

Table 1
Railway occurrence and casualty

	December			January to December		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Accidents	79	92	94	1170	1091	1035
Main-track train collisions	1	0	0	5	3	5
Main-track train derailments - 1-2 cars*	1	3	3	39	48	43
Main-track train derailments - 3-5 cars	0	0	1	10	5	10
Main-track train derailments - 6 or more cars	2	4	3	38	28	27
Crossings	9	19	19	167	143	162
Non-main-track train collisions	12	7	9	101	103	93
Non-main-track train derailments - 1-2 cars*	28	30	36	476	424	395
Non-main-track train derailments - 3-5 cars	12	10	7	100	82	82
Non-main-track train derailments - 6 or more cars	2	3	2	23	35	29
Collisions/Derailments involving track units	0	0	1	48	45	36
Employee/Passenger	1	3	2	13	17	14
Trespassers	4	4	2	69	80	62
Fires/Explosions	4	5	2	34	33	29
Other	3	4	6	47	45	50
Incidents	26	23	23	285	235	308
Main-track train derailments - 1-2 cars* (no damage)	0	0	0	4	3	3
Non-main-track train collisions* (no derailment, no damage)	0	0	0	2	2	4
Non-main-track train derailments - 1-2 cars* (no damage)	9	8	8	96	67	91
Dangerous goods leaker**	0	0	1	0	0	39
Main-track switch in abnormal position	0	2	1	7	12	9
Movement exceeds limits of authority	12	12	11	137	122	125
Runaway rolling stock	2	1	1	15	14	13
Others	3	0	2	24	15	25
Million train-miles (a)				87.04	82.94	83.84
Accidents/Million train-miles				13.44	13.15	12.34
Accidents involving dangerous goods	17	13	13	125	115	126
Main-track train derailments	1	0	1	17	10	14
Crossings	0	1	1	7	6	5
Non-main-track train collisions	6	3	3	33	39	30
Non-main-track train derailments	10	8	7	62	54	70
All others	0	1	1	6	6	6
Accidents with a DG release	1	0	0	6	5	5
Accidents involving passenger trains	5	4	4	68	55	51
Accidents involving runaway rolling stock	2	3	5	44	48	44
Fatalities	6	4	2	57	76	74
Crossings	2	2	1	19	19	21
Trespassers	2	1	1	34	53	41
All others	2	1	0	4	4	12
Serious Injuries	6	6	5	91	65	53
Crossings	2	2	3	42	22	24
Trespassers	2	2	1	30	22	18
All others	2	2	1	19	21	11

Data extracted February 25, 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.

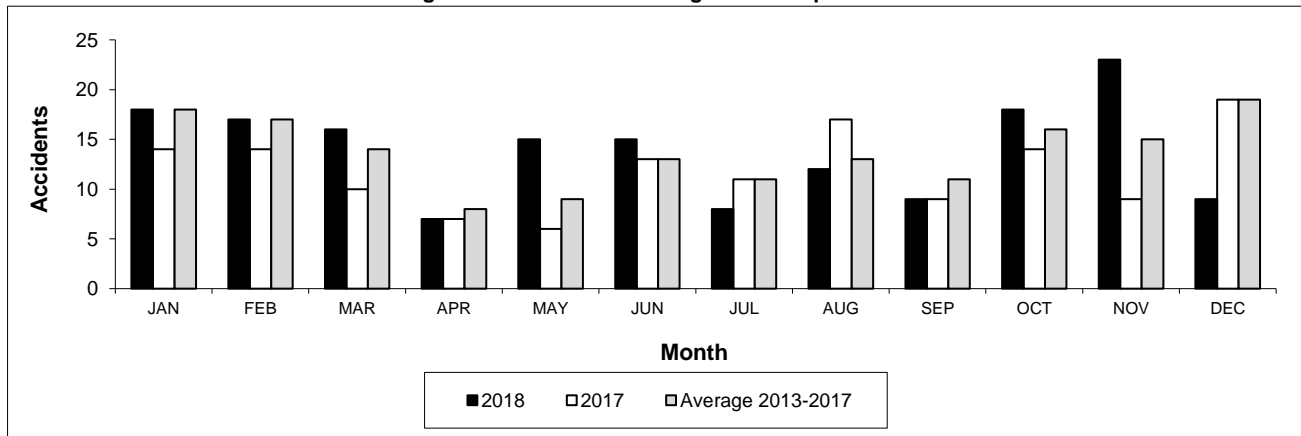
* Under new reporting requirements all derailments are reportable. The TSB has reviewed derailments and collisions back to January 1, 2014 and recategorized occurrences with minimal consequences as reportable incidents including: derailments involving 1 to 2 cars, with no equipment or track damage, no 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				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	3	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	9	0	24	26	12	12
Fatalities	3	0	0	0	3	7	7	9
Serious injuries	3	2	5	0	10	3	5	3
Ontario								
Accidents	27	11	5	0	43	26	31	36
Fatalities	6	1	0	0	7	7	14	26
Serious injuries	5	3	0	0	8	2	13	8
Manitoba								
Accidents	6	8	1	0	15	15	3	4
Fatalities	0	0	0	0	0	2	2	1
Serious injuries	3	5	0	0	8	3	1	2
Saskatchewan								
Accidents	10	11	1	0	22	26	1	1
Fatalities	0	1	0	0	1	0	0	1
Serious injuries	3	6	0	0	9	2	1	0
Alberta								
Accidents	18	15	2	0	35	28	10	8
Fatalities	3	0	0	0	3	2	4	5
Serious injuries	1	1	0	0	2	5	6	2
British Columbia								
Accidents	11	4	6	1	22	18	12	18
Fatalities	4	0	0	1	5	1	7	10
Serious injuries	5	0	0	0	5	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	86	52	28	1	167	143	69	80
Fatalities	16	2	0	1	19	19	34	53
Serious injuries	20	17	5	0	42	22	30	22

Figure 1: Number of crossing accidents per month



Data extracted February 25, 2019.

*Year to date is from January to December.

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 December			Derailments with DG involvement January to December		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Canada	91	84	82	17	10	14
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	9	1	1	1
Ontario	14	11	17	3	2	5
Manitoba	8	6	5	2	1	1
Saskatchewan	18	14	10	3	0	2
Alberta	21	22	20	5	6	4
British Columbia	19	21	17	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

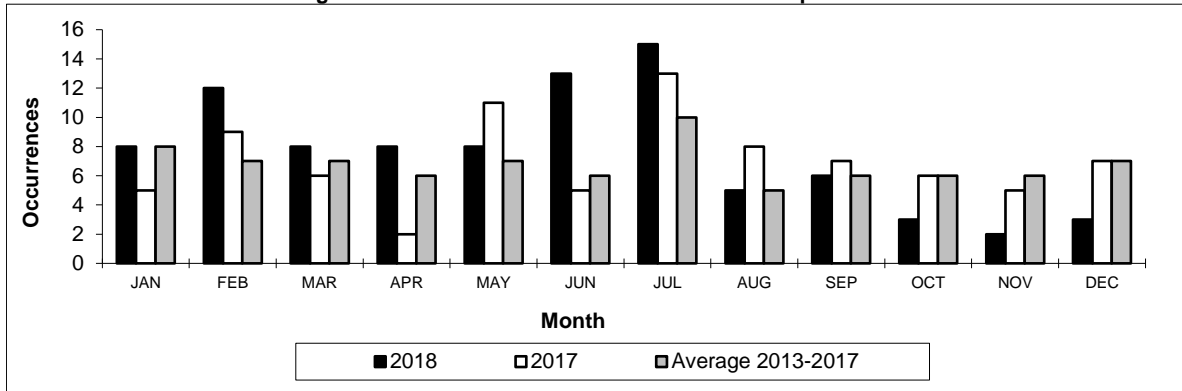
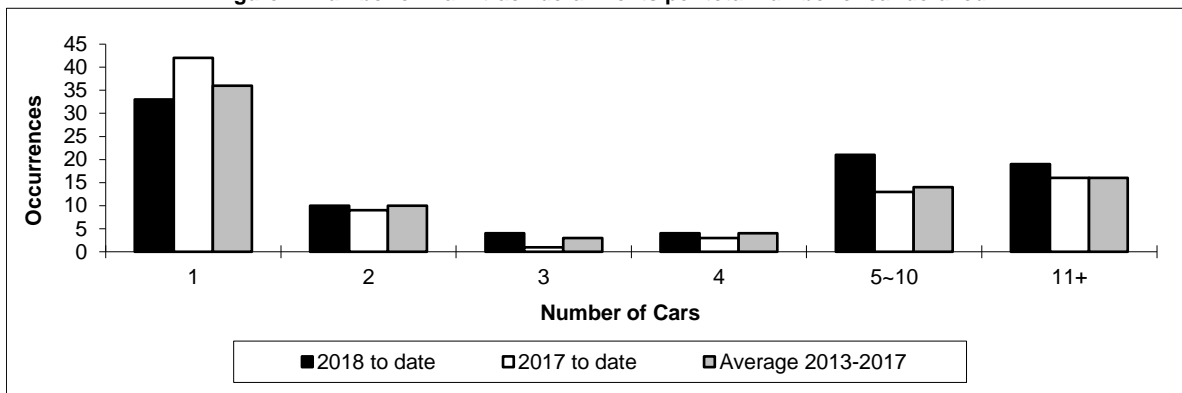


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted February 25, 2019.

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 December			Collisions with DG involvement January to December		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
	Canada	103	105	96	33	39
Newfoundland	1	0	0	0	0	0
Nova Scotia	0	1	0	0	0	0
New Brunswick	2	1	1	0	0	0
Quebec	5	11	9	4	2	3
Ontario	20	25	21	6	10	7
Manitoba	8	14	15	3	5	5
Saskatchewan	13	7	11	3	1	3
Alberta	27	23	22	10	12	7
British Columbia	27	23	17	7	9	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

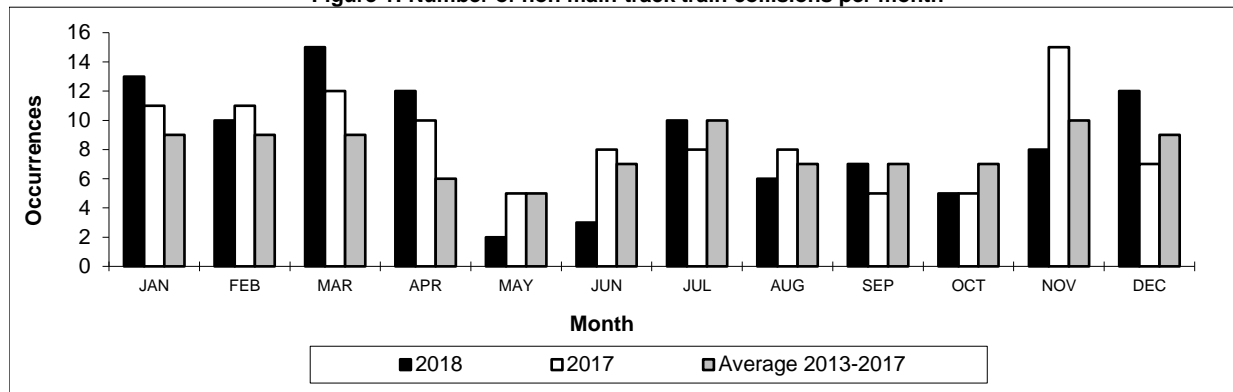
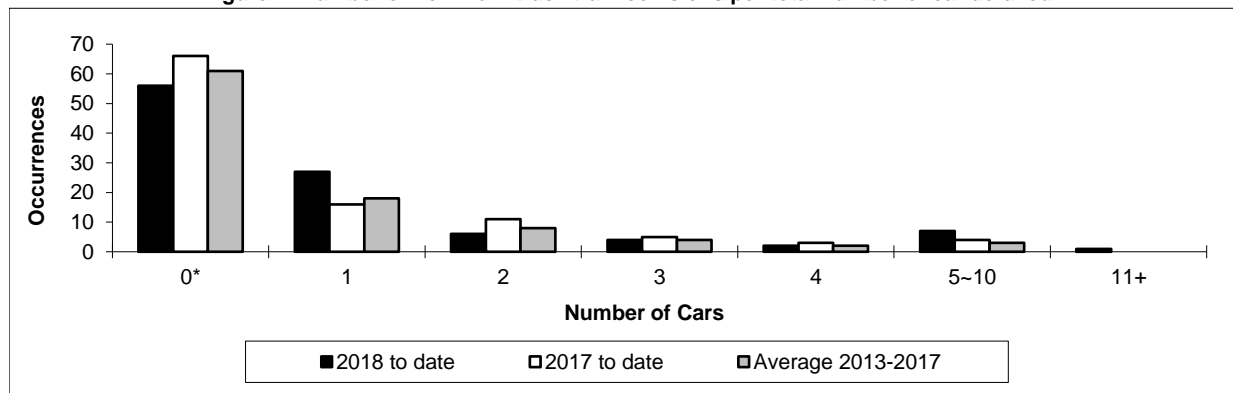


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted February 25, 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 December			Derailments with DG involvement January to December		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
	Canada	695	608	597	71	63
Newfoundland	9	14	7	0	0	0
Nova Scotia	6	5	4	1	0	0
New Brunswick	6	9	10	0	2	3
Quebec	92	111	82	12	4	6
Ontario	130	121	115	11	16	18
Manitoba	76	77	78	5	10	9
Saskatchewan	93	52	70	3	4	9
Alberta	151	104	127	25	14	25
British Columbia	132	114	102	14	12	12
Northwest Territories	0	1	1	0	1	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

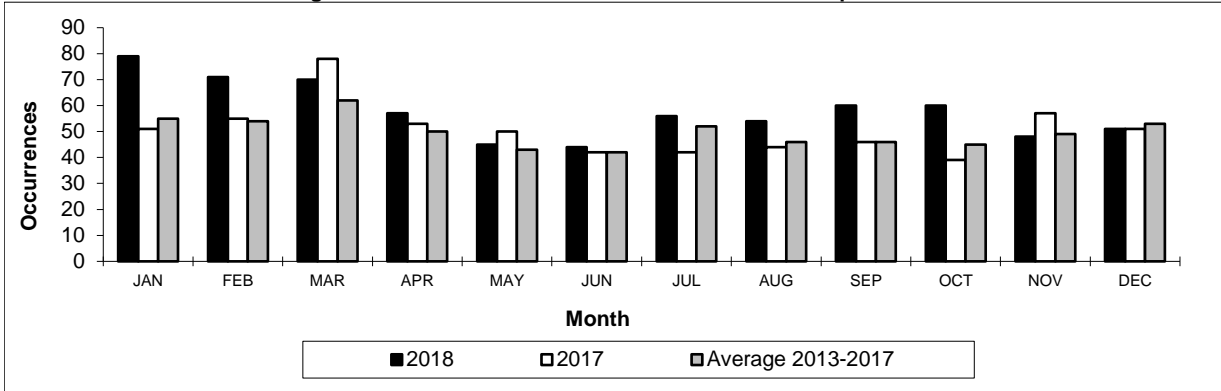
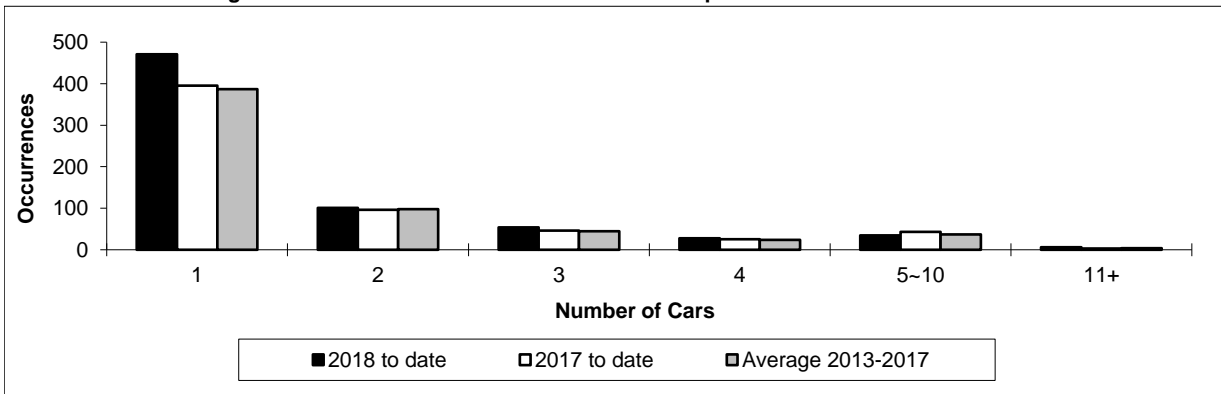


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted February 25, 2019.

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

* Under new reporting requirements all derailments are reportable.