

Rate Group 584 – School Buses

Member Firm Injury Performance

Based on the March 2019 Snapshot

Overall Injury Performance in Rate Group 584				
		2018	2017	% Change
Total Injury Rate (LTIs+NLTIs+Tr Fatalities)		3.01	2.99	0.7%
Total Injury Count (LTIs+NLTIs+Tr Fatalities)		482	459	5.0%
Traumatic Fatalities Count	Allowed	0	1	-
	Pending	1	0	-
LTI Rate		1.17	1.23	-5.1%
LTI Count		187	189	-1.1%
NLTI Count		295	269	9.7%
FTE		16,001	15,339	4.3%

Lost Time Injury Profile. Rate Group 584						
	2018		2017		% Change	
	Count	Rate	Count	Rate	Count	Rate
MSDs	59	0.37	48	0.31	22.9%	17.8%
Falls	49	0.31	67	0.44	-26.9%	-29.9%
Machinery	-	-	-	-	-	-
MVIs	35	0.22	34	0.22	2.9%	-1.3%
Critical Injuries	25	0.16	20	0.13	25.0%	19.8%
New Worker	8	0.05	6	0.04	33.3%	27.8%
Young Worker	1	0.01	5	0.03	-80.0%	-80.8%

High Impact Claims. Rate Group 584						
	2018		2017		% Change	
	Count	Rate	Count	Rate	Count	Rate
Lower Back	27	0.17	19	0.12	42.1%	36.2%
Shoulder	12	0.07	16	0.10	-25.0%	-28.1%
Fractures	22	0.14	22	0.14	0.0%	-4.1%
Total HI Claims	61	0.38	57	0.37	7.0%	2.6%

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 2014-2018

Based on March 2019 Snapshot

Overall Injury Performance Rate Group 584								
Year	LTIs			Non LTIs		Total*		Derived FTE
	Count	Rate	Traumatic Fatalities	Count	Rate	Count	Rate	
2014	182	1.16	0	289	1.84	471	3.00	15,726
2015	153	0.94	0	239	1.47	392	2.42	16,231
2016	180	1.10	0	309	1.88	489	2.98	16,418
2017	189	1.23	1	269	1.75	459	2.99	15,339
2018	187	1.17	0	295	1.84	482	3.01	16,001

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

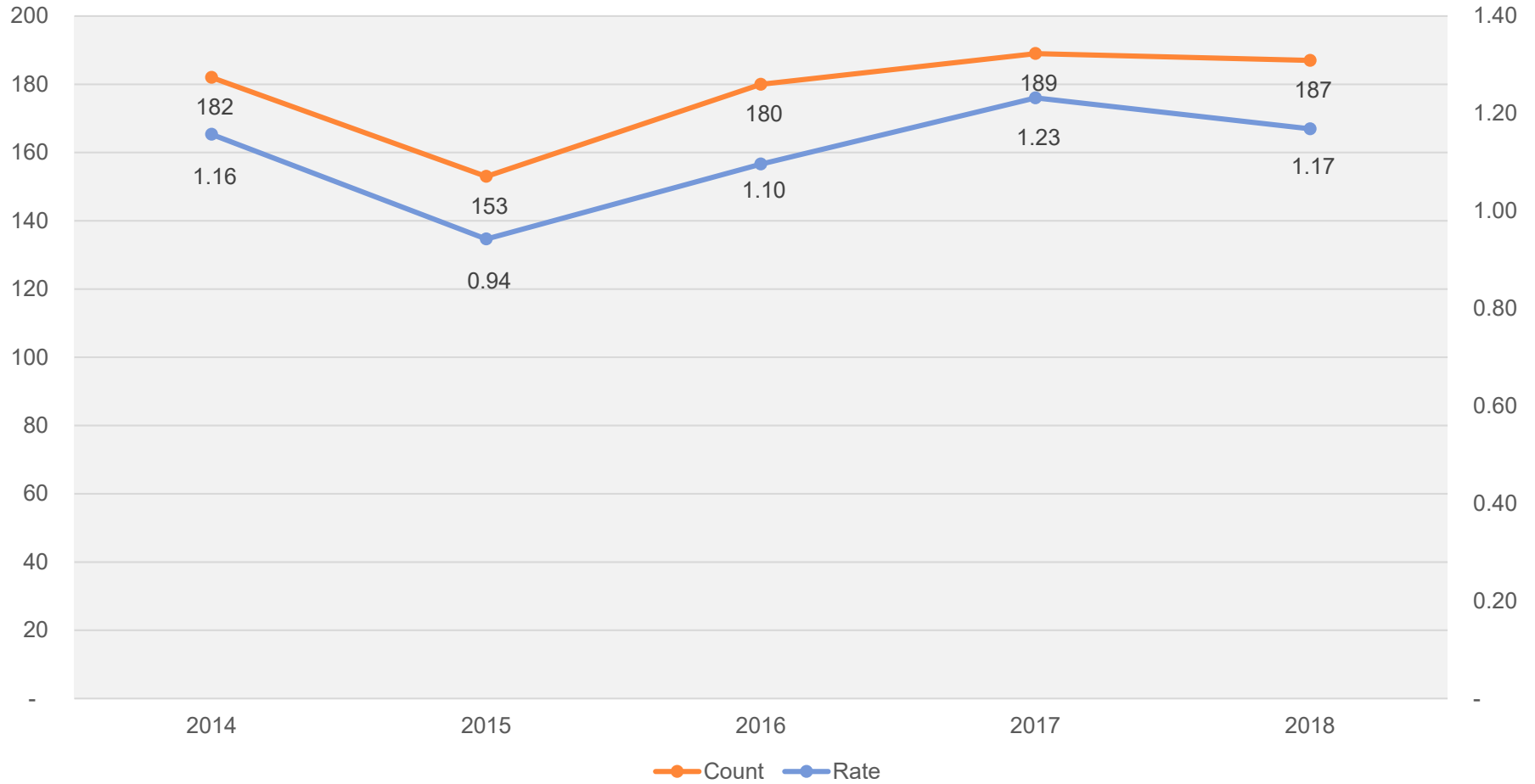
Lost-time Injury Profile Rate Group 584														
Year	MSDs		Falls		Machinery		MVIs		Critical Injuries		New Worker		Young Worker	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate
2014	46	0.29	71	0.45	-	-	24	0.15	14	0.09	1	0.01	1	0.01
2015	37	0.23	57	0.35	3	0.02	31	0.19	15	0.09	4	0.02	3	0.02
2016	48	0.29	71	0.43	-	-	28	0.17	11	0.07	2	0.01	1	0.01
2017	48	0.31	67	0.44	-	-	34	0.22	20	0.13	6	0.04	5	0.03
2018	59	0.37	49	0.31	-	-	35	0.22	25	0.16	8	0.05	1	0.01

High Impact Lost-time Injury Profile
Rate Group 584

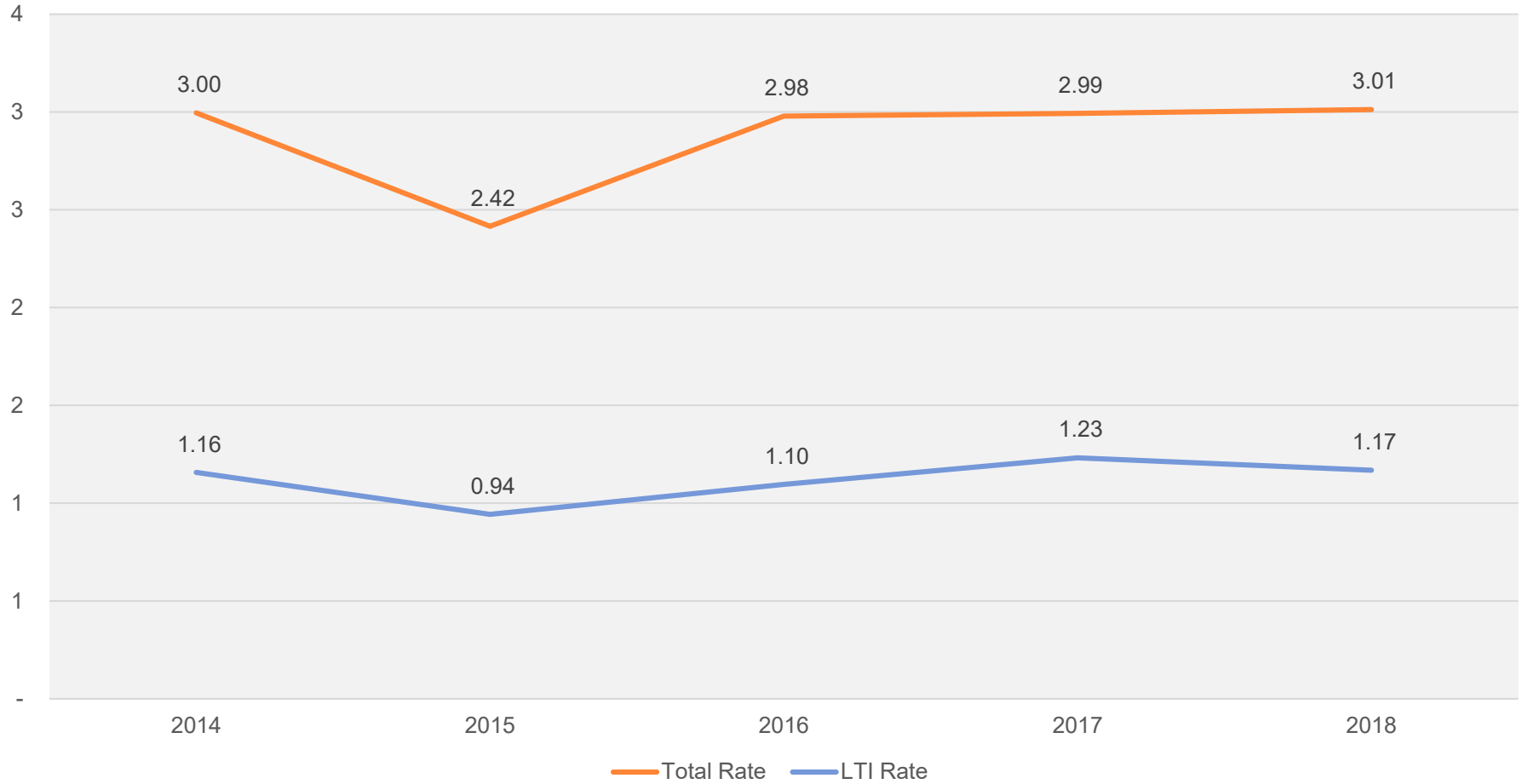
Year	Lower Back		Shoulder		Fracture		Total	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate
2014	18	0.11	13	0.08	29	0.18	60	0.38
2015	23	0.14	13	0.08	26	0.16	62	0.38
2016	17	0.10	21	0.13	27	0.16	65	0.40
2017	19	0.12	16	0.10	22	0.14	57	0.37
2018	27	0.17	12	0.07	22	0.14	61	0.38

Rate Group 584 - SCHOOL BUSES

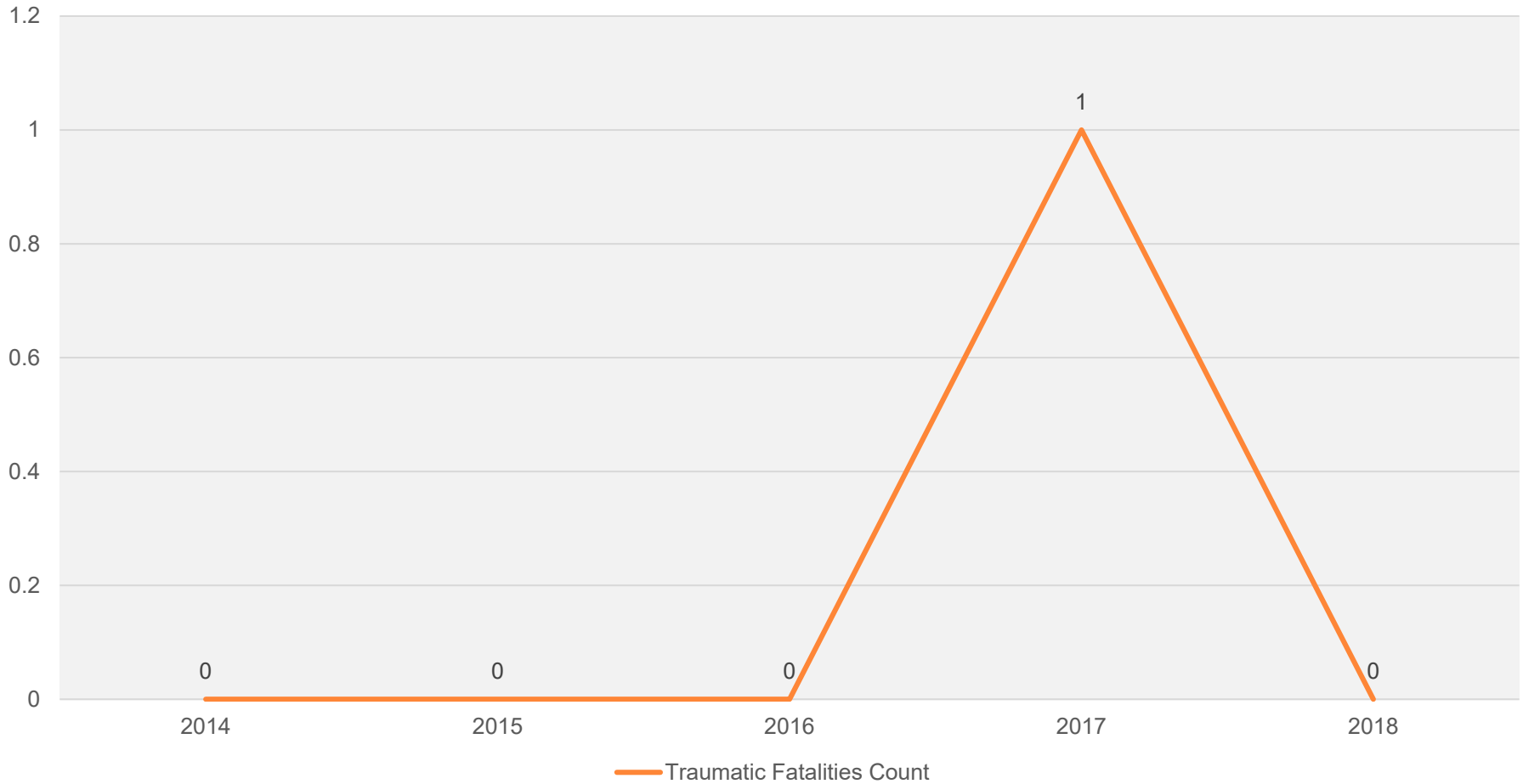
LTI Count and Rate for 2014-2018 based on March 2019 snapshot



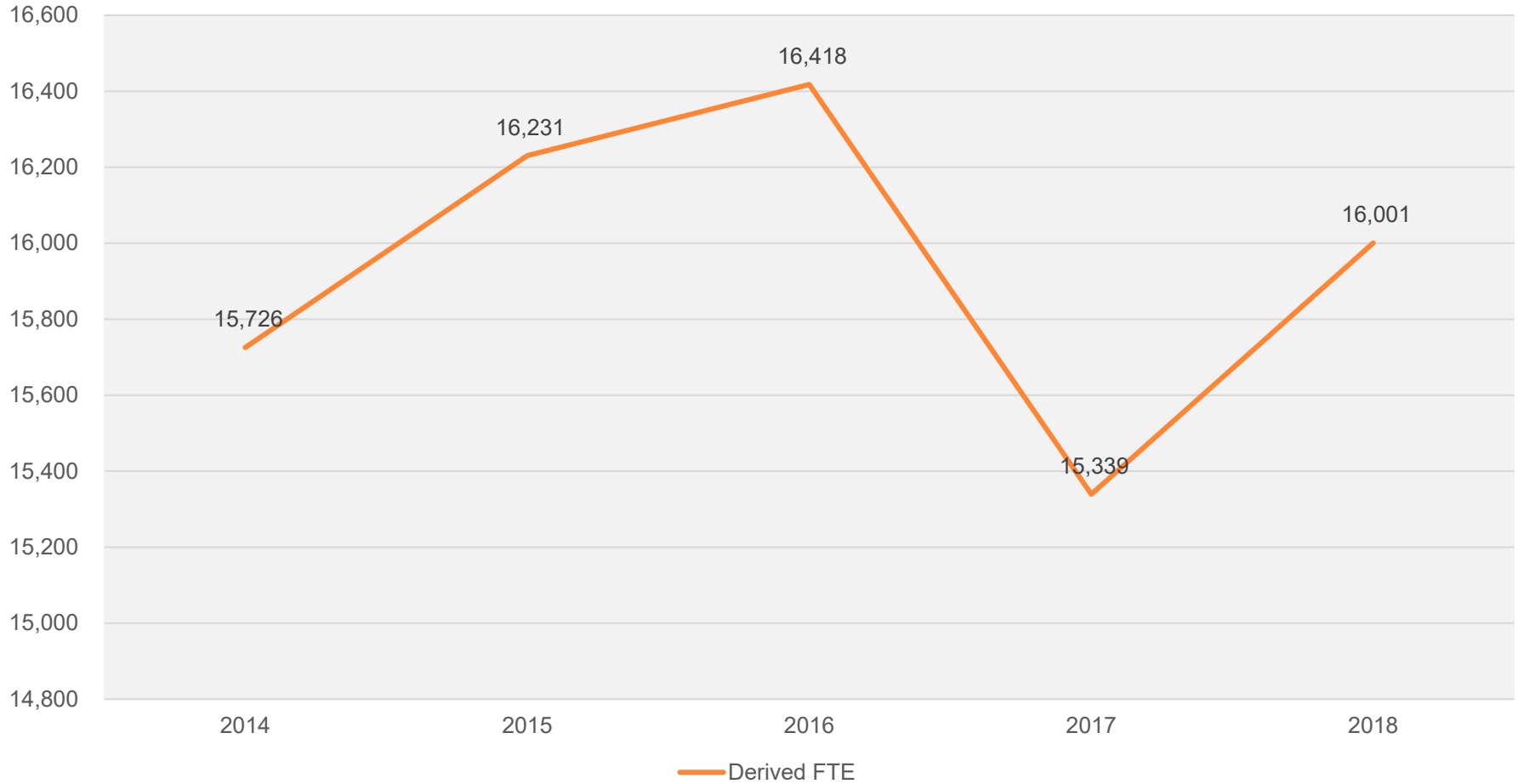
Rate Group 584 - SCHOOL BUSES LTI Rate and Total Rate for 2014-2018 based on March 2019 snapshot



Rate Group 584 - SCHOOL BUSES Traumatic Fatalities for 2014-2018 based on March 2019 snapshot



Rate Group 584 - SCHOOL BUSES Derived FTE for 2014-2018 based on March 2019 snapshot

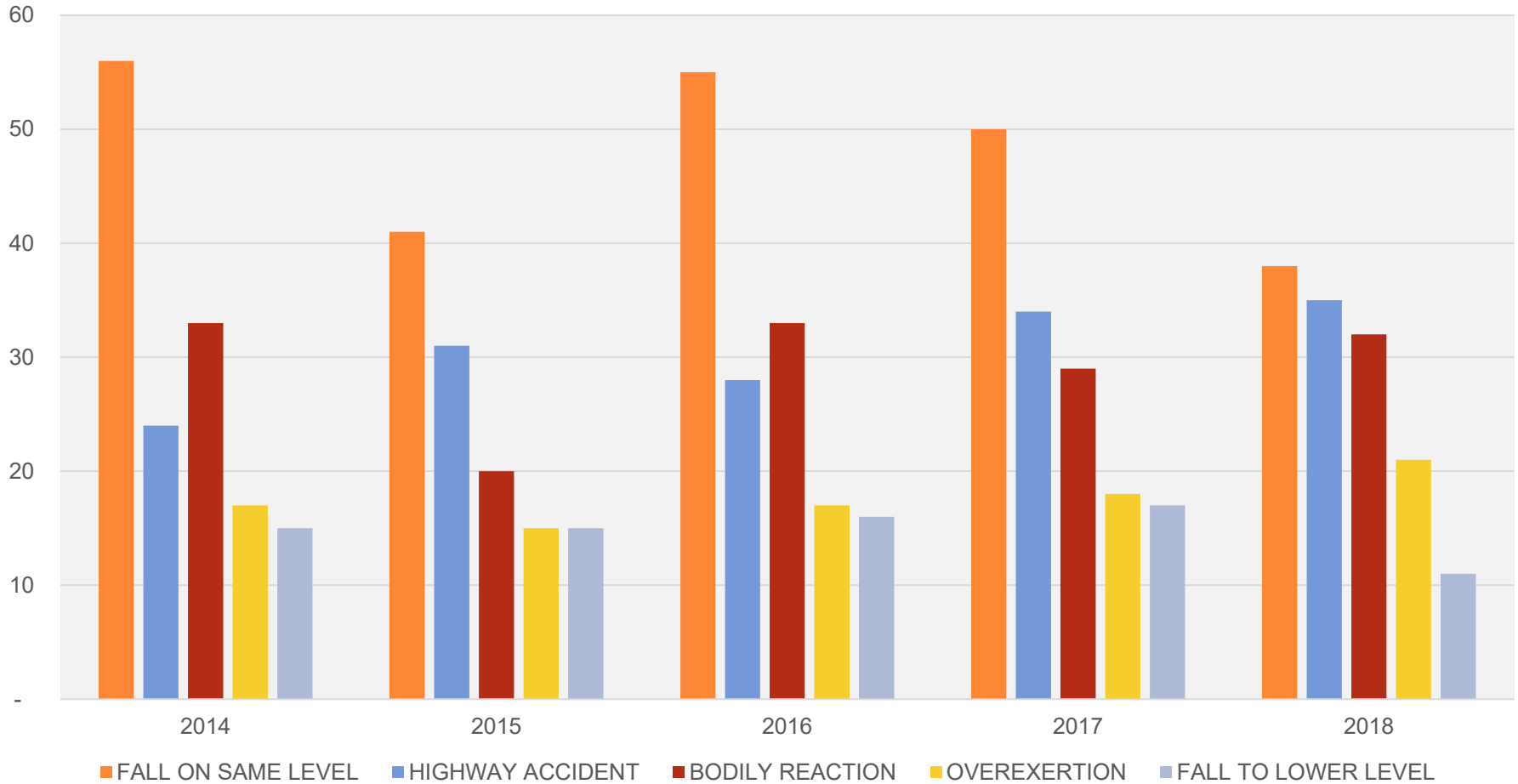


Top 5 Most Common Incident Types
Rate Group 584

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
2014	56	30.8%	24	13.2%	33	18.1%	17	9.3%	15	8.2%	145	79.7%
2015	41	26.8%	31	20.3%	20	13.1%	15	9.8%	15	9.8%	122	79.7%
2016	55	30.6%	28	15.6%	33	18.3%	17	9.4%	16	8.9%	149	82.8%
2017	50	26.5%	34	18.0%	29	15.3%	18	9.5%	17	9.0%	148	78.3%
2018	38	20.3%	35	18.7%	32	17.1%	21	11.2%	11	5.9%	137	73.3%

Rate Group 584 - SCHOOL BUSES

Top 5 Incident Types for 2014-2018 based on March 2019 snapshot

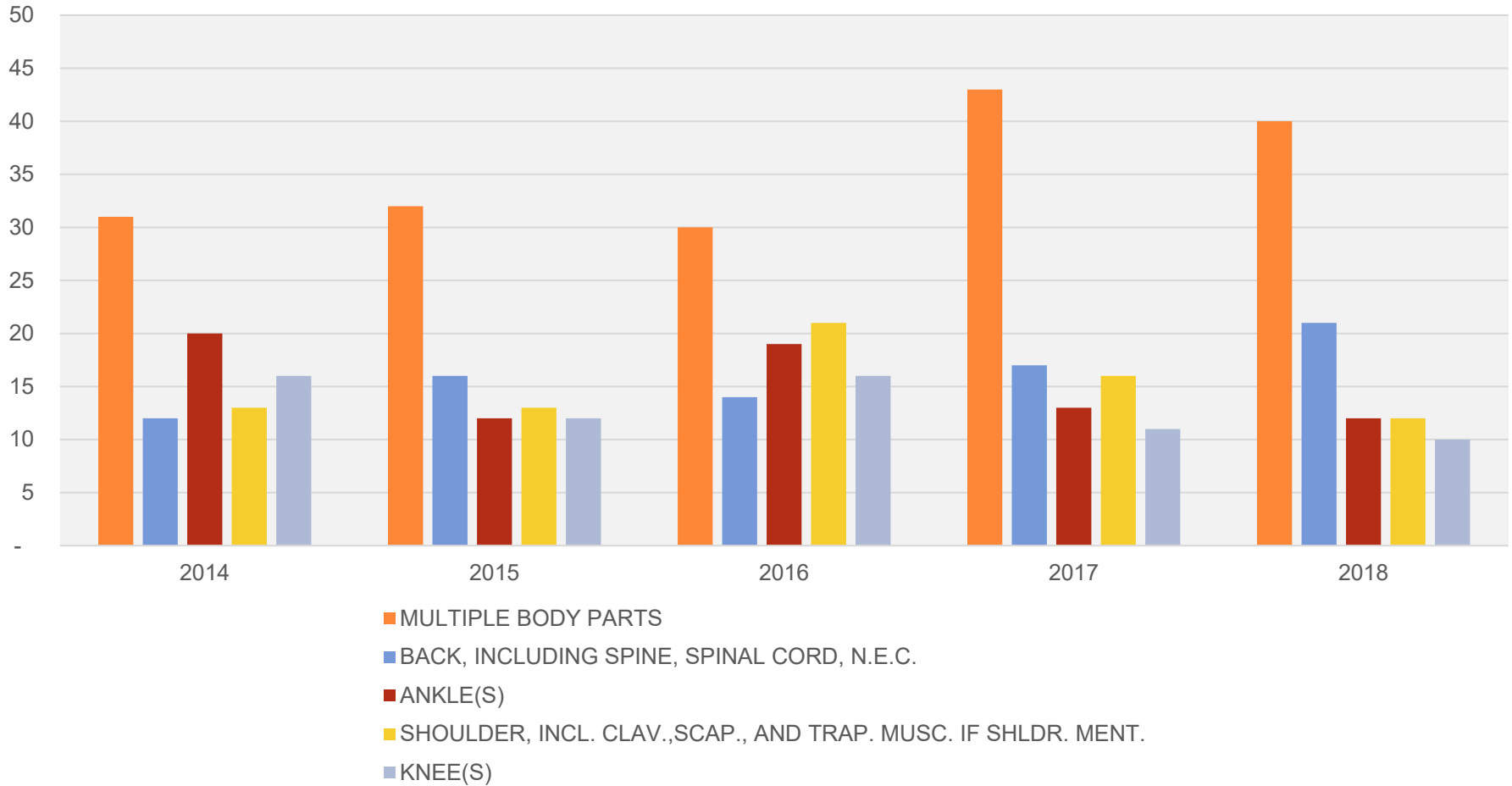


**Top 5 Most Common Parts of Body Injured
Rate Group 584**

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
2014	31	17.0%	12	6.6%	20	11.0%	13	7.1%	16	8.8%	92	50.5%
2015	32	20.9%	16	10.5%	12	7.8%	13	8.5%	12	7.8%	85	55.6%
2016	30	16.7%	14	7.8%	19	10.6%	21	11.7%	16	8.9%	100	55.6%
2017	43	22.8%	17	9.0%	13	6.9%	16	8.5%	11	5.8%	100	52.9%
2018	40	21.4%	21	11.2%	12	6.4%	12	6.4%	10	5.3%	95	50.8%

Rate Group 584 - SCHOOL BUSES

Top 5 Parts of Body Injured for 2014-2018 based on March 2019 snapshot

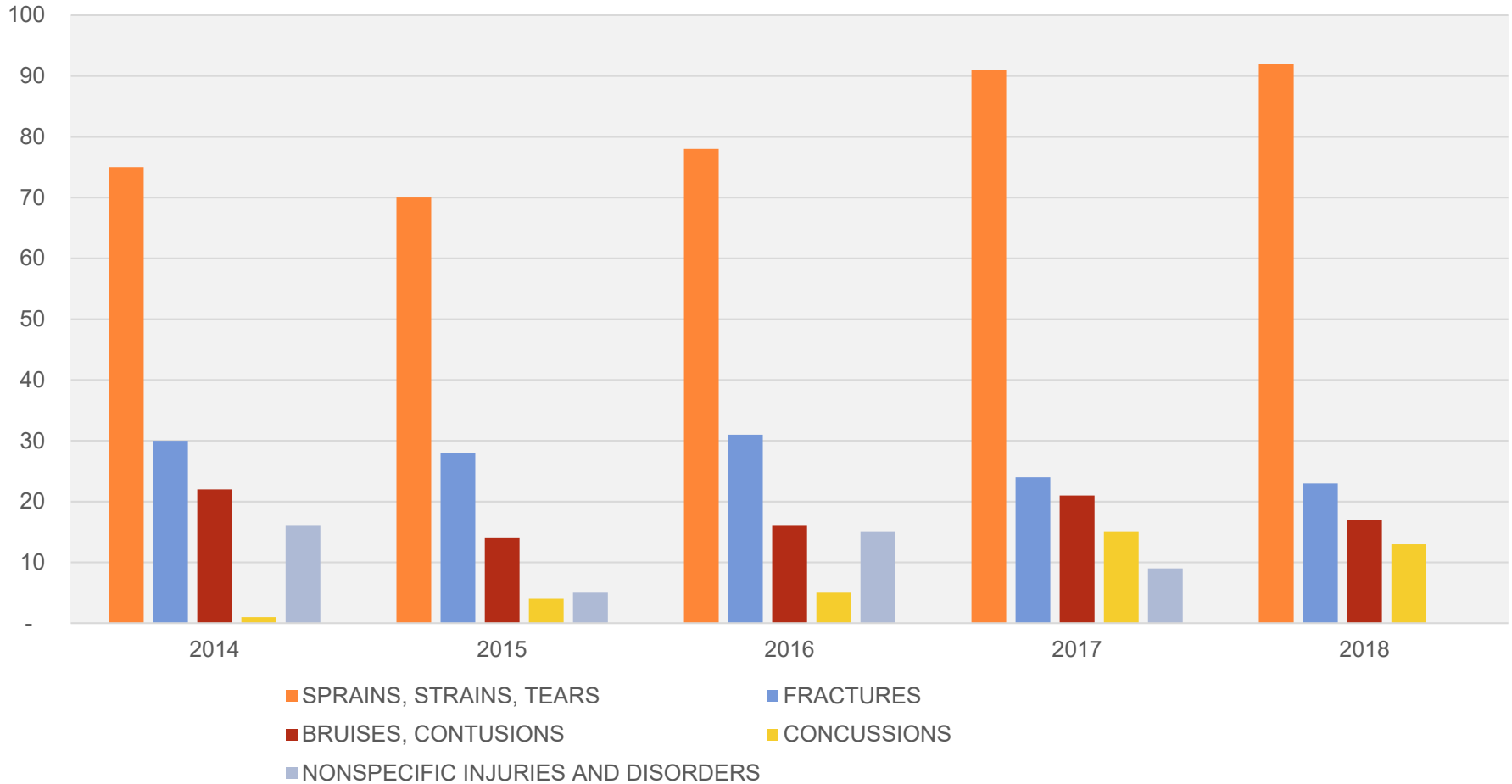


**Top 5 Most Common Nature of Injury Categories
Rate Group 584**

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
2014	75	41.2%	30	16.5%	22	12.1%	1	0.5%	16	8.8%	144	79.1%
2015	70	45.8%	28	18.3%	14	9.2%	4	2.6%	5	3.3%	121	79.1%
2016	78	43.3%	31	17.2%	16	8.9%	5	2.8%	15	8.3%	145	80.6%
2017	91	48.1%	24	12.7%	21	11.1%	15	7.9%	9	4.8%	160	84.7%
2018	92	49.2%	23	12.3%	17	9.1%	13	7.0%	-	0.0%	145	77.5%

Rate Group 584 - SCHOOL BUSES

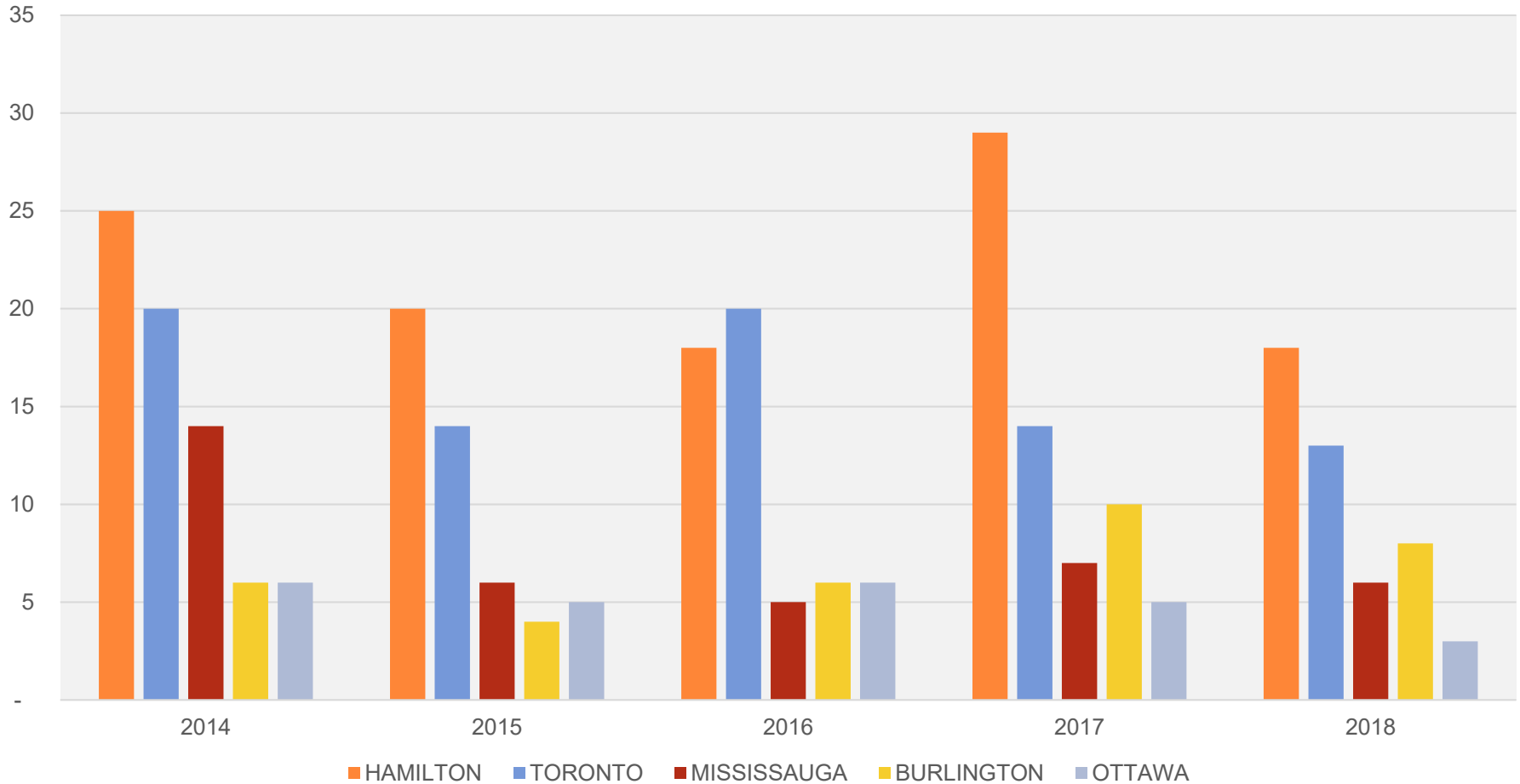
Top 5 Nature of Injury Categories for 2014-2018 based on March 2019 snapshot



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

Year	HAMILTON		TORONTO		MISSISSAUGA		BURLINGTON		OTTAWA		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2014	25	13.7%	20	11.0%	14	7.7%	6	3.3%	6	3.3%	71	39.0%
2015	20	13.1%	14	9.2%	6	3.9%	4	2.6%	5	3.3%	49	32.0%
2016	18	10.0%	20	11.1%	5	2.8%	6	3.3%	6	3.3%	55	30.6%
2017	29	15.3%	14	7.4%	7	3.7%	10	5.3%	5	2.6%	65	34.4%
2018	18	9.6%	13	7.0%	6	3.2%	8	4.3%	3	1.6%	48	25.7%

Rate Group 584 - SCHOOL BUSES Top 5 Incident Places for 2014-2018 based on March 2019 snapshot

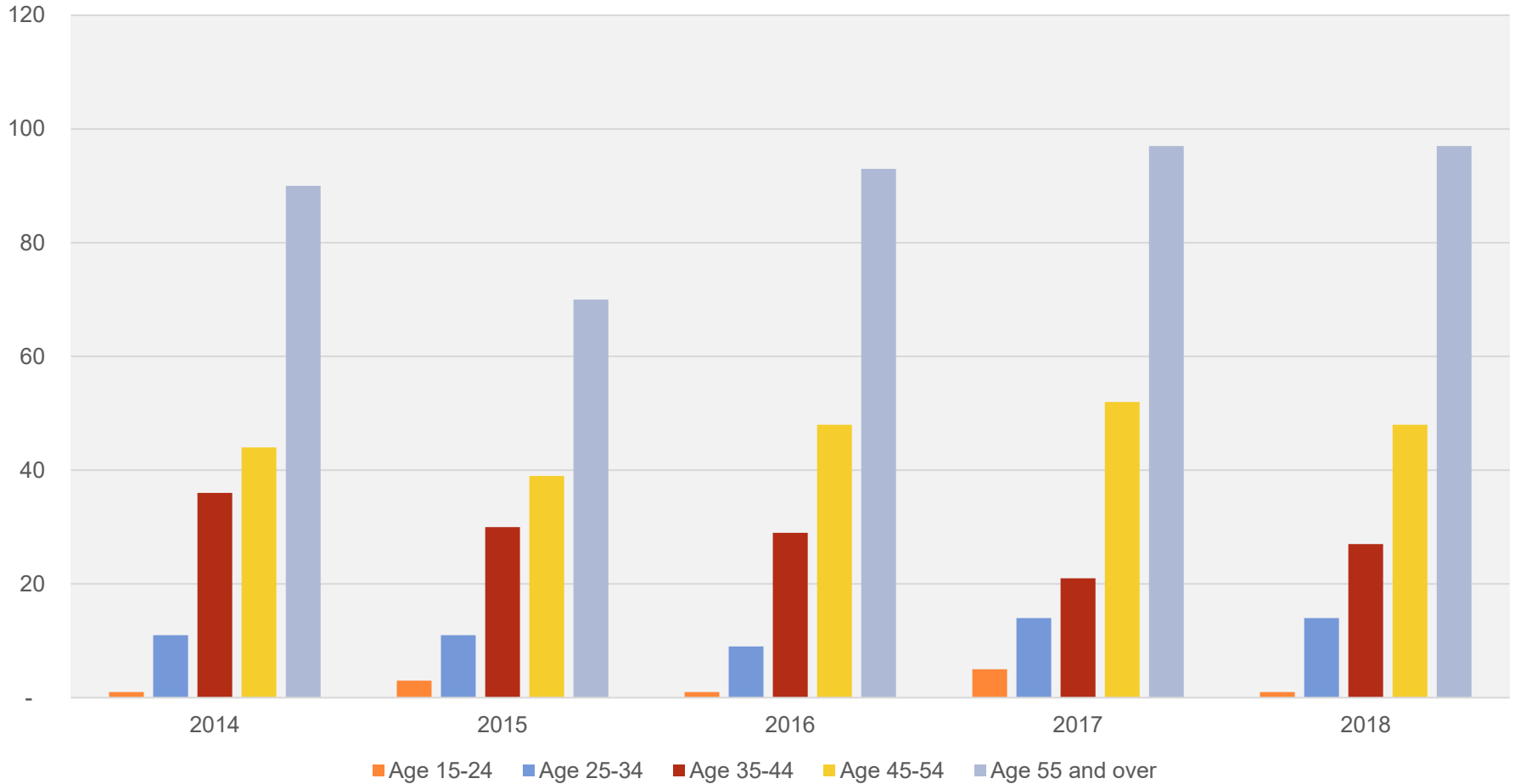


Age Band Breakdown
Rate Group 584

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
2014	-	0.0%	1	0.5%	11	6.0%	36	19.8%	44	24.2%	90	49.5%	-	0.0%
2015	-	0.0%	3	2.0%	11	7.2%	30	19.6%	39	25.5%	70	45.8%	-	0.0%
2016	-	0.0%	1	0.6%	9	5.0%	29	16.1%	48	26.7%	93	51.7%	-	0.0%
2017	-	0.0%	5	2.6%	14	7.4%	21	11.1%	52	27.5%	97	51.3%	-	0.0%
2018	-	0.0%	1	0.5%	14	7.5%	27	14.4%	48	25.7%	97	51.9%	-	0.0%

Rate Group 584 - SCHOOL BUSES

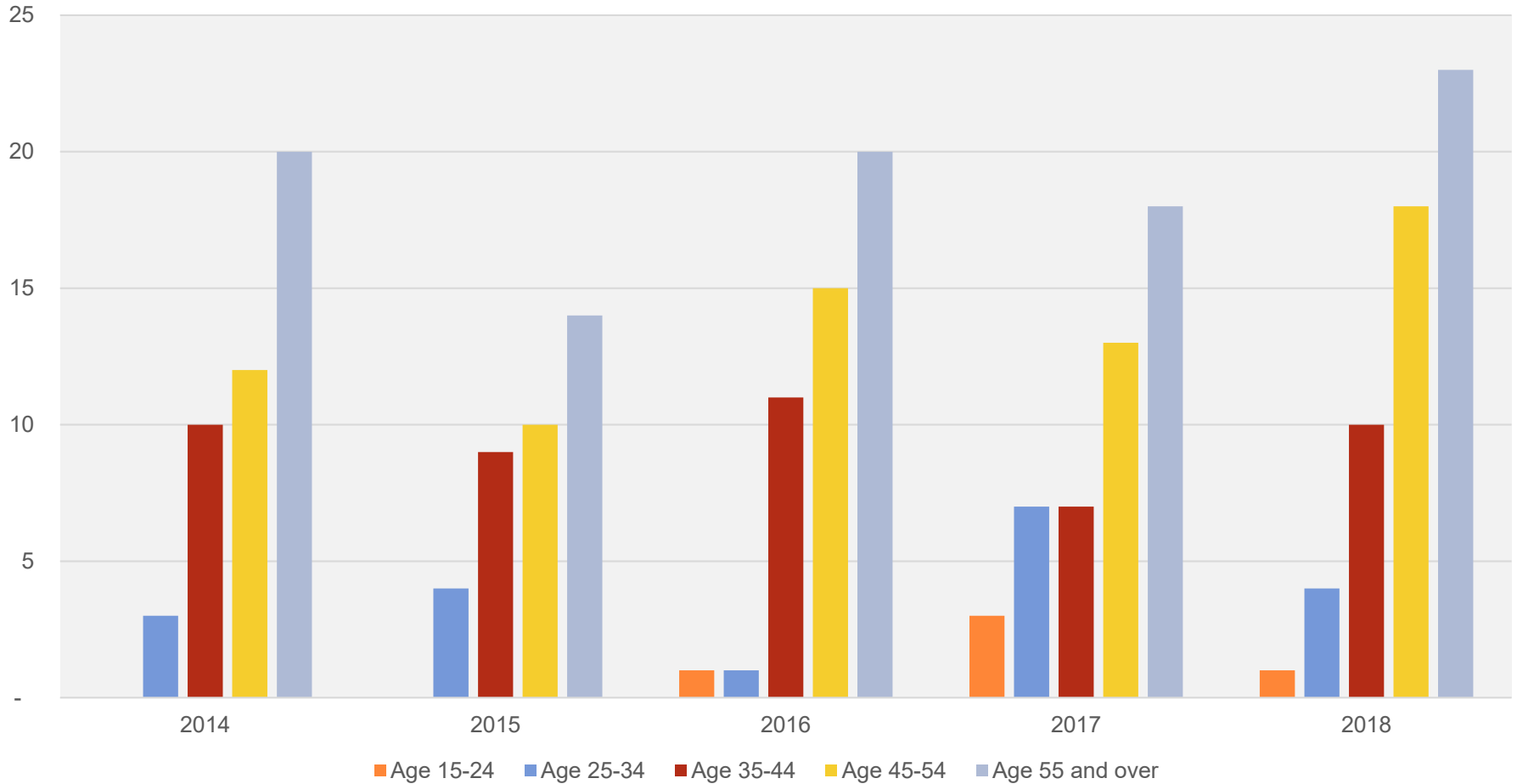
LTIs by Age Band for 2014-2018 based on March 2019 snapshot



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
2014	-	0.0%	-	0.0%	3	6.7%	10	22.2%	12	26.7%	20	44.4%	-	0.0%
2015	-	0.0%	-	0.0%	4	10.8%	9	24.3%	10	27.0%	14	37.8%	-	0.0%
2016	-	0.0%	1	2.1%	1	2.1%	11	22.9%	15	31.3%	20	41.7%	-	0.0%
2017	-	0.0%	3	6.3%	7	14.6%	7	14.6%	13	27.1%	18	37.5%	-	0.0%
2018	-	0.0%	1	1.8%	4	7.1%	10	17.9%	18	32.1%	23	41.1%	-	0.0%

Rate Group 584 - SCHOOL BUSES MSD by Age Band for for 2014-2018 based on March 2019 snapshot

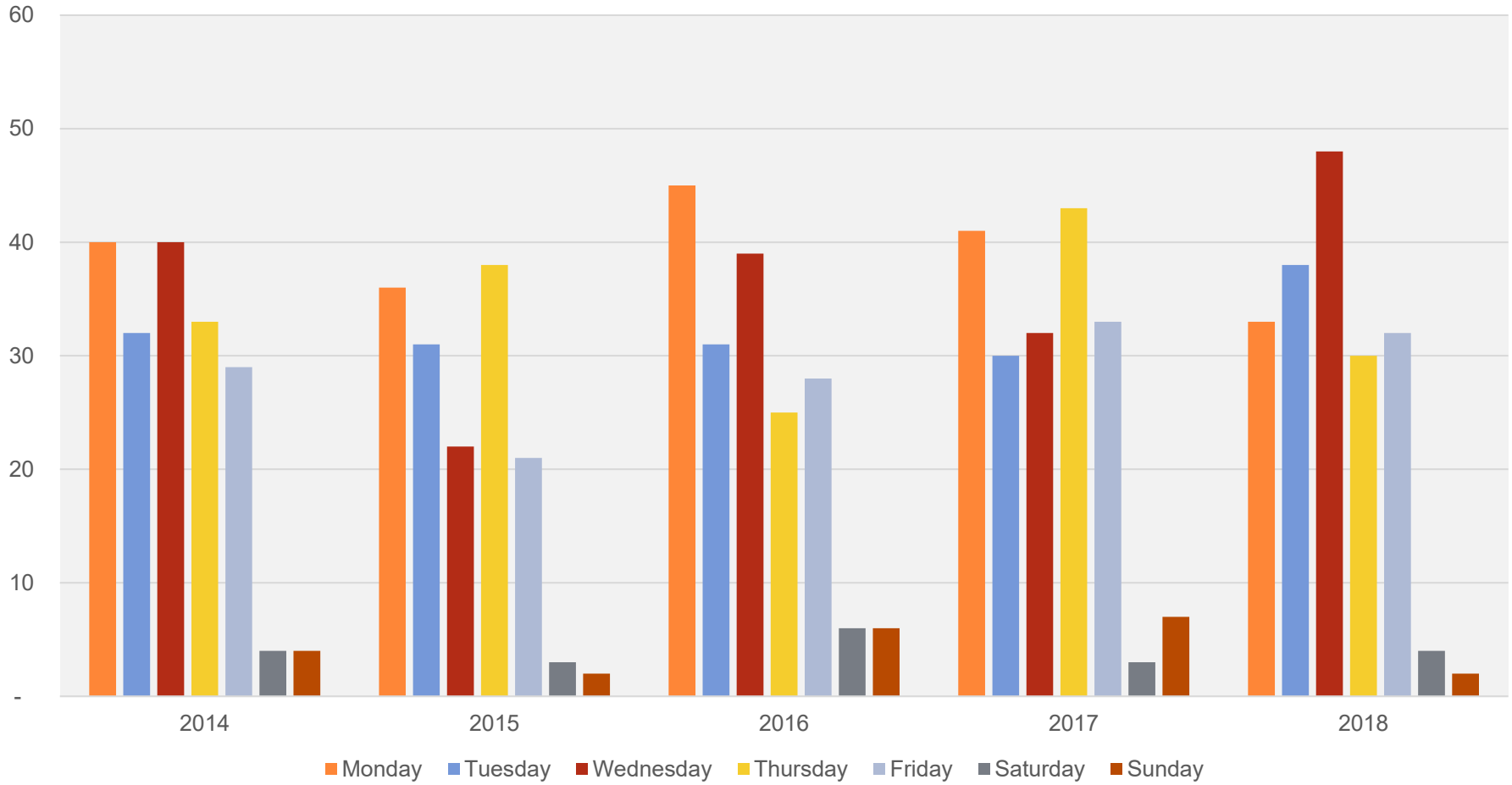


LTI Breakdown by Day of Week
Rate Group 584

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
2014	40	22.0%	32	17.6%	40	22.0%	33	18.1%	29	15.9%	4	2.2%	4	2.2%
2015	36	23.5%	31	20.3%	22	14.4%	38	24.8%	21	13.7%	3	2.0%	2	1.3%
2016	45	25.0%	31	17.2%	39	21.7%	25	13.9%	28	15.6%	6	3.3%	6	3.3%
2017	41	21.7%	30	15.9%	32	16.9%	43	22.8%	33	17.5%	3	1.6%	7	3.7%
2018	33	17.6%	38	20.3%	48	25.7%	30	16.0%	32	17.1%	4	2.1%	2	1.1%

Rate Group 584 - SCHOOL BUSES

LTIs by Day of Week for 2014-2018 based on March 2019 snapshot



LTI Breakdown By Month
Rate Group 584

Month	2014		2015		2016		2017		2018	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
January	38	20.9%	24	15.7%	23	12.8%	22	11.6%	29	15.5%
February	34	18.7%	29	19.0%	13	7.2%	23	12.2%	18	9.6%
March	14	7.7%	15	9.8%	15	8.3%	19	10.1%	12	6.4%
April	11	6.0%	13	8.5%	12	6.7%	22	11.6%	19	10.2%
May	11	6.0%	5	3.3%	11	6.1%	19	10.1%	11	5.9%
June	10	5.5%	9	5.9%	14	7.8%	9	4.8%	13	7.0%
July	6	3.3%	6	3.9%	5	2.8%	8	4.2%	9	4.8%
August	7	3.8%	9	5.9%	6	3.3%	2	1.1%	5	2.7%
September	12	6.6%	7	4.6%	13	7.2%	17	9.0%	27	14.4%
October	13	7.1%	12	7.8%	14	7.8%	16	8.5%	12	6.4%
November	17	9.3%	14	9.2%	29	16.1%	16	8.5%	22	11.8%
December	9	4.9%	10	6.5%	25	13.9%	16	8.5%	10	5.3%

Rate Group 584 - SCHOOL BUSES LTIs by Month for 2014-2018 based on March 2019 snapshot

