

Table 1
Railway occurrence and casualty

	June			January to June		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Accidents	102	92	83	721	593	516
Main-track train collisions	0	0	1	1	2	3
Main-track train derailments - 1-2 cars*	4	5	3	34	27	24
Main-track train derailments - 3-5 cars	0	1	1	2	5	5
Main-track train derailments - 6 or more cars	3	6	3	17	23	14
Crossings	16	15	13	97	88	75
Non-main-track train collisions	9	3	7	65	55	47
Non-main-track train derailments - 1-2 cars*	27	34	29	295	232	199
Non-main-track train derailments - 3-5 cars	5	6	7	45	52	43
Non-main-track train derailments - 6 or more cars	4	1	2	17	11	16
Collisions/Derailments involving track units	3	6	3	22	19	17
Employee/Passenger	1	0	1	9	3	6
Trespassers	7	10	8	23	38	32
Fires/Explosions	19	2	3	68	15	15
Other	4	3	3	26	23	21
Incidents	18	16	19	163	151	171
Main-track train derailments - 1-2 cars* (no damage)	0	1	0	2	2	2
Non-main-track train collisions* (no derailment, no damage)	0	0	0	0	0	2
Non-main-track train derailments - 1-2 cars* (no damage)	1	3	6	50	71	67
Dangerous goods leaker**	0	0	1	0	0	12
Main-track switch in abnormal position	2	2	1	11	7	4
Movement exceeds limits of authority	14	9	9	79	57	62
Uncontrolled movement of rolling stock	1	0	1	10	4	6
Others	0	1	1	11	10	16
Million train-miles (a)				44.23	42.22	41.93
Accidents/Million train-miles				16.30	14.05	12.31
Accidents involving dangerous goods	10	7	10	105	65	65
Main-track train derailments	2	1	1	11	10	7
Crossings	0	0	0	2	5	3
Non-main-track train collisions	6	1	3	31	15	17
Non-main-track train derailments	2	4	6	58	31	36
All others	0	1	0	3	4	3
Accidents with a DG release	1	1	0	4	4	3
Accidents involving passenger trains	5	5	4	30	31	25
Accidents involving an uncontrolled movement of rolling	4	2	3	37	29	20
Fatalities	10	7	8	38	26	28
Crossings	6	2	2	18	10	8
Trespassers	4	5	6	16	16	19
All others	0	0	0	4	0	1
Serious Injuries	6	9	5	27	46	31
Crossings	2	4	2	10	21	14
Trespassers	3	5	3	7	19	11
All others	1	0	1	10	6	6

Data extracted 15 July 2019.

All 5-year averages have been rounded. The totals sometimes do not coincide to the sum of these averages.

a. Train-miles estimated. (Source: Transport Canada)

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

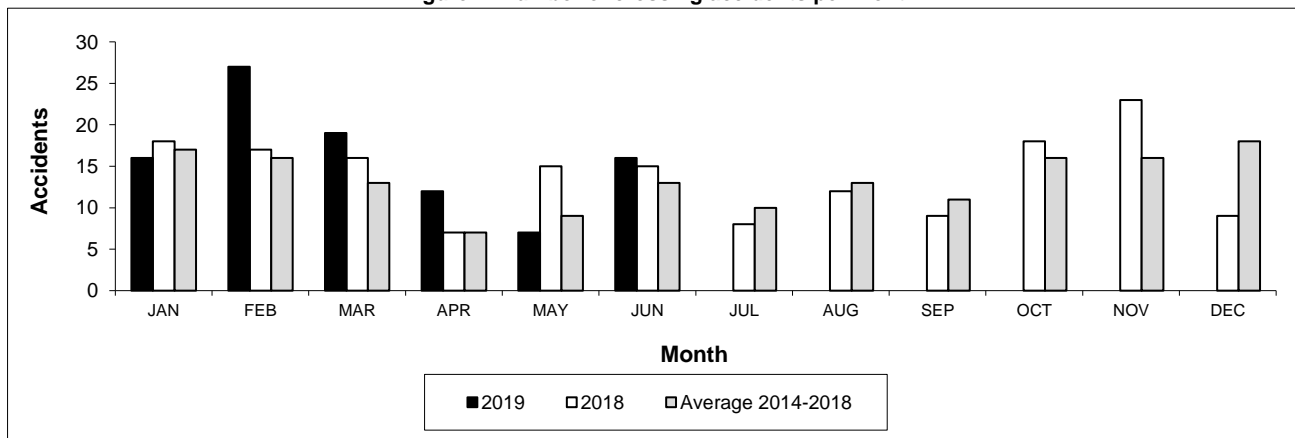
* Under new reporting requirements all derailments are reportable. The TSB has reviewed derailments and collisions back to January 1, 2014 and recategorized occurrences with minimal consequences as reportable incidents including: derailments involving 1 to 2 cars, with no equipment or track damage, no injuries, no fires, and no release of dangerous goods; Non-main-track collisions, with no equipment or track damage, no injuries, no fires, no release of dangerous goods, and did not foul the main track.

** TSB Regulations have been harmonized with Section 8.4 of the Transportation of Dangerous Goods Regulations, under which TSB DG leaker incidents are only reportable if they result in death or serious injury, evacuation, or the closure of a DG loading facility, a road, a main railway line, or a main waterway.

Table 2
Railway crossing and trespasser accidents by province

	Crossings with type recorded 2019 - Year to date*				All crossings Year to date*		Trespasser Year to date*	
	Public automated	Public passive	Private	Farm	2019	2018	2019	2018
Newfoundland								
Accidents	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	0	0	0
Nova Scotia								
Accidents	0	0	0	0	0	2	0	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	0	0	0
New Brunswick								
Accidents	0	0	1	0	1	3	0	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	0	0	0
Quebec								
Accidents	5	0	6	0	11	10	2	6
Fatalities	0	0	1	0	1	2	1	2
Serious injuries	0	0	1	0	1	4	1	4
Ontario								
Accidents	17	5	7	0	29	18	9	17
Fatalities	5	2	2	0	9	4	8	8
Serious injuries	1	0	0	0	1	3	1	6
Manitoba								
Accidents	5	6	2	0	13	10	0	1
Fatalities	1	1	0	0	2	0	0	0
Serious injuries	0	0	0	0	0	7	0	1
Saskatchewan								
Accidents	6	6	0	0	12	10	2	1
Fatalities	1	1	0	0	2	0	2	0
Serious injuries	1	1	0	0	2	1	0	1
Alberta								
Accidents	8	8	3	0	20	21	7	6
Fatalities	1	1	0	0	2	1	3	3
Serious injuries	2	1	0	0	3	2	4	3
British Columbia								
Accidents	5	2	4	0	11	14	3	7
Fatalities	2	0	0	0	2	3	2	3
Serious injuries	2	1	0	0	3	4	1	4
Northwest Territories								
Accidents	0	0	0	0	0	0	0	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	0	0	0
Canada								
Accidents	46	27	23	0	97	88	23	38
Fatalities	10	5	3	0	18	10	16	16
Serious injuries	6	3	1	0	10	21	7	19

Figure 1: Number of crossing accidents per month



Data extracted 15 July 2019.

*Year to date is from January to June.

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

Table 3
Main-track train derailment accidents and incidents by province*

	January to June			Derailments with DG involvement January to June		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Canada	55	57	44	11	10	7
Newfoundland	0	0	0	0	0	0
Nova Scotia	0	0	0	0	0	0
New Brunswick	1	0	1	0	0	1
Quebec	6	9	6	1	0	0
Ontario	14	8	10	4	1	3
Manitoba	5	4	3	3	1	0
Saskatchewan	7	7	4	1	1	0
Alberta	9	16	10	1	4	2
British Columbia	13	13	10	1	3	1
Northwest Territories	0	0	0	0	0	0

* There were 2 occurrences with dangerous goods release to date in 2019 and 1 in 2018.

Figure 1: Number of main-track train derailments per month

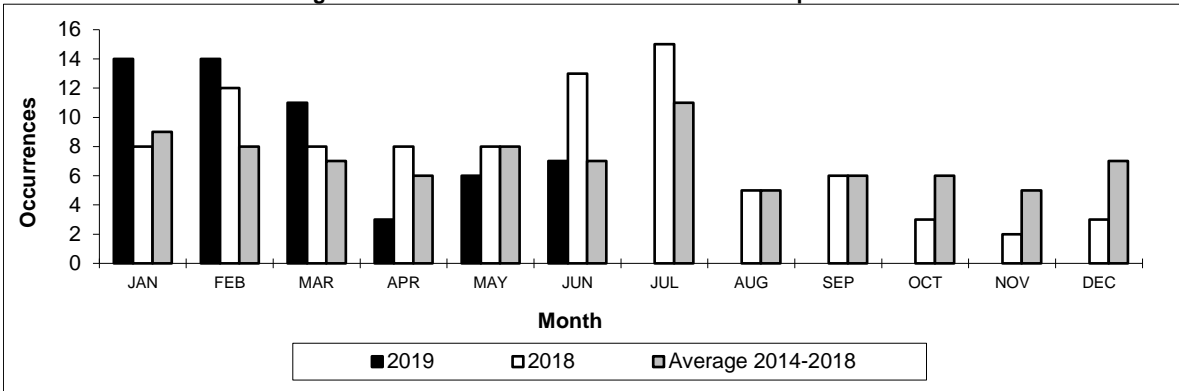
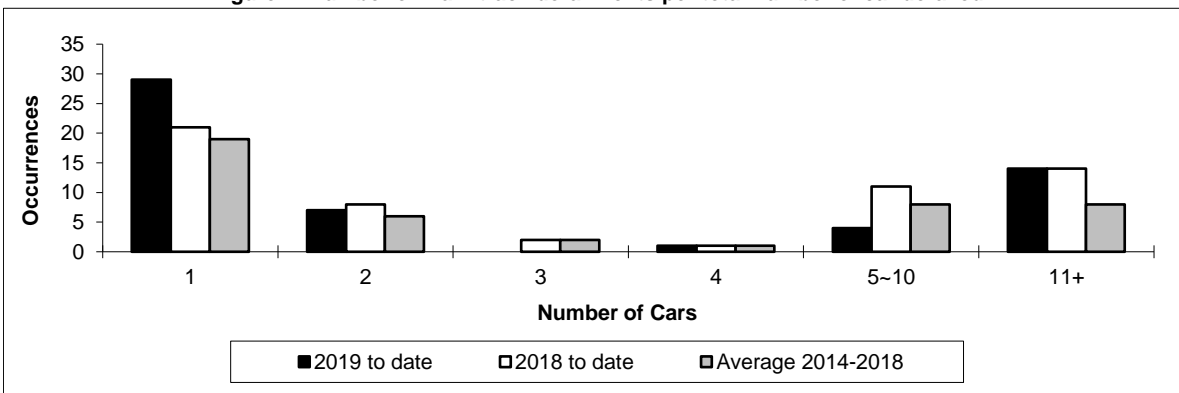


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted 15 July 2019.

Figure 1: Number of main-track train derailments per month

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

* Under new reporting requirements all derailments are reportable.

Table 4
Non main-track train collision accidents and incidents by province

	January to June			Collisions with DG involvement January to June		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Canada	65	55	48	31	15	17
Newfoundland	0	0	0	0	0	0
Nova Scotia	0	0	0	0	0	0
New Brunswick	0	1	1	0	0	0
Quebec	4	3	5	1	3	2
Ontario	15	11	10	7	2	4
Manitoba	8	3	7	4	1	3
Saskatchewan	9	8	6	3	1	1
Alberta	22	15	10	15	5	4
British Columbia	7	14	9	1	3	2
Northwest Territories	0	0	0	0	0	0

* There were no occurrences with dangerous goods release to date in 2019 or in 2018.

Figure 1: Number of non main-track train collisions per month

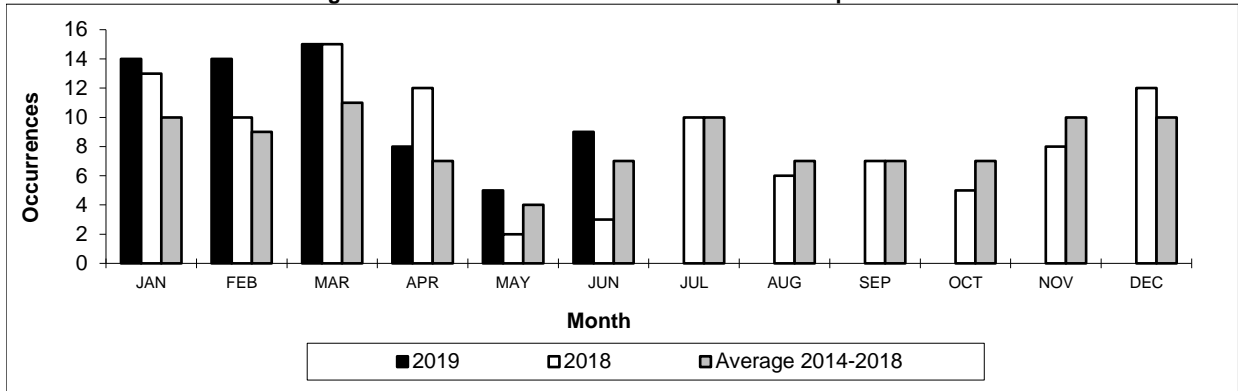
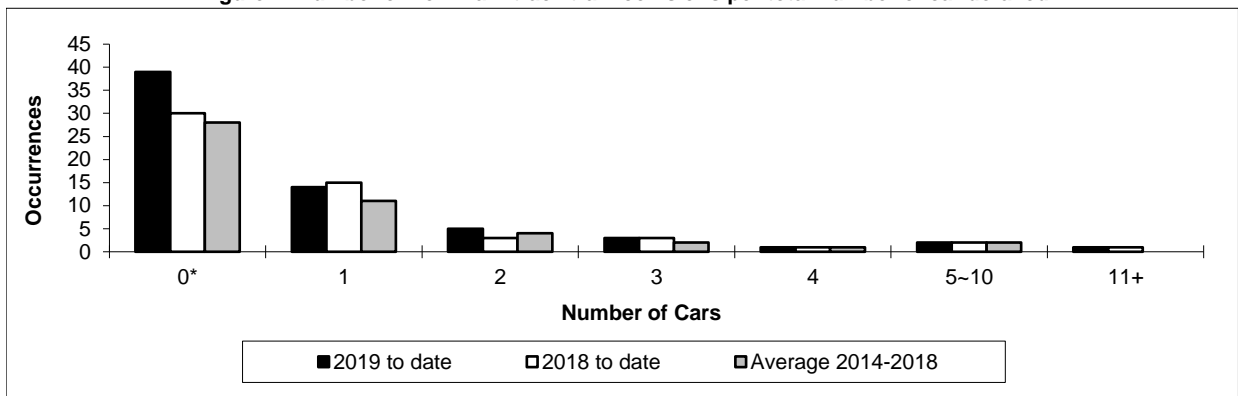


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted 15 July 2019.

* Number of collisions with no derailments.

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

Table 5
Non main-track train derailment accidents and incidents by province*

	January to June			Derailments with DG involvement January to June		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Canada	407	366	325	68	39	46
Newfoundland	6	3	4	0	0	0
Nova Scotia	2	2	3	0	1	0
New Brunswick	6	4	5	1	0	2
Quebec	107	61	51	18	9	6
Ontario	74	57	60	8	4	9
Manitoba	45	43	44	10	4	6
Saskatchewan	34	45	34	7	2	4
Alberta	73	81	66	15	13	12
British Columbia	59	70	57	8	6	6
Northwest Territories	1	0	0	1	0	0

* There were no occurrences with dangerous goods release to date in 2019 or in 2018.

Figure 1: Number of non main-track train derailments per month

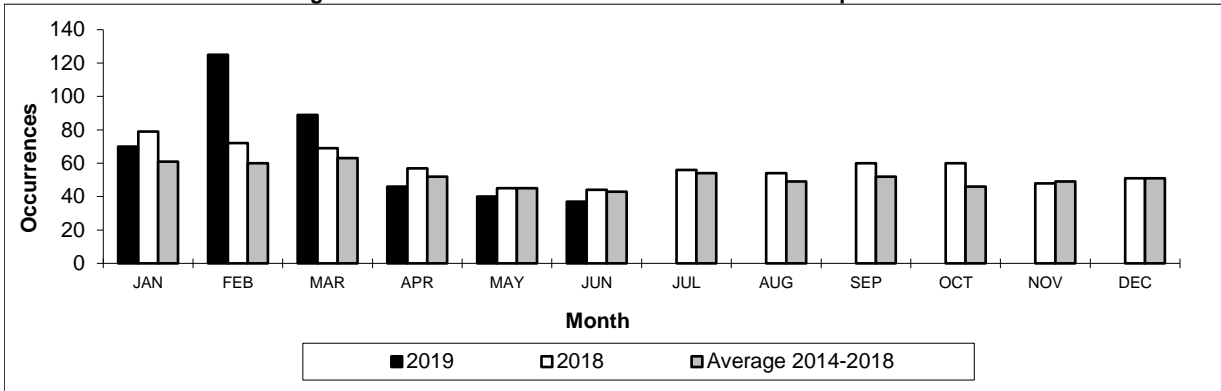
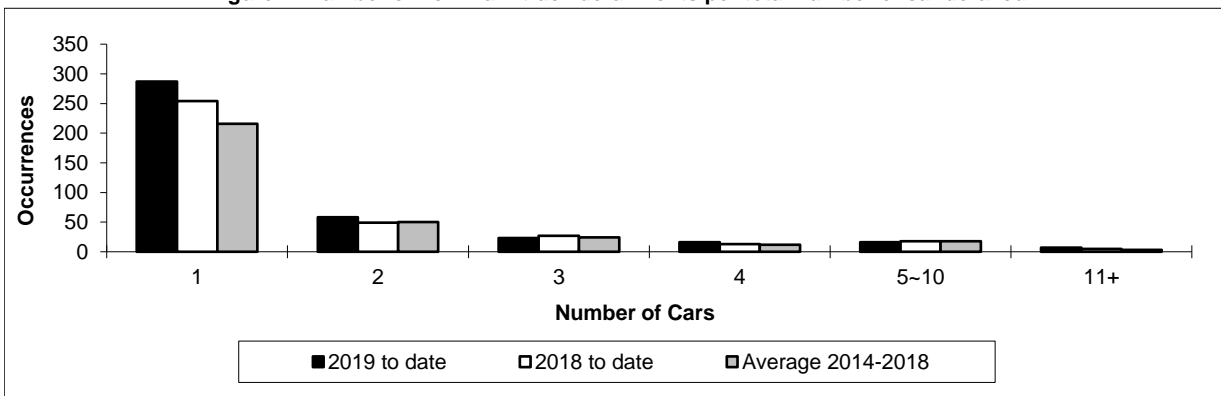


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted 15 July 2019.

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements.

* Under new reporting requirements all derailments are reportable.