

Rate Group 728 – Roofing

Member Firm Injury Performance

Based on the March 2019 Snapshot

Overall Injury Performance in Rate Group 728				
		2018	2017	% Change
Total Injury Rate (LTIs+NLTIs+Tr Fatalities)		5.78	5.24	10.3%
Total Injury Count (LTIs+NLTIs+Tr Fatalities)		721	734	-1.8%
Traumatic Fatalities Count	Allowed	3	2	-
	Pending	0	0	-
LTI Rate		1.80	1.78	0.6%
LTI Count		224	250	-10.4%
NLTI Count		494	482	2.5%
FTE		12,477	14,012	-11.0%

Lost Time Injury Profile. Rate Group 728						
	2018		2017		% Change	
	Count	Rate	Count	Rate	Count	Rate
MSDs	51	0.41	64	0.46	-20.3%	-10.5%
Falls	107	0.86	109	0.78	-1.8%	10.2%
Machinery	1	0.01	2	0.01	-50.0%	-43.8%
MVIs	4	0.03	-	-	-	-
Critical Injuries	22	0.18	25	0.18	-12.0%	-1.2%
New Worker	21	0.17	40	0.29	-47.5%	-41.0%
Young Worker	35	0.28	40	0.29	-12.5%	-1.7%

High Impact Claims. Rate Group 728						
	2018		2017		% Change	
	Count	Rate	Count	Rate	Count	Rate
Lower Back	27	0.22	47	0.34	-42.6%	-35.5%
Shoulder	14	0.11	9	0.06	55.6%	74.7%
Fractures	74	0.59	53	0.38	39.6%	56.8%
Total HI Claims	115	0.92	109	0.78	5.5%	18.5%

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, Electrocution, 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.

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Member Injury Performance Analysis for 2014-2018

Based on March 2019 Snapshot

Overall Injury Performance Rate Group 728								
Year	LTIs			Non LTIs		Total*		Derived FTE
	Count	Rate	Traumatic Fatalities	Count	Rate	Count	Rate	
2014	214	1.63	1	524	3.98	739	5.62	13,155
2015	228	1.64	5	508	3.66	741	5.34	13,873
2016	235	1.68	2	508	3.63	745	5.33	13,990
2017	250	1.78	2	482	3.44	734	5.24	14,012
2018	224	1.80	3	494	3.96	721	5.78	12,477

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

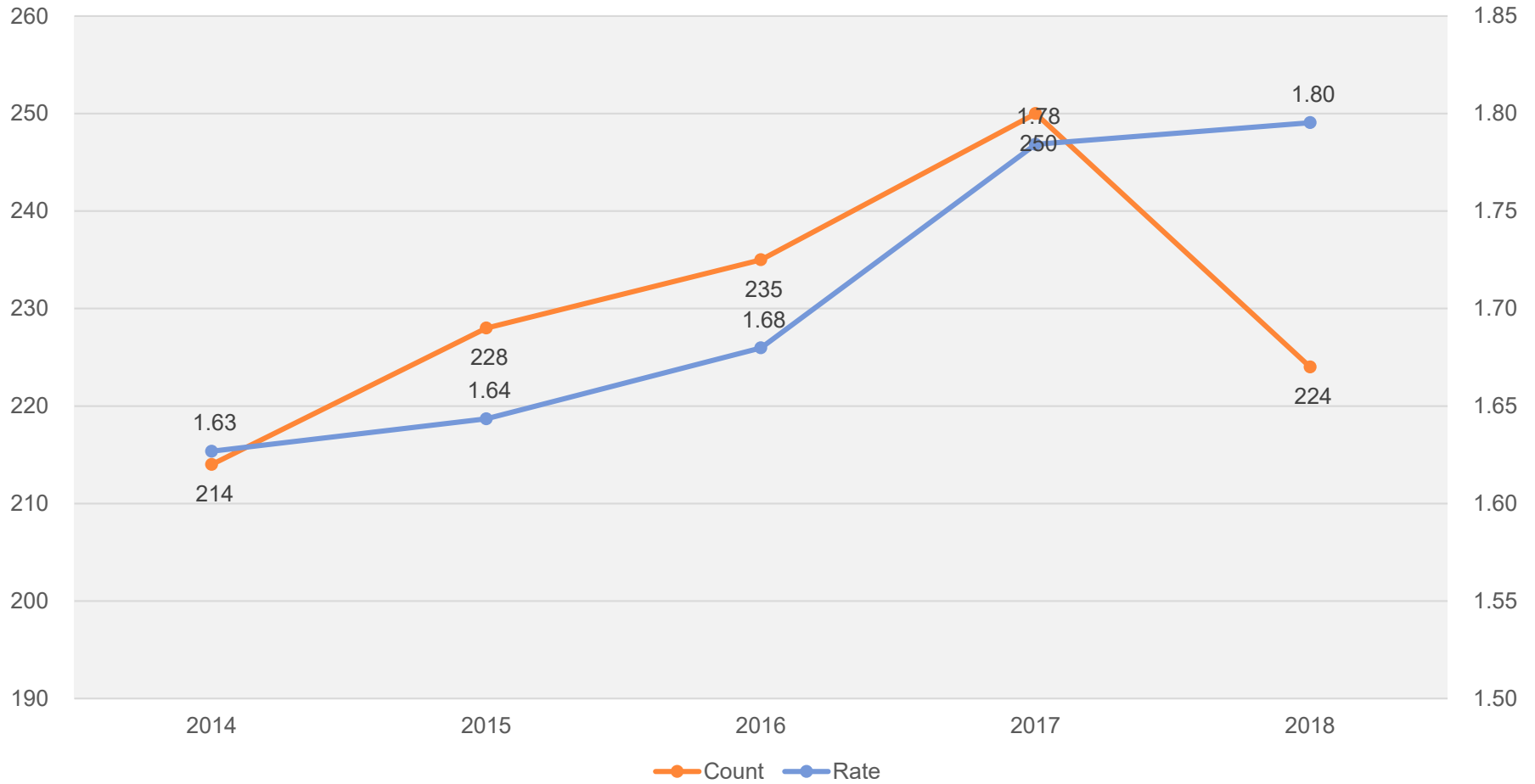
Lost-time Injury Profile Rate Group 728														
Year	MSDs		Falls		Machinery		MVIs		Critical Injuries		New Worker		Young Worker	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate
2014	36	0.27	96	0.73	3	0.02	8	0.06	24	0.18	42	0.32	43	0.33
2015	48	0.35	99	0.71	4	0.03	5	0.04	24	0.17	43	0.31	47	0.34
2016	59	0.42	105	0.75	3	0.02	2	0.01	21	0.15	31	0.22	47	0.34
2017	64	0.46	109	0.78	2	0.01	-	-	25	0.18	40	0.29	40	0.29
2018	51	0.41	107	0.86	1	0.01	4	0.03	22	0.18	21	0.17	35	0.28

High Impact Lost-time Injury Profile
Rate Group 728

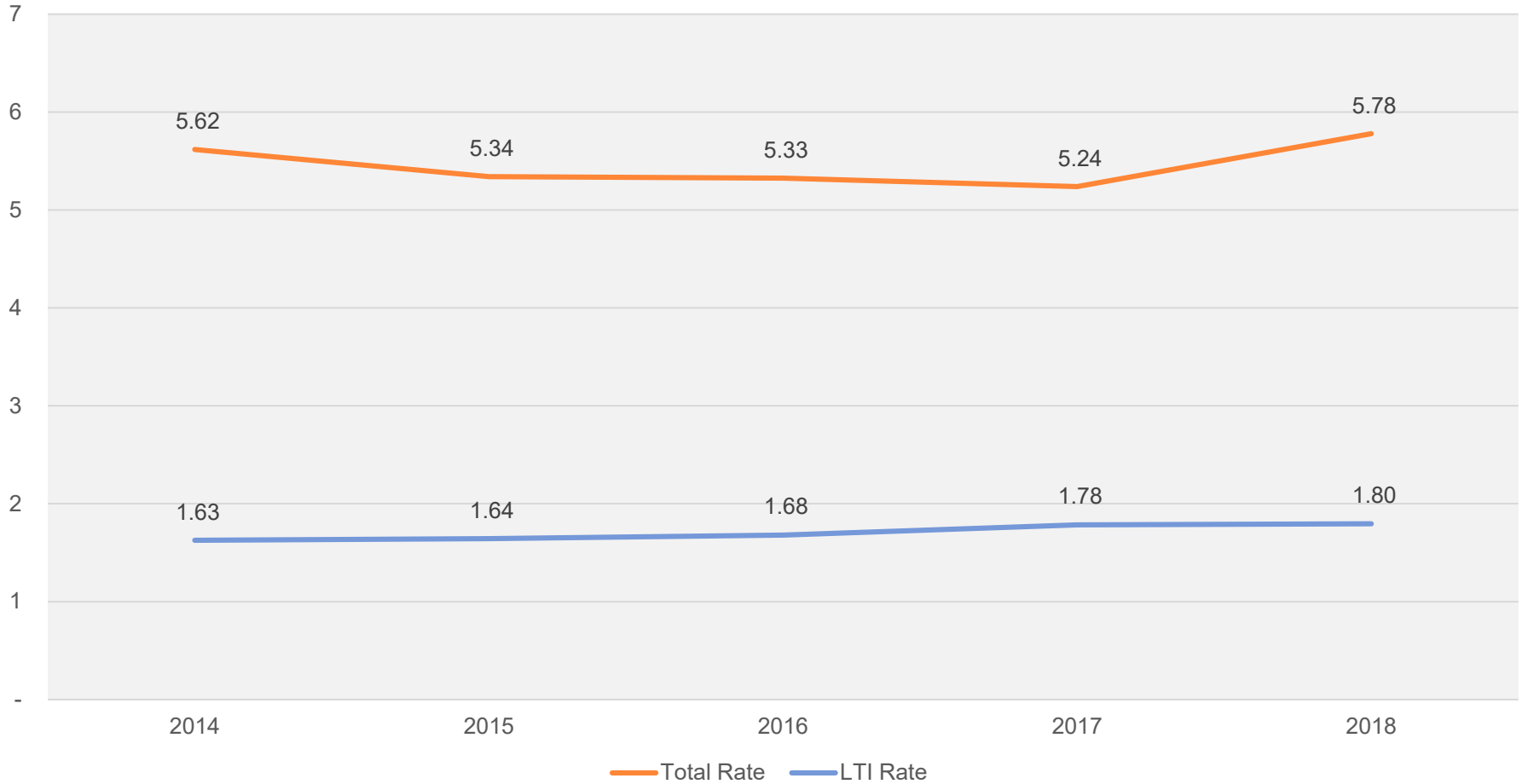
Year	Lower Back		Shoulder		Fracture		Total	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate
2014	23	0.17	7	0.05	68	0.52	98	0.74
2015	21	0.15	12	0.09	66	0.48	99	0.71
2016	40	0.29	8	0.06	65	0.46	113	0.81
2017	47	0.34	9	0.06	53	0.38	109	0.78
2018	27	0.22	14	0.11	74	0.59	115	0.92

Rate Group 728 - ROOFING

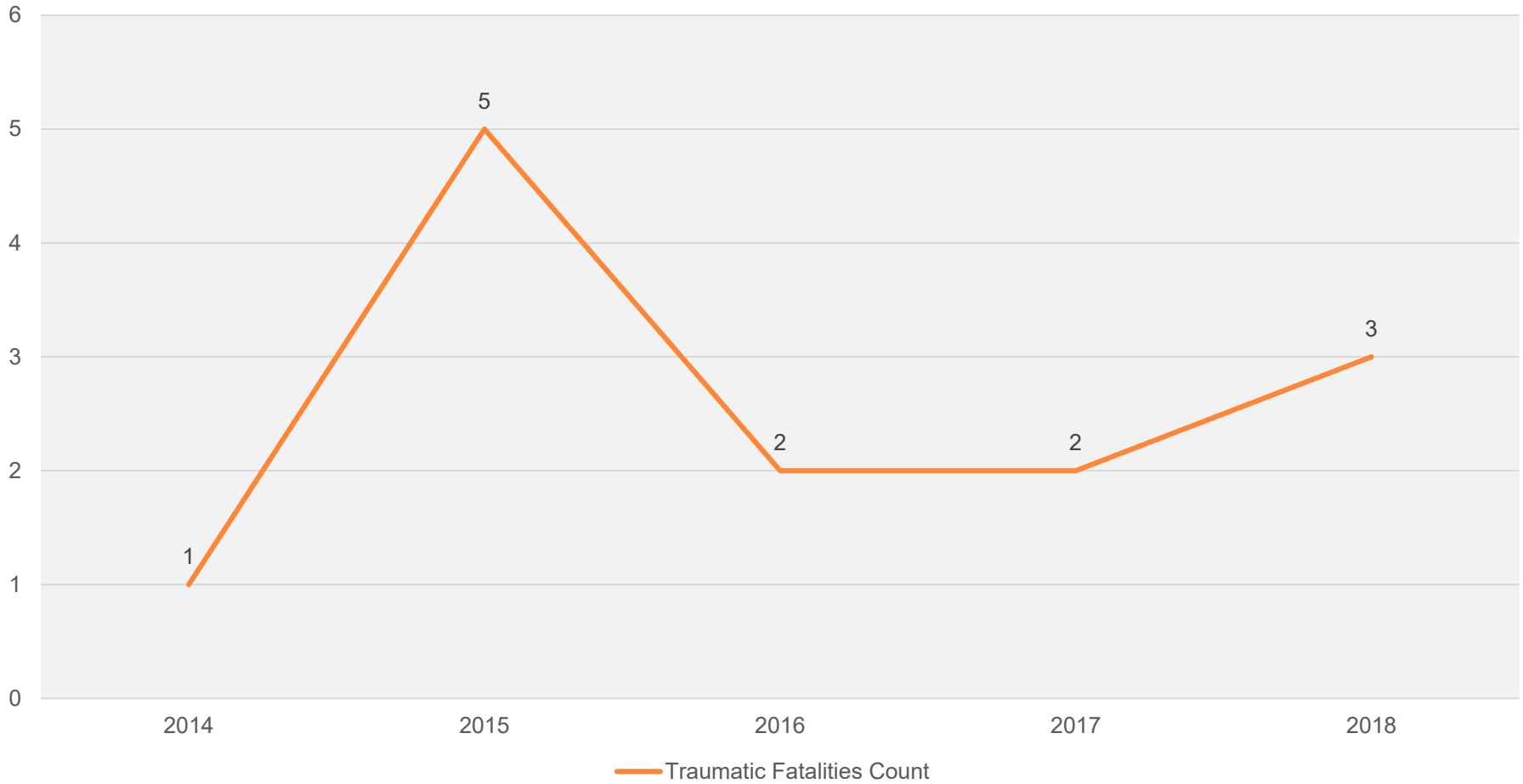
LTI Count and Rate for 2014-2018 based on March 2019 snapshot



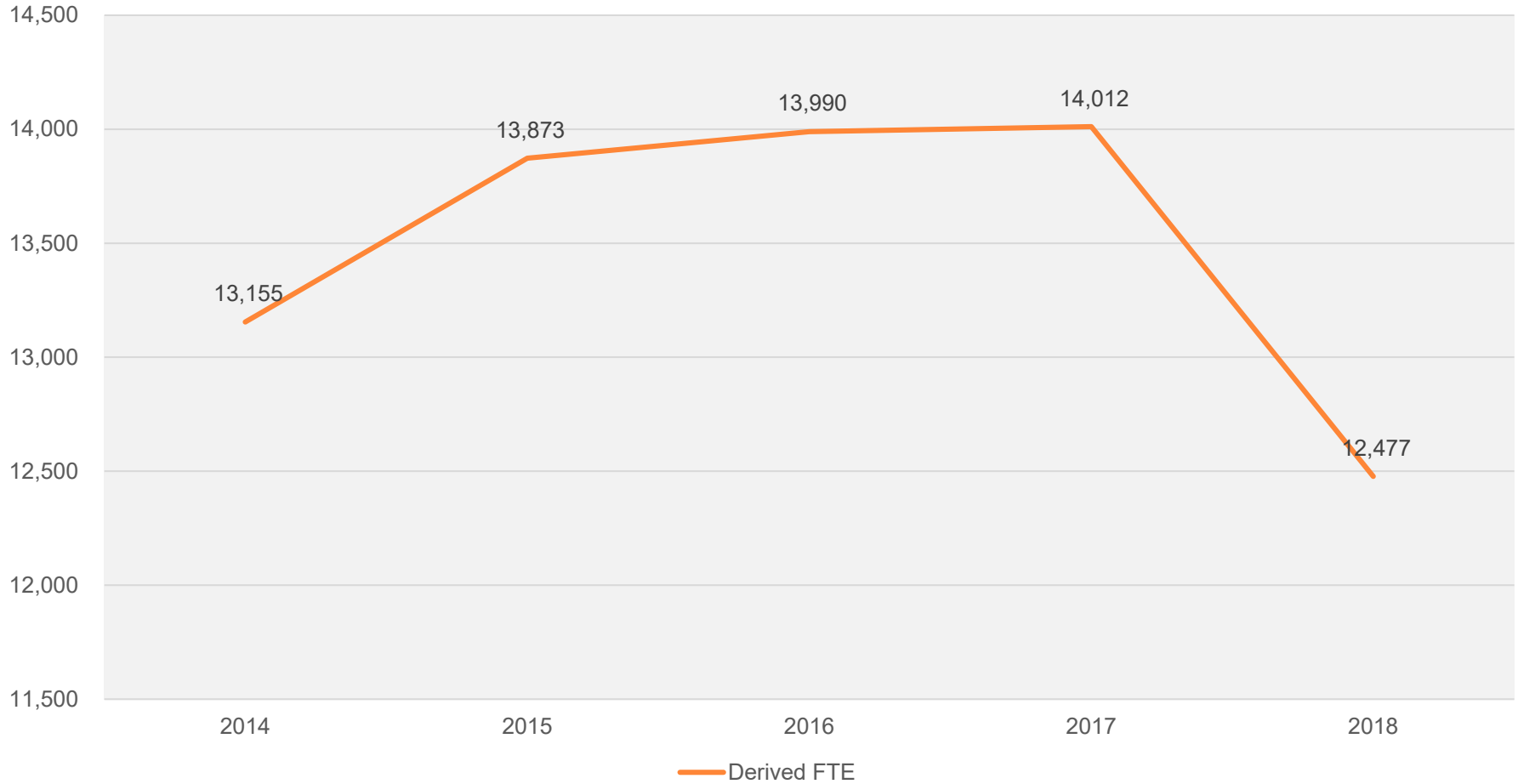
Rate Group 728 - ROOFING LTI Rate and Total Rate for 2014-2018 based on March 2019 snapshot



Rate Group 728 - ROOFING Traumatic Fatalities for 2014-2018 based on March 2019 snapshot



Rate Group 728 - ROOFING Derived FTE for 2014-2018 based on March 2019 snapshot

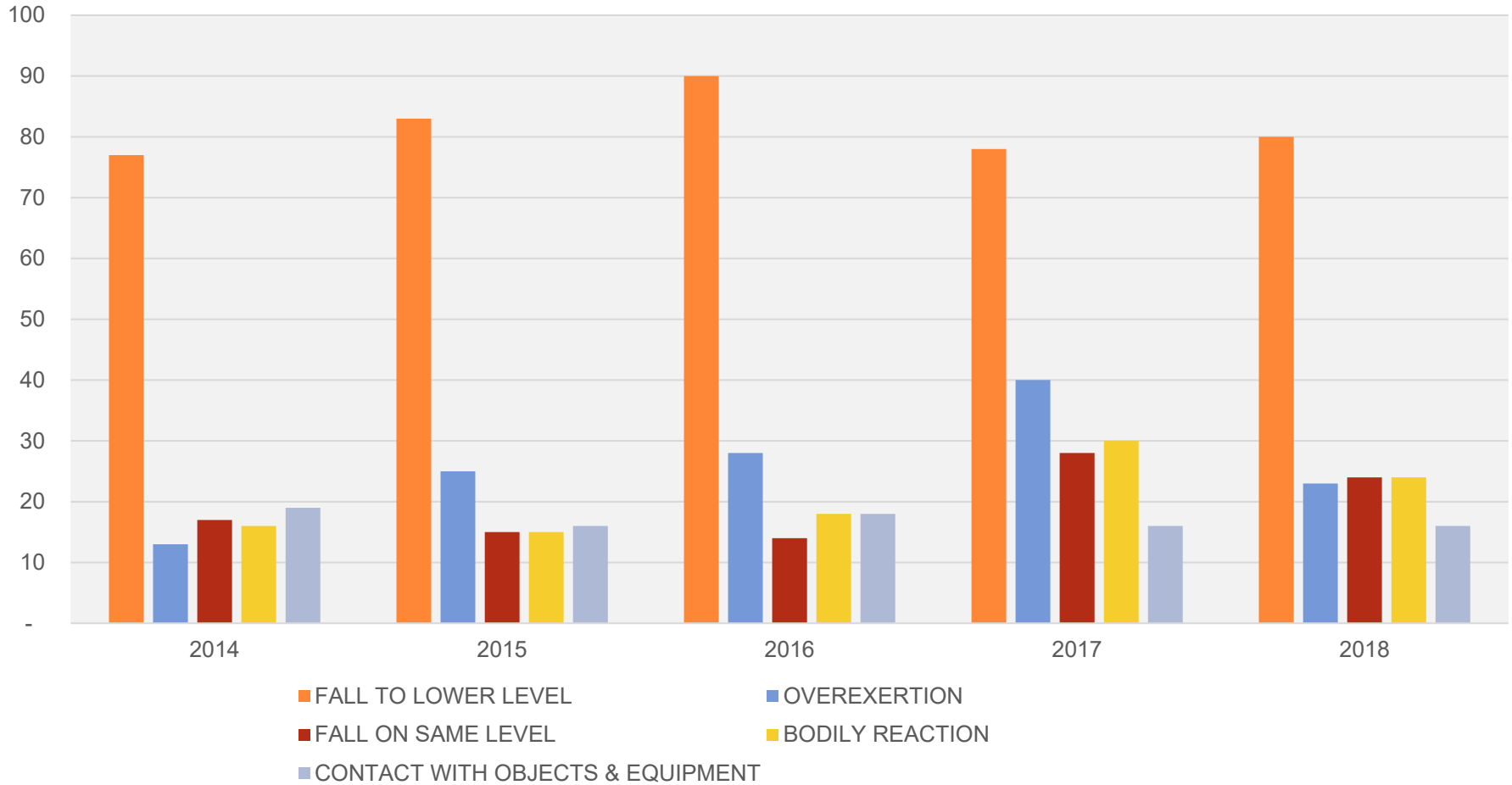


**Top 5 Most Common Incident Types
Rate Group 728**

Year	FALL TO LOWER LEVEL		OVEREXERTION		FALL ON SAME LEVEL		BODILY REACTION		CONTACT WITH OBJECTS & EQUIPMENT		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2014	77	36.0%	13	6.1%	17	7.9%	16	7.5%	19	8.9%	142	66.4%
2015	83	36.4%	25	11.0%	15	6.6%	15	6.6%	16	7.0%	154	67.5%
2016	90	38.3%	28	11.9%	14	6.0%	18	7.7%	18	7.7%	168	71.5%
2017	78	31.2%	40	16.0%	28	11.2%	30	12.0%	16	6.4%	192	76.8%
2018	80	35.7%	23	10.3%	24	10.7%	24	10.7%	16	7.1%	167	74.6%

Rate Group 728 - ROOFING

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

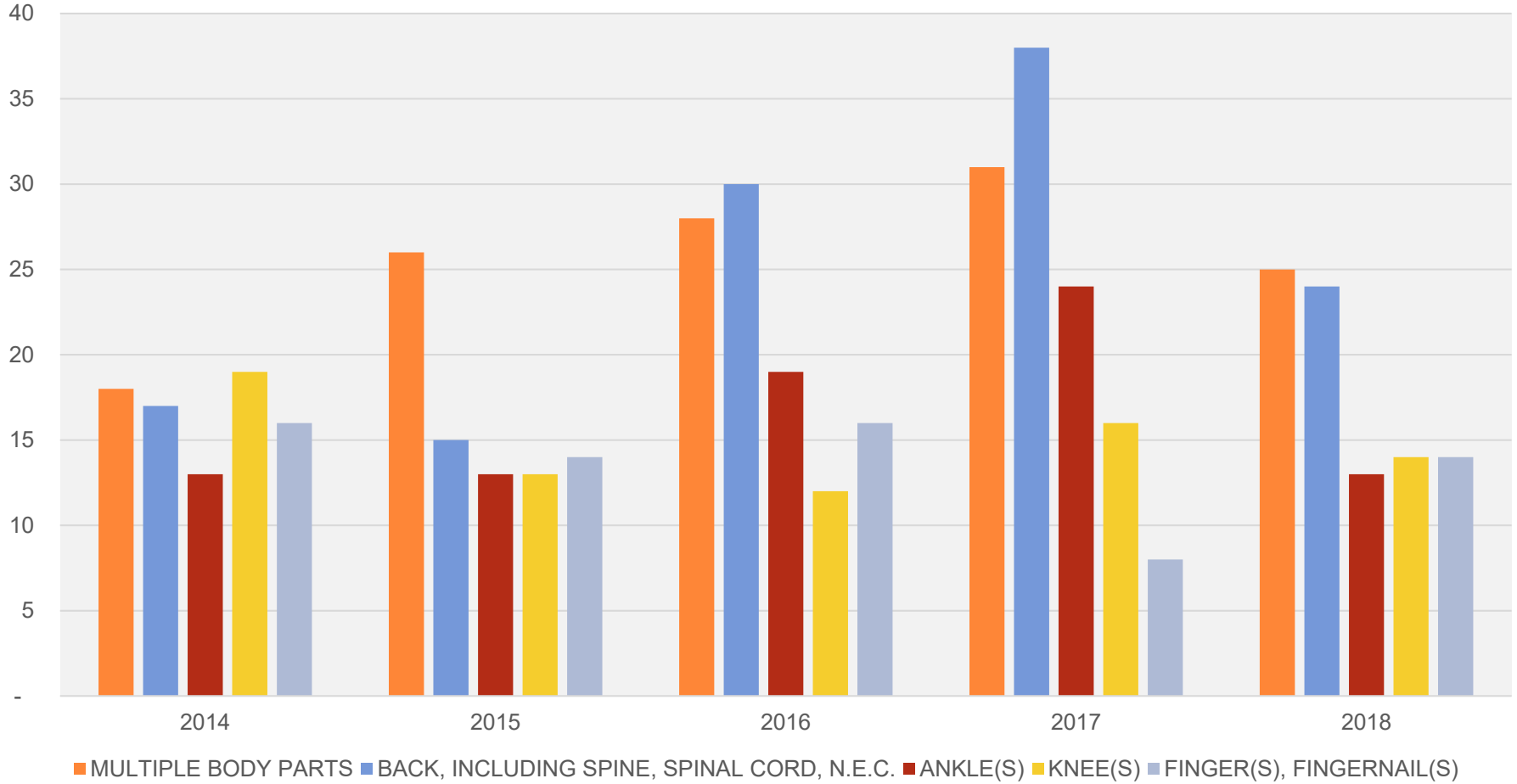


**Top 5 Most Common Parts of Body Injured
Rate Group 728**

Year	MULTIPLE BODY PARTS		BACK, INCLUDING SPINE, SPINAL CORD, N.E.C.		ANKLE(S)		KNEE(S)		FINGER(S), FINGERNAIL(S)		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2014	18	8.4%	17	7.9%	13	6.1%	19	8.9%	16	7.5%	83	38.8%
2015	26	11.4%	15	6.6%	13	5.7%	13	5.7%	14	6.1%	81	35.5%
2016	28	11.9%	30	12.8%	19	8.1%	12	5.1%	16	6.8%	105	44.7%
2017	31	12.4%	38	15.2%	24	9.6%	16	6.4%	8	3.2%	117	46.8%
2018	25	11.2%	24	10.7%	13	5.8%	14	6.3%	14	6.3%	90	40.2%

Rate Group 728 - ROOFING

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

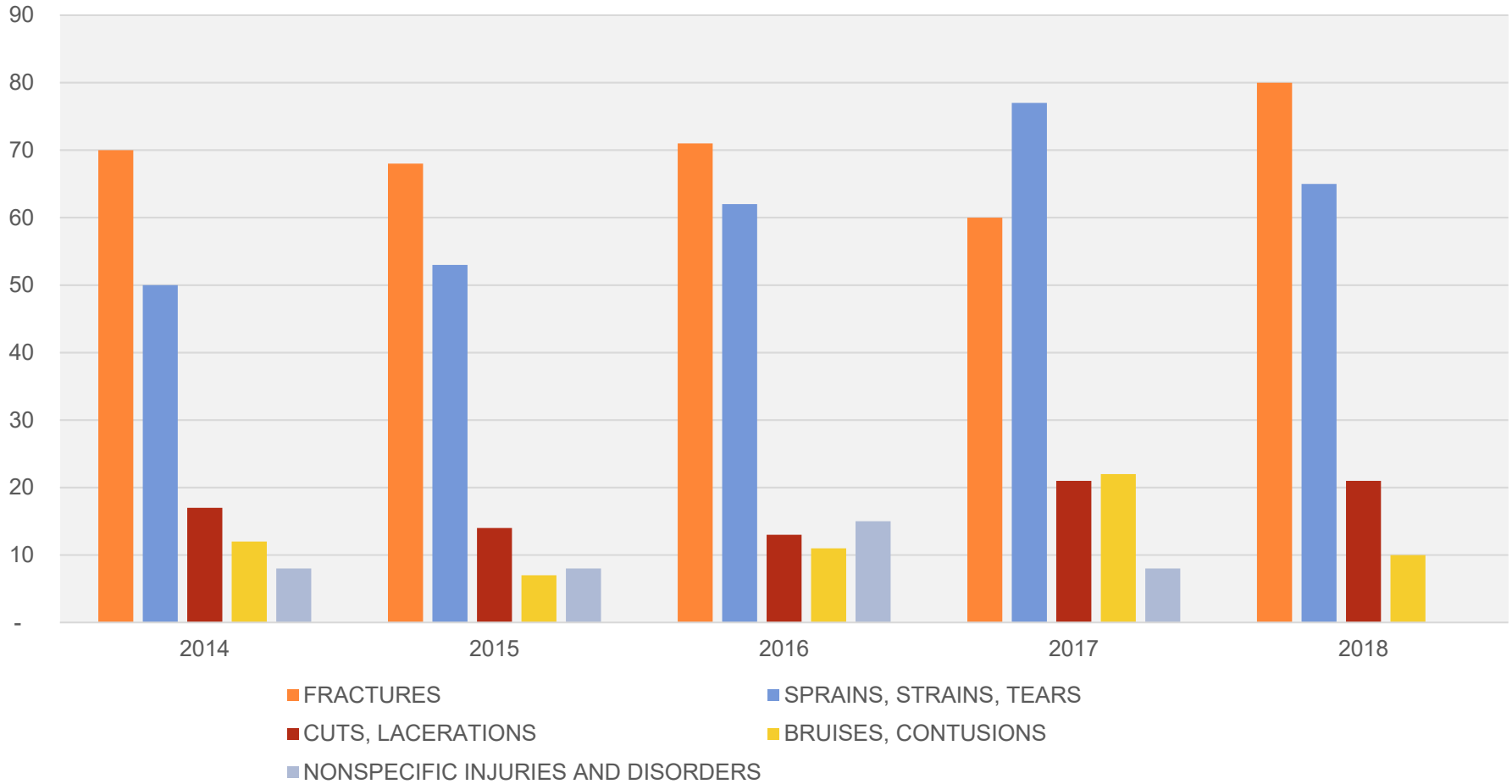


**Top 5 Most Common Nature of Injury Categories
Rate Group 728**

Year	FRACTURES		SPRAINS, STRAINS, TEARS		CUTS, LACERATIONS		BRUISES, CONTUSIONS		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	70	32.7%	50	23.4%	17	7.9%	12	5.6%	8	3.7%	157	73.4%
2015	68	29.8%	53	23.2%	14	6.1%	7	3.1%	8	3.5%	150	65.8%
2016	71	30.2%	62	26.4%	13	5.5%	11	4.7%	15	6.4%	172	73.2%
2017	60	24.0%	77	30.8%	21	8.4%	22	8.8%	8	3.2%	188	75.2%
2018	80	35.7%	65	29.0%	21	9.4%	10	4.5%	-	0.0%	176	78.6%

Rate Group 728 - ROOFING

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

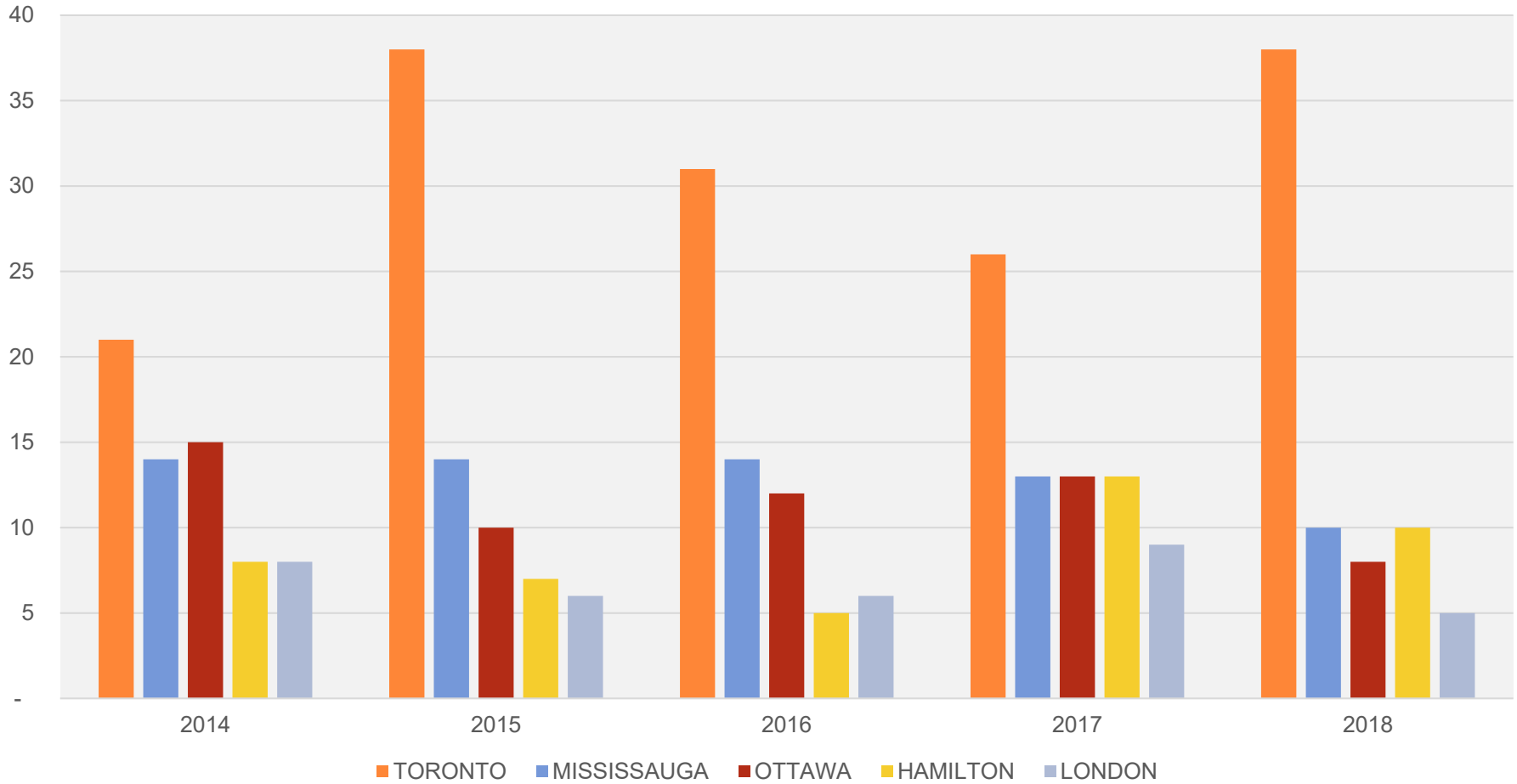


**Top 5 Most Common Incident Places
Rate Group 728**

Year	TORONTO		MISSISSAUGA		OTTAWA		HAMILTON		LONDON		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2014	21	9.8%	14	6.5%	15	7.0%	8	3.7%	8	3.7%	66	30.8%
2015	38	16.7%	14	6.1%	10	4.4%	7	3.1%	6	2.6%	75	32.9%
2016	31	13.2%	14	6.0%	12	5.1%	5	2.1%	6	2.6%	68	28.9%
2017	26	10.4%	13	5.2%	13	5.2%	13	5.2%	9	3.6%	74	29.6%
2018	38	17.0%	10	4.5%	8	3.6%	10	4.5%	5	2.2%	71	31.7%

Rate Group 728 - ROOFING

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

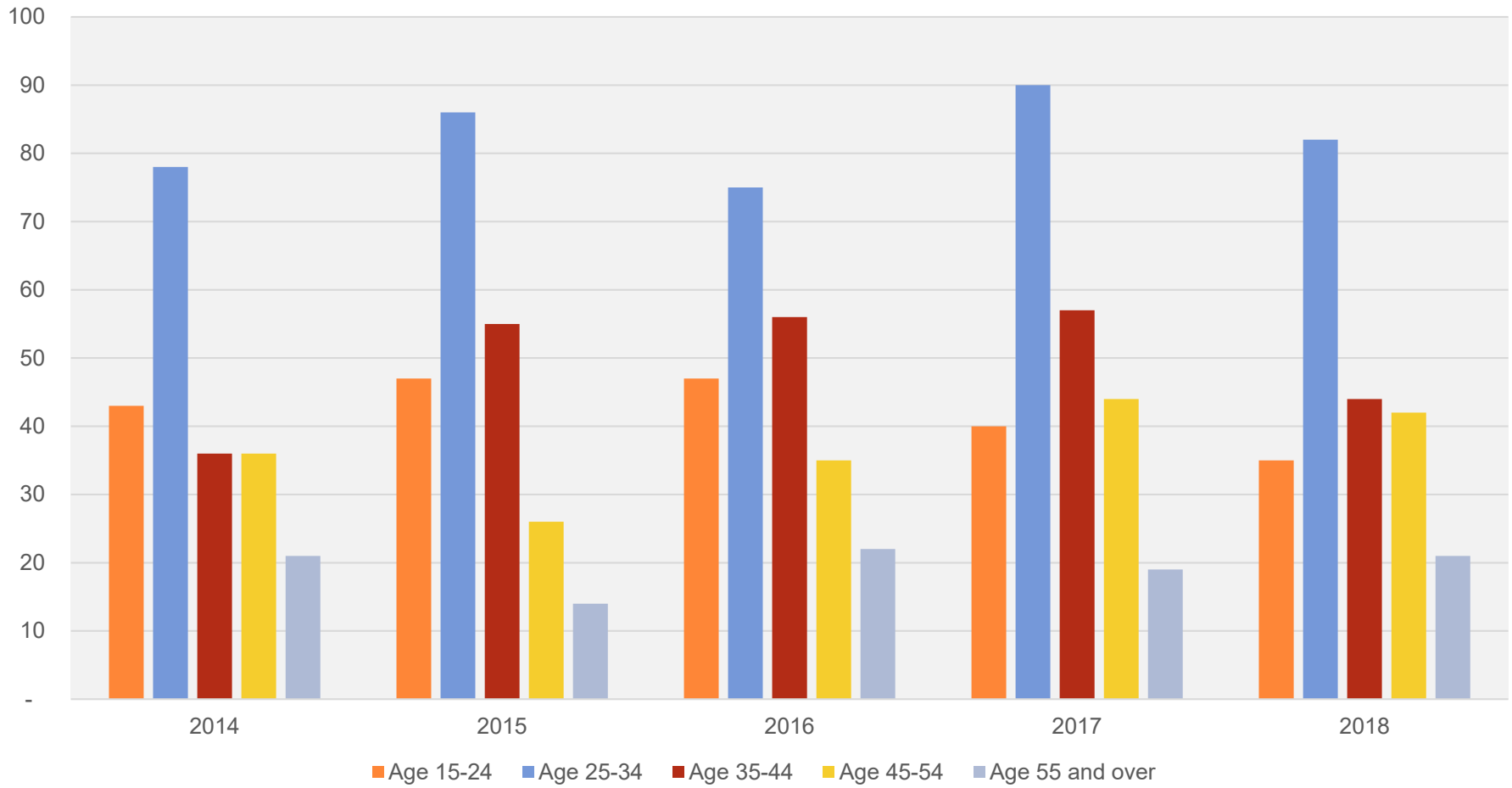


Age Band Breakdown
Rate Group 728

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%	43	20.1%	78	36.4%	36	16.8%	36	16.8%	21	9.8%	-	0.0%
2015	-	0.0%	47	20.6%	86	37.7%	55	24.1%	26	11.4%	14	6.1%	-	0.0%
2016	-	0.0%	47	20.0%	75	31.9%	56	23.8%	35	14.9%	22	9.4%	-	0.0%
2017	-	0.0%	40	16.0%	90	36.0%	57	22.8%	44	17.6%	19	7.6%	-	0.0%
2018	-	0.0%	35	15.6%	82	36.6%	44	19.6%	42	18.8%	21	9.4%	-	0.0%

Rate Group 728 - ROOFING

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

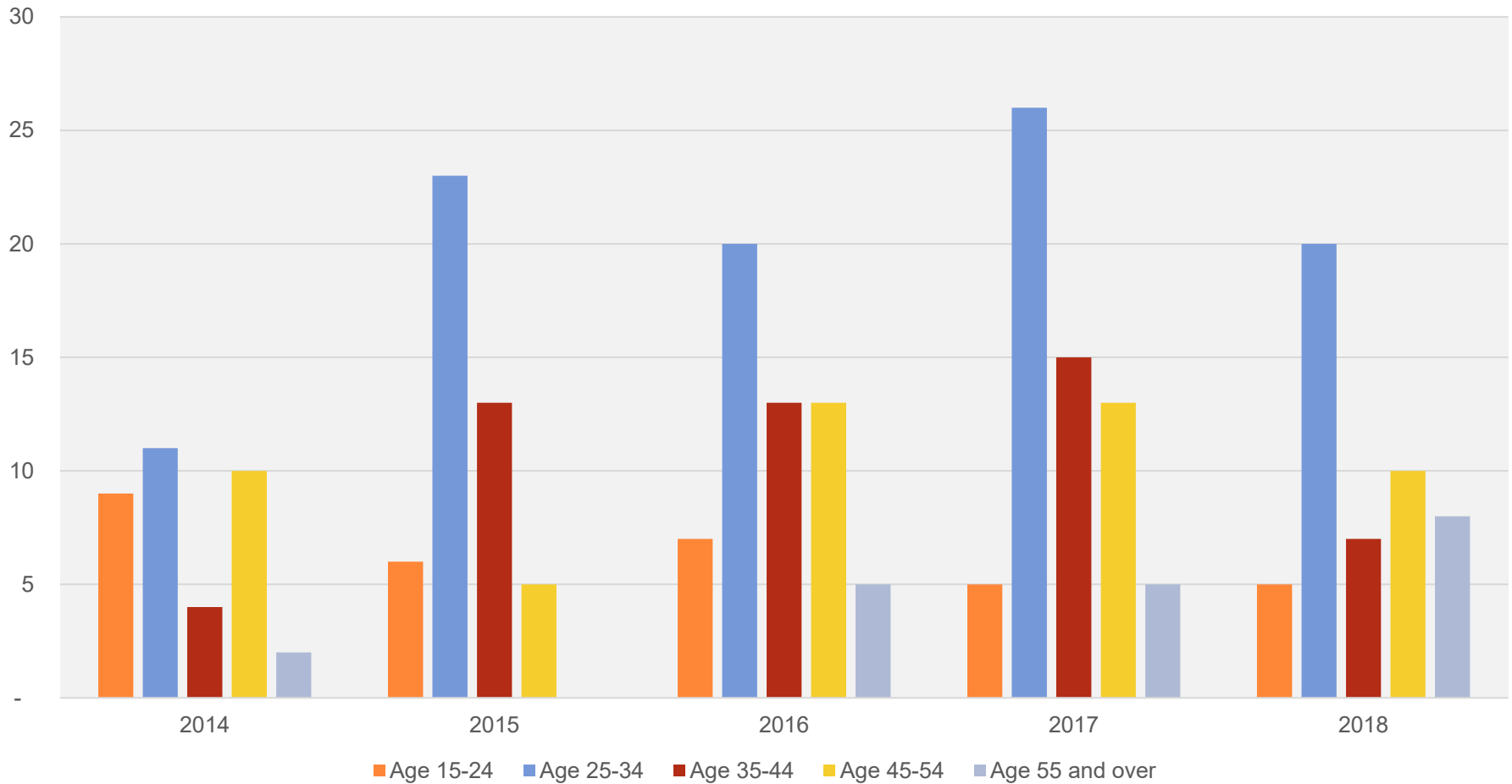


MSD Breakdown by Age Band
Rate Group 728

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%	9	25.0%	11	30.6%	4	11.1%	10	27.8%	2	5.6%	-	0.0%
2015	-	0.0%	6	12.8%	23	48.9%	13	27.7%	5	10.6%	-	0.0%	-	0.0%
2016	-	0.0%	7	12.1%	20	34.5%	13	22.4%	13	22.4%	5	8.6%	-	0.0%
2017	-	0.0%	5	7.8%	26	40.6%	15	23.4%	13	20.3%	5	7.8%	-	0.0%
2018	-	0.0%	5	10.0%	20	40.0%	7	14.0%	10	20.0%	8	16.0%	-	0.0%

Rate Group 728 - ROOFING

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

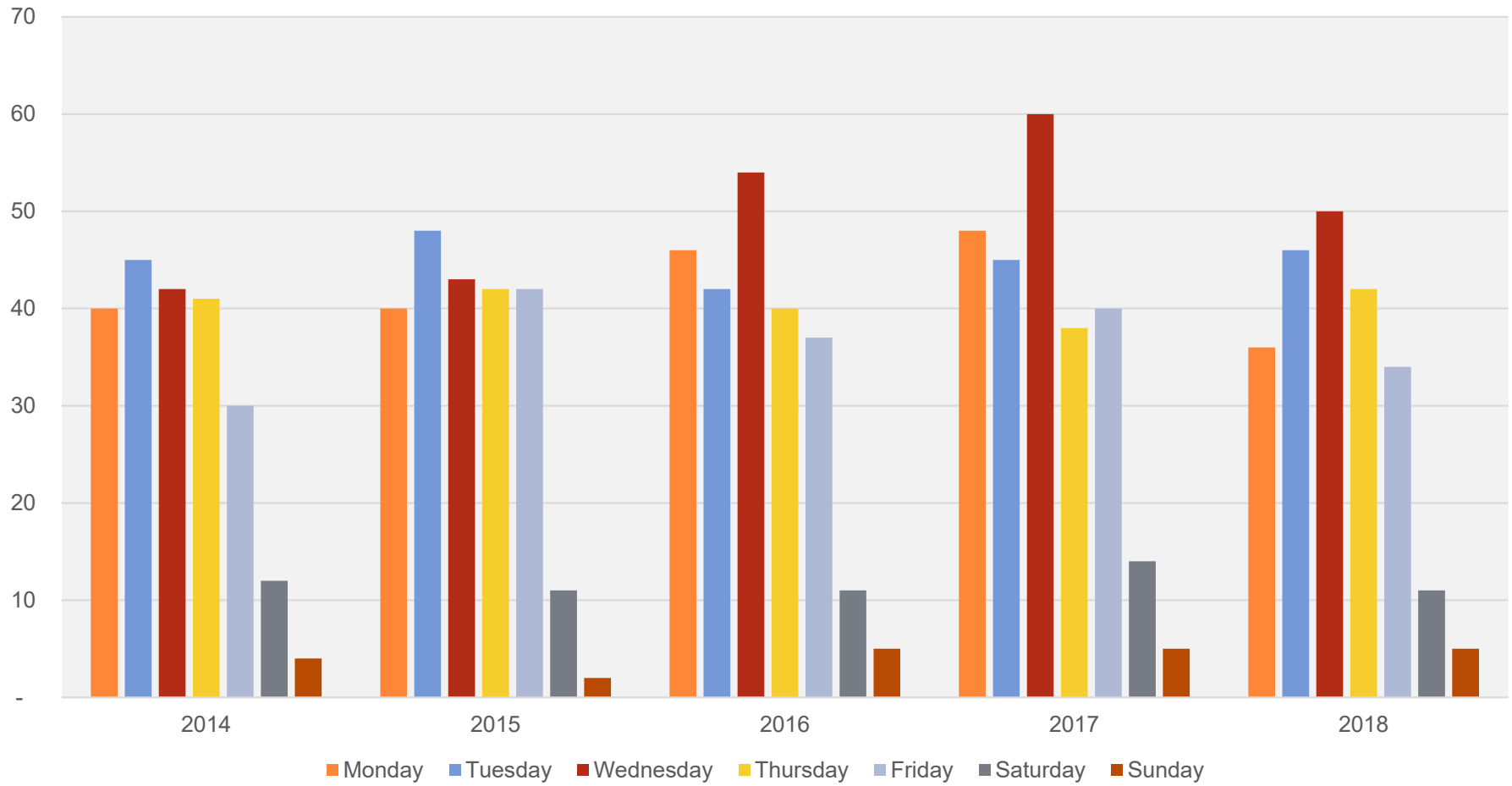


LTI Breakdown by Day of Week
Rate Group 728

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	18.7%	45	21.0%	42	19.6%	41	19.2%	30	14.0%	12	5.6%	4	1.9%
2015	40	17.5%	48	21.1%	43	18.9%	42	18.4%	42	18.4%	11	4.8%	2	0.9%
2016	46	19.6%	42	17.9%	54	23.0%	40	17.0%	37	15.7%	11	4.7%	5	2.1%
2017	48	19.2%	45	18.0%	60	24.0%	38	15.2%	40	16.0%	14	5.6%	5	2.0%
2018	36	16.1%	46	20.5%	50	22.3%	42	18.8%	34	15.2%	11	4.9%	5	2.2%

Rate Group 728 - ROOFING

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



LTI Breakdown By Month
Rate Group 728

Month	2014		2015		2016		2017		2018	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
January	19	8.9%	10	4.4%	16	6.8%	6	2.4%	12	5.4%
February	4	1.9%	5	2.2%	3	1.3%	11	4.4%	8	3.6%
March	10	4.7%	6	2.6%	11	4.7%	14	5.6%	7	3.1%
April	7	3.3%	21	9.2%	15	6.4%	9	3.6%	14	6.3%
May	26	12.1%	18	7.9%	22	9.4%	25	10.0%	24	10.7%
June	21	9.8%	15	6.6%	28	11.9%	20	8.0%	23	10.3%
July	28	13.1%	35	15.4%	25	10.6%	25	10.0%	27	12.1%
August	24	11.2%	17	7.5%	23	9.8%	39	15.6%	29	12.9%
September	16	7.5%	32	14.0%	29	12.3%	21	8.4%	22	9.8%
October	16	7.5%	28	12.3%	23	9.8%	27	10.8%	24	10.7%
November	25	11.7%	22	9.6%	28	11.9%	35	14.0%	16	7.1%
December	18	8.4%	19	8.3%	12	5.1%	18	7.2%	18	8.0%

Rate Group 728 - ROOFING

LTIs by Month for 2014-2018 based on March 2019 snapshot

