

Table 1

Railway occurrence and casualty

	July			January to July		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Accidents	103	97	92	706	642	602
Main-track train collisions	0	0	0	2	3	3
Main-track train derailments - 1-2 cars*	3	7	6	30	34	30
Main-track train derailments - 3-5 cars	4	0	1	9	3	6
Main-track train derailments - 6 or more cars	7	5	3	30	12	14
Crossings	8	11	11	96	75	88
Non-main-track train collisions	9	8	9	64	63	53
Non-main-track train derailments - 1-2 cars*	42	33	35	278	250	229
Non-main-track train derailments - 3-5 cars	4	4	8	55	46	49
Non-main-track train derailments - 6 or more cars	3	3	2	14	21	18
Collisions/Derailments involving track units	3	3	3	23	26	20
Employee/Passenger	1	3	2	4	9	8
Trespassers	7	10	6	45	49	37
Fires/Explosions	4	6	3	19	16	17
Other	8	4	4	37	35	28
Incidents	18	14	28	172	174	194
Main-track train derailments - 1-2 cars* (no damage)	1	1	0	3	2	2
Non-main-track train collisions* (no derailment, no damage)	1	0	1	1	2	2
Non-main-track train derailments - 1-2 cars* (no damage)	3	2	7	65	45	60
Dangerous goods leaker**	0	5	9	13	21	32
Main-track switch in abnormal position	0	0	1	7	4	5
Movement exceeds limits of authority	11	4	9	67	76	69
Runaway rolling stock	1	1	1	5	10	8
Others	1	1	1	11	13	16
Million train-miles (a)				49.44	48.07	48.88
Accidents/Million train-miles				14.28	13.36	12.32
Accidents involving dangerous goods	12	11	10	80	66	77
Main-track train derailments	4	4	3	15	5	9
Crossings	0	0	0	6	4	3
Non-main-track train collisions	3	1	3	18	23	20
Non-main-track train derailments	4	4	4	35	29	42
All others	1	2	1	6	5	3
Accidents with a DG release	0	1	1	5	2	3
Accidents involving passenger trains	6	6	6	37	32	30
Accidents involving runaway rolling stock	2	7	5	26	25	25
Fatalities	4	9	16	30	41	48
Crossings	1	2	2	11	7	12
Trespassers	3	7	4	19	34	26
All others	0	0	9	0	0	11
Serious Injuries	6	10	4	52	41	29
Crossings	0	1	1	21	15	12
Trespassers	3	4	1	22	13	10
All others	3	5	1	9	13	7

Data extracted August 16, 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.

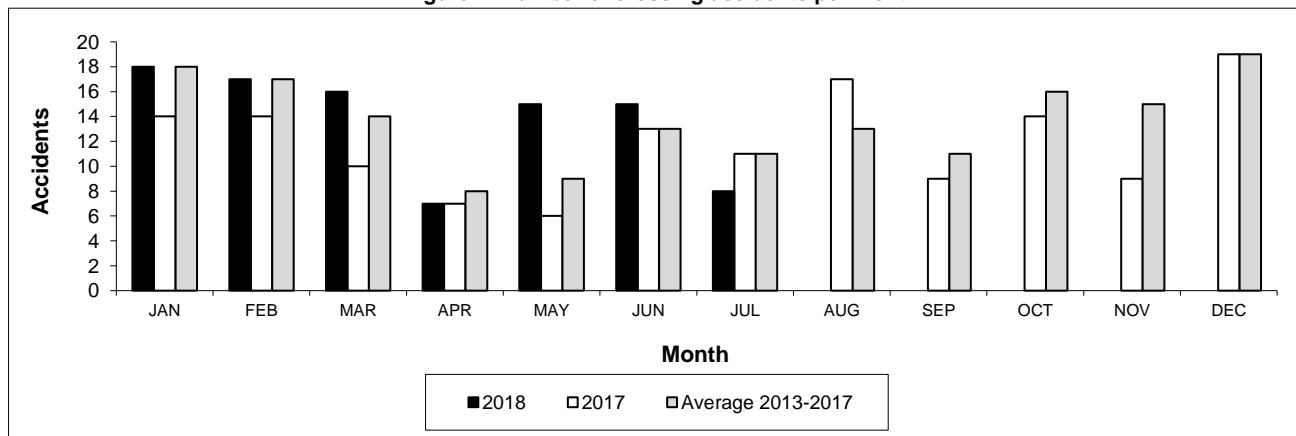
** Under new reporting requirements the minimum reporting threshold for incidents (200 litres) involving the release of low vapour pressure flammable liquids has been harmonized with Part 8 of the Transportation of Dangerous Goods Regulations.

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	2	0	2	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	0	0	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	0	0	0
Quebec								
Accidents	8	2	2	0	12	11	6	6
Fatalities	2	0	0	0	2	2	2	5
Serious injuries	0	1	3	0	4	1	4	1
Ontario								
Accidents	11	7	3	0	21	15	19	24
Fatalities	3	1	0	0	4	3	8	17
Serious injuries	2	1	0	0	3	2	8	6
Manitoba								
Accidents	5	5	0	0	10	8	1	1
Fatalities	0	0	0	0	0	1	0	0
Serious injuries	3	4	0	0	7	2	1	1
Saskatchewan								
Accidents	6	4	1	0	11	14	1	1
Fatalities	0	0	0	0	0	0	0	1
Serious injuries	1	0	0	0	1	1	1	0
Alberta								
Accidents	11	10	2	0	23	17	7	5
Fatalities	2	0	0	0	2	0	3	4
Serious injuries	1	1	0	0	2	3	4	1
British Columbia								
Accidents	7	3	3	1	14	9	11	11
Fatalities	2	0	0	1	3	1	6	6
Serious injuries	4	0	0	0	4	6	4	4
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	50	31	14	1	96	75	45	49
Fatalities	9	1	0	1	11	7	19	34
Serious injuries	11	7	3	0	21	15	22	13

Figure 1: Number of crossing accidents per month



Data extracted August 16, 2018.

*Year to date is from January to July.

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 July			Derailments with DG involvement January to July		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Canada	72	52	52	15	5	9
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	4	6	1	1	1
Ontario	9	5	13	1	1	3
Manitoba	6	2	4	2	0	0
Saskatchewan	12	7	5	3	0	1
Alberta	18	17	12	5	3	2
British Columbia	16	15	11	3	0	0
Northwest Territories	0	0	0	0	0	0

* There was 1 occurrence with dangerous goods release to date in 2018 and 2 in 2017.

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

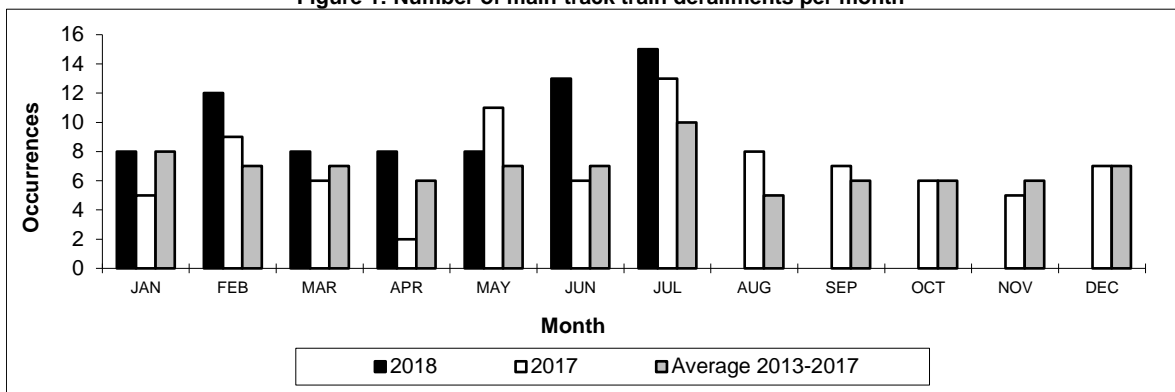
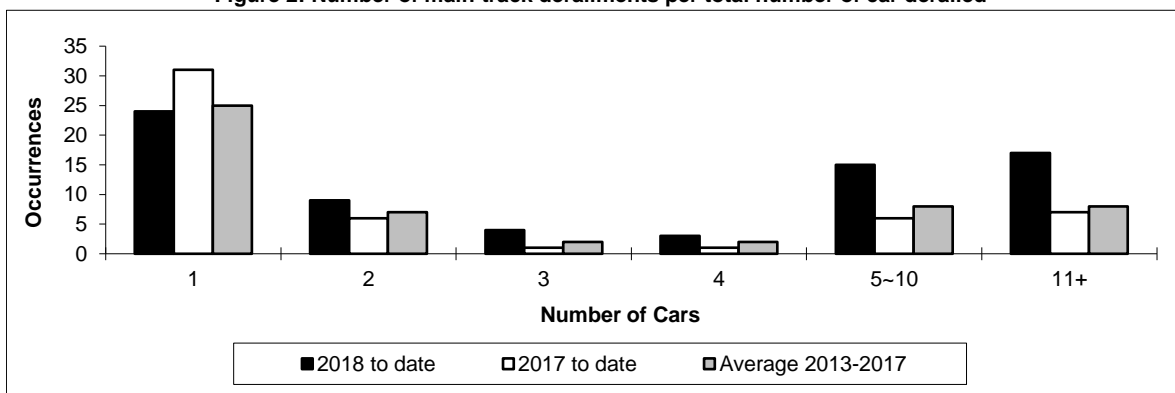


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted August 16, 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 July			Collisions with DG involvement January to July		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Canada	65	65	56	18	23	20
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	7	6	3	2	2
Ontario	14	17	12	4	8	5
Manitoba	3	10	10	1	3	3
Saskatchewan	10	6	7	1	1	2
Alberta	17	11	12	6	6	5
British Columbia	16	13	8	3	3	2
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

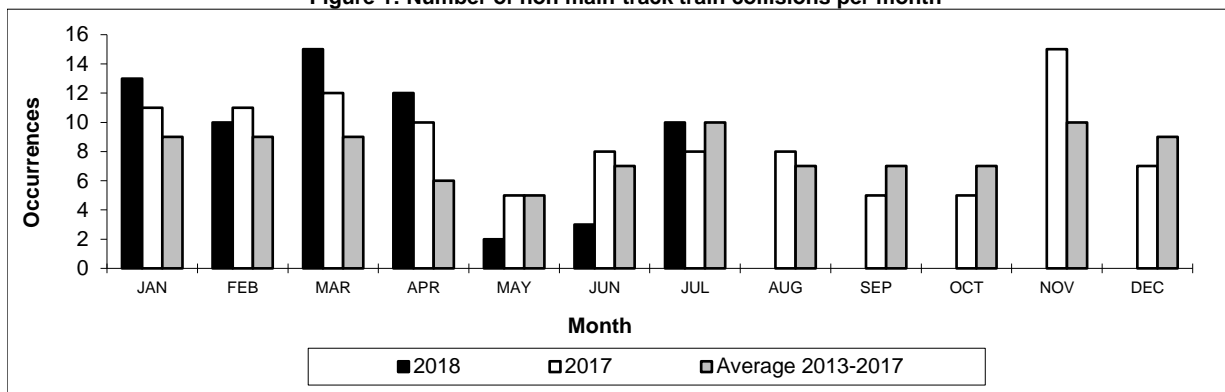
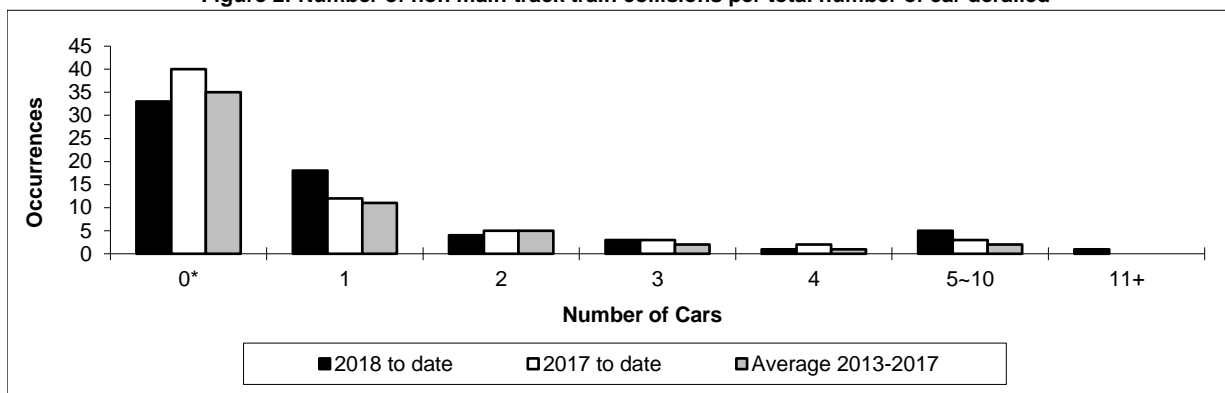


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted August 16, 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 July			Derailments with DG involvement January to July		
	2018	2017	2013-2017 average	2018	2017	2013-2017 average
Canada	412	362	356	42	31	51
Newfoundland	5	6	4	0	0	0
Nova Scotia	3	2	3	1	0	0
New Brunswick	4	7	6	0	2	2
Quebec	63	61	50	9	2	4
Ontario	72	69	68	4	8	12
Manitoba	52	52	49	5	6	6
Saskatchewan	53	32	41	2	2	6
Alberta	85	62	75	13	5	14
British Columbia	75	71	60	8	6	6
Northwest Territories	0	0	1	0	0	1

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

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

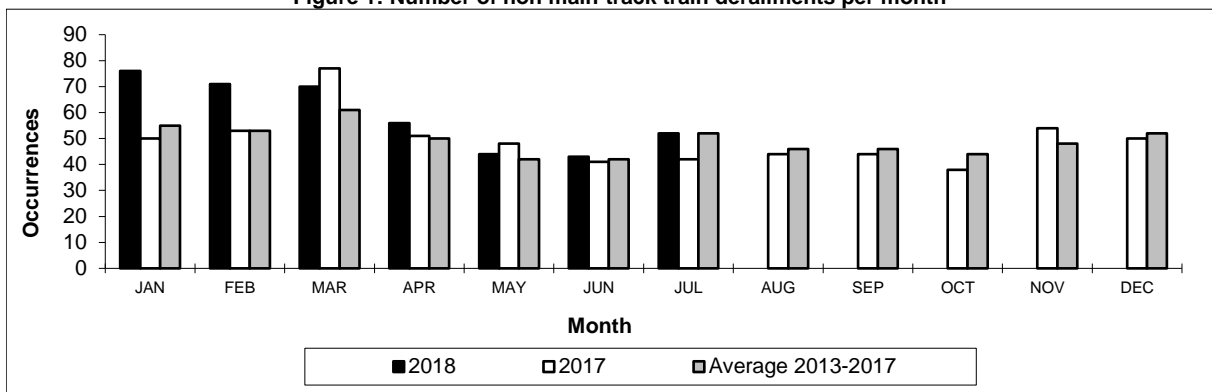
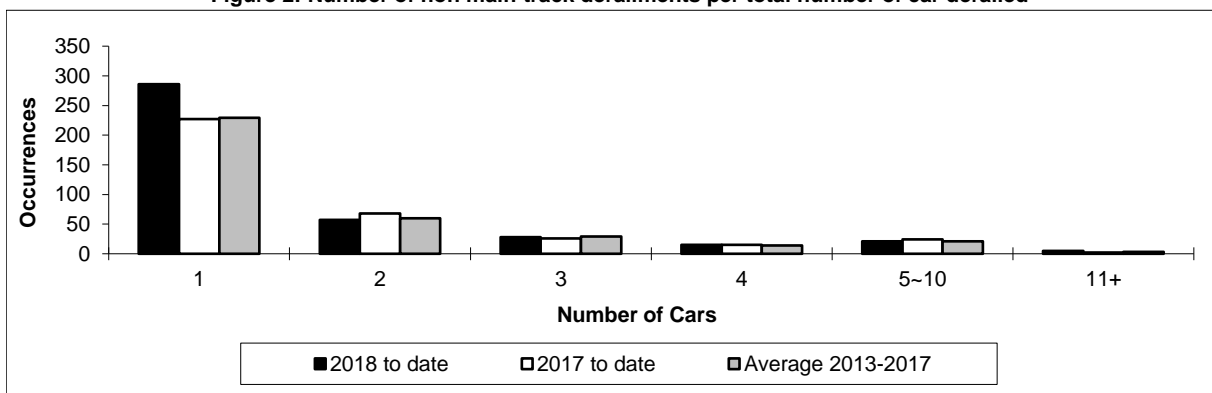


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted August 16, 2018.

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

* Under new reporting requirements all derailments are reportable.