

Table 1
Railway occurrence and casualty

	October			January to October		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Accidents	103	81	85	996	898	852
Main-track train collisions	1	0	0	4	3	4
Main-track train derailments - 1-2 cars*	2	1	2	36	44	38
Main-track train derailments - 3-5 cars	0	1	1	10	4	8
Main-track train derailments - 6 or more cars	1	4	3	36	22	21
Crossings	18	14	16	135	115	128
Non-main-track train collisions	5	5	7	82	81	74
Non-main-track train derailments - 1-2 cars*	39	23	29	396	343	323
Non-main-track train derailments - 3-5 cars	8	6	7	79	62	68
Non-main-track train derailments - 6 or more cars	5	5	3	20	27	25
Collisions/Derailments involving track units	7	5	4	42	40	31
Employee/Passenger	1	1	1	9	12	11
Trespassers	1	7	5	58	72	56
Fires/Explosions	3	2	3	31	25	25
Other	12	7	5	58	48	40
Incidents	18	17	27	244	232	269
Main-track train derailments - 1-2 cars* (no damage)	0	0	0	4	2	2
Non-main-track train collisions* (no derailment, no damage)	0	0	0	1	2	3
Non-main-track train derailments - 1-2 cars* (no damage)	2	4	6	82	56	76
Dangerous goods leaker**	0	4	4	13	37	46
Main-track switch in abnormal position	0	1	1	7	8	7
Movement exceeds limits of authority	15	8	12	109	103	103
Runaway rolling stock	1	0	0	9	10	10
Others	0	0	3	19	13	21
Million train-miles (a)				71.78	69.08	69.94
Accidents/Million train-miles				13.88	13.00	12.18
Accidents involving dangerous goods	8	7	10	101	83	102
Main-track train derailments	0	2	1	16	10	12
Crossings	0	0	0	6	4	4
Non-main-track train collisions	2	1	1	24	27	24
Non-main-track train derailments	3	4	6	46	37	57
All others	3	0	0	9	5	5
Accidents with a DG release	0	1	1	5	4	4
Accidents involving passenger trains	3	5	4	53	46	43
Accidents involving runaway rolling stock	3	3	3	35	37	35
Fatalities	4	6	5	44	62	65
Crossings	4	2	2	16	14	18
Trespassers	0	4	3	27	48	36
All others	0	0	0	1	0	11
Serious Injuries	6	4	4	70	57	45
Crossings	5	1	1	30	19	20
Trespassers	1	2	2	26	20	17
All others	0	1	1	14	18	9

Data extracted November 15, 2018.

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.

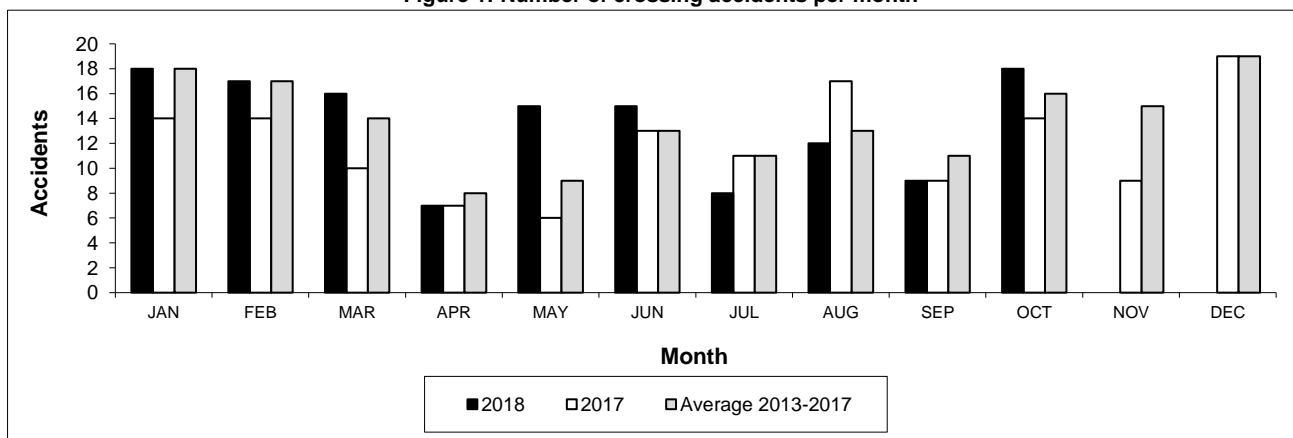
* Under new reporting requirements all derailments are reportable. The TSB has reviewed derailments and collisions back to January 1, 2014 and reclassified occurrences with minimal consequences as reportable incidents including: derailments involving 1 to 2 cars, with no equipment or track damage, no 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.

** Under new reporting requirements the minimum reporting threshold for incidents (200 litres) involving the release of low vapour pressure flammable liquids has been harmonized with Part 8 of the Transportation of Dangerous Goods Regulations.

Table 2
Railway crossing and trespasser accidents by province

	Crossings with type recorded 2018 - Year to date*				All crossings Year to date*		Trespasser Year to date*	
	Public automated	Public passive	Private	Farm	2018	2017	2018	2017
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	3	0	3	1	0	1
Fatalities	0	0	0	0	0	0	0	1
Serious injuries	0	0	0	0	0	0	0	0
New Brunswick								
Accidents	2	0	1	0	3	1	0	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	0	0	0
Quebec								
Accidents	10	2	4	0	17	19	11	10
Fatalities	2	0	0	0	2	6	7	8
Serious injuries	3	1	3	0	7	1	4	2
Ontario								
Accidents	21	9	5	0	35	23	24	33
Fatalities	6	1	0	0	7	5	10	23
Serious injuries	4	3	0	0	7	2	10	8
Manitoba								
Accidents	5	6	1	0	12	10	2	3
Fatalities	0	0	0	0	0	2	1	1
Serious injuries	3	5	0	0	8	2	1	2
Saskatchewan								
Accidents	7	9	1	0	17	22	1	1
Fatalities	0	1	0	0	1	0	0	1
Serious injuries	1	1	0	0	2	2	1	0
Alberta								
Accidents	15	13	2	0	30	24	9	7
Fatalities	3	0	0	0	3	0	3	5
Serious injuries	1	1	0	0	2	5	6	1
British Columbia								
Accidents	8	4	5	1	18	15	11	17
Fatalities	2	0	0	1	3	1	6	9
Serious injuries	4	0	0	0	4	7	4	7
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	68	43	22	1	135	115	58	72
Fatalities	13	2	0	1	16	14	27	48
Serious injuries	16	11	3	0	30	19	26	20

Figure 1: Number of crossing accidents per month



Data extracted November 15, 2018.

*Year to date is from January to October.

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 October			Derailments with DG involvement January to October		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Canada	86	73	69	16	10	13
Newfoundland	0	2	1	0	0	0
Nova Scotia	0	0	0	0	0	0
New Brunswick	0	0	1	0	0	1
Quebec	11	7	8	1	1	1
Ontario	13	9	15	2	2	4
Manitoba	8	5	5	2	1	1
Saskatchewan	15	11	8	3	0	2
Alberta	20	22	17	5	6	3
British Columbia	19	17	14	3	0	0
Northwest Territories	0	0	0	0	0	0

* There was 1 occurrence with dangerous goods release to date in 2018 and 3 in 2017.

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

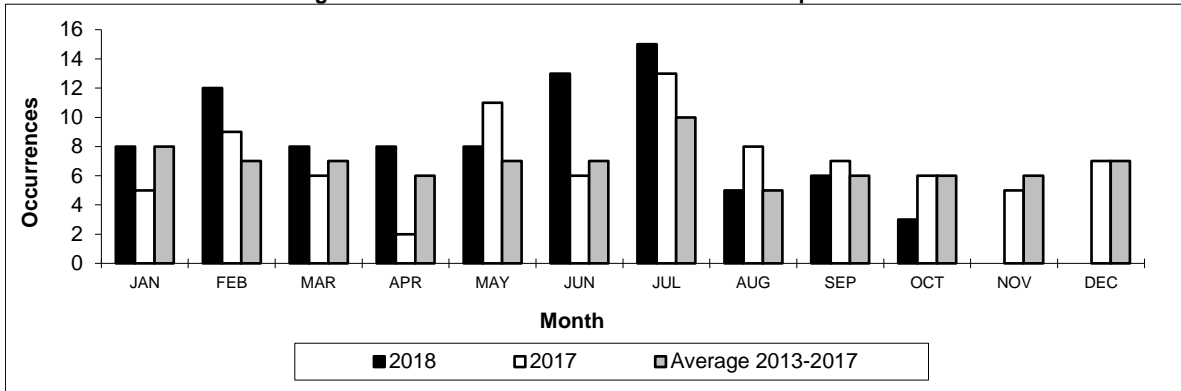
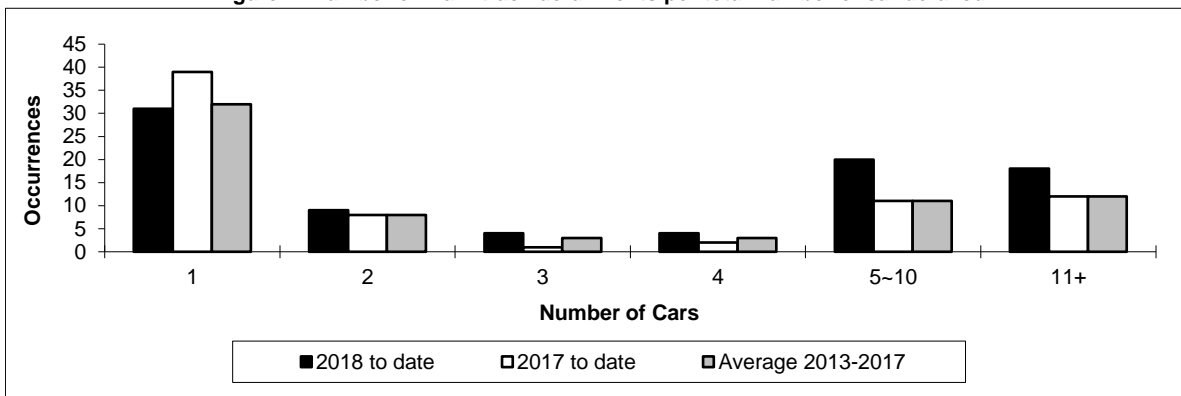


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted November 15, 2018.

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 October			Collisions with DG involvement January to October		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
	Canada	83	83	77	24	27
Newfoundland	1	0	0	0	0	0
Nova Scotia	0	1	0	0	0	0
New Brunswick	1	0	1	0	0	0
Quebec	3	10	8	3	2	2
Ontario	18	23	18	5	9	6
Manitoba	5	11	12	2	3	4
Saskatchewan	13	6	9	3	1	2
Alberta	19	15	16	6	7	6
British Columbia	23	17	13	5	5	4
Northwest Territories	0	0	0	0	0	0

* There were no occurrences with dangerous goods release to date in 2018 or in 2017.

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

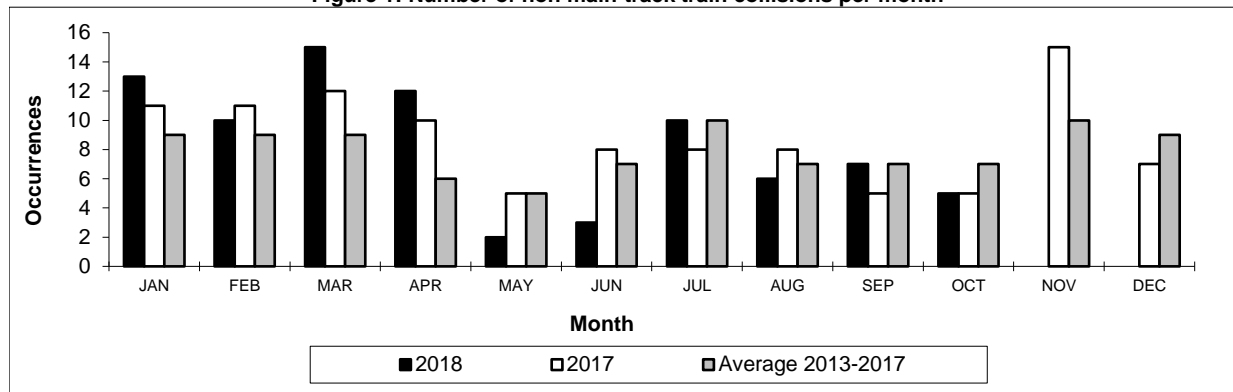
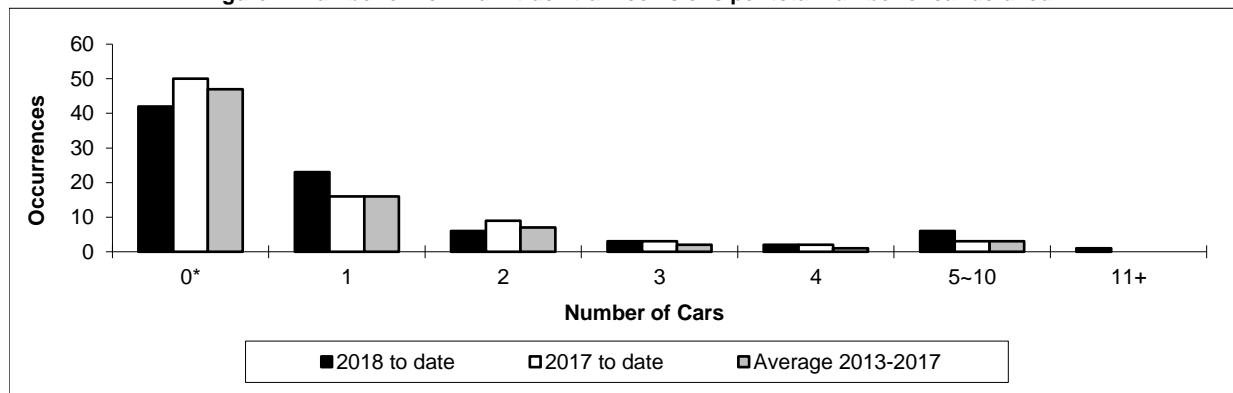


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted November 15, 2018.

* 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 October			Derailments with DG involvement January to October		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
	Canada	577	488	492	55	42
Newfoundland	5	8	5	0	0	0
Nova Scotia	4	4	3	1	0	0
New Brunswick	5	9	9	0	2	3
Quebec	82	90	69	12	4	6
Ontario	106	97	96	8	10	15
Manitoba	68	66	64	5	7	7
Saskatchewan	75	42	58	2	3	7
Alberta	121	84	105	16	8	20
British Columbia	111	88	83	11	8	9
Northwest Territories	0	0	1	0	0	1

* There were no occurrences with dangerous goods release to date in 2018 and 1 in 2017.

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

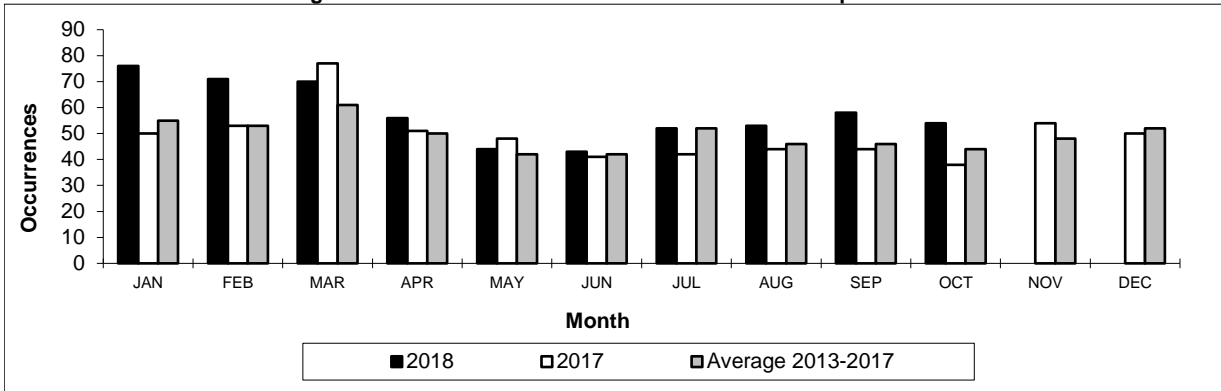
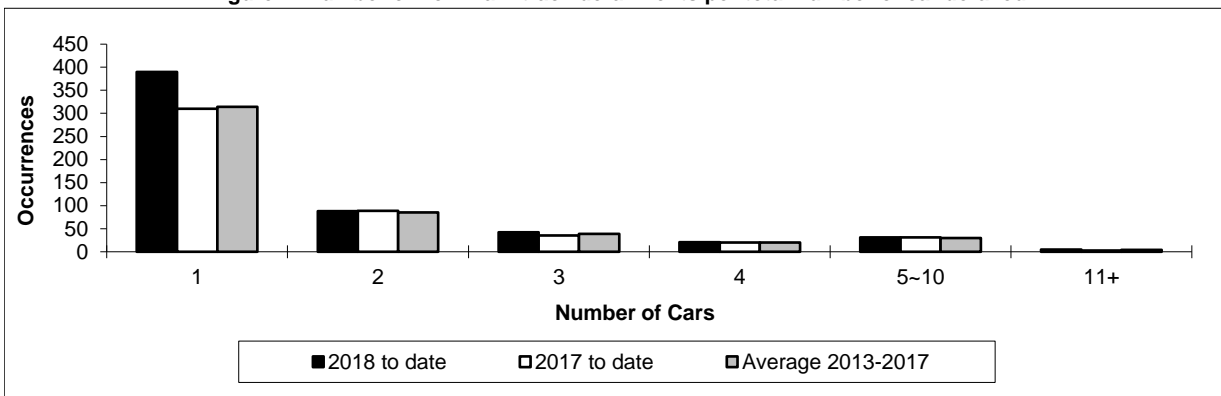


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted November 15, 2018.

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

* Under new reporting requirements all derailments are reportable.