

Table S3: Railways Under Federal Jurisdiction, Accidents and Incidents, 2015–2024

											Average
Accident Type	2015 ^R	2016 ^R	2017 ^R	2018 ^R	2019 ^R	2020 ^R	2021 ^R	2022 ^R	2023 ^R	2024 ^P	2015-2024
Crossing collision	165	133	143	166	178	130	136	161	150	167	152.9
Trespasser accident	50	68	76	68	56	60	63	72	80	95	68.8
Main-track train derailment	75	56	81	87	93	70	75	68	55	48	70.8
Main-track train collision	4	5	3	5	4	7	3	8	9	6	5.4
Non-main-track train derailment	523	437	541	599	606	492	401	450	407	351	480.7
Non-main track train collision	92	69	103	101	112	68	62	66	63	61	79.7
Derailment involving track unit	11	7	24	16	19	15	16	32	25	16	18.1
Collision involving track unit	32	16	21	32	31	24	34	33	25	38	28.6
Employee accident	9	11	13	8	14	8	8	8	3	5	8.7
Passenger accident	6	5	4	5	1		3	2	1	1	3.1
Rolling stock with object	20	36	30	31	30	30	43	46	50	48	36.4
Rolling stock with abandoned vehicle	6	7	3	9	7	4	3	3	5	5	5.2
Rolling stock damage without derailment/collision	20	12	12	6	5	1	5	13	3	2	7.9
Fire on board rolling stock	30	34	32	33	58	32	45	46	42	53	40.5
Other accidents						1					1.0
Total Accidents	1,043	896	1,086	1,166	1,214	942	897	1,008	918	896	1006.6
Incident Type											
Main-track switch in abnormal position	12	7	12	7	15	3	13	8	8	6	9.1
Movement exceeds limits of authority	142	133	122	138	136	149	109	134	162	143	136.8
Signal less restrictive than required	5	1	1	2		1		6		4	2.9
Unprotected overlap of authorities	6	4	2	11	6	5	4	2		1	4.6
Runaway rolling stock	14	10	14	15	15	19	13	9	9	8	12.6
Crew member incapacitated	2	1	4	5		1				1	2.3
Dangerous goods leakage	33	7								1	13.7
Main-track train derailment ¹	3	5	3	4	3	1	2	1		2	2.7
Non-main-track train derailment ¹	125	97	67	96	58	32	39	111	67	69	76.1
Non-main track train collision ¹	4	4	2	2		1	2	4	3		2.8
Derailment involving track unit ¹	10	13	5	5	7	9	4	4	12	15	8.4
Rolling stock with object ²	10	14	3		1	2	6	6	6	7	6.1
Rolling stock with abandoned vehicle ²	5	5		1		1	1				2.6
Fire on railway right-of-way	2	1	1	1	42	46	145	88	56	46	42.8
Other incidents	1	0	0	0	1	5	0	1	0	0	0.8
Total Incidents	374	302	236	287	284	275	338	374	323	303	309.6
Million Train-Miles (MTM) ³	85.0	79.6	82.9	88.0	88.9	80.2	79.6	81.0	85.6	88.1	83.9
Accidents per MTM - Accident Rate	12.3	11.3	13.1	13.2	13.7	11.7	11.3	12.4	10.7	10.2	12.0
Accident Fatalities											
Crossing collision	15	19	19	19	28	18	17	14	13	12	17.4
Trespasser accident	30	47	52	34	38	40	41	51	53	56	44.2
Other	1	0	4	4	6	2	2	0	1	2	2.2
Total Fatalities	46	66	75	57	72	60	60	65	67	70	63.8
Accident Injuries											
Crossing collision	18	24	22	41	31	12	24	28	18	24	24.2
Trespasser accident	17	20	22	30	17	20	17	16	20	35	21.4
Other	15	12	21	19	17	8	11	14	6	9	13.2
Total Injuries	50	56	65	90	65	40	52	58	44	68	58.8

Accident Type	2015 ^R	2016 ^R	2017 ^R	2018 ^R	2019 ^R	2020 ^R	2021 ^R	2022 ^R	2023 ^R	2024 ^P	Average 2015-2024
Dangerous Goods Involved in Accidents	126	99	116	123	169	81	86	109	84	85	107.8
Passenger Train Accidents	46	56	50	66	47	31	41	51	36	42	46.6
Passenger Train-Miles (PTM) ⁴	6.1	6.5	5.9	6.8	6.9	2.8	3.7	3.7	6.3	6.5	5.5
Passenger Rate	7.5	8.6	8.5	9.7	6.8	11.0	11.2	13.9	5.8	6.4	8.9

Notes and Sources

Notes: P = Preliminary. R = Revised.

The reported occurrences cover only railways under federal jurisdiction. Final figures over preliminary and estimated figures historically have changed less than one per cent. Fatalities and serious injuries involved in incidents are not included in the Fatality and Serious Injury totals. For accident and reportable incident definitions, see Transportation Safety Board Regulation Web site: <http://www.tsb.gc.ca/eng/stats/rail/2011/ss11.asp#AppB>.

New TSB regulations came into effect on July 1, 2014, changing some reporting requirements: 1 = No Damage, 2 = No Derailment & No Damage

3 Train-miles include main track-miles and yard switching miles.

4 PTM = Passenger train-miles; figures are estimated.

Sources: Transport Canada, adapted from the Transportation Safety Board, Transport Canada (activity data)