

Table 1

Railway occurrence and casualty

	February			January to February		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Accidents	75	180	110	156	296	205
Main-track train collisions	0	0	0	0	1	1
Main-track train derailments - 1-2 cars*	3	9	5	6	17	10
Main-track train derailments - 3-5 cars	0	0	1	0	0	1
Main-track train derailments - 6 or more cars	3	3	2	4	9	5
Crossings	8	27	18	24	43	34
Non-main-track train collisions	6	14	9	14	28	21
Non-main-track train derailments - 1-2 cars*	34	97	49	68	141	85
Non-main-track train derailments - 3-5 cars	5	9	6	14	17	15
Non-main-track train derailments - 6 or more cars	1	4	3	4	7	5
Collisions/Derailments involving track units	1	2	3	1	8	6
Employee/Passenger	1	1	1	1	3	2
Trespassers	4	3	4	6	6	7
Fires/Explosions	3	3	3	4	6	4
Other	5	8	5	9	10	8
Incidents	21	35	36	47	73	68
Main-track train derailments - 1-2 cars* (no damage)	0	2	1	0	2	1
Non-main-track train collisions* (no derailment, no damage)	0	0	1	0	0	1
Non-main-track train derailments - 1-2 cars* (no damage)	3	15	17	9	30	32
Dangerous goods leaker**	0	0	0	0	0	1
Main-track switch in abnormal position	1	0	1	1	3	1
Movement exceeds limits of authority	13	14	12	29	30	24
Uncontrolled movement of rolling stock	1	1	1	3	5	3
Others	3	3	4	5	3	6
Million train-miles (a)				13.89	13.98	13.61
Accidents/Million train-miles				11.23	21.17	15.06
Accidents involving dangerous goods	10	32	16	21	51	30
Main-track train derailments	2	2	2	2	4	4
Crossings	0	0	1	0	0	1
Non-main-track train collisions	3	6	3	4	15	8
Non-main-track train derailments	4	24	10	14	31	16
All others	1	0	0	1	1	1
Accidents with a DG release	2	1	0	2	1	1
Accidents involving passenger trains	5	10	6	7	14	10
Accidents involving an uncontrolled movement of rolling	3	6	3	4	14	7
Fatalities	4	10	4	8	16	7
Crossings	1	4	1	3	8	3
Trespassers	3	3	3	5	5	4
All others	0	3	1	0	3	1
Serious Injuries	3	3	5	3	10	11
Crossings	1	1	2	1	4	6
Trespassers	1	0	1	1	1	3
All others	1	2	2	1	5	3

Data extracted 16 March 2020.

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.

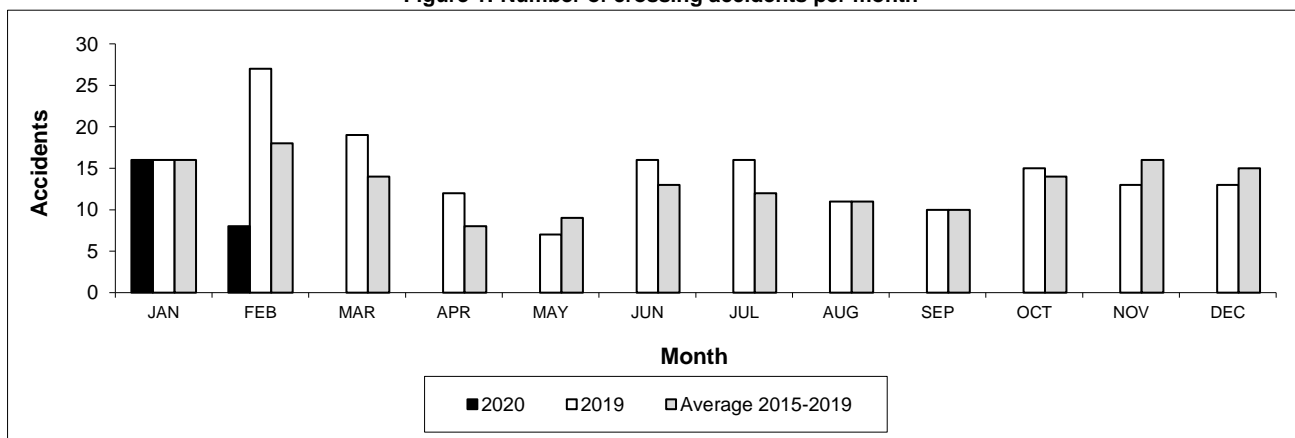
** TSB Regulations have been harmonized with Section 8.4 of the Transportation of Dangerous Goods Regulations, under which TSB DG leaker incidents are only reportable if they result in death or serious injury, evacuation, or the closure of a DG loading facility, a road, a main railway line, or a main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

Table 2

Railway crossing and trespasser accidents by province

	Crossings with type recorded 2020 - Year to date*				All crossings Year to date*		Trespasser Year to date*	
	Public automated	Public passive	Private	Farm	2020	2019	2020	2019
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	1	0	0	1	0	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	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
Quebec								
Accidents	8	0	0	0	8	5	1	0
Fatalities	2	0	0	0	2	1	1	0
Serious injuries	1	0	0	0	1	0	0	0
Ontario								
Accidents	2	0	0	0	2	14	0	5
Fatalities	0	0	0	0	0	4	0	5
Serious injuries	0	0	0	0	0	1	0	0
Manitoba								
Accidents	0	1	0	0	1	4	1	0
Fatalities	0	0	0	0	0	0	1	0
Serious injuries	0	0	0	0	0	0	0	0
Saskatchewan								
Accidents	0	1	0	0	1	6	0	0
Fatalities	0	0	0	0	0	1	0	0
Serious injuries	0	0	0	0	0	2	0	0
Alberta								
Accidents	3	5	0	0	8	8	2	1
Fatalities	0	1	0	0	1	1	2	0
Serious injuries	0	0	0	0	0	0	0	1
British Columbia								
Accidents	2	0	1	0	3	5	2	0
Fatalities	0	0	0	0	0	1	1	0
Serious injuries	0	0	0	0	0	1	1	0
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	15	8	1	0	24	43	6	6
Fatalities	2	1	0	0	3	8	5	5
Serious injuries	1	0	0	0	1	4	1	1

Figure 1: Number of crossing accidents per month



Data extracted 16 March 2020.

*Year to date is from January to February.

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 February			Derailments with DG involvement January to February		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Canada	11	28	17	2	4	4
Newfoundland	1	0	0	0	0	0
Nova Scotia	0	0	0	0	0	0
New Brunswick	0	0	0	0	0	0
Quebec	3	4	2	0	0	0
Ontario	3	6	4	1	1	2
Manitoba	0	3	2	0	2	1
Saskatchewan	1	3	2	1	0	0
Alberta	1	5	3	0	0	1
British Columbia	2	7	5	0	1	0
Northwest Territories	0	0	0	0	0	0

* There were 2 occurrences with dangerous goods release to date in 2020 and 1 in 2019.

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

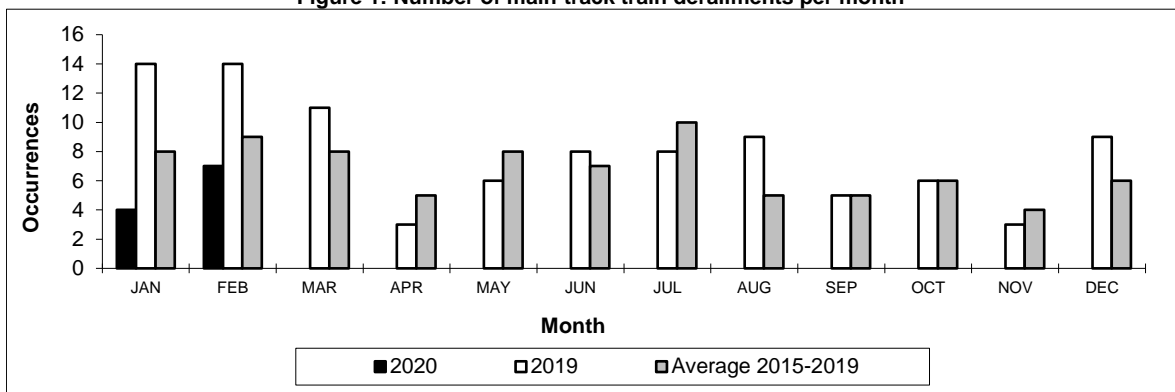
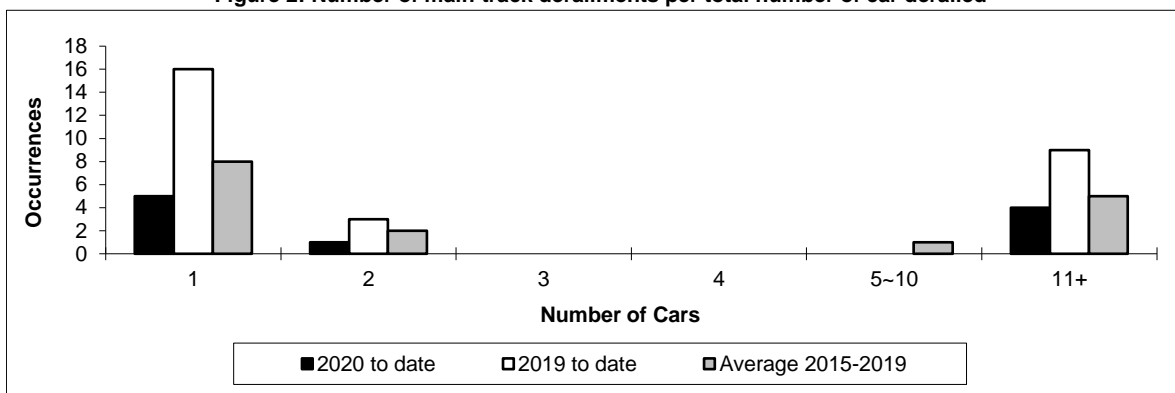


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted 16 March 2020.

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 February			Collisions with DG involvement January to February		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Canada	14	28	21	4	15	9
Newfoundland	0	0	0	0	0	0
Nova Scotia	0	0	0	0	0	0
New Brunswick	0	0	0	0	0	0
Quebec	1	2	2	0	0	1
Ontario	4	4	3	2	2	2
Manitoba	3	4	4	0	1	1
Saskatchewan	1	3	2	0	2	1
Alberta	2	12	6	0	9	3
British Columbia	3	3	4	2	1	1
Northwest Territories	0	0	0	0	0	0

* There were no occurrences with dangerous goods release to date in 2020 or in 2019.

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

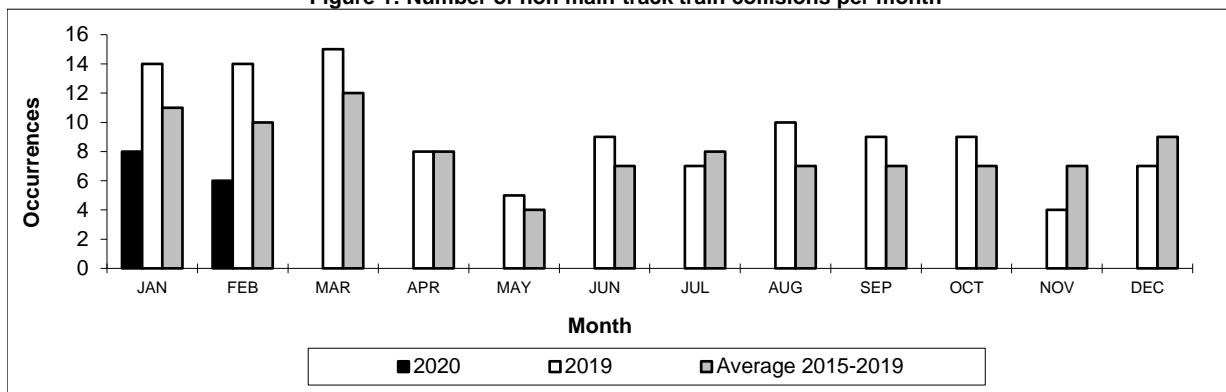
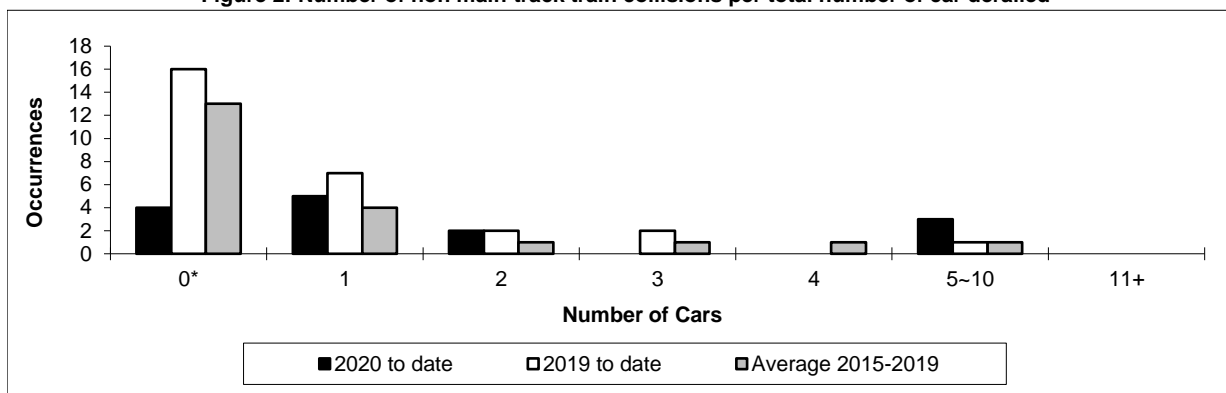


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted 16 March 2020.

* 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 February			Derailments with DG involvement January to February		
	2020	2019	2015-2019 average	2020	2019	2015-2019 average
Canada	95	195	136	14	39	21
Newfoundland	4	4	3	0	0	0
Nova Scotia	0	0	1	0	0	0
New Brunswick	1	2	2	1	0	0
Quebec	13	47	29	1	10	4
Ontario	16	30	23	3	4	4
Manitoba	5	20	17	2	5	3
Saskatchewan	8	18	12	1	4	1
Alberta	25	43	28	3	10	6
British Columbia	23	30	23	3	5	3
Northwest Territories	0	1	0	0	1	0

* There were no occurrences with dangerous goods release to date in 2020 or in 2019.

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

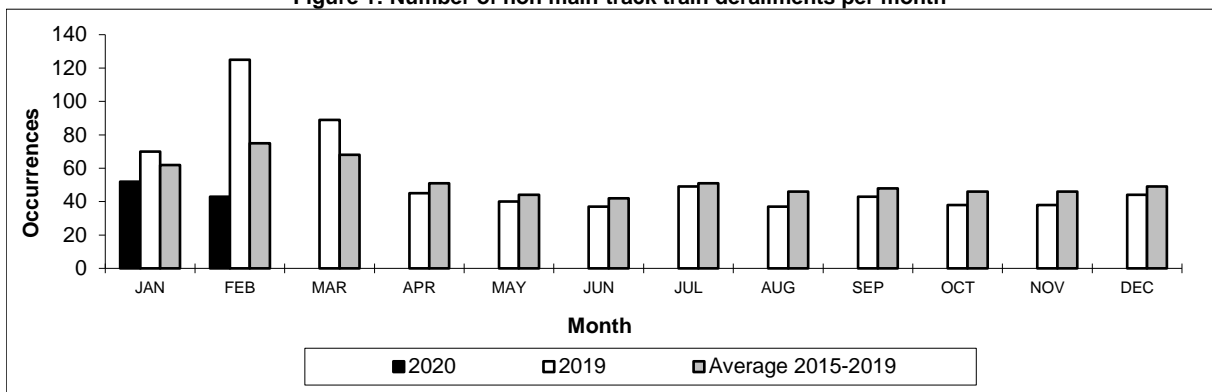
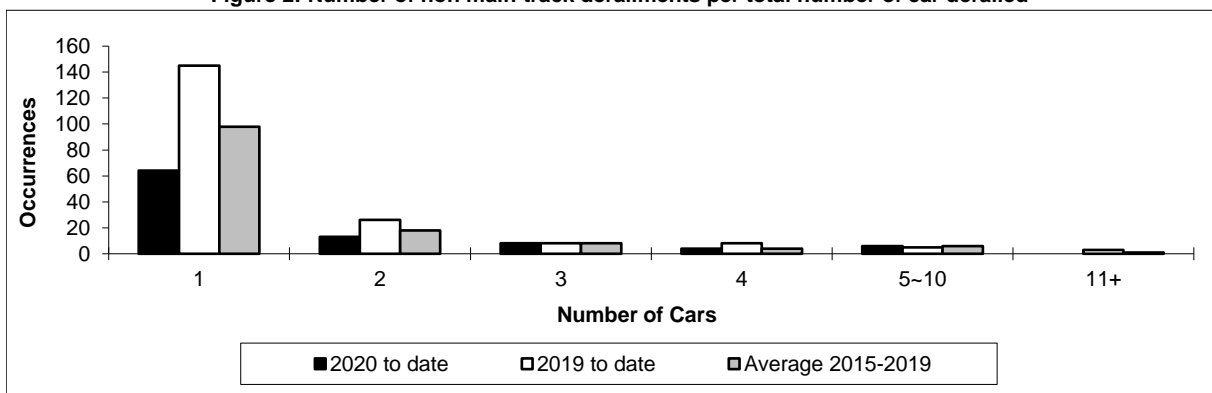


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted 16 March 2020.

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

* Under new reporting requirements all derailments are reportable.