

Table 1
Railway occurrence and casualty

	December			January to December		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Accidents	87	79	88	1243	1169	1050
Main-track train collisions	0	1	1	4	5	5
Main-track train derailments - 1-2 cars*	4	1	2	54	39	41
Main-track train derailments - 3-5 cars	1	0	1	6	10	9
Main-track train derailments - 6 or more cars	3	2	4	33	38	30
Crossings	13	9	18	174	167	159
Non-main-track train collisions	7	12	10	111	101	94
Non-main-track train derailments - 1-2 cars*	32	28	32	485	476	403
Non-main-track train derailments - 3-5 cars	9	12	8	87	100	84
Non-main-track train derailments - 6 or more cars	1	2	2	27	23	29
Collisions/Derailments involving track units	3	0	0	50	48	37
Employee/Passenger	3	1	2	14	13	15
Trespassers	4	4	3	56	69	65
Fires/Explosions	2	4	3	100	34	34
Other	4	3	4	42	46	46
Incidents	8	26	25	236	286	321
Main-track train derailments - 1-2 cars* (no damage)	1	0	0	3	4	4
Non-main-track train collisions* (no derailment, no damage)	0	0	0	0	2	4
Non-main-track train derailments - 1-2 cars* (no damage)	0	9	10	54	96	110
Dangerous goods leaker**	0	0	1	0	0	21
Main-track switch in abnormal position	0	0	1	15	7	9
Movement exceeds limits of authority	5	12	11	134	138	133
Uncontrolled movement of rolling stock	2	2	1	16	15	13
Others	0	3	2	13	24	28
Million train-miles (a)				87.86	88.01	84.59
Accidents/Million train-miles				14.15	13.28	12.41
Accidents involving dangerous goods	10	17	13	168	125	122
Main-track train derailments	2	1	1	19	17	15
Crossings	0	0	1	6	7	5
Non-main-track train collisions	2	6	4	44	33	32
Non-main-track train derailments	6	10	7	94	62	64
All others	0	0	1	5	6	7
Accidents with a DG release	1	1	1	9	6	5
Accidents involving passenger trains	3	5	5	46	68	55
Accidents involving an uncontrolled movement of rolling	0	3	5	56	47	42
Fatalities	3	6	3	72	57	60
Crossings	0	2	1	28	19	19
Trespassers	2	2	1	38	34	39
All others	1	2	1	6	4	2
Serious Injuries	7	6	5	62	91	63
Crossings	2	2	3	29	42	27
Trespassers	2	2	1	17	30	22
All others	3	2	2	16	19	14

Data extracted 15 January 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.

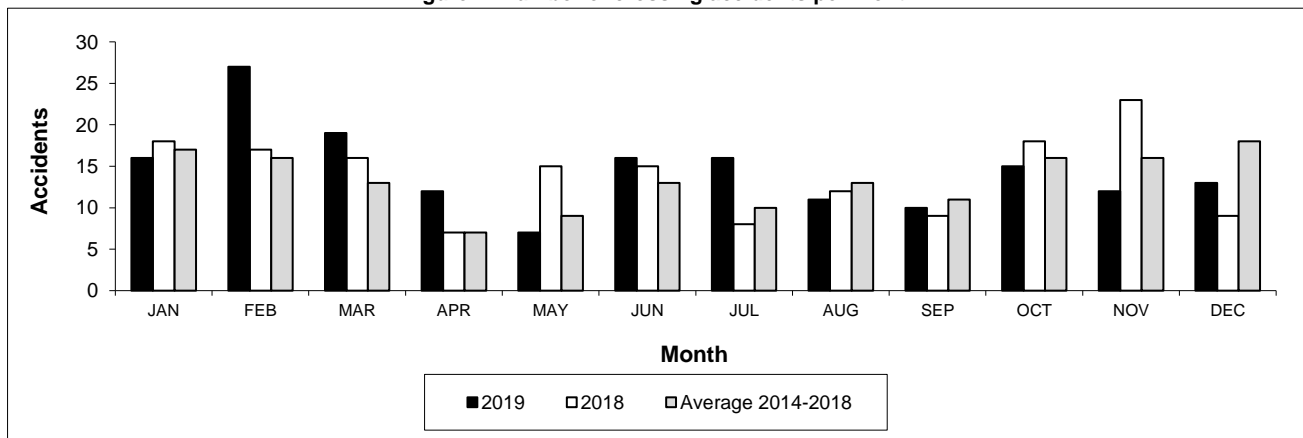
* Under new reporting requirements all derailments are reportable. The TSB has reviewed derailments and collisions back to January 1, 2014 and recategorized occurrences with minimal consequences as reportable incidents including: derailments involving 1 to 2 cars, with no equipment or track damage, no 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 2019 - Year to date*				All crossings Year to date*		Trespasser Year to date*	
	Public automated	Public passive	Private	Farm	2019	2018	2019	2018
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	1	0	1	0	2	3	0	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	2	0	2	0	0	0
New Brunswick								
Accidents	0	0	2	0	2	3	1	0
Fatalities	0	0	0	0	0	0	0	0
Serious injuries	0	0	0	0	0	0	1	0
Quebec								
Accidents	13	0	11	1	25	24	6	12
Fatalities	1	0	1	0	2	3	4	7
Serious injuries	0	0	1	0	1	10	2	5
Ontario								
Accidents	30	9	7	1	47	43	21	31
Fatalities	6	3	2	0	11	7	16	14
Serious injuries	4	1	0	0	5	8	5	13
Manitoba								
Accidents	7	8	3	1	19	15	2	3
Fatalities	4	1	0	0	5	0	2	2
Serious injuries	0	0	0	0	0	8	0	1
Saskatchewan								
Accidents	13	11	0	0	24	22	4	1
Fatalities	3	1	0	0	4	1	4	0
Serious injuries	5	2	0	0	7	9	0	1
Alberta								
Accidents	13	17	5	0	35	35	14	10
Fatalities	1	1	0	0	2	3	9	4
Serious injuries	6	1	2	0	9	2	4	6
British Columbia								
Accidents	9	3	8	0	20	22	8	12
Fatalities	4	0	0	0	4	5	3	7
Serious injuries	2	2	1	0	5	5	5	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	86	48	37	3	174	167	56	69
Fatalities	19	6	3	0	28	19	38	34
Serious injuries	17	6	6	0	29	42	17	30

Figure 1: Number of crossing accidents per month



Data extracted 15 January 2020.

*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		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
Canada	96	91	84	19	17	15
Newfoundland	0	0	0	0	0	0
Nova Scotia	0	0	0	0	0	0
New Brunswick	1	0	1	0	0	1
Quebec	11	11	10	3	1	1
Ontario	17	14	16	5	3	5
Manitoba	14	8	6	3	2	1
Saskatchewan	12	18	11	2	3	2
Alberta	17	21	21	4	5	4
British Columbia	24	19	17	2	3	1
Northwest Territories	0	0	0	0	0	0

* There were 6 occurrences with dangerous goods release to date in 2019 and 1 in 2018.

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

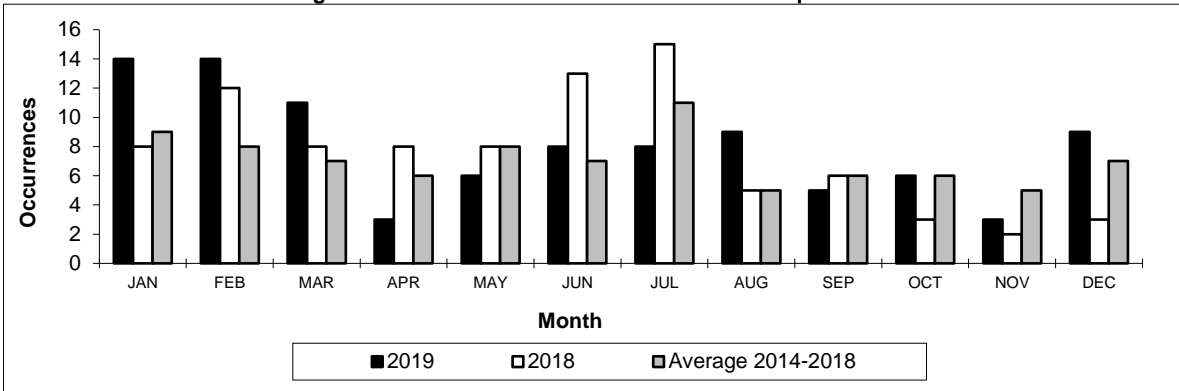
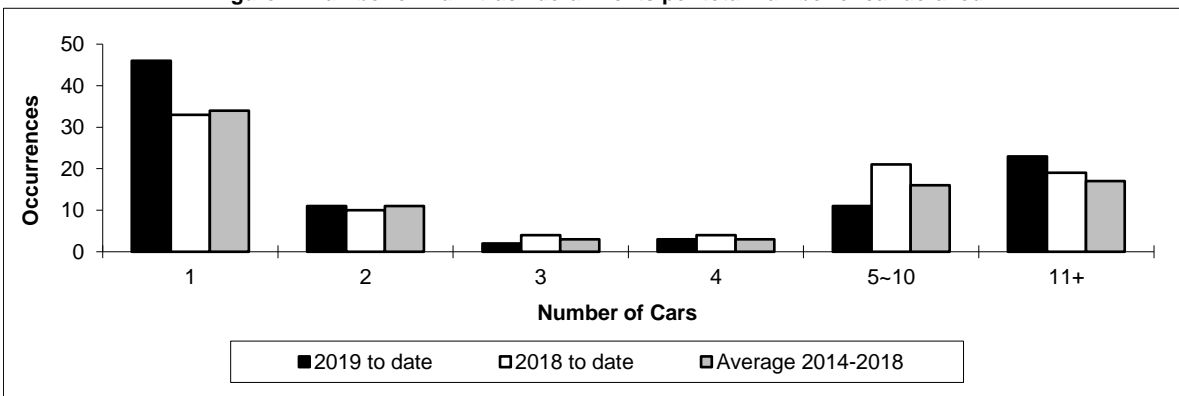


Figure 2: Number of main-track derailments per total number of car derailed



Data extracted 15 January 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 December			Collisions with DG involvement January to December		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
	Canada	111	103	98	44	33
Newfoundland	0	1	0	0	0	0
Nova Scotia	0	0	0	0	0	0
New Brunswick	0	2	2	0	0	0
Quebec	8	5	8	2	4	3
Ontario	26	20	22	14	6	7
Manitoba	15	8	14	5	3	5
Saskatchewan	11	13	11	4	3	3
Alberta	29	27	21	15	10	8
British Columbia	22	27	20	4	7	6
Northwest Territories	0	0	0	0	0	0

* There were no occurrences with dangerous goods release to date in 2019 or in 2018.

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

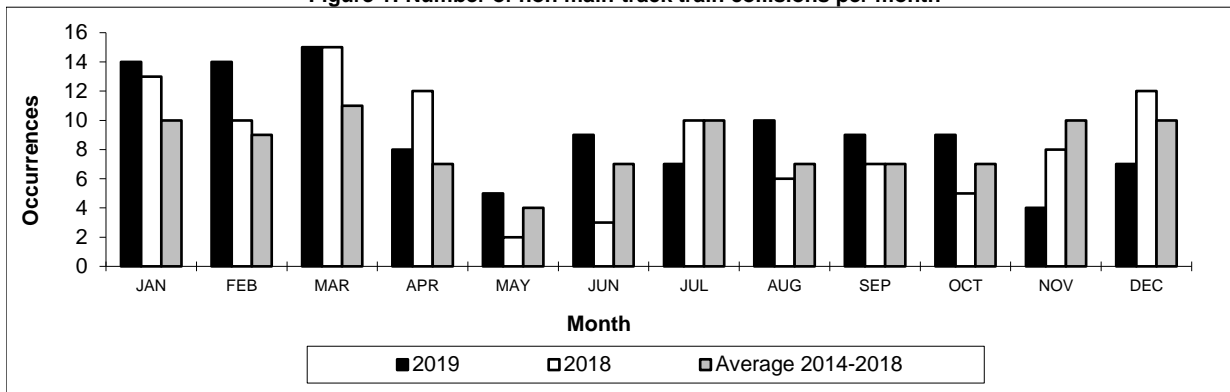
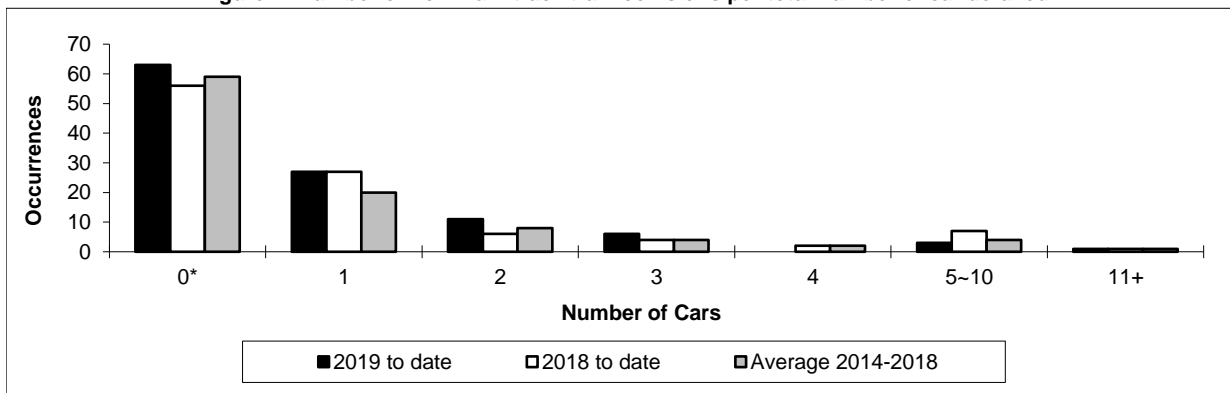


Figure 2: Number of non main-track train collisions per total number of car derailed



Data extracted 15 January 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 December			Derailments with DG involvement January to December		
	2019	2018	2014-2018 average	2019	2018	2014-2018 average
	Canada	653	695	626	104	71
Newfoundland	8	9	8	0	0	0
Nova Scotia	4	6	5	0	1	0
New Brunswick	12	6	10	2	0	3
Quebec	130	92	89	21	12	8
Ontario	142	130	123	16	11	16
Manitoba	74	76	80	15	5	9
Saskatchewan	60	93	72	9	3	7
Alberta	123	151	128	29	25	22
British Columbia	99	132	110	11	14	12
Northwest Territories	1	0	1	1	0	1

* There were no occurrences with dangerous goods release to date in 2019 or in 2018.

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

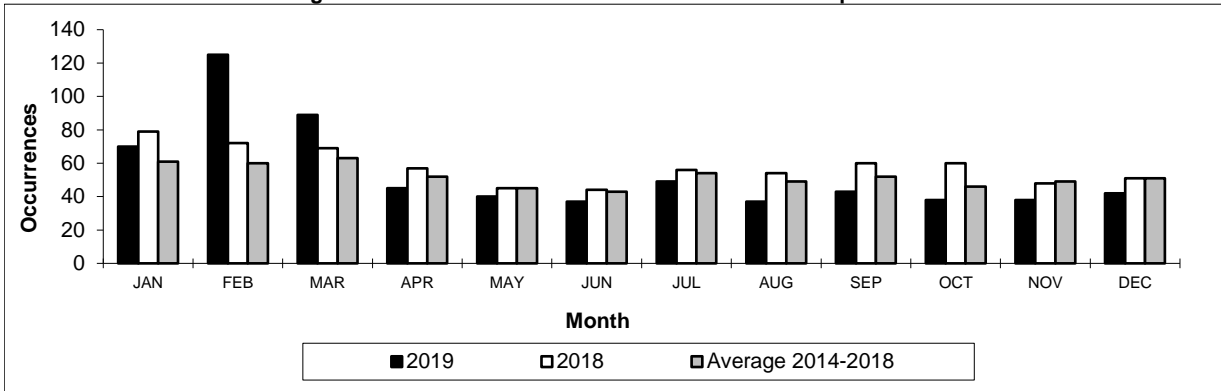
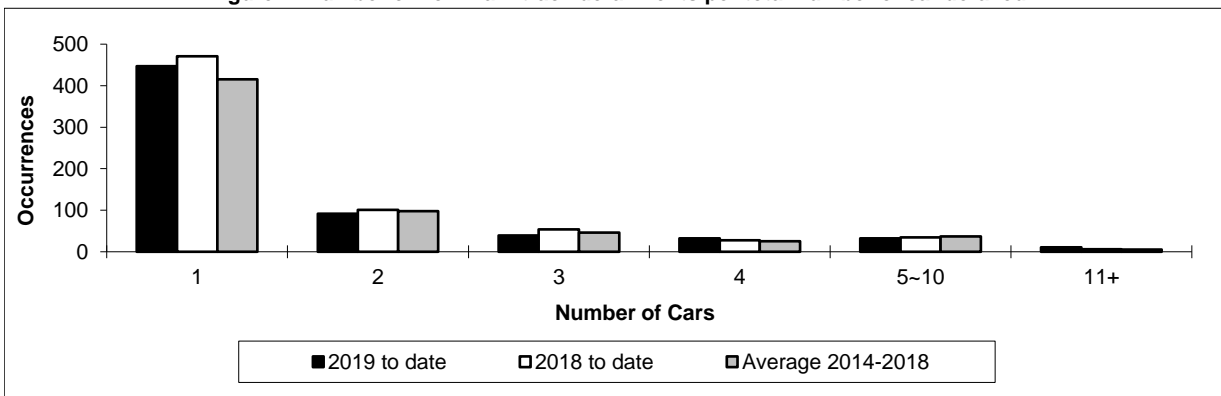


Figure 2: Number of non main-track derailments per total number of car derailed



Data extracted 15 January 2020.

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

* Under new reporting requirements all derailments are reportable.