Transport	2011	Off-board	457	1	598	1,056	29,559	12,886	59,060,323	1.55	3.57	3.38
		On-board	413	0	595	1,008	19,153	0	38,322,983	2.16	5.26	0.00
		Total	870	1	1,193	2,064	48,712	12,886	97,383,306	1.79	4.24	2.05
	2010	Off-board	442	0	448	890	30,961	6,808	61,635,636	1.43	2.87	0.00
		On-board	382	1	558	941	14,766	0	29,301,014	2.59	6.37	6.77
		Total	824	1	1,006	1,831	45,727	6,808	90,936,650	1.80	4.00	2.19
	2009	Off-board	445	0	1,338	1,783	26,166	1,262	60,019,946	1.70	6.81	0.00
		On-board	354	0	931	1,285	14,594	0	30,729,126	2.43	8.80	0.00
		Total	799	0	2,269	3,068	40,760	1,262	90,749,072	1.96	7.53	0.00
	2008	Off-board	241	1	641	883	12,925	1,211	25,710,377	1.87	6.83	7.74
		On-board	232	1	680	913	5,781	0	11,520,015	4.03	15.79	17.30
		Total	473	2	1,321	1,796	18,706	1,211	37,230,392	2.54	9.60	10.69
	2007	Off-board	211	1	642	854	11,748	1,448	21,732,510	1.80	7.27	8.51
		On-board	163	1	556	720	3,767	0	7,394,429	4.35	19.11	26.55
		Total	374	2	1,198	1,574	15,515	1,448	29,126,939	2.42	10.15	12.89
Road Transport	2011		6,556	36	7,215	13,807	162,500	34,418	302,498,099	4.06	8.50	22.15
	2010		5,785	19	7,405	13,209	158,317	33,552	311,169,211	3.67	8.34	12.00
	2009		6,087	30	6,880	12,997	140,952	31,561	279,211,622	4.34	9.22	21.28
	2008		7,776	28	9,097	16,901	166,237	38,368	342,474,280	4.69	10.17	16.84
	2007		7,951	41	10,764	18,756	182,037	42,536	362,508,044	4.39	10.30	22.52

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Occupational Injuries and Rates in Industries under Federal Jurisdiction by
Industry Sector, Canada, 2007 to 2011 ⁽¹⁾

Industry	Year	Operational Activity	Injuries				Employment in FTEs		Total Hours Worked	Injury Rates		Fatality Rate
			Disabling	Fatal	Minor	Total	Total	Office		DIIR ⁽²⁾	IIR ⁽³⁾	FIIR ⁽⁴⁾
Water Transport	2011	Off-board	332	0	559	891	8,688	3,265	16,528,431	3.82	10.26	0.00
		On-board	349	1	475	825	7,605	0	15,869,478	4.60	10.85	13.15
		Total	681	1	1,034	1,716	16,293	3,265	32,397,909	4.19	10.53	6.14
	2010	Off-board	484	1	822	1307	11,824	3,649	21,869,923	4.10	11.05	8.46
		On-board	263	0	629	892	7,241	0	14,176,548	3.63	12.32	0.00
		Total	747	1	1,451	2,199	19,065	3,649	36,046,471	3.92	11.53	5.25
	2009	Off-board	318	0	751	1069	8,253	2,604	14,867,589	3.85	12.95	0.00
		On-board	295	3	429	727	6,212	0	12,498,848	4.80	11.70	48.29
		Total	613	3	1,180	1,796	14,465	2,604	27,366,437	4.26	12.42	20.74
	2008	Off-board	328	1	959	1288	9,173	3,642	15,708,989	3.59	14.04	10.90
		On-board	336	1	649	986	7,882	0	16,184,291	4.28	12.51	12.69
		Total	664	2	1,608	2,274	17,055	3,642	31,893,280	3.91	13.33	11.73
CANADA	2007	Off-board	400	0	1,073	1473	10,079	3,456	18,038,235	3.97	14.61	0.00
		On-board	253	2	806	1061	8,037	0	14,752,116	3.17	13.20	24.88
		Total	653	2	1,879	2,534	18,116	3,456	32,790,351	3.62	13.99	11.04
	2011		20,141	60	35,737	55,938	1,165,838	688,273	2,313,508,833	1.73	4.80	5.15
	2010		18,956	40	32,519	51,515	1,129,477	686,238	2,051,908,592	1.68	4.56	3.54

- (1) Data provided by federal jurisdiction employers on their Employer's Annual Hazardous Occurrence Report (EAHOR). This table includes data from both the off-board and on-board reports from the transportation industries.
- (2) Disabling Injury Incidence Rate (DIIR) is the number of disabling and fatal occupational injuries per 100 employees (expressed as full-time equivalents or FTEs).
- (3) Injury Incidence Rate (IIR) is a measure of all occupational injuries (disabling, fatal and minor) per 100 employees (expressed as full-time equivalents or FTEs).
- (4) Fatal Injury Incidence Rate (FIIR) is the number of fatal occupational injuries per 100,000 employees (expressed as full-time equivalents or FTEs)

**Table 2:
Occupational Injuries and Rates in Industries under Federal Jurisdiction
by Province or Territory, (Including Foreign Worksites), 2007 to 2011 ⁽¹⁾**

Province	Year	Injuries				Employment in FTEs		Total Hours Worked	Injury Rates		Fatality Rate
		Disabling	Fatal	Minor	Total	Total	Office		DIIR ⁽³⁾	IIR ⁽⁴⁾	
Alberta	2011	2,256	12	4,046	6,314	119,544	52,288	229,476,903	1.90	5.28	10.04
	2010	2,053	4	3,768	5,825	114,239	55,937	213,517,469	1.80	5.10	3.50
	2009	2,088	9	4,800	6,897	114,590	49,742	208,930,867	1.83	6.02	7.85
	2008	2,195	8	3,999	6,202	98,215	49,815	180,664,264	2.24	6.31	8.15
	2007	2,414	12	4,085	6,511	100,870	52,755	188,565,119	2.41	6.45	11.90
British Columbia	2011	3,541	13	7,446	11,000	138,855	63,044	231,679,997	2.56	7.92	9.36
	2010	2,932	10	6,080	9,022	127,773	61,285	231,369,224	2.30	7.06	7.83
	2009	2,893	4	6,121	9,018	122,343	58,971	230,438,480	2.37	7.37	3.27
	2008	3,689	7	6,346	10,042	117,237	57,994	223,736,774	3.15	8.57	5.97
	2007	3,178	2	5,970	9,150	111,564	60,172	202,690,473	2.85	8.20	1.79
Manitoba	2011	1,240	2	1,995	3,237	45,627	25,610	87,196,023	2.72	7.09	4.38
	2010	1,185	1	1,862	3,048	47,790	23,456	91,716,464	2.48	6.38	2.09
	2009	999	2	1,636	2,637	42,398	21,635	79,706,025	2.36	6.22	4.72
	2008	1,444	2	2,297	3,743	46,514	21,839	89,524,963	3.11	8.05	4.30
	2007	1,534	6	2,324	3,864	45,611	20,539	85,617,513	3.38	8.47	13.15
New Brunswick	2011	428	0	786	1,214	28,050	15,025	50,569,154	1.53	4.33	0.00
	2010	370	3	840	1,213	26,787	14,363	49,049,559	1.39	4.53	11.20
	2009	458	4	861	1,323	26,915	14,885	49,579,795	1.72	4.92	14.86
	2008	482	3	970	1,455	27,223	14,425	52,754,589	1.78	5.34	11.02
	2007	463	3	861	1,327	26,249	13,302	49,473,825	1.78	5.06	11.43
Newfoundland and Labrador	2011	278	1	369	648	14,799	6,939	27,221,995	1.89	4.38	6.76
	2010	241	2	401	644	14,747	7,034	27,030,571	1.65	4.37	13.56
	2009	239	6	450	695	13,556	6,580	25,002,647	1.81	5.13	44.26
	2008	239	0	557	796	13,601	7,129	26,444,323	1.76	5.85	0.00
	2007	277	0	498	775	13,452	6,492	25,127,799	2.06	5.76	0.00
N.W.T./ Nunavut	2011	83	7	171	261	4,610	2,136	8,563,430	1.95	5.66	151.84
	2010	56	1	183	240	5,141	2,238	9,148,396	1.11	4.67	19.45
	2009	74	1	199	274	5,379	1,973	9,539,284	1.39	5.09	18.59
	2008	81	0	215	296	4,699	1,723	8,179,824	1.72	6.30	0.00
	2007	63	4	153	220	5,168	1,964	8,793,333	1.30	4.26	77.40

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Occupational Injuries and Rates in Industries under Federal Jurisdiction
by Province or Territory, (Including Foreign Worksites), 2007 to 2011 ⁽¹⁾

Province	Year	Injuries				Employment in FTEs		Total Hours Worked	Injury Rates		Fatality Rate
		Disabling	Fatal	Minor	Total	Total	Office		DIIR ⁽³⁾	IIR ⁽⁴⁾	
Nova Scotia	2011	745	1	1,349	2,095	38,510	19,001	73,012,354	1.94	5.44	2.60
	2010	866	0	1,303	2,169	35,085	16,049	63,337,634	2.47	6.18	0.00
	2009	900	4	1,216	2,120	33,322	15,855	61,214,461	2.71	6.36	12.00
	2008	994	1	1,501	2,496	34,331	16,575	64,526,471	2.90	7.27	2.91
	2007	1,000	0	1,567	2,567	40,070	19,482	73,112,188	2.50	6.41	0.00
Ontario	2010	6,124	9	10,794	16,927	496,863	350,446	873,241,228	1.23	3.41	1.81
	2009	6,716	8	11,955	18,679	444,163	300,044	850,003,242	1.51	4.21	1.80
	2008	7,665	17	12,531	20,213	459,799	305,279	876,388,454	1.67	4.40	3.70
	2007	7,924	18	14,193	22,135	434,558	284,548	797,830,984	1.83	5.09	4.14
	2011	31	0	92	123	4,380	2,565	8,386,839	0.71	2.81	0.00
P.E.I.	2010	42	0	141	183	6,092	4,000	11,011,735	0.69	3.00	0.00
	2009	42	1	74	117	4,520	2,621	8,077,101	0.95	2.59	22.12
	2008	49	0	113	162	6,301	4,334	11,973,124	0.78	2.57	0.00
	2007	59	0	95	154	5,689	3,796	10,633,804	1.04	2.71	0.00
	2011	4,762	2	6,738	11,502	216,772	130,492	392,190,974	2.20	5.31	0.92
Quebec	2010	4,071	8	5,740	9,819	207,968	127,130	392,187,551	1.96	4.72	3.85
	2009	4,245	6	5,542	9,793	199,321	121,964	371,813,355	2.13	4.91	3.01
	2008	5,133	10	6,726	11,869	196,588	117,946	366,589,238	2.62	6.04	5.09
	2007	4,842	15	7,096	11,953	193,137	112,435	353,346,771	2.51	6.19	7.77
	2011	780	7	1,386	2,173	38,800	17,843	84,590,546	2.03	5.60	18.04
Saskatchewan	2010	974	1	1,292	2,267	37,347	16,758	71,102,765	2.61	6.07	2.68
	2009	1,047	3	1,324	2,374	37,044	17,248	69,807,962	2.83	6.41	8.10
	2008	867	0	1,528	2,395	35,064	15,434	75,212,339	2.47	6.83	0.00
	2007	820	4	1,534	2,358	34,348	14,988	65,719,993	2.40	6.87	11.65
	2011	20	0	91	111	1,503	832	2,890,533	1.33	7.39	0.00
Yukon	2010	21	1	60	82	1,528	778	2,659,826	1.44	5.37	65.47
	2009	28	0	70	98	1,535	745	2,692,132	1.82	6.39	0.00
	2008	19	2	48	69	1,164	567	2,074,190	1.80	5.93	171.82
	2007	16	1	38	55	992	460	1,891,072	1.71	5.54	100.81
	2011	28	0	106	134	8,661	6,916	187,620,420	0.32	1.55	0.00

Table 2:
Occupational Injuries and Rates in Industries under Federal Jurisdiction
by Province or Territory, (Including Foreign Worksites), 2007 to 2011 ⁽¹⁾

Province	Year	Injuries				Employment in FTEs		Total Hours Worked	Injury Rates		Fatality Rate
		Disabling	Fatal	Minor	Total	Total	Office		DIIR ⁽³⁾	IIR ⁽⁴⁾	
Foreign ⁽²⁾	2010	21	0	55	76	8,117	6,766	16,536,170	0.26	0.94	0.00
	2009	8	0	87	95	7,933	6,726	15,694,982	0.10	1.20	0.00
	2008	24	0	63	87	7,517	6,448	14,372,181	0.32	1.16	0.00
	2007	10	0	49	59	7,141	6,042	13,690,828	0.14	0.83	0.00
	2011	20,141	60	35,737	55,938	1,165,838	688,273	2,313,508,833	1.73	4.80	5.15
CANADA	2010	18,956	40	32,519	51,515	1,129,477	686,238	2,051,908,592	1.68	4.56	3.54
	2009	19,737	48	34,335	54,120	1,053,017	618,986	1,982,500,334	1.88	5.14	4.56
	2008	22,881	50	36,894	59,825	1,048,253	619,508	1,992,440,734	2.19	5.71	4.77
	2007	22,600	65	38,463	61,128	1,018,849	596,975	1,876,493,702	2.22	6.00	6.38
	2010	6,124	9	10,794	16,927	496,863	350,446	873,241,228	1.23	3.41	1.81

- (1) Data provided by federal jurisdiction employers on their *Employer's Annual Hazardous Occurrence Report* (EAHOR). This table includes data from both off-board and on-board reports from the transportation industries.
- (2) Refers to occupational injuries and rates reported for worksites in industries under federal jurisdiction that are located outside Canada
- (3) Disabling Injury Incidence Rate (DIIR) is the number of disabling and fatal occupational injuries per 100 employees (expressed as full-time equivalents or FTEs).
- (4) Injury Incidence Rate (IIR) is a measure of all occupational injuries (disabling, fatal and minor) per 100 employees (expressed as full-time equivalents or FTEs).
- (5) Fatal Injury Incidence Rate (FIIR) is the number of fatal occupational injuries per 100,000 employees (expressed as full-time equivalents or FTEs).

Occupational Injuries Amongst Canadian Federal Jurisdiction Employers, 2007 to 2011

**Table 3:
Actual and Percentage Change of Occupational Injuries and Rates,
in Industries under Canadian Federal Jurisdiction, 2007 to 2011**

Industry	Changes in FTEs				Changes in DIIR				Changes in IIR				Changes in FIIR			
	2007*	2011	Actual Change	% Change	2007	2011	Actual Change	% Change	2007	2011	Actual Change	% Change	2007	2011	Actual Change	% Change
Aboriginal*	975	20,442	19,467	1,997%	1.44	0.73	-0.71	-49%	4.62	3.36	-1.25	-27%	0.00	0.00	0.00	No Change
Air Transport	84,368	86,223	1,855	2%	4.59	4.05	-0.54	-12%	14.39	13.99	-0.40	-3%	10.67	11.60	0.93	8.7%
Banking	200,957	228,715	27,758	14%	0.19	0.18	0.00	-2%	0.66	0.66	0.00	0%	1.00	0.87	-0.12	-12.1%
Bridges and Tunnels	437	295	-142	-32%	0.46	1.36	0.90	196%	11.67	7.80	-3.87	-33%	0.00	0.00	0.00	No Change
Broadcasting	35,183	57,771	22,588	64%	1.46	0.76	-0.69	-48%	3.58	2.28	-1.29	-36%	8.53	0.00	-8.53	-100.0%
Communications	96,500	77,112	-19,388	-20%	0.82	0.79	-0.03	-4%	2.10	1.97	-0.13	-6%	0.00	3.89	3.89	Increased from 0.00 to 3.89
Crown Corporations	30,979	35,140	4,161	13%	1.08	0.74	-0.34	-32%	3.29	2.20	-1.09	-33%	0.00	0.00	0.00	No Change
Energy and Mining	852	1,300	448	53%	0.82	1.46	0.64	78%	16.08	10.15	-5.93	-37%	0.00	0.00	0.00	No Change
Feed, Flour, Seed	6,697	7,310	613	9%	2.84	1.76	-1.07	-38%	10.18	9.40	-0.79	-8%	0.00	13.68	13.68	Increased from 0.00 to 13.68
Grain Elevators	6,677	7,184	507	8%	2.05	1.28	-0.77	-38%	5.68	4.32	-1.36	-24%	0.00	27.84	27.84	Increased from 0.00 to 27.84
Long shoring	3,441	4,412	971	28%	5.73	6.07	0.35	6%	19.91	30.51	10.60	53%	0.00	0.00	0.00	No Change
Pipelines	2,101	5,430	3,329	158%	0.29	0.18	-0.10	-36%	1.48	1.45	-0.02	-1%	0.00	0.00	0.00	No Change
Postal contractors	58,353	58,344	-9	0%	7.42	4.89	-2.53	-34%	14.21	12.75	-1.46	-10%	1.71	0.00	-1.71	-100.0%
Public Service Departments	276,636	348,655	72,019	26%	1.04	0.95	-0.09	-9%	3.70	3.00	-0.70	-19%	1.81	1.15	-0.66	-36.5%
Rail Transport	15,515	48,712	33,197	214%	2.42	1.79	-0.64	-26%	10.15	4.24	-5.91	-58%	12.89	2.05	-10.84	-84.1%
Road Transport	182,037	162,500	-19,537	-11%	4.39	4.06	-0.33	-8%	10.30	8.50	-1.81	-18%	22.52	22.15	-0.37	-1.6%
Water Transport	18,116	16,293	-1,823	-10%	3.62	4.19	0.57	16%	13.99	10.53	-3.46	-25%	11.04	6.14	-4.90	-44.4%
Canada	1,018,849	1,165,838	146,989	14%	2.22	1.73	-0.49	-22%	6.00	4.80	-1.20	-20%	6.38	5.15	-1.23	-19.3%

* Aboriginal commences in 2008

**Table 4:
Actual and Percentage Change of Occupational Injuries and Rates,
in Canadian Federal Jurisdiction industries, by Province,
Territory or Foreign Worksites, 2007 to 2011**

Industry	Changes in FTEs				Changes in DIIR				Changes in IIR				Changes in FIIR			
	2007	2011	Actual Change	% Change	2007	2011	Actual Change	% Change	2007	2011	Actual Change	% Change	2007	2011	Actual Change	% Change
Alberta	100,870	119,544	18,674	19%	2.41	1.90	-0.51	-21%	6.45	5.28	-1.17	-18%	11.90	10.04	-1.86	-16%
British Columbia	111,564	138,855	27,291	24%	2.85	2.56	-0.29	-10%	8.20	7.92	-0.28	-3%	1.79	9.36	7.57	422%
Manitoba	45,611	45,627	16	0%	3.38	2.72	-0.65	-19%	8.47	7.09	-1.38	-16%	13.15	4.38	-8.77	-67%
New Brunswick	26,249	28,050	1,801	7%	1.78	1.53	-0.25	-14%	5.06	4.33	-0.73	-14%	11.43	0.00	-11.43	-100%
Newfoundland and Labrador	13,452	14,799	1,347	10%	2.06	1.89	-0.17	-8%	5.76	4.38	-1.38	-24%	0.00	6.76	6.76	Increased from 0.00 to 6.76
N.W.T./ Nunavut	5,168	4,610	-558	-11%	1.30	1.95	0.66	51%	4.26	5.66	1.40	33%	77.40	151.84	74.44	96%
Nova Scotia	40,070	38,510	-1,560	-4%	2.50	1.94	-0.56	-22%	6.41	5.44	-0.97	-15%	0.00	2.60	2.60	Increased from 0.00 to 2.6
Ontario	434,558	505,730	71,172	16%	1.83	1.18	-0.65	-35%	5.09	3.39	-1.71	-34%	4.14	2.97	-1.18	-28%
P.E.I.	5,689	4,380	-1,309	-23%	1.04	0.71	-0.33	-32%	2.71	2.81	0.10	4%	0.00	0.00	0.00	No Change
Quebec	193,137	216,772	23,635	12%	2.51	2.20	-0.32	-13%	6.19	5.31	-0.88	-14%	7.77	0.92	-6.84	-88%
Saskatchewan	34,348	38,800	4,452	13%	2.40	2.03	-0.37	-15%	6.87	5.60	-1.26	-18%	11.65	18.04	6.40	55%
Yukon	992	1,503	511	51%	1.71	1.33	-0.38	-22%	5.54	7.39	1.84	33%	100.81	0.00	-100.81	-100%
Foreign	7,141	8,661	1,520	21%	0.14	0.32	0.18	131%	0.83	1.55	0.72	87%	0.00	0.00	0.00	No Change
Canada	1,018,849	1,165,838	146,989	14%	2.22	1.73	-0.49	-22%	6.00	4.80	-1.20	-20%	6.38	5.15	-1.23	-19%