

Table 1
Railway occurrence and casualty

	April			January to April		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Accidents	92	102	82	530	416	355
Main-track train collisions	0	1	0	1	2	2
Main-track train derailments - 1-2 cars*	2	1	3	29	18	16
Main-track train derailments - 3-5 cars	0	2	1	1	3	3
Main-track train derailments - 6 or more cars	1	5	2	10	14	8
Crossings	12	7	7	74	58	53
Non-main-track train collisions	8	12	7	51	50	36
Non-main-track train derailments - 1-2 cars*	41	41	35	243	164	142
Non-main-track train derailments - 3-5 cars	2	10	8	29	40	28
Non-main-track train derailments - 6 or more cars	1	1	4	12	8	10
Collisions/Derailments involving track units	2	2	2	14	10	10
Employee/Passenger	0	1	1	7	1	4
Trespassers	4	8	5	11	20	16
Fires/Explosions	16	4	3	29	10	9
Other	3	7	4	19	18	16
Incidents	20	21	22	123	120	129
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)	2	5	6	46	65	56
Dangerous goods leaker**	0	0	2	0	0	9
Main-track switch in abnormal position	1	1	0	6	5	3
Movement exceeds limits of authority	12	11	9	54	37	40
Uncontrolled movement of rolling stock	1	0	1	7	4	4
Others	4	4	3	8	8	13
Million train-miles (a)				29.18	27.73	27.85
Accidents/Million train-miles				18.16	15.00	12.75
Accidents involving dangerous goods	7	14	9	79	51	46
Main-track train derailments	1	1	1	7	6	5
Crossings	0	0	0	1	5	2
Non-main-track train collisions	2	5	2	21	13	13
Non-main-track train derailments	4	6	5	48	24	24
All others	0	2	1	2	3	2
Accidents with a DG release	0	1	1	3	2	2
Accidents involving passenger trains	3	8	4	22	19	16
Accidents involving an uncontrolled movement of rolling stock	5	8	3	24	23	13
Fatalities	4	4	4	23	10	14
Crossings	2	0	1	11	3	4
Trespassers	2	4	3	8	7	9
All others	0	0	0	4	0	0
Serious Injuries	5	5	3	18	27	20
Crossings	3	0	1	7	14	10
Trespassers	2	4	2	3	11	6
All others	0	1	1	8	2	4

Data extracted 15 May 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.

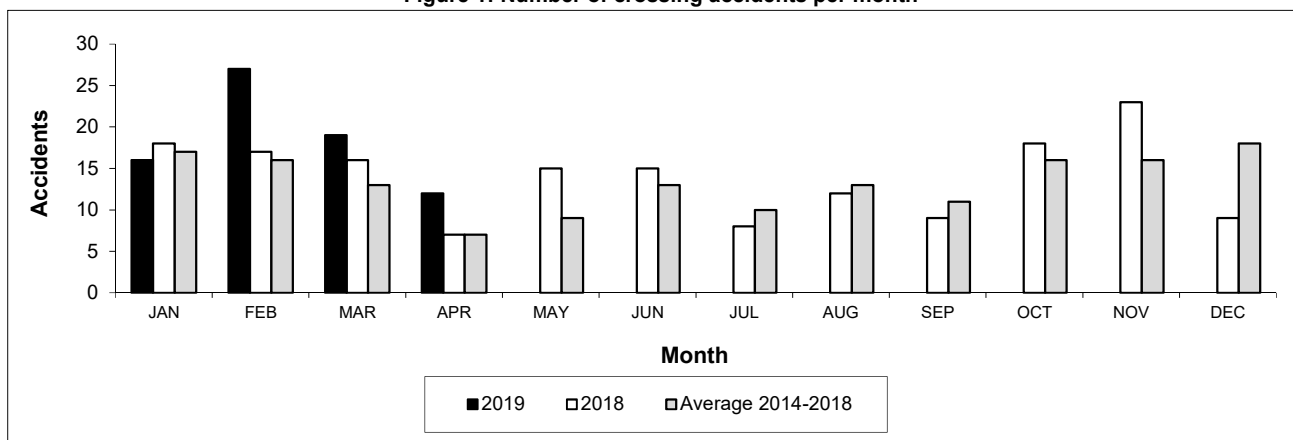
* Under new reporting requirements all derailments are reportable. The TSB has reviewed derailments and collisions back to January 1, 2014 and recategorized occurrences with minimal consequences as reportable incidents including: derailments involving 1 to 2 cars, with no equipment or track damage, no 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	1	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	7	1	4
Fatalities	0	0	1	0	1	0	0	2
Serious injuries	0	0	0	0	0	3	1	2
Ontario								
Accidents	15	3	6	0	24	13	7	10
Fatalities	4	0	2	0	6	3	7	4
Serious injuries	1	0	0	0	1	2	0	4
Manitoba								
Accidents	3	2	2	0	7	4	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	8	0	1
Fatalities	1	0	0	0	1	0	0	0
Serious injuries	1	1	0	0	2	1	0	1
Alberta								
Accidents	6	5	3	0	14	15	3	3
Fatalities	1	0	0	0	1	0	1	1
Serious injuries	1	0	0	0	1	1	2	2
British Columbia								
Accidents	5	2	1	0	8	9	0	2
Fatalities	2	0	0	0	2	0	0	0
Serious injuries	2	1	0	0	3	2	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	40	17	17	0	74	58	11	20
Fatalities	8	0	3	0	11	3	8	7
Serious injuries	5	2	0	0	7	14	3	11

Figure 1: Number of crossing accidents per month



Data extracted 15 May 2019.

*Year to date is from January to April.

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 April			Derailments with DG involvement January to April		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Canada	42	36	29	7	6	5
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	4	4	1	0	0
Ontario	9	6	7	2	1	2
Manitoba	4	3	2	2	1	0
Saskatchewan	6	5	3	0	0	0
Alberta	8	10	5	1	2	1
British Columbia	9	8	7	1	2	0
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

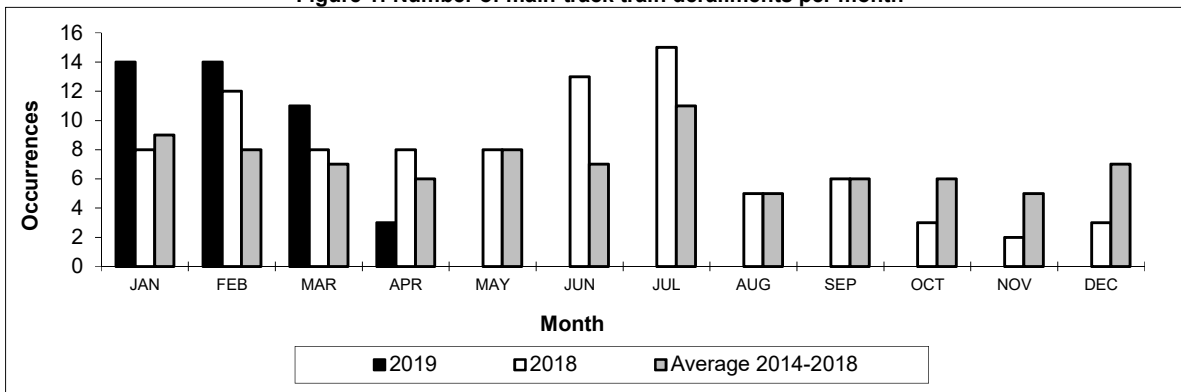
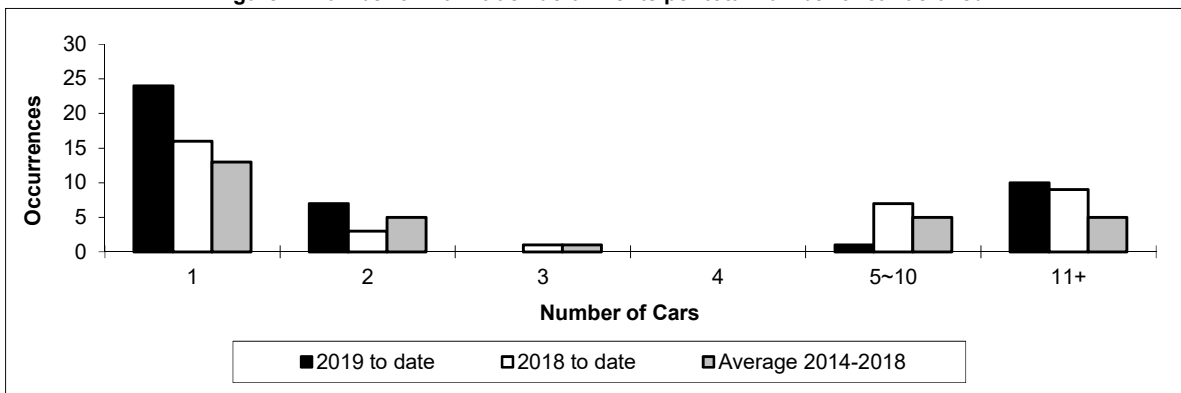


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted 15 May 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 April			Collisions with DG involvement January to April		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Canada	51	50	37	21	13	13
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	1	3	1	1	1
Ontario	11	10	7	4	2	3
Manitoba	6	3	7	2	1	3
Saskatchewan	7	7	5	3	1	1
Alberta	16	14	8	10	5	3
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

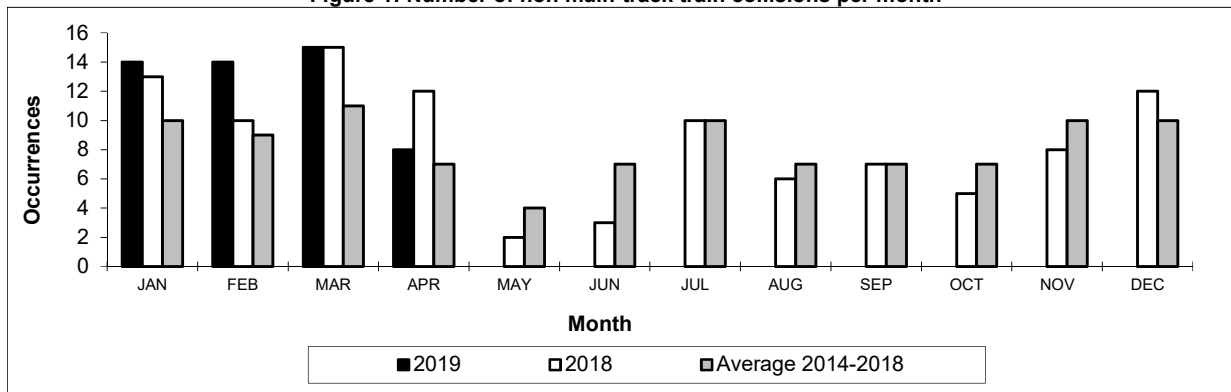
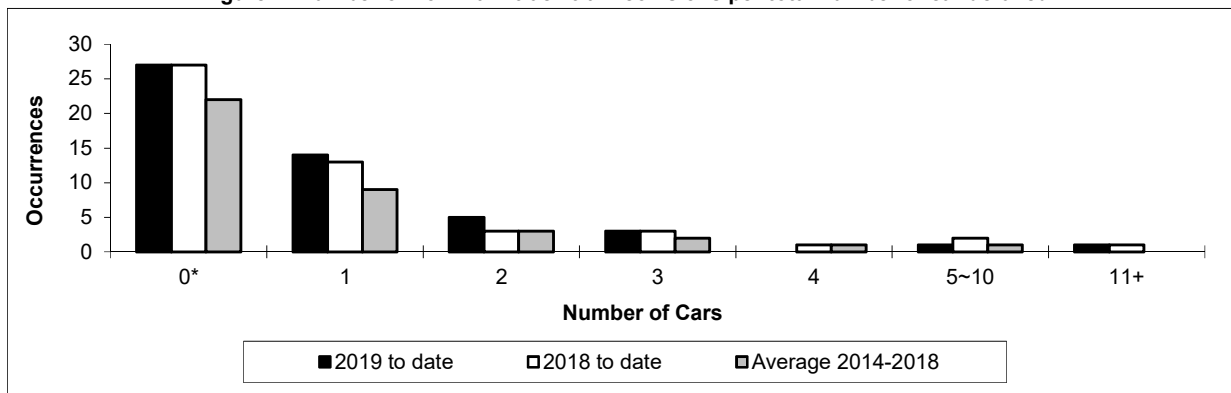


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted 15 May 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 April			Derailments with DG involvement January to April		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
	Canada	330	277	237	58	31
Newfoundland	5	3	3	0	0	0
Nova Scotia	0	2	2	0	1	0
New Brunswick	6	3	3	1	0	1
Quebec	91	49	38	15	7	4
Ontario	60	39	41	7	4	6
Manitoba	35	29	33	8	4	4
Saskatchewan	28	32	23	5	0	2
Alberta	60	65	51	13	10	10
British Columbia	44	55	42	8	5	4
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

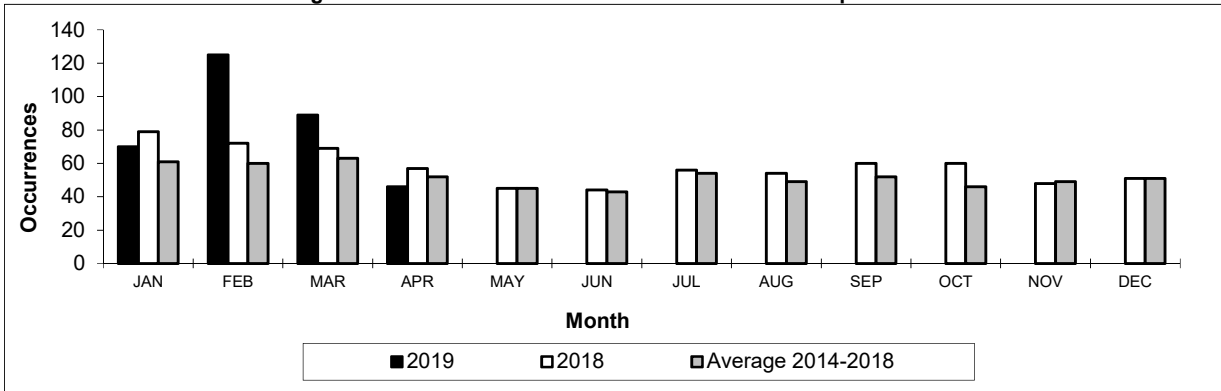
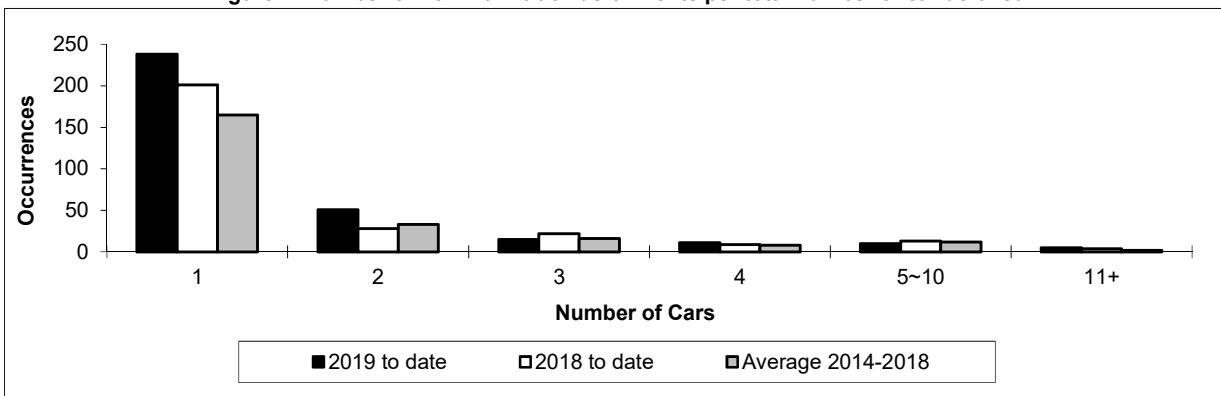


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted 15 May 2019.

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

* Under new reporting requirements all derailments are reportable.