

Table 1
Railway occurrence and casualty

	May			January to May		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Accidents	91	85	78	622	501	433
Main-track train collisions	0	0	0	1	2	2
Main-track train derailments - 1-2 cars*	1	4	4	30	22	20
Main-track train derailments - 3-5 cars	1	1	1	2	4	4
Main-track train derailments - 6 or more cars	4	3	3	14	17	12
Crossings	7	15	9	81	73	62
Non-main-track train collisions	5	2	4	56	52	40
Non-main-track train derailments - 1-2 cars*	26	34	28	269	198	171
Non-main-track train derailments - 3-5 cars	11	6	8	40	46	36
Non-main-track train derailments - 6 or more cars	1	2	3	13	10	13
Collisions/Derailments involving track units	6	3	3	21	13	14
Employee/Passenger	1	2	1	8	3	5
Trespassers	5	8	8	16	28	24
Fires/Explosions	20	3	3	49	13	13
Other	3	2	2	22	20	18
Incidents	19	15	23	142	135	152
Main-track train derailments - 1-2 cars* (no damage)	0	0	0	2	1	1
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	5	47	68	61
Dangerous goods leaker**	0	0	2	0	0	11
Main-track switch in abnormal position	3	0	0	9	5	4
Movement exceeds limits of authority	11	11	12	65	48	53
Uncontrolled movement of rolling stock	2	0	1	9	4	5
Others	2	1	2	10	9	15
Million train-miles (a)				36.77	35.12	35.04
Accidents/Million train-miles				16.92	14.27	12.36
Accidents involving dangerous goods	15	7	10	94	58	56
Main-track train derailments	2	3	2	9	9	6
Crossings	1	0	0	2	5	3
Non-main-track train collisions	4	1	1	25	14	14
Non-main-track train derailments	7	3	6	55	27	30
All others	1	0	0	3	3	3
Accidents with a DG release	0	1	0	3	3	2
Accidents involving passenger trains	3	7	4	25	26	20
Accidents involving an uncontrolled movement of rolling	7	4	3	33	27	17
Fatalities	5	9	6	28	19	20
Crossings	1	5	1	12	8	6
Trespassers	4	4	5	12	11	14
All others	0	0	0	4	0	0
Serious Injuries	3	10	6	21	37	26
Crossings	1	3	2	8	17	12
Trespassers	1	3	2	4	14	8
All others	1	4	1	9	6	5

Data extracted 18 June 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.

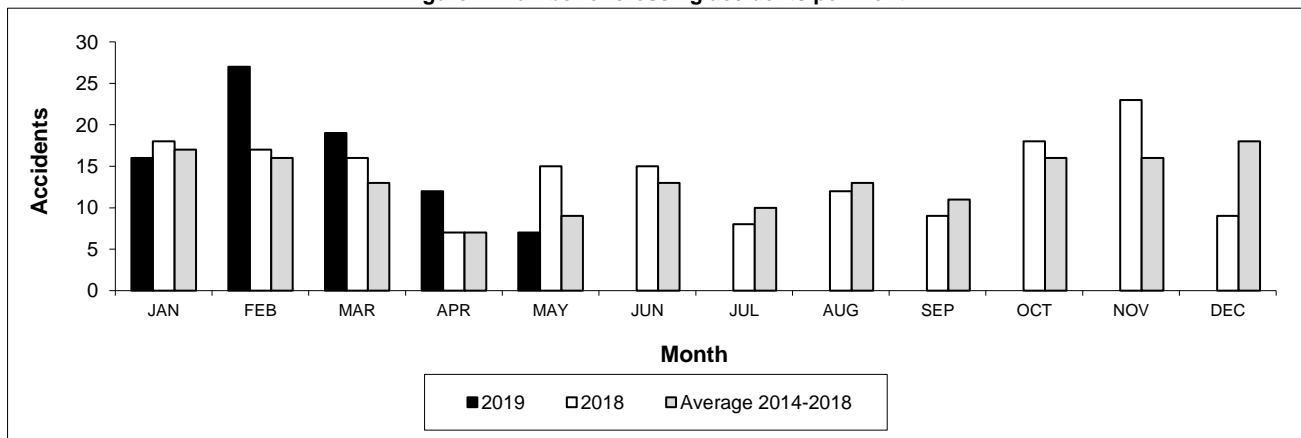
* Under new reporting requirements all derailments are reportable. The TSB has reviewed derailments and collisions back to January 1, 2014 and recategorized occurrences with minimal consequences as reportable incidents including: derailments involving 1 to 2 cars, with no equipment or track damage, no 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	1	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	2	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	4	0	9	9	2	5
Fatalities	0	0	1	0	1	2	1	2
Serious injuries	0	0	0	0	0	3	1	3
Ontario								
Accidents	16	4	7	0	27	17	8	14
Fatalities	5	0	2	0	7	4	7	6
Serious injuries	1	0	0	0	1	3	1	5
Manitoba								
Accidents	4	4	2	0	10	7	0	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	5	0	0
Saskatchewan								
Accidents	6	5	0	0	11	9	1	1
Fatalities	1	0	0	0	1	0	1	0
Serious injuries	1	1	0	0	2	1	0	1
Alberta								
Accidents	6	6	3	0	15	17	4	5
Fatalities	1	0	0	0	1	1	2	2
Serious injuries	1	1	0	0	2	1	2	3
British Columbia								
Accidents	5	2	1	0	8	11	1	3
Fatalities	2	0	0	0	2	1	1	1
Serious injuries	2	1	0	0	3	4	0	2
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	42	21	18	0	81	73	16	28
Fatalities	9	0	3	0	12	8	12	11
Serious injuries	5	3	0	0	8	17	4	14

Figure 1: Number of crossing accidents per month



Data extracted 18 June 2019.

*Year to date is from January to May.

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 May			Derailments with DG involvement January to May		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Canada	48	44	37	9	9	6
Newfoundland	0	0	0	0	0	0
Nova Scotia	0	0	0	0	0	0
New Brunswick	1	0	1	0	0	1
Quebec	5	5	5	1	0	0
Ontario	11	6	9	3	1	3
Manitoba	4	4	2	2	1	0
Saskatchewan	7	6	4	1	1	0
Alberta	9	12	7	1	3	1
British Columbia	11	11	9	1	3	1
Northwest Territories	0	0	0	0	0	0

* There was 1 occurrence with dangerous goods release to date in 2019 and none in 2018.

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

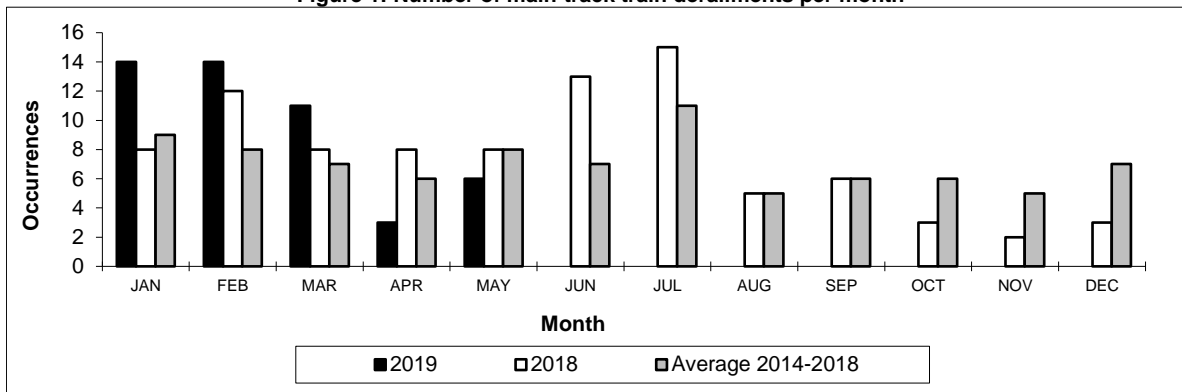
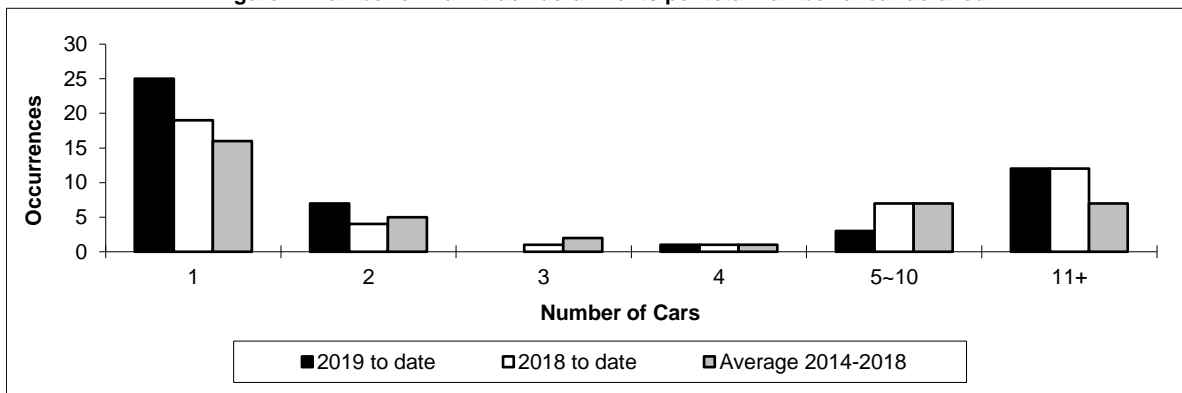


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted 18 June 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 May			Collisions with DG involvement January to May		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
	Canada	56	52	42	25	14
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	2	3	1	2	1
Ontario	11	11	9	4	2	3
Manitoba	7	3	7	3	1	3
Saskatchewan	7	7	5	3	1	1
Alberta	20	14	8	13	5	4
British Columbia	7	14	8	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

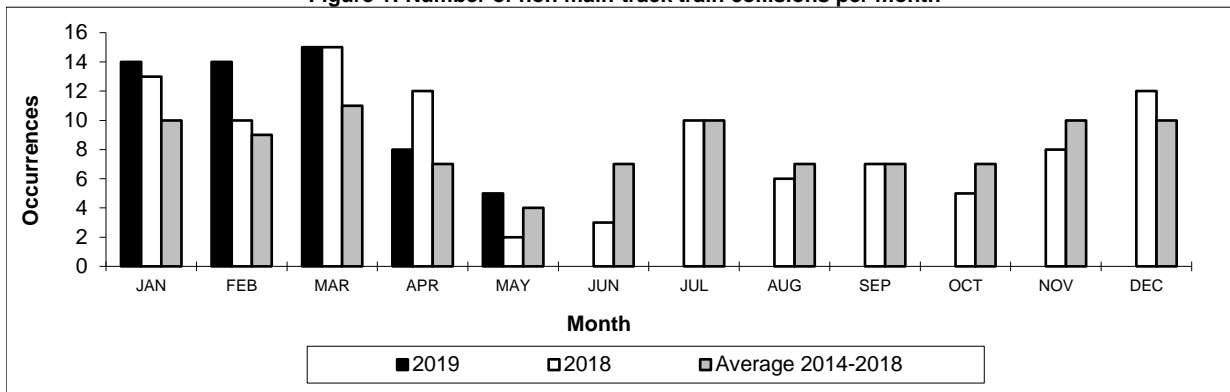
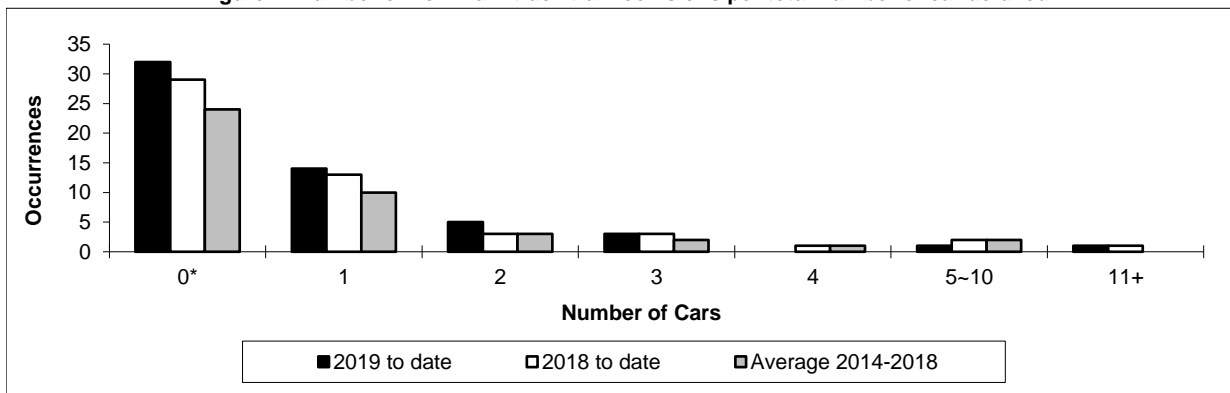


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted 18 June 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 May			Derailments with DG involvement January to May		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
	Canada	369	322	281	65	35
Newfoundland	6	3	4	0	0	0
Nova Scotia	1	2	3	0	1	0
New Brunswick	6	4	4	1	0	2
Quebec	100	55	44	17	8	5
Ontario	63	51	52	7	4	8
Manitoba	41	31	37	10	4	5
Saskatchewan	32	39	29	6	2	4
Alberta	67	70	58	15	11	11
British Columbia	52	67	51	8	5	5
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

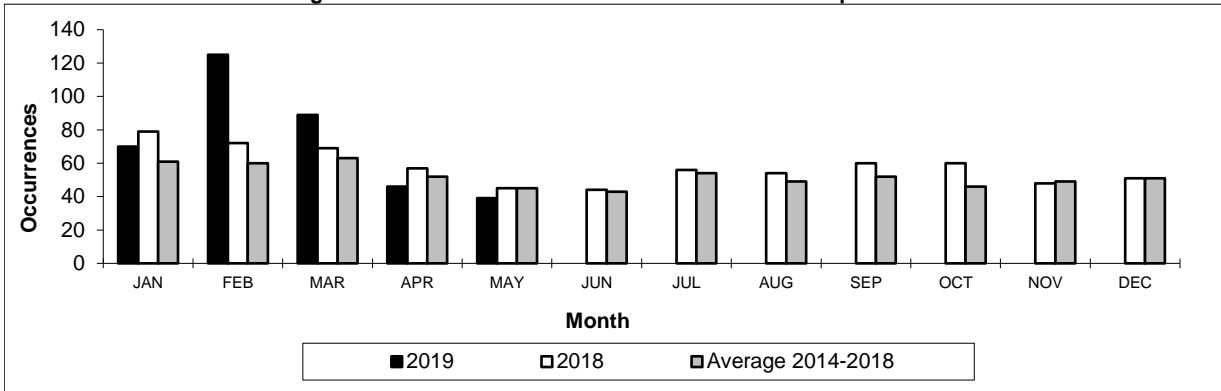
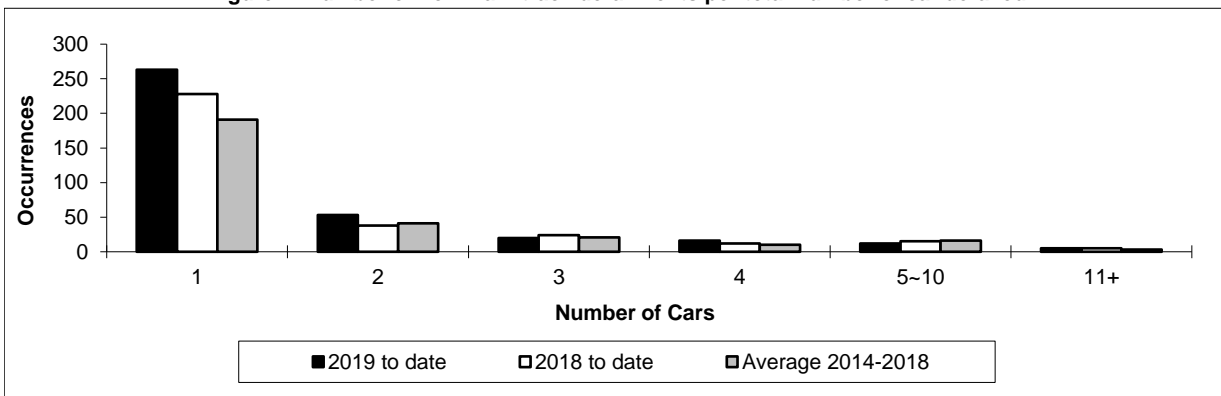


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted 18 June 2019.

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

* Under new reporting requirements all derailments are reportable.