

Rate Group 584 – School Buses

Member Firm Injury Performance

Based on the March 2020 Snapshot

Overall Injury Performance in Rate Group 584			
	2019	2018	% Change
Total Injury Rate (LTIs+NLTIs+Tr Fatalities)	2.72	3.05	-10.9%
Total Injury Count (LTIs+NLTIs+Tr Fatalities)	489	489	0.0%
Traumatic Fatalities Count	Allowed	0	1
	Pending	1	0
LTI Rate	1.18	1.20	-2.1%
LTI Count	212	193	9.8%
NLTI Count	277	295	-6.1%
FTE	17,981	16,018	12.3%

Lost Time Injury Profile. Rate Group 584						
	2019		2018		% Change	
	Count	Rate	Count	Rate	Count	Rate
MSDs	47	0.26	60	0.37	-21.7%	-30.2%
Falls	93	0.52	50	0.31	86.0%	65.7%
Machinery	-	-	-	-		
MVIs	34	0.19	38	0.24	-10.5%	-20.3%
Critical Injuries	25	0.14	25	0.16	0.0%	-10.9%
New Worker	8	0.04	6	0.04	33.3%	18.8%
Young Worker	2	0.01	1	0.01	100.0%	78.2%

High Impact Claims. Rate Group 584						
	2019		2018		% Change	
	Count	Rate	Count	Rate	Count	Rate
Lower Back	30	0.17	28	0.17	7.1%	-4.6%
Shoulder	11	0.06	12	0.07	-8.3%	-18.3%
Fractures	22	0.12	22	0.14	0.0%	-10.9%
Total HI Claims	30	0.17	28	0.17	7.1%	-4.6%

Definitions:

MSD (Musculoskeletal Disorders) – Based on the approved grouping of codes presented to OHSCO in March 2005, which includes the following: (Nature of Injury Category Code xx and Nature of Injury Code xxxxx) equals 021, 029, 082, 09720, 09730, 12410, 153, 170, 173, 174, 179, 41200, 41280, 41290, 41480, 41490 and Event (Type of Accident Category) equals (20, 21, 22, 23, 25, 26, 27, 29).

Falls – Event (Type of Accident Category) equals “Falls” (1).

Machinery – Event (Type of Accident Category) equals “Contact with Objects or Equipment” (0) and Source (Accident Source Category) equals “Machinery” (3).

MVI (Motor Vehicle Incident) – Event (Type of Accident Category) equals “Highway Accidents” (41).

Critical Injury – The count of Allowed Critical Injuries with an incident date in the calendar year indicated. Critical Injuries are based on the Critical Injury Indicator in EIW and includes the following: Places Life in Jeopardy (Traumatic injuries to spinal cord, Multiple traumatic injuries, Gunshot wounds, Drowning, Electrocutation, Internal injuries to organs, Other poisonings and toxic effects, Animal or insect bites), Fracture of a Leg or Arm but not a Finger or Toe (excludes wrist and ankle), Amputation of a Leg, Arm, Hand or Foot but not a Finger or Toe, Produces Unconsciousness (Concussions, Cerebral Haemorrhages, Intracranial injuries), The Loss of Sight in an Eye (Blindness, Enucleations), Burns to a Major Portion of the Body (First-degree burns and multiple burns).

New Worker – The Count of Allowed LTIs by New Worker for LTIs with an incident date in the calendar year indicated. A New Worker is defined as having worked 28 days or less with same employer (Incident Date – Hire Date).

Young Worker – The Count of Allowed LTIs by Worker of age less than 25 years old at an incident date.

Contact – Event (Type of Accident Category) equals “Contact with Objects or Equipment” (0).

High Impact Claims - Lower Back – Part of Body Code equals 23100, 23300, 23390, 23400, 23901.

High Impact Claims - Shoulder – Part of Body Code equals 21000.

High Impact Claims - Fracture – Nature of Injury Code equals 01200 and not Part of Body Code equals 21000, 23100, 23300, 23390, 23400, 23901.

Please note that Priority Hazards (MSD, Falls, Machinery, MVI) are mutually exclusive where as Critical Injuries, New Worker LTIs, Young Worker LTIs, High Impact LTIs and Contact LTIs are NOT mutually exclusive.

Rate Group 584 – School Buses

Member Injury Performance Analysis for 2015-2019

Based on March 2020 Snapshot

Overall Injury Performance Rate Group 584								
Year	LTIs			Non LTIs		Total*		Derived FTE
	Count	Rate	Traumatic Fatalities	Count	Rate	Count	Rate	
2015	154	0.95	0	239	1.47	393	2.42	16,232
2016	180	1.10	0	310	1.89	490	2.98	16,424
2017	186	1.21	1	274	1.79	461	3.00	15,342
2018	193	1.20	1	295	1.84	489	3.05	16,018
2019	212	1.18	0	277	1.54	489	2.72	17,981

*Total Injury Count = Traumatic Fatality Count + LTI Count + Non LTI Count

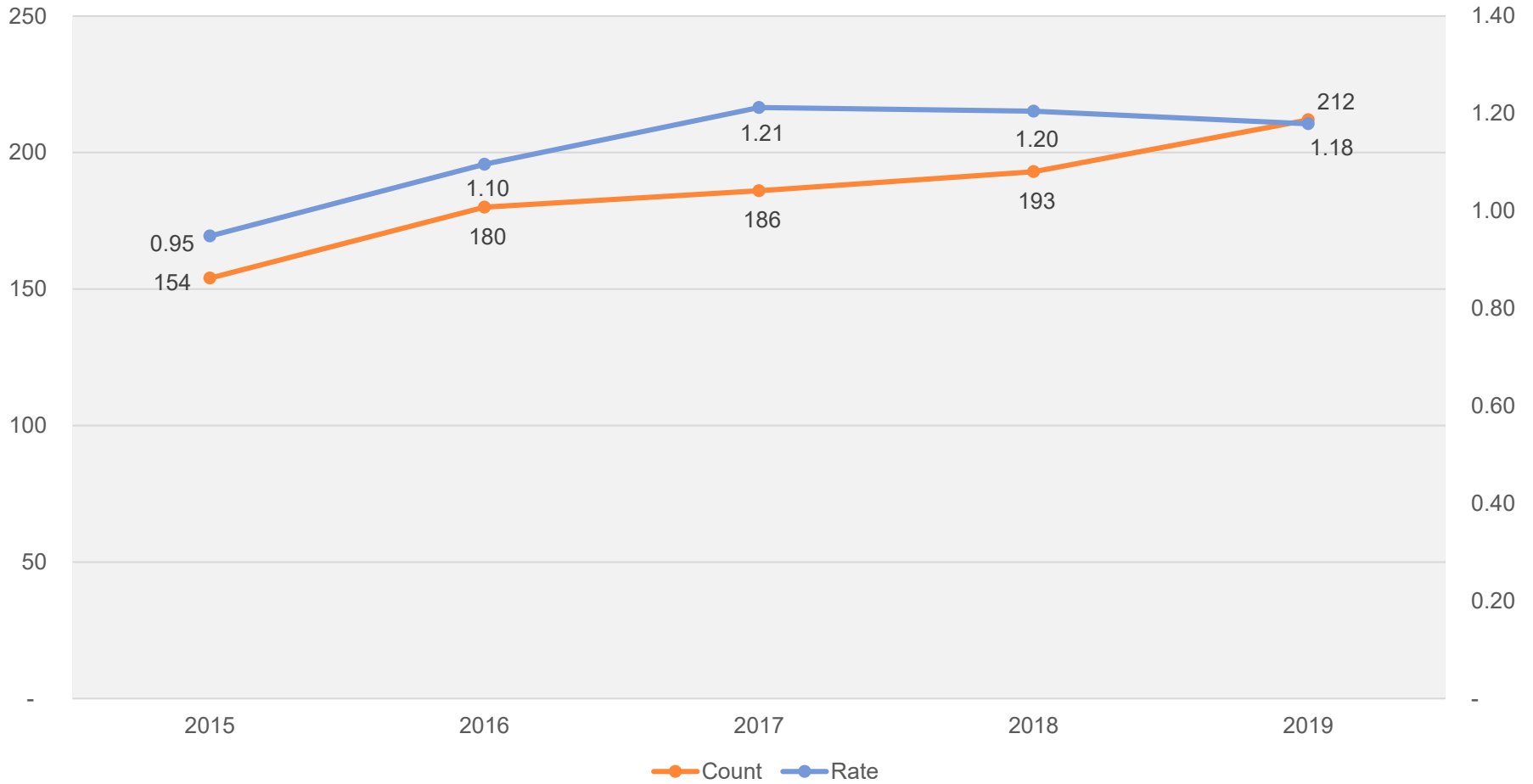
Lost-time Injury Profile Rate Group 584														
Year	MSDs		Falls		Machinery		MVIs		Critical Injuries		New Worker		Young Worker	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate
2015	37	0.23	58	0.36	3	0.02	31	0.19	16	0.10	1	0.01	3	0.02
2016	48	0.29	71	0.43	-	-	28	0.17	11	0.07	4	0.02	1	0.01
2017	48	0.31	66	0.43	-	-	33	0.22	20	0.13	2	0.01	5	0.03
2018	60	0.37	50	0.31	-	-	38	0.24	25	0.16	6	0.04	1	0.01
2019	47	0.26	93	0.52	-	-	34	0.19	25	0.14	8	0.04	2	0.01

High Impact Lost-time Injury Profile
Rate Group 584

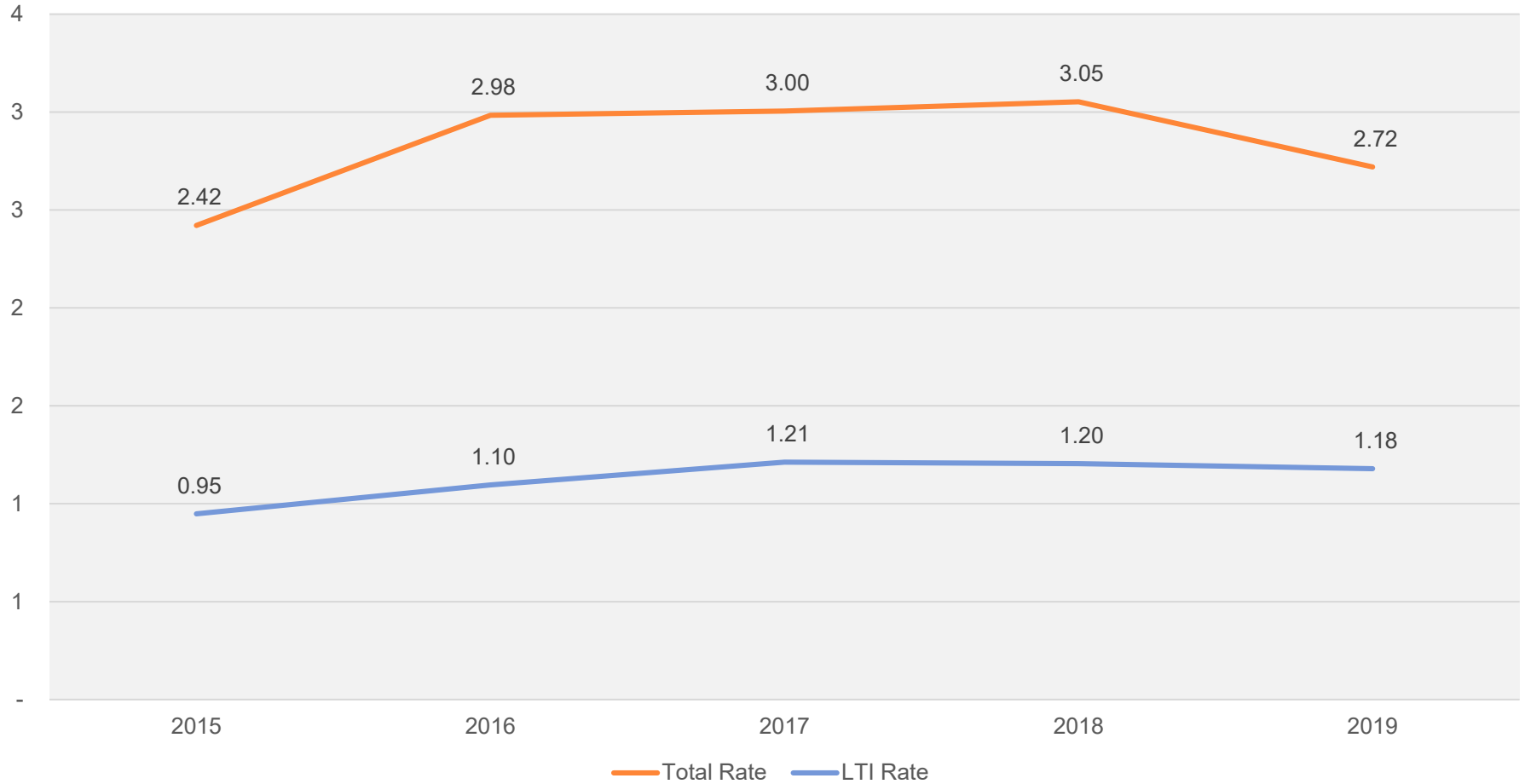
Year	Lower Back		Shoulder		Fracture		Total	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate
2015	23	0.14	13	0.08	29	0.18	60	0.37
2016	17	0.10	21	0.13	26	0.16	62	0.38
2017	19	0.12	16	0.10	27	0.18	65	0.42
2018	28	0.17	12	0.07	22	0.14	57	0.36
2019	30	0.17	11	0.06	22	0.12	61	0.34

Rate Group 584 - SCHOOL BUSES

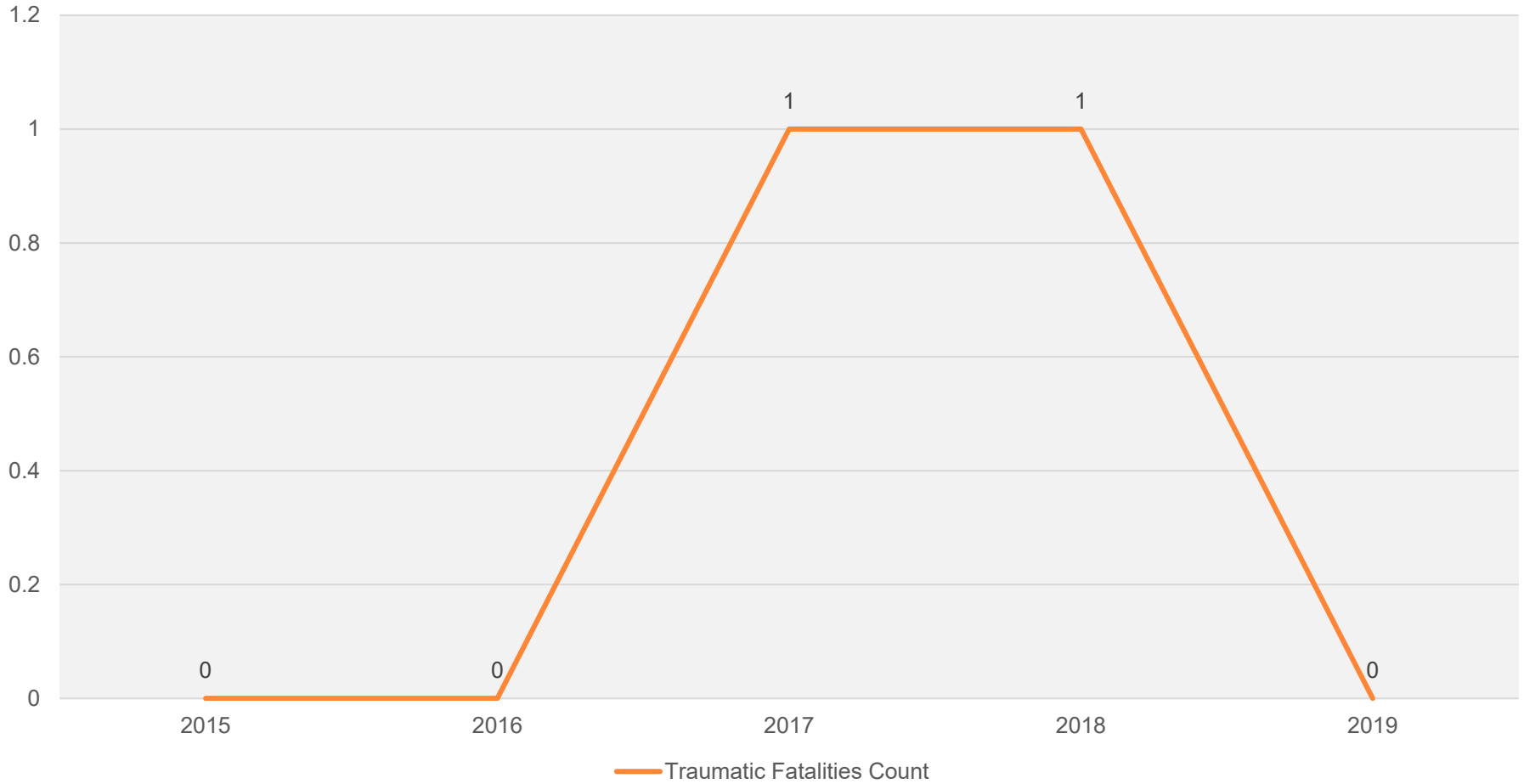
LTI Count and Rate for 2015-2019 based on March 2020 snapshot



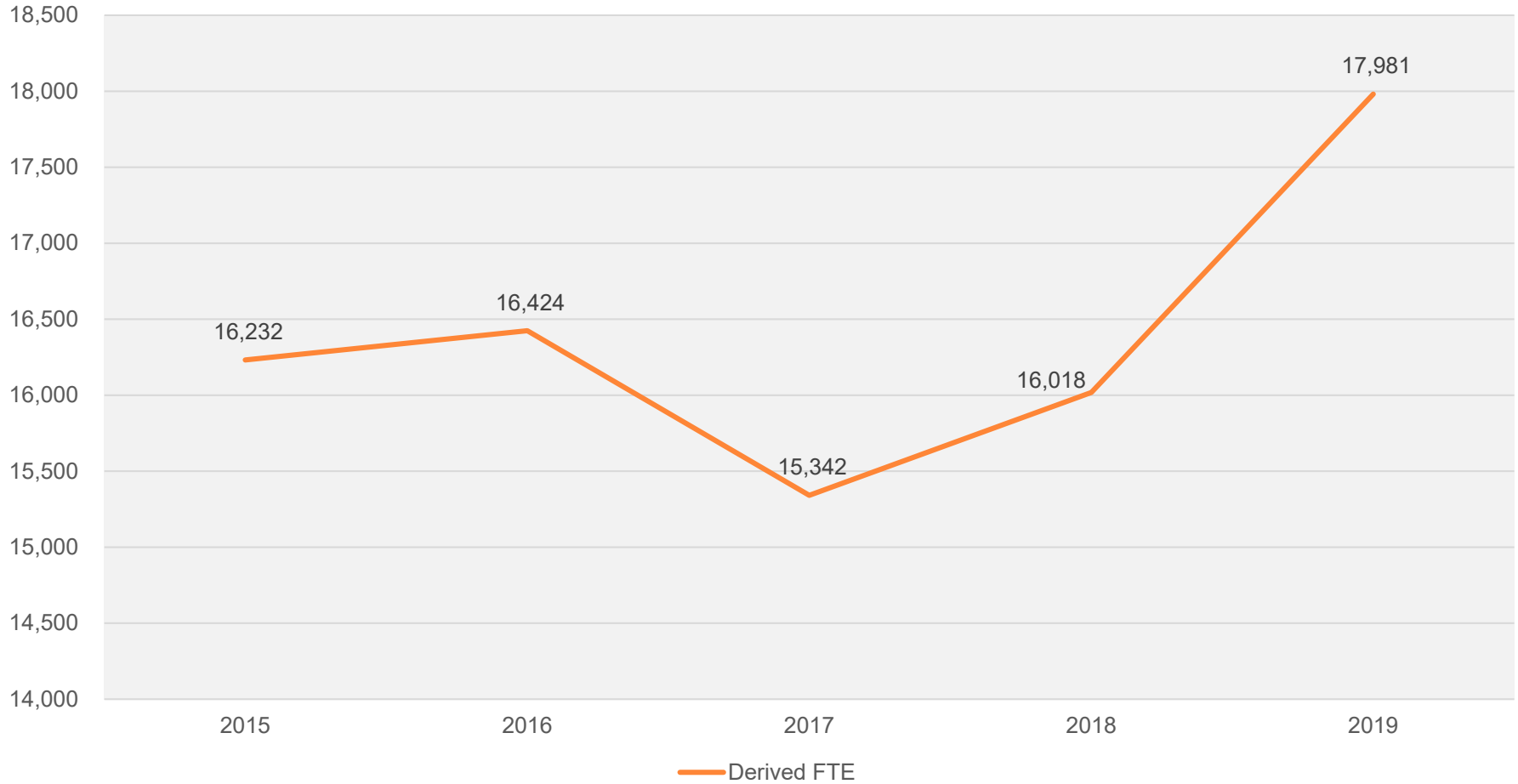
Rate Group 584 - SCHOOL BUSES LTI Rate and Total Rate for 2015-2019 based on March 2020 snapshot



Rate Group 584 - SCHOOL BUSES Traumatic Fatalities for 2015-2019 based on March 2020 snapshot



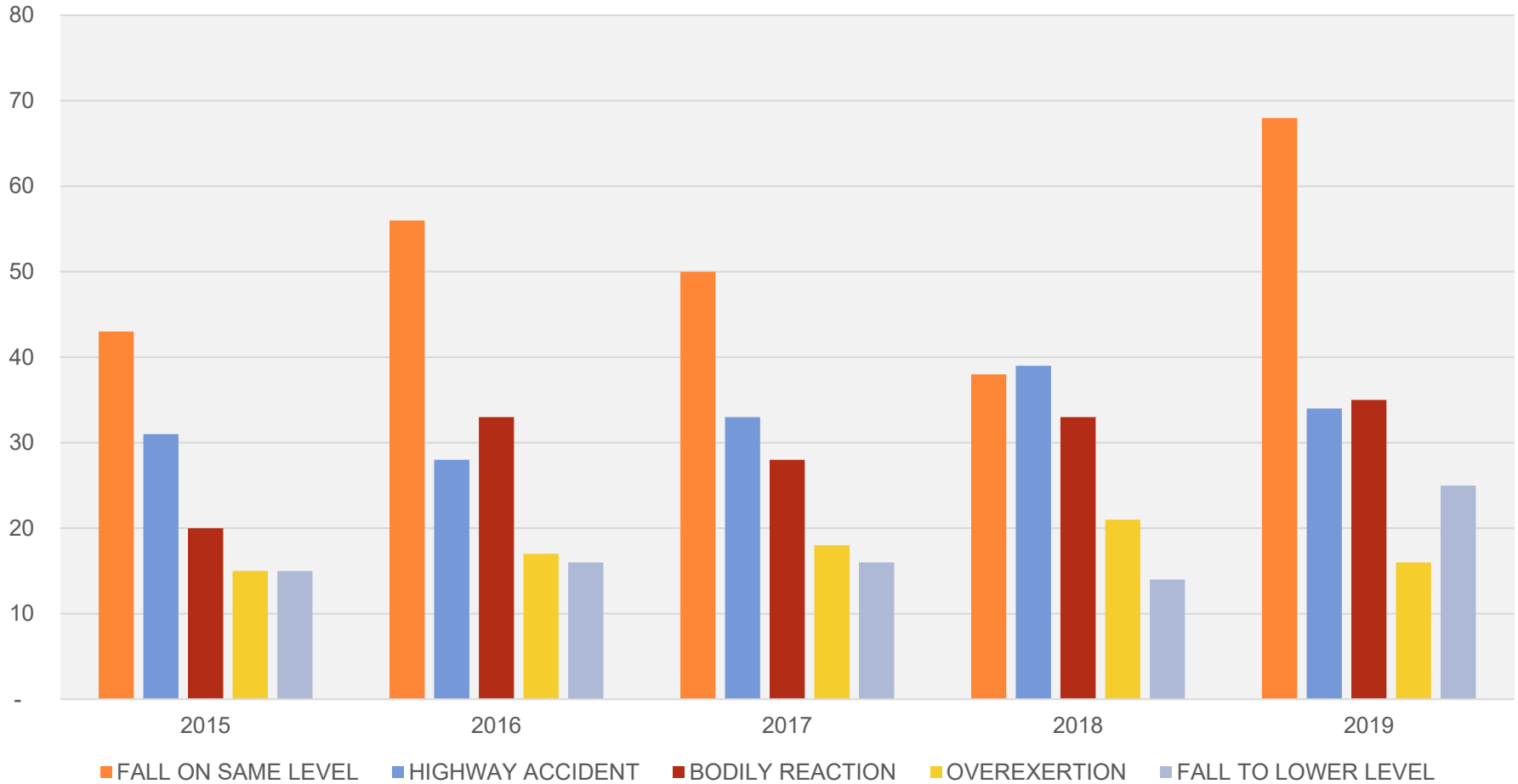
Rate Group 584 - SCHOOL BUSES Derived FTE for 2015-2019 based on March 2020 snapshot



Top 5 Most Common Incident Types
Rate Group 584

Year	FALL ON SAME LEVEL		HIGHWAY ACCIDENT		BODILY REACTION		OVEREXERTION		FALL TO LOWER LEVEL		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	43	27.7%	31	20.0%	20	12.9%	15	9.7%	15	9.7%	124	80.0%
2016	56	30.9%	28	15.5%	33	18.2%	17	9.4%	16	8.8%	150	82.9%
2017	50	26.9%	33	17.7%	28	15.1%	18	9.7%	16	8.6%	145	78.0%
2018	38	19.4%	39	19.9%	33	16.8%	21	10.7%	14	7.1%	145	74.0%
2019	68	32.1%	34	16.0%	35	16.5%	16	7.5%	25	11.8%	178	84.0%

Rate Group 584 - SCHOOL BUSES Top 5 Incident Types for 2015-2019 based on March 2020 snapshot

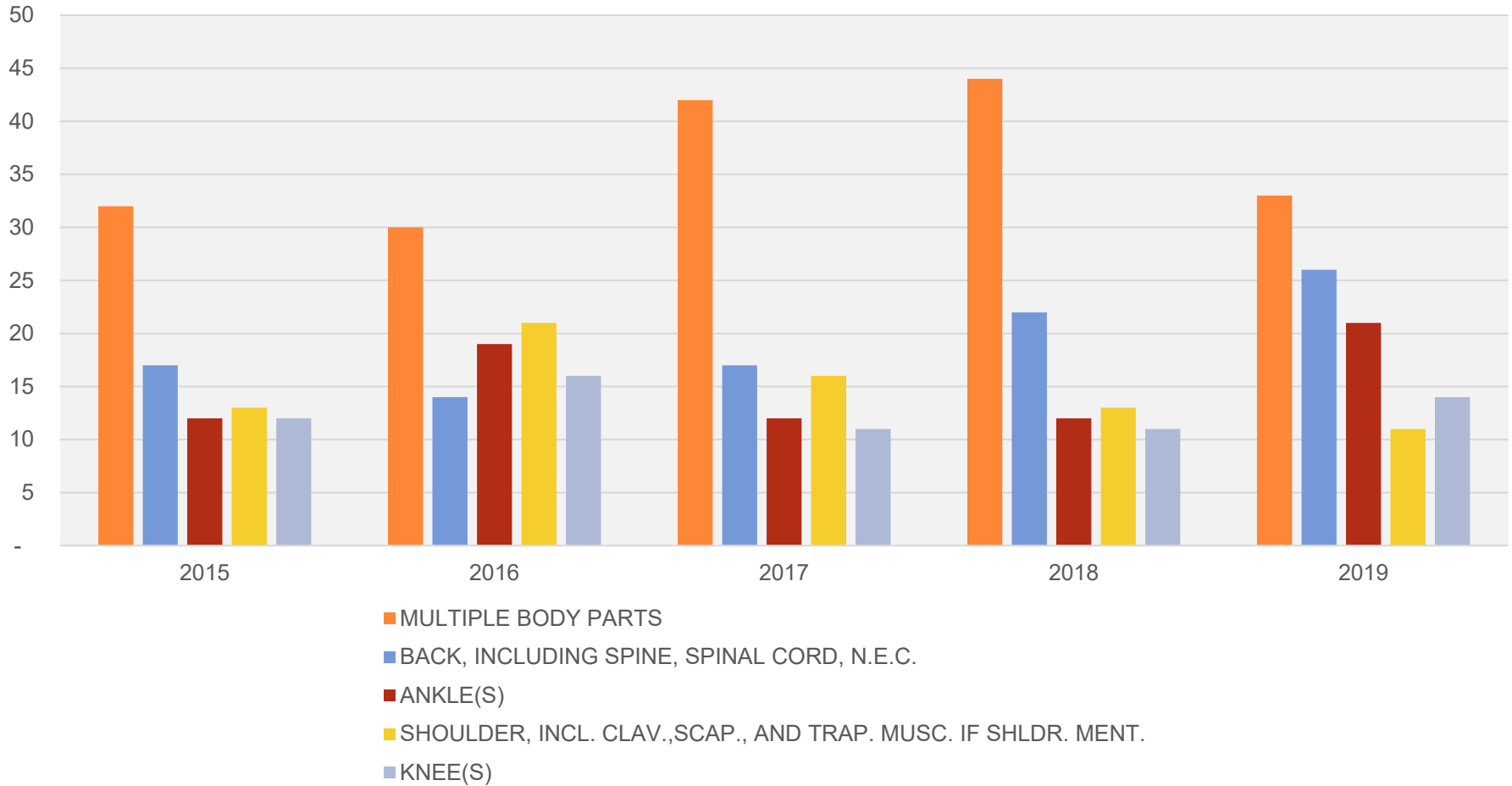


**Top 5 Most Common Parts of Body Injured
Rate Group 584**

Year	MULTIPLE BODY PARTS		BACK, INCLUDING SPINE, SPINAL CORD, N.E.C.		ANKLE(S)		SHOULDER, INCL. CLAV., SCAP., AND TRAP. MUSC. IF SHLDR. MENT.		KNEE(S)		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	32	20.6%	17	11.0%	12	7.7%	13	8.4%	12	7.7%	86	55.5%
2016	30	16.6%	14	7.7%	19	10.5%	21	11.6%	16	8.8%	100	55.2%
2017	42	22.6%	17	9.1%	12	6.5%	16	8.6%	11	5.9%	98	52.7%
2018	44	22.4%	22	11.2%	12	6.1%	13	6.6%	11	5.6%	102	52.0%
2019	33	15.6%	26	12.3%	21	9.9%	11	5.2%	14	6.6%	105	49.5%

Rate Group 584 - SCHOOL BUSES

Top 5 Parts of Body Injured for 2015-2019 based on March 2020 snapshot

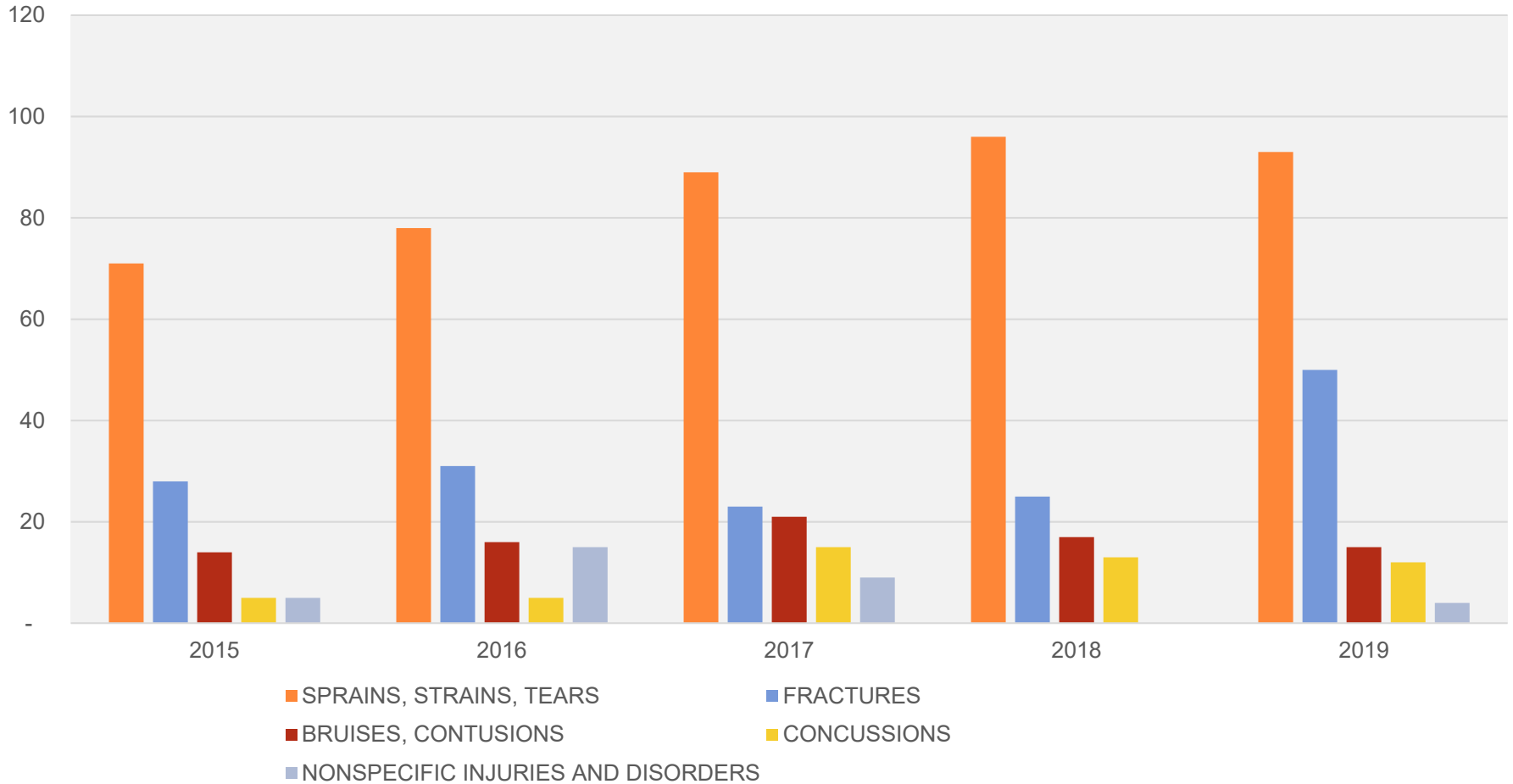


**Top 5 Most Common Nature of Injury Categories
Rate Group 584**

Year	SPRAINS, STRAINS, TEARS		FRACTURES		BRUISES, CONTUSIONS		CONCUSSIONS		NONSPECIFIC INJURIES AND DISORDERS		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	71	45.8%	28	18.1%	14	9.0%	5	3.2%	5	3.2%	123	79.4%
2016	78	43.1%	31	17.1%	16	8.8%	5	2.8%	15	8.3%	145	80.1%
2017	89	47.8%	23	12.4%	21	11.3%	15	8.1%	9	4.8%	157	84.4%
2018	96	49.0%	25	12.8%	17	8.7%	13	6.6%	-	0.0%	151	77.0%
2019	93	43.9%	50	23.6%	15	7.1%	12	5.7%	4	1.9%	174	82.1%

Rate Group 584 - SCHOOL BUSES

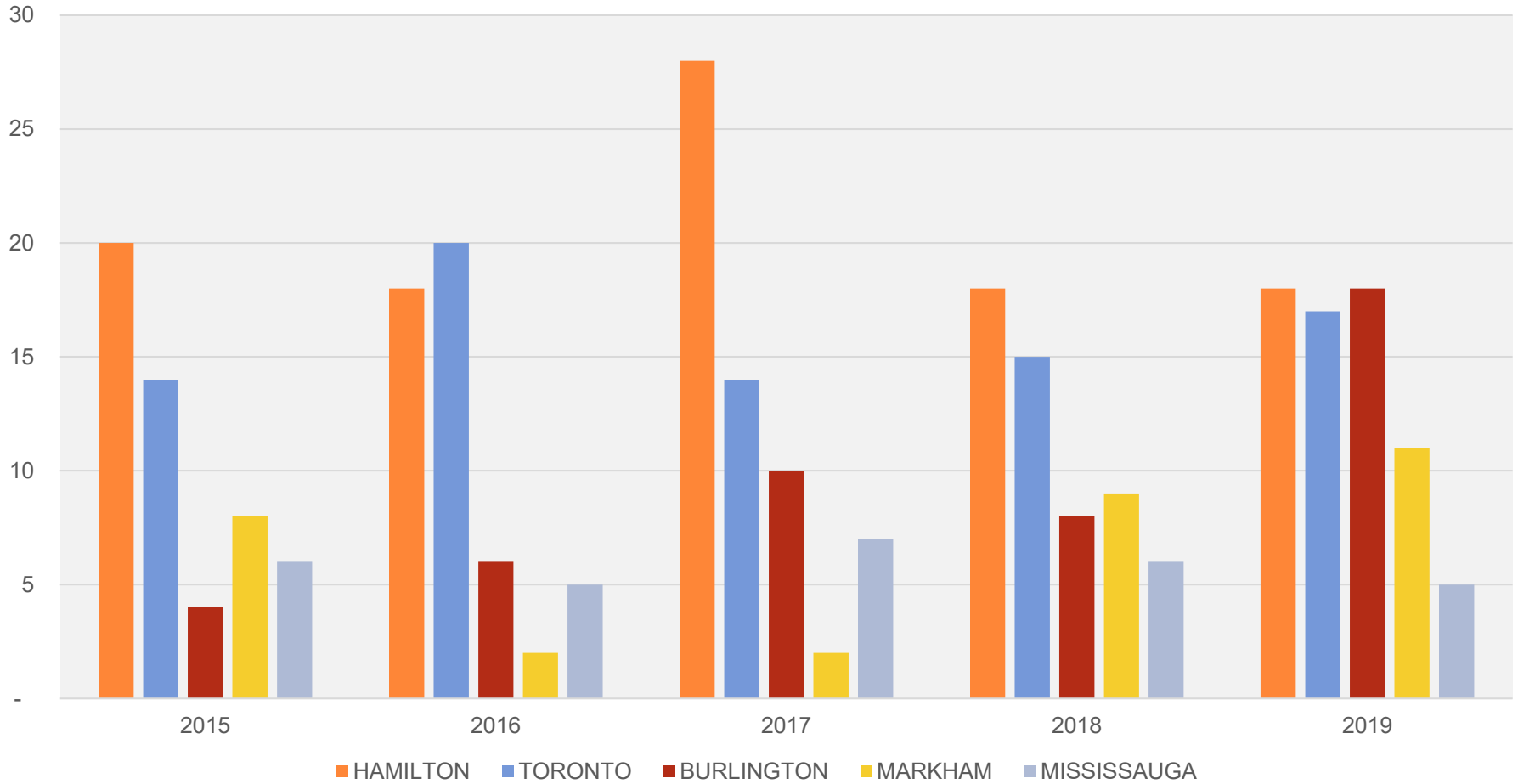
Top 5 Nature of Injury Categories for 2015-2019 based on March 2020 snapshot



**Top 5 Most Common Incident Places
Rate Group 584**

Year	HAMILTON		TORONTO		BURLINGTON		MARKHAM		MISSISSAUGA		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	20	12.9%	14	9.0%	4	2.6%	8	5.2%	6	3.9%	52	33.5%
2016	18	9.9%	20	11.0%	6	3.3%	2	1.1%	5	2.8%	51	28.2%
2017	28	15.1%	14	7.5%	10	5.4%	2	1.1%	7	3.8%	61	32.8%
2018	18	9.2%	15	7.7%	8	4.1%	9	4.6%	6	3.1%	56	28.6%
2019	18	8.5%	17	8.0%	18	8.5%	11	5.2%	5	2.4%	69	32.5%

Rate Group 584 - SCHOOL BUSES Top 5 Incident Places for 2015-2019 based on March 2020 snapshot

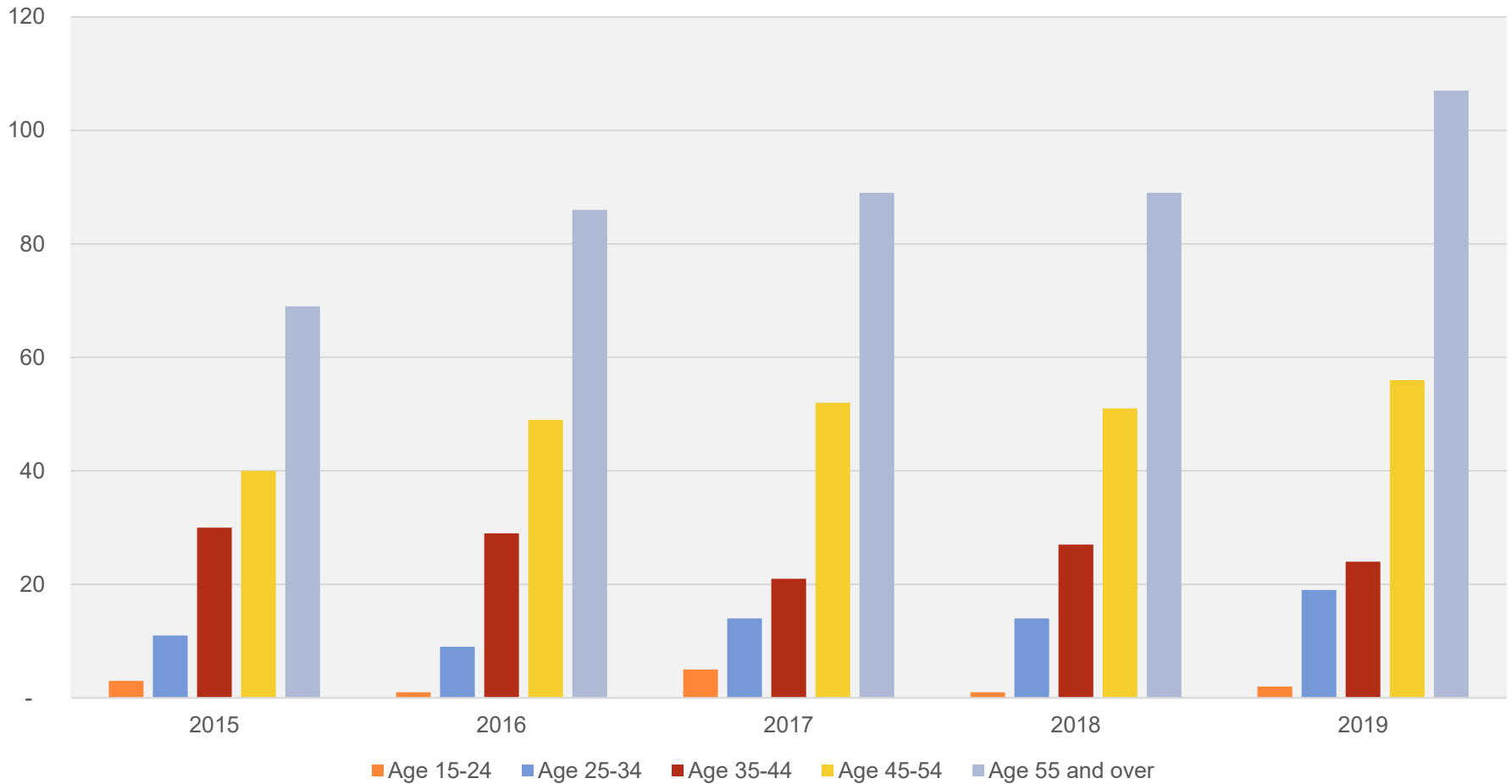


Age Band Breakdown
Rate Group 584

Year	Child		Age 15-24		Age 25-34		Age 35-44		Age 45-54		Age 55 and over		Age Unknown	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	-	0.0%	3	1.9%	11	7.1%	30	19.4%	40	25.8%	69	44.5%	-	0.0%
2016	-	0.0%	1	0.6%	9	5.0%	29	16.0%	49	27.1%	86	47.5%	-	0.0%
2017	-	0.0%	5	2.7%	14	7.5%	21	11.3%	52	28.0%	89	47.8%	-	0.0%
2018	-	0.0%	1	0.5%	14	7.1%	27	13.8%	51	26.0%	89	45.4%	-	0.0%
2019	-	0.0%	2	0.9%	19	9.0%	24	11.3%	56	26.4%	107	50.5%	-	0.0%

Rate Group 584 - SCHOOL BUSES

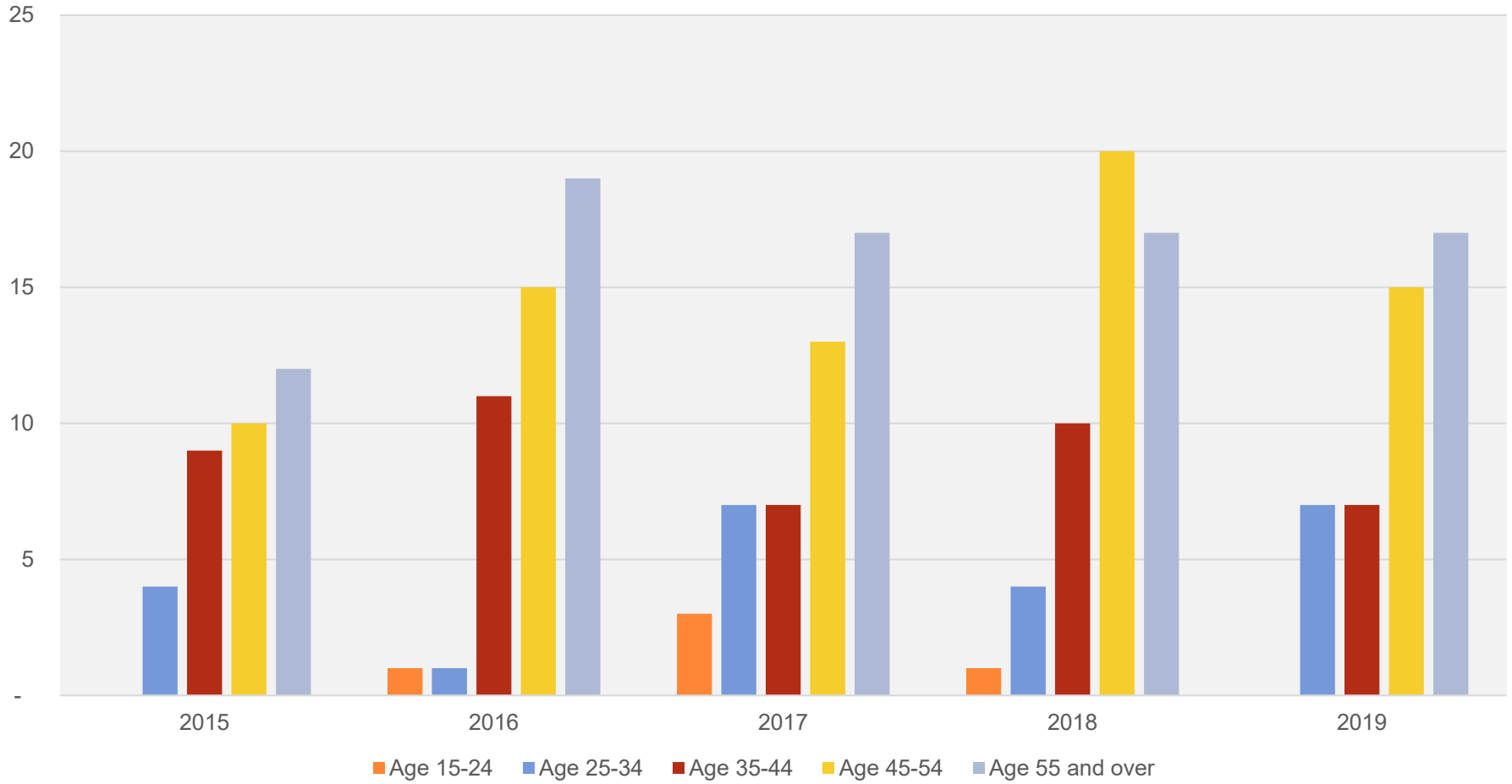
LTIs by Age Band for 2015-2019 based on March 2020 snapshot



MSD Breakdown by Age Band
Rate Group 584

Year	Child		Age 15-24		Age 25-34		Age 35-44		Age 45-54		Age 55 and over		Age Unknown	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	-	0.0%	-	0.0%	4	10.8%	9	24.3%	10	27.0%	12	32.4%	-	0.0%
2016	-	0.0%	1	2.1%	1	2.1%	11	22.9%	15	31.3%	19	39.6%	-	0.0%
2017	-	0.0%	3	6.3%	7	14.6%	7	14.6%	13	27.1%	17	35.4%	-	0.0%
2018	-	0.0%	1	1.8%	4	7.0%	10	17.5%	20	35.1%	17	29.8%	-	0.0%
2019	-	0.0%	-	0.0%	7	14.9%	7	14.9%	15	31.9%	17	36.2%	-	0.0%

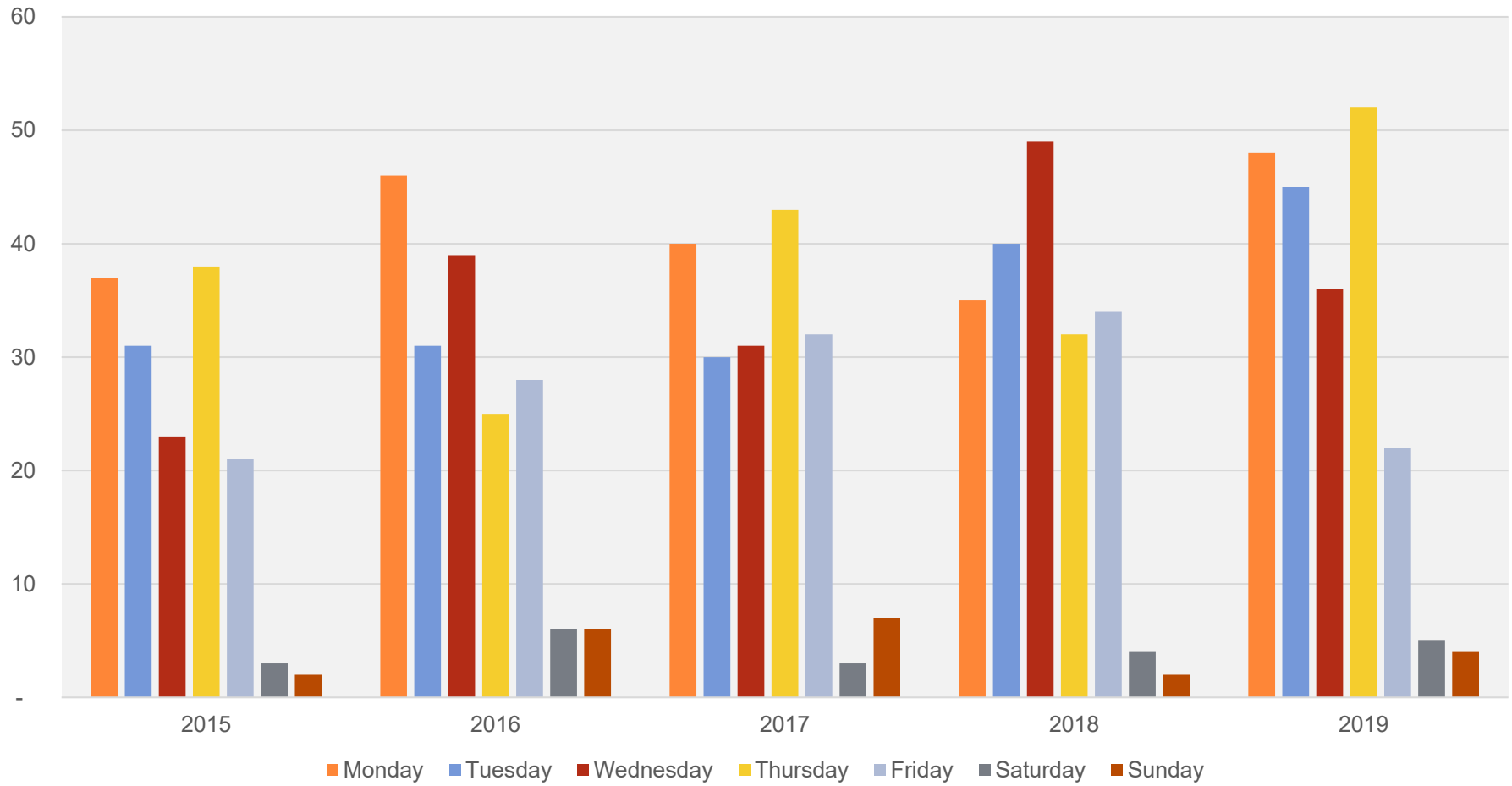
Rate Group 584 - SCHOOL BUSES
MSD by Age Band for for 2015-2019 based on March 2020 snapshot



LTI Breakdown by Day of Week
Rate Group 584

Year	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	37	23.9%	31	20.0%	23	14.8%	38	24.5%	21	13.5%	3	1.9%	2	1.3%
2016	46	25.4%	31	17.1%	39	21.5%	25	13.8%	28	15.5%	6	3.3%	6	3.3%
2017	40	21.5%	30	16.1%	31	16.7%	43	23.1%	32	17.2%	3	1.6%	7	3.8%
2018	35	17.9%	40	20.4%	49	25.0%	32	16.3%	34	17.3%	4	2.0%	2	1.0%
2019	48	22.6%	45	21.2%	36	17.0%	52	24.5%	22	10.4%	5	2.4%	4	1.9%

Rate Group 584 - SCHOOL BUSES LTIs by Day of Week for 2015-2019 based on March 2020 snapshot



LTI Breakdown By Month
Rate Group 584

Month	2015		2016		2017		2018		2019	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
January	24	15.5%	24	13.3%	22	11.8%	29	14.8%	32	15.1%
February	30	19.4%	13	7.2%	23	12.4%	18	9.2%	28	13.2%
March	16	10.3%	15	8.3%	18	9.7%	12	6.1%	14	6.6%
April	13	8.4%	12	6.6%	22	11.8%	20	10.2%	13	6.1%
May	5	3.2%	11	6.1%	19	10.2%	11	5.6%	19	9.0%
June	9	5.8%	14	7.7%	9	4.8%	13	6.6%	9	4.2%
July	6	3.9%	5	2.8%	8	4.3%	9	4.6%	5	2.4%
August	9	5.8%	6	3.3%	2	1.1%	5	2.6%	7	3.3%
September	7	4.5%	13	7.2%	17	9.1%	28	14.3%	22	10.4%
October	12	7.7%	14	7.7%	16	8.6%	13	6.6%	18	8.5%
November	14	9.0%	29	16.0%	15	8.1%	26	13.3%	18	8.5%
December	10	6.5%	25	13.8%	15	8.1%	12	6.1%	27	12.7%

Rate Group 584 - SCHOOL BUSES

LTIs by Month for 2015-2019 based on March 2020 snapshot

