

Table 1
Railway occurrence and casualty

	November			January to November		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Accidents	94	100	89	1090	998	941
Main-track train collisions	0	0	0	4	3	5
Main-track train derailments - 1-2 cars*	2	1	3	38	45	41
Main-track train derailments - 3-5 cars	0	1	1	10	5	9
Main-track train derailments - 6 or more cars	0	2	2	36	24	23
Crossings	23	9	15	158	124	143
Non-main-track train collisions	7	15	9	89	96	83
Non-main-track train derailments - 1-2 cars*	30	36	32	426	379	355
Non-main-track train derailments - 3-5 cars	9	10	7	88	72	74
Non-main-track train derailments - 6 or more cars	1	5	3	21	32	28
Collisions/Derailments involving track units	6	5	4	48	45	35
Employee/Passenger	3	2	1	12	14	11
Trespassers	7	4	4	65	76	60
Fires/Explosions	0	3	2	31	28	27
Other	6	7	7	64	55	47
Incidents	29	19	28	273	251	297
Main-track train derailments - 1-2 cars* (no damage)	0	1	1	4	3	3
Non-main-track train collisions* (no derailment, no damage)	1	0	1	2	2	4
Non-main-track train derailments - 1-2 cars* (no damage)	5	3	7	87	59	83
Dangerous goods leaker**	0	1	4	13	38	50
Main-track switch in abnormal position	0	2	1	7	10	8
Movement exceeds limits of authority	17	7	11	126	110	114
Runaway rolling stock	4	3	2	13	13	12
Others	2	2	2	21	15	23
Million train-miles (a)				79.40	75.95	76.89
Accidents/Million train-miles				13.73	13.14	12.24
Accidents involving dangerous goods	8	19	11	108	102	113
Main-track train derailments	0	0	0	16	10	13
Crossings	1	1	1	7	5	4
Non-main-track train collisions	3	9	4	27	36	28
Non-main-track train derailments	3	8	6	49	45	63
All others	1	1	1	9	6	6
Accidents with a DG release	1	0	1	6	5	5
Accidents involving passenger trains	10	5	4	63	51	47
Accidents involving runaway rolling stock	0	8	5	35	45	39
Fatalities	7	11	7	51	73	72
Crossings	1	3	2	17	17	20
Trespassers	5	4	3	32	52	40
All others	1	4	1	2	4	12
Serious Injuries	14	2	3	84	59	48
Crossings	10	1	2	40	20	21
Trespassers	2	0	1	28	20	17
All others	2	1	1	16	19	9

Data extracted December 17, 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.

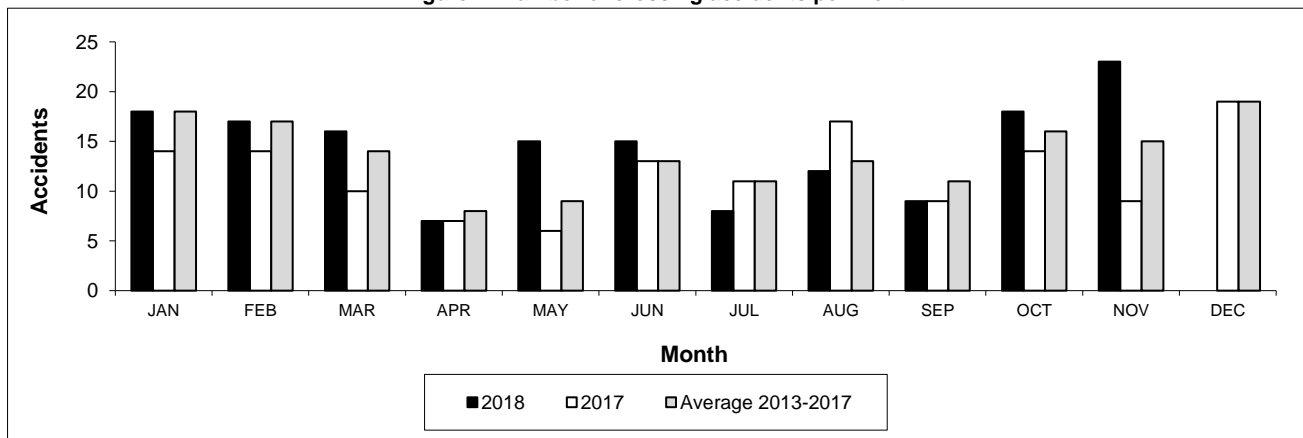
* Under new reporting requirements all derailments are reportable. The TSB has reviewed derailments and collisions back to January 1, 2014 and recategorized occurrences with minimal consequences as reportable incidents including: derailments involving 1 to 2 cars, with no equipment or track damage, no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

** 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				All crossings		Trespasser	
	2018 - Year to date*				Year to date*		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	2	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	12	3	7	0	22	21	11	11
Fatalities	3	0	0	0	3	6	7	9
Serious injuries	3	2	5	0	10	2	4	2
Ontario								
Accidents	26	11	5	0	42	25	29	36
Fatalities	6	1	0	0	7	7	13	26
Serious injuries	5	3	0	0	8	2	12	8
Manitoba								
Accidents	5	8	1	0	14	12	3	3
Fatalities	0	0	0	0	0	2	2	1
Serious injuries	3	5	0	0	8	2	1	2
Saskatchewan								
Accidents	8	11	1	0	20	23	1	1
Fatalities	0	1	0	0	1	0	0	1
Serious injuries	2	6	0	0	8	2	1	0
Alberta								
Accidents	18	14	2	0	34	25	9	7
Fatalities	3	0	0	0	3	1	3	5
Serious injuries	1	1	0	0	2	5	6	1
British Columbia								
Accidents	9	4	6	1	20	15	12	17
Fatalities	2	0	0	1	3	1	7	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	80	51	26	1	158	124	65	76
Fatalities	14	2	0	1	17	17	32	52
Serious injuries	18	17	5	0	40	20	28	20

Figure 1: Number of crossing accidents per month



Data extracted December 17, 2018.

*Year to date is from January to November.

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 November			Derailments with DG involvement January to November		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Canada	88	78	75	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	8	8	1	1	1
Ontario	13	10	16	2	2	4
Manitoba	8	5	5	2	1	1
Saskatchewan	16	11	9	3	0	2
Alberta	21	23	19	5	6	4
British Columbia	19	19	16	3	0	0
Northwest Territories	0	0	0	0	0	0

* There was 1 occurrence with dangerous goods release to date in 2018 and 4 in 2017.

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

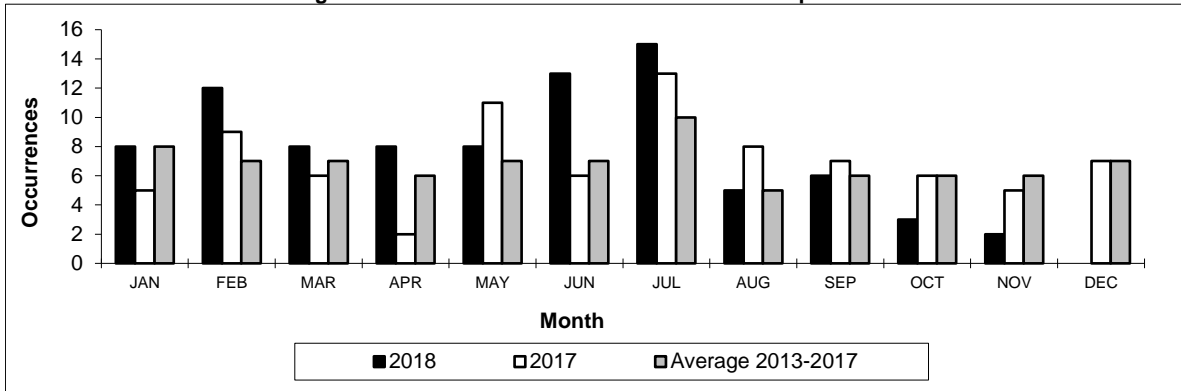
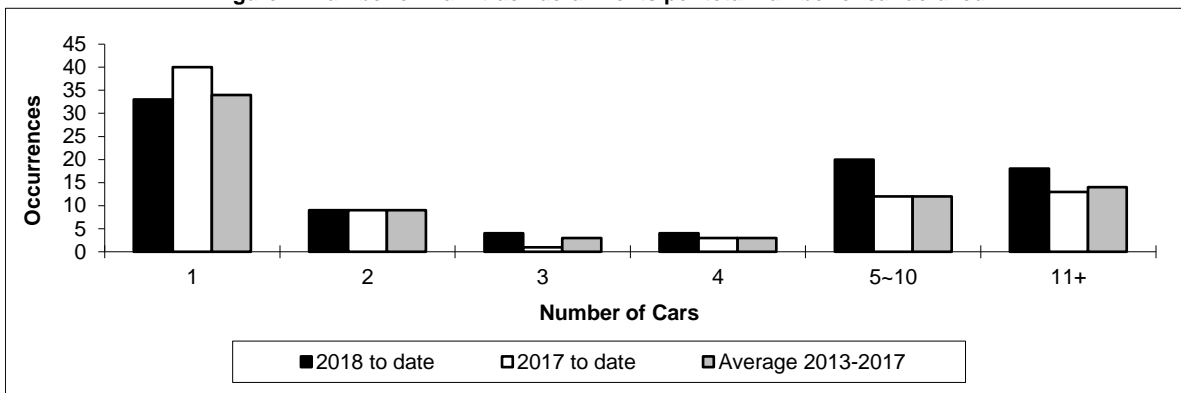


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted December 17, 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 November			Collisions with DG involvement January to November		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
	Canada	91	98	87	27	36
Newfoundland	1	0	0	0	0	0
Nova Scotia	0	1	0	0	0	0
New Brunswick	1	0	1	0	0	0
Quebec	4	11	8	3	2	2
Ontario	20	25	19	6	10	7
Manitoba	6	13	13	2	4	5
Saskatchewan	13	7	10	3	1	2
Alberta	21	21	19	7	11	7
British Columbia	25	20	15	6	8	5
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

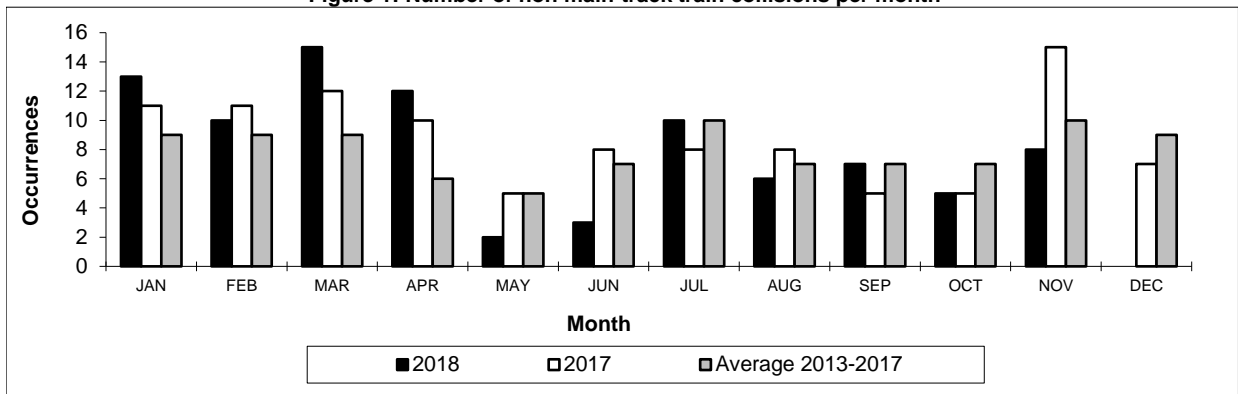
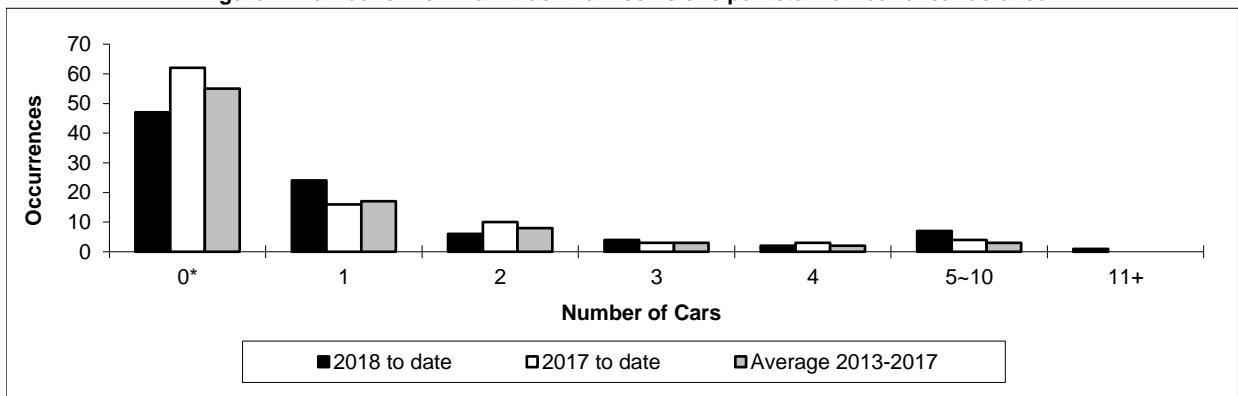


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted December 17, 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 November			Derailments with DG involvement January to November		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
	Canada	622	542	540	58	51
Newfoundland	6	12	6	0	0	0
Nova Scotia	5	4	4	1	0	0
New Brunswick	6	9	9	0	2	3
Quebec	88	98	75	12	4	6
Ontario	115	101	103	9	13	17
Manitoba	71	71	71	5	7	7
Saskatchewan	83	50	63	2	4	8
Alberta	131	92	116	18	9	22
British Columbia	117	105	93	11	12	11
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

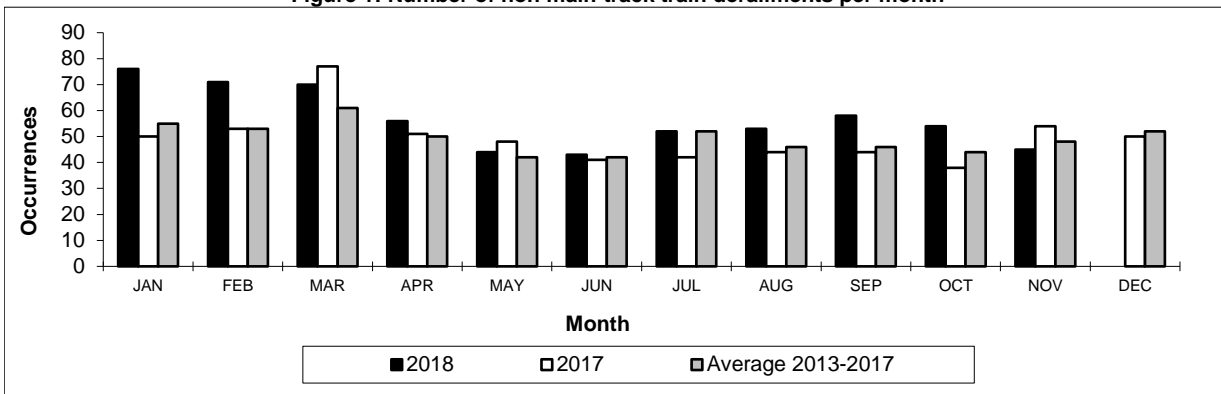
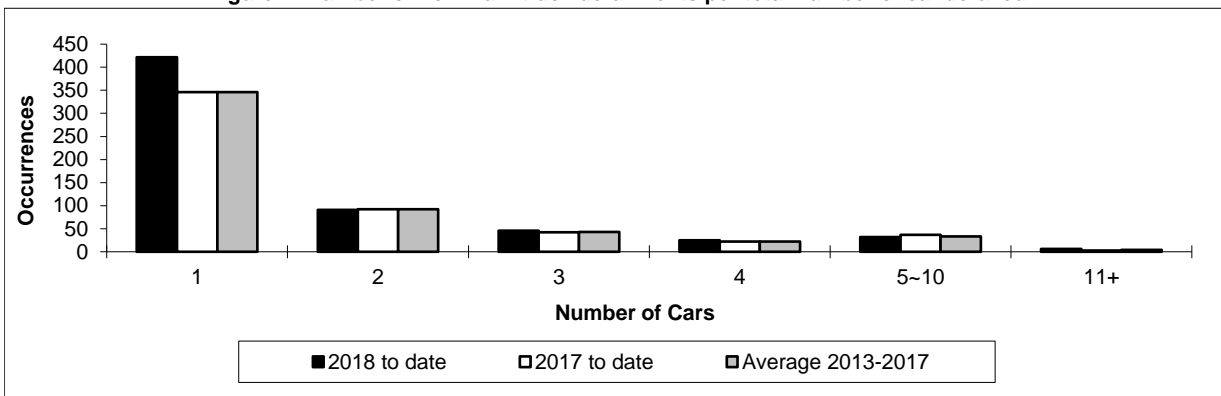


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted December 17, 2018.

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

* Under new reporting requirements all derailments are reportable.