

# Rate Group 732 – Heavy Civil Construction

## Member Firm Injury Performance

Based on the March 2019 Snapshot

Overall Injury Performance in Rate Group 732				
		2018	2017	% Change
<b>Total Injury Rate (LTIs+NLTIs+Tr Fatalities)</b>		6.76	7.97	-15.2%
<b>Total Injury Count (LTIs+NLTIs+Tr Fatalities)</b>		1,088	1,204	-9.6%
<b>Traumatic Fatalities Count</b>	Allowed	2	0	-
	Pending	0	0	-
<b>LTI Rate</b>		0.75	1.09	-31.8%
<b>LTI Count</b>		120	165	-27.3%
<b>NLTI Count</b>		966	1,039	-7.0%
<b>FTE</b>		16,105	15,109	6.6%

Lost Time Injury Profile. Rate Group 732						
	2018		2017		% Change	
	Count	Rate	Count	Rate	Count	Rate
<b>MSDs</b>	41	0.25	48	0.32	-14.6%	-19.9%
<b>Falls</b>	19	0.12	36	0.24	-47.2%	-50.5%
<b>Machinery</b>	4	0.02	14	0.09	-71.4%	-73.2%
<b>MVIs</b>	3	0.02	1	0.01	200.0%	181.4%
<b>Critical Injuries</b>	8	0.05	18	0.12	-55.6%	-58.3%
<b>New Worker</b>	18	0.11	19	0.13	-5.3%	-11.1%
<b>Young Worker</b>	10	0.06	22	0.15	-54.5%	-57.4%

High Impact Claims. Rate Group 732						
	2018		2017		% Change	
	Count	Rate	Count	Rate	Count	Rate
<b>Lower Back</b>	22	0.14	21	0.14	4.8%	-1.7%
<b>Shoulder</b>	10	0.06	5	0.03	100.0%	87.6%
<b>Fractures</b>	12	0.07	33	0.22	-63.6%	-65.9%
<b>Total HI Claims</b>	44	0.27	59	0.39	-25.4%	-30.0%

## 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.*

# Rate Group 732 – Heavy Civil Construction

## Member Injury Performance Analysis for 2014-2018

Based on March 2019 Snapshot

Overall Injury Performance Rate Group 732								
Year	LTIs			Non LTIs		Total*		Derived FTE
	Count	Rate	Traumatic Fatalities	Count	Rate	Count	Rate	
<b>2014</b>	174	1.32	3	853	6.47	1,030	7.81	13,187
<b>2015</b>	156	1.05	0	797	5.39	953	6.44	14,799
<b>2016</b>	146	1.00	0	1,033	7.05	1,179	8.04	14,663
<b>2017</b>	165	1.09	0	1,039	6.88	1,204	7.97	15,109
<b>2018</b>	120	0.75	2	966	6.00	1,088	6.76	16,105

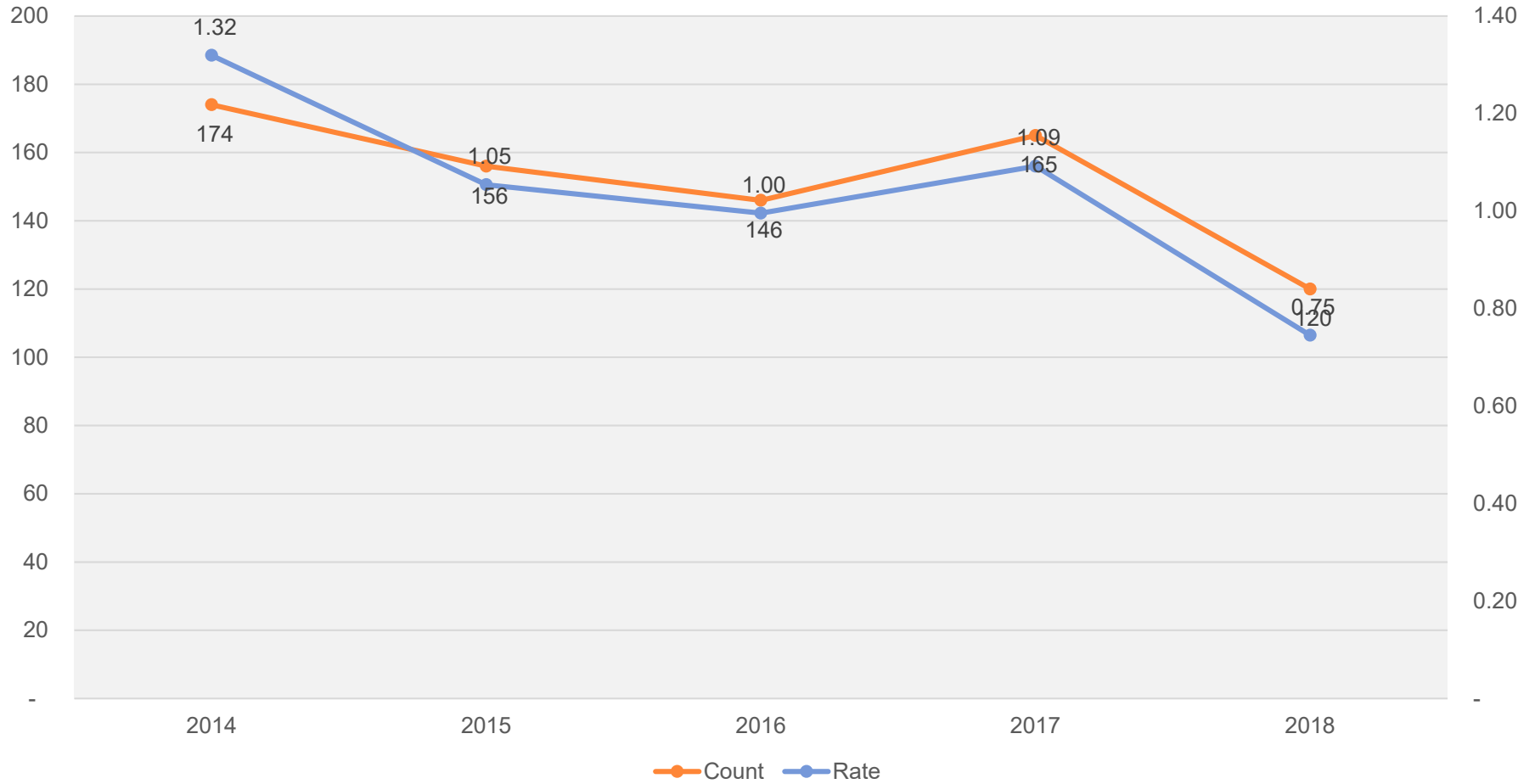
\*Total Injury Count = Traumatic Fatality Count + LTI Count + Non LTI Count

Lost-time Injury Profile Rate Group 732														
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
<b>2014</b>	51	0.39	34	0.26	8	0.06	1	0.01	13	0.10	17	0.13	19	0.14
<b>2015</b>	52	0.35	26	0.18	6	0.04	2	0.01	13	0.09	16	0.11	20	0.14
<b>2016</b>	39	0.27	28	0.19	8	0.05	3	0.02	17	0.12	17	0.12	13	0.09
<b>2017</b>	48	0.32	36	0.24	14	0.09	1	0.01	18	0.12	19	0.13	22	0.15
<b>2018</b>	41	0.25	19	0.12	4	0.02	3	0.02	8	0.05	18	0.11	10	0.06

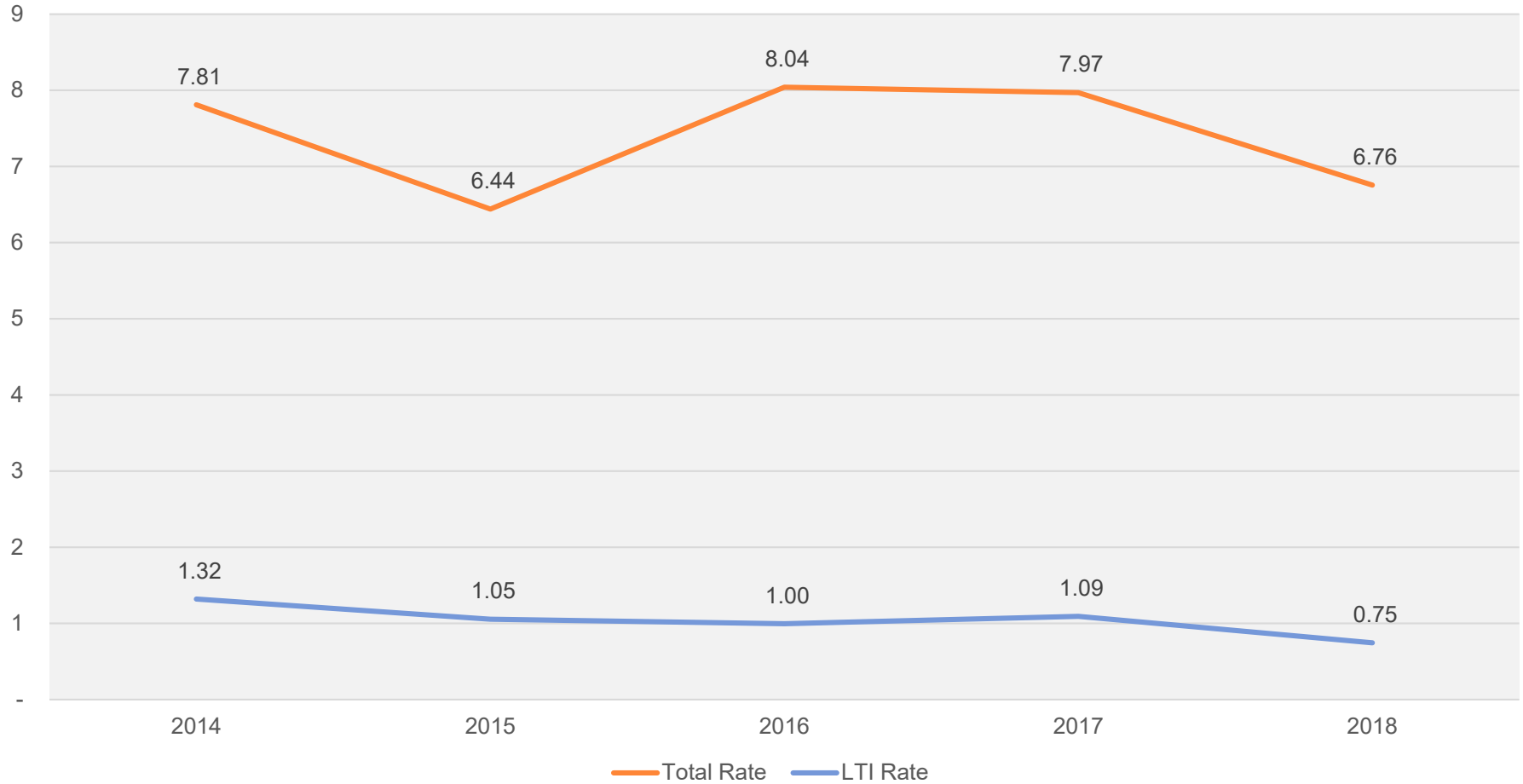
High Impact Lost-time Injury Profile  
Rate Group 732

Year	Lower Back		Shoulder		Fracture		Total	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate
<b>2014</b>	30	0.23	11	0.08	28	0.21	69	0.52
<b>2015</b>	27	0.18	8	0.05	22	0.15	57	0.39
<b>2016</b>	23	0.16	12	0.08	13	0.09	48	0.33
<b>2017</b>	21	0.14	5	0.03	33	0.22	59	0.39
<b>2018</b>	22	0.14	10	0.06	12	0.07	44	0.27

### Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTI Count and Rate for 2014-2018 based on March 2019 snapshot

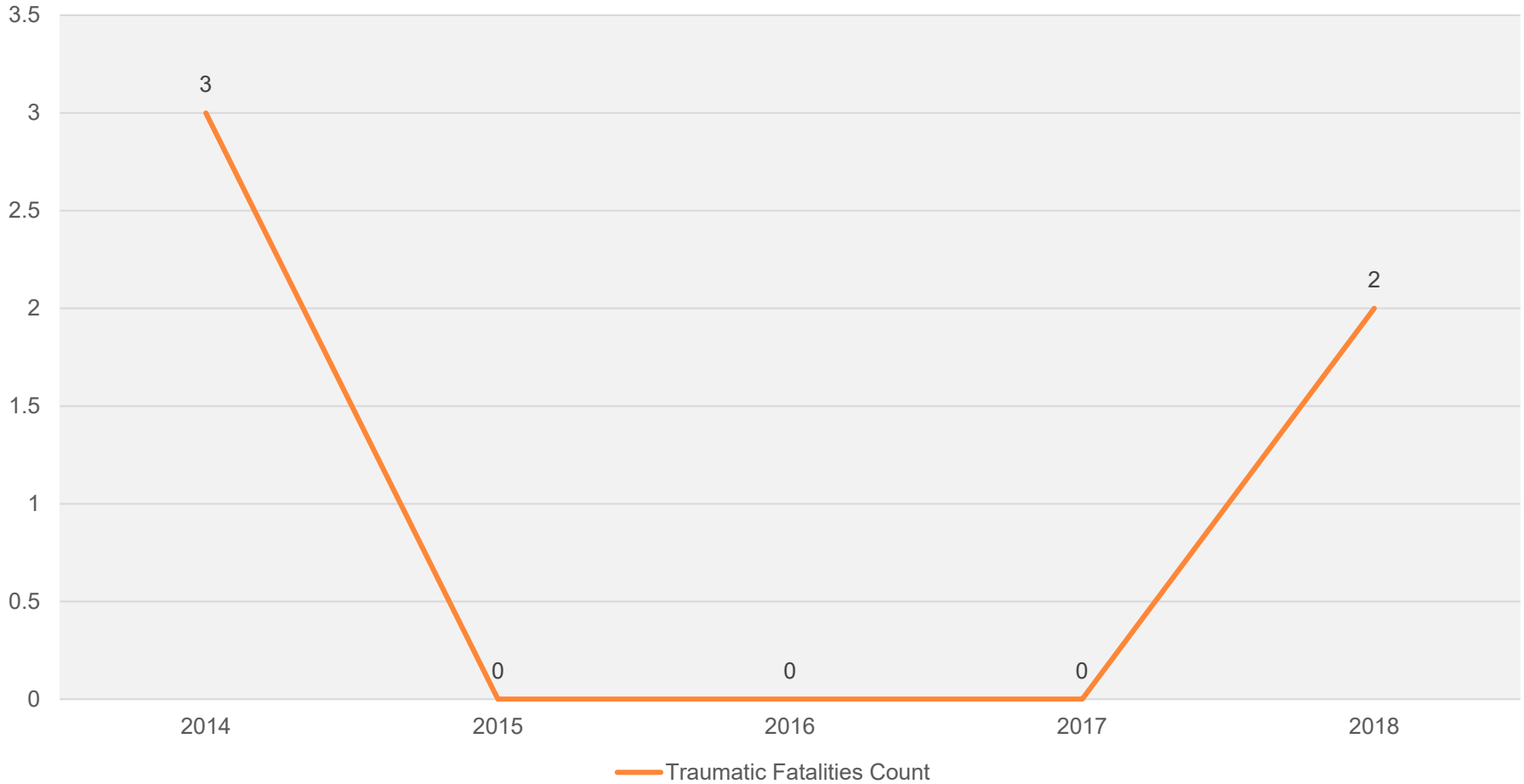


### Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTI Rate and Total Rate for 2014-2018 based on March 2019 snapshot

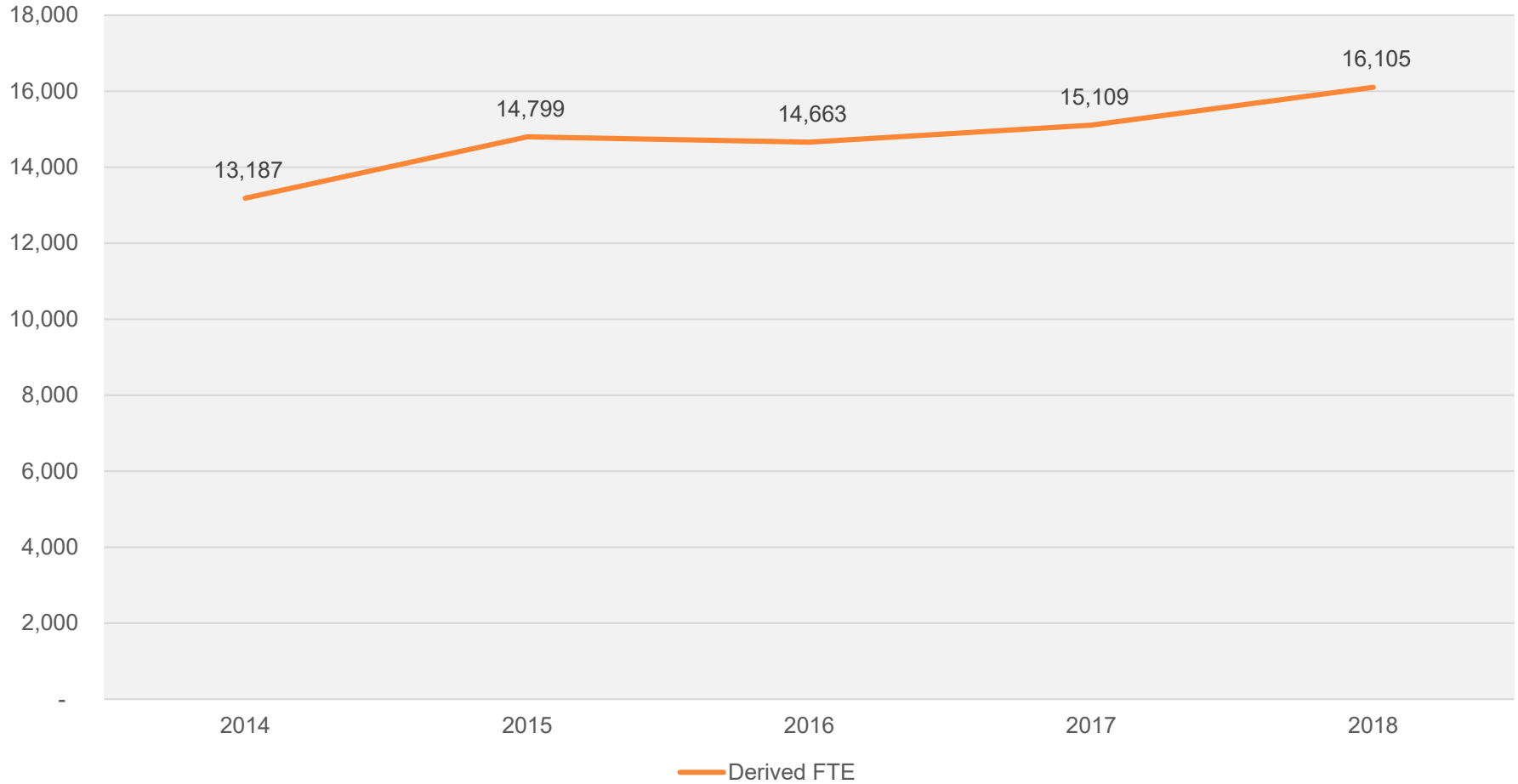




### Rate Group 732 - HEAVY CIVIL CONSTRUCTION Traumatic Fatalities for 2014-2018 based on March 2019 snapshot



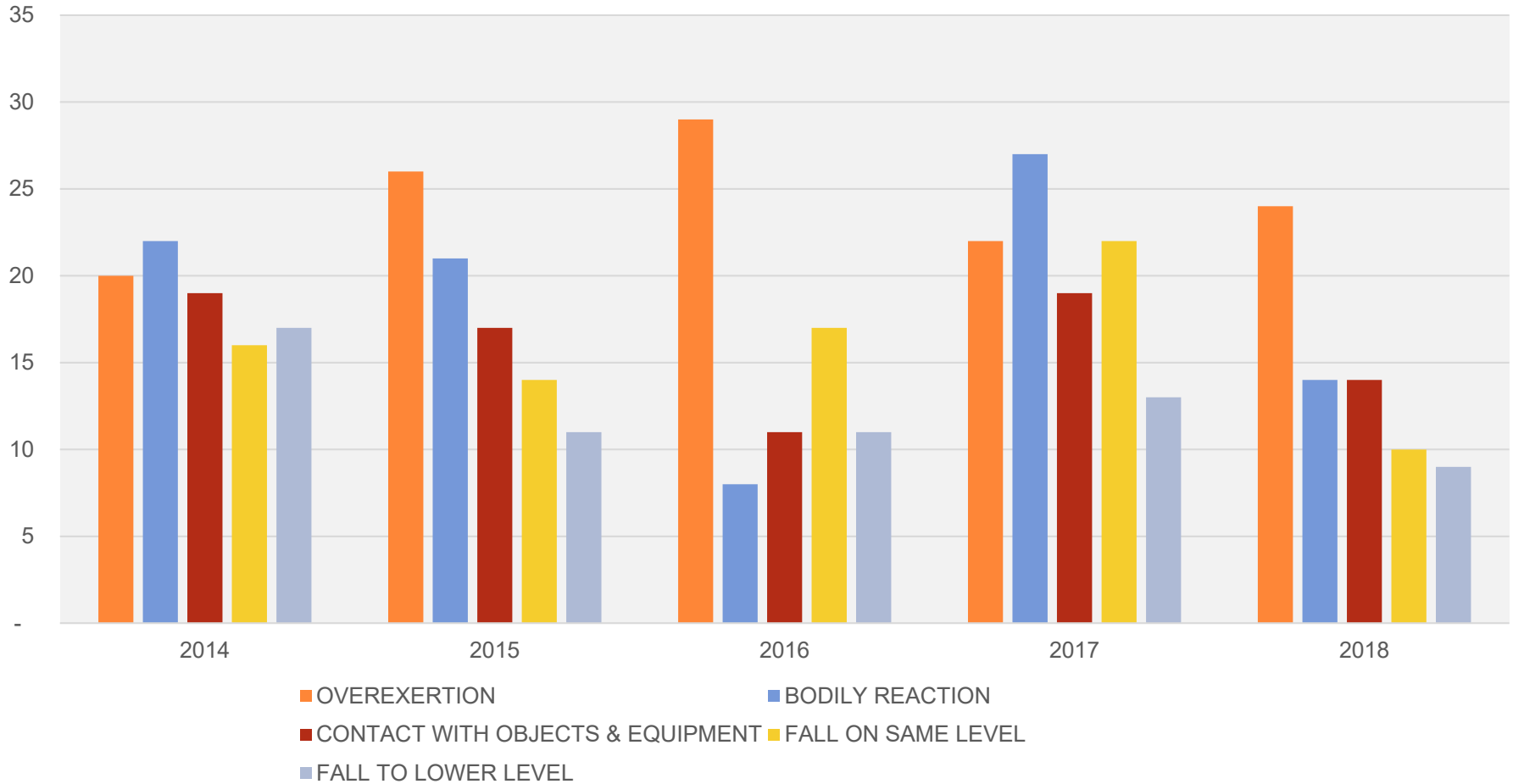
### Rate Group 732 - HEAVY CIVIL CONSTRUCTION Derived FTE for 2014-2018 based on March 2019 snapshot



**Top 5 Most Common Incident Types  
Rate Group 732**

Year	OVEREXERTION		BODILY REACTION		CONTACT WITH OBJECTS & EQUIPMENT		FALL ON SAME LEVEL		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
<b>2014</b>	20	11.5%	22	12.6%	19	10.9%	16	9.2%	17	9.8%	94	54.0%
<b>2015</b>	26	16.7%	21	13.5%	17	10.9%	14	9.0%	11	7.1%	89	57.1%
<b>2016</b>	29	19.9%	8	5.5%	11	7.5%	17	11.6%	11	7.5%	76	52.1%
<b>2017</b>	22	13.3%	27	16.4%	19	11.5%	22	13.3%	13	7.9%	103	62.4%
<b>2018</b>	24	20.0%	14	11.7%	14	11.7%	10	8.3%	9	7.5%	71	59.2%

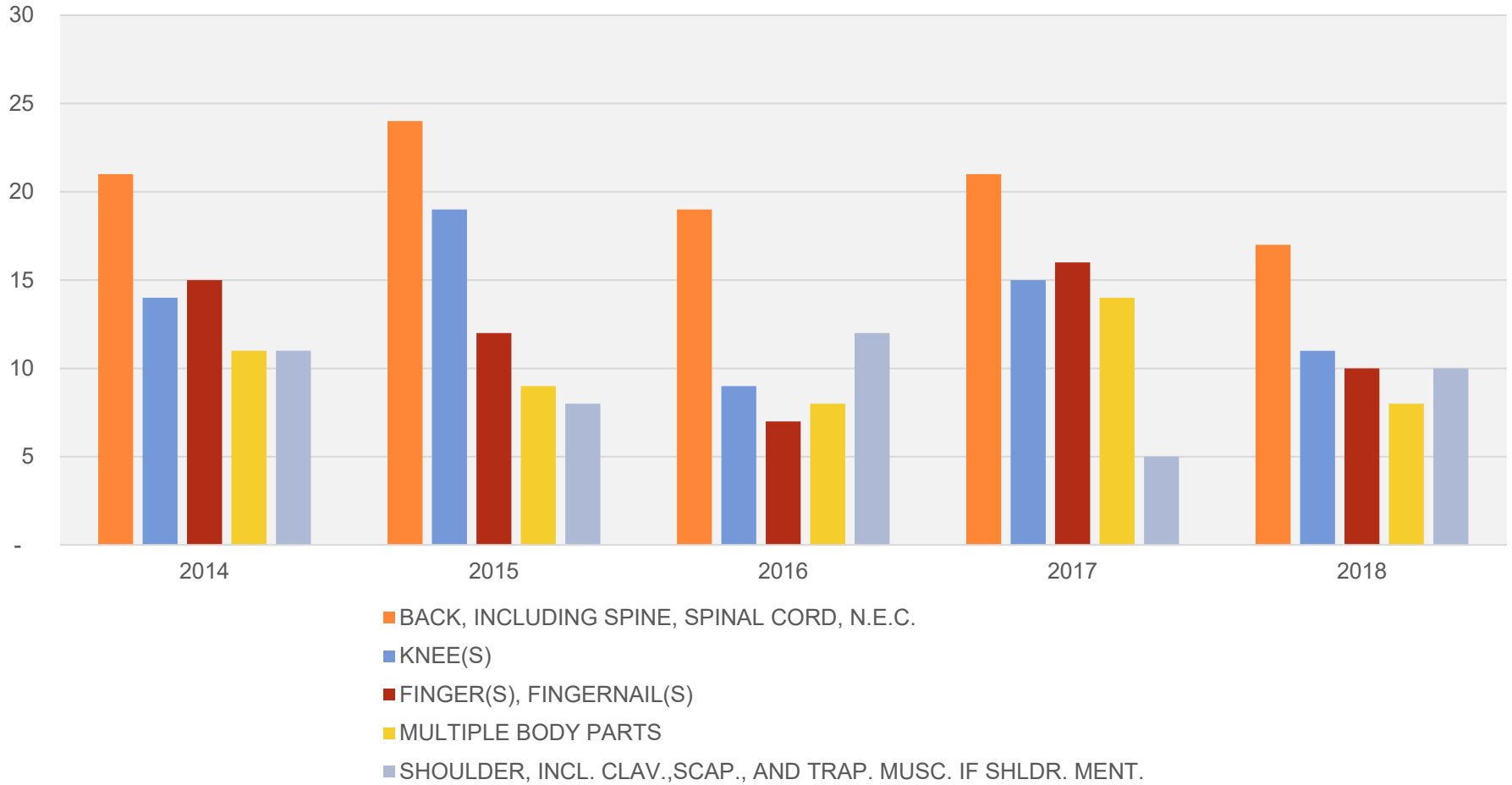
### Rate Group 732 - HEAVY CIVIL CONSTRUCTION Top 5 Incident Types for 2014-2018 based on March 2019 snapshot



**Top 5 Most Common Parts of Body Injured  
Rate Group 732**

Year	BACK, INCLUDING SPINE, SPINAL CORD, N.E.C.		KNEE(S)		FINGER(S), FINGERNAIL(S)		MULTIPLE BODY PARTS		SHOULDER, INCL. CLAV., SCAP., AND TRAP. MUSC. IF SHLDR. MENT.		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
<b>2014</b>	21	12.1%	14	8.0%	15	8.6%	11	6.3%	11	6.3%	72	41.4%
<b>2015</b>	24	15.4%	19	12.2%	12	7.7%	9	5.8%	8	5.1%	72	46.2%
<b>2016</b>	19	13.0%	9	6.2%	7	4.8%	8	5.5%	12	8.2%	55	37.7%
<b>2017</b>	21	12.7%	15	9.1%	16	9.7%	14	8.5%	5	3.0%	71	43.0%
<b>2018</b>	17	14.2%	11	9.2%	10	8.3%	8	6.7%	10	8.3%	56	46.7%

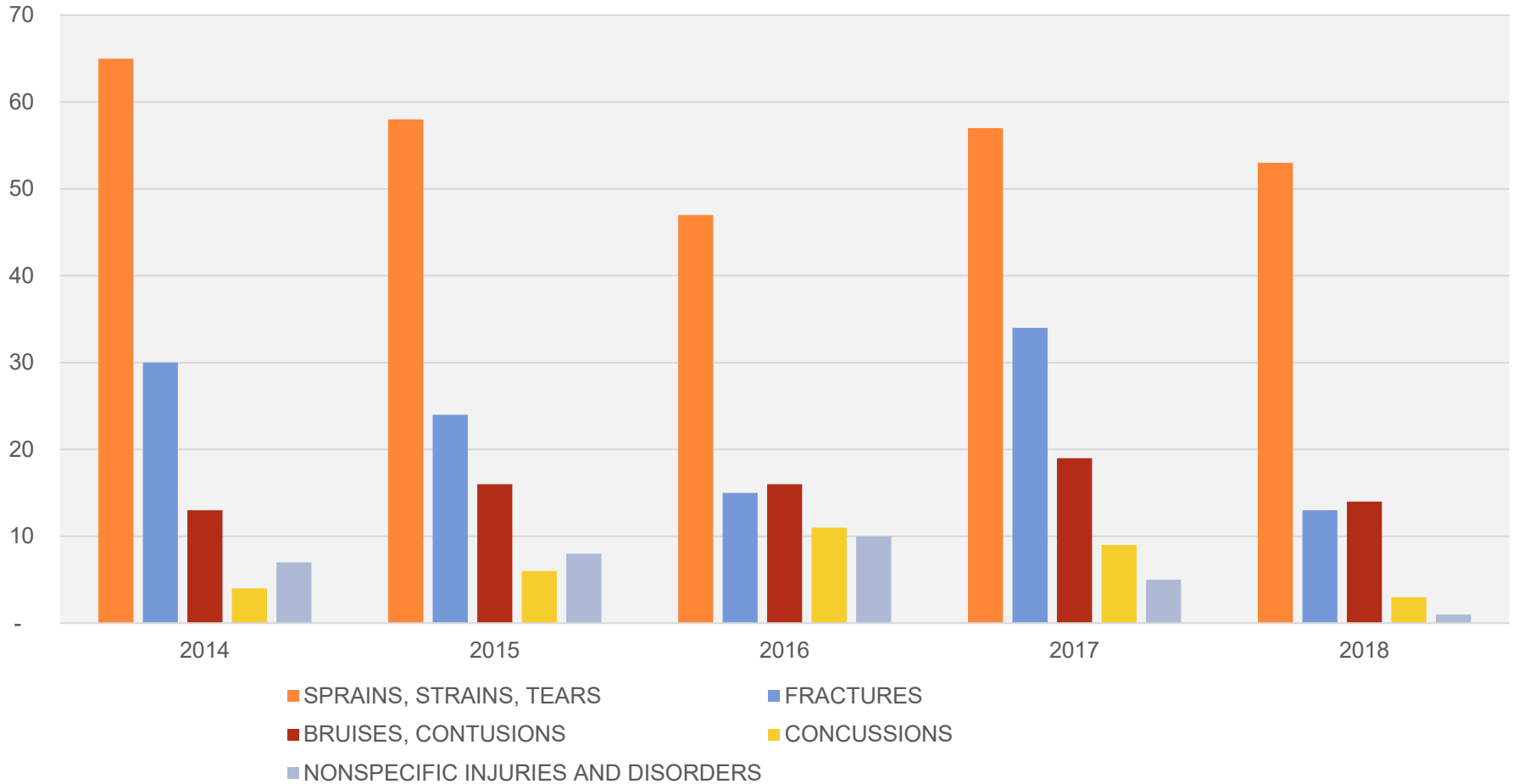
### Rate Group 732 - HEAVY CIVIL CONSTRUCTION Top 5 Parts of Body Injured for 2014-2018 based on March 2019 snapshot



**Top 5 Most Common Nature of Injury Categories  
Rate Group 732**

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
<b>2014</b>	65	37.4%	30	17.2%	13	7.5%	4	2.3%	7	4.0%	119	68.4%
<b>2015</b>	58	37.2%	24	15.4%	16	10.3%	6	3.8%	8	5.1%	112	71.8%
<b>2016</b>	47	32.2%	15	10.3%	16	11.0%	11	7.5%	10	6.8%	99	67.8%
<b>2017</b>	57	34.5%	34	20.6%	19	11.5%	9	5.5%	5	3.0%	124	75.2%
<b>2018</b>	53	44.2%	13	10.8%	14	11.7%	3	2.5%	1	0.8%	84	70.0%

### Rate Group 732 - HEAVY CIVIL CONSTRUCTION Top 5 Nature of Injury Categories for 2014-2018 based on March 2019 snapshot

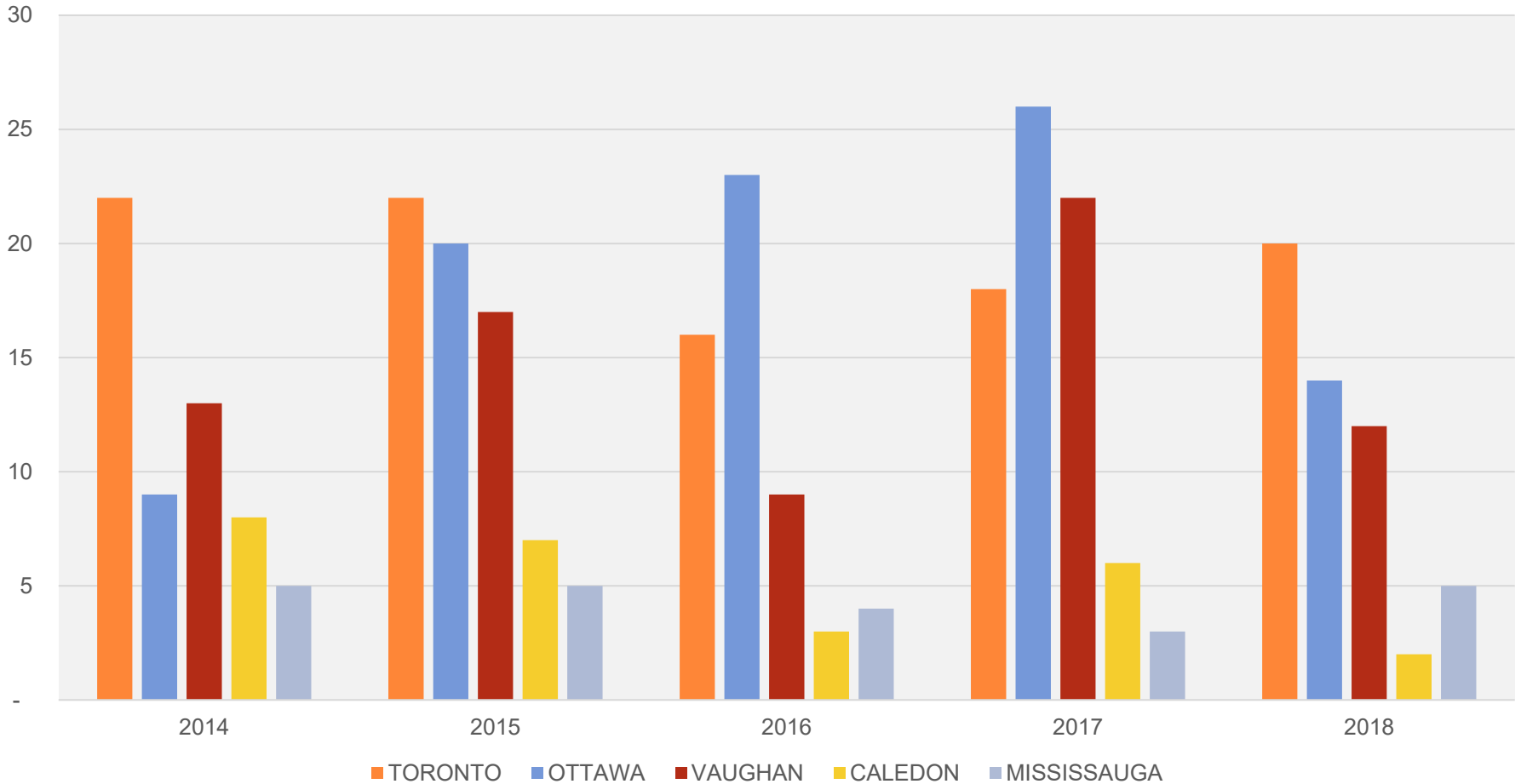




Top 5 Most Common Incident Places  
Rate Group 732

Year	TORONTO		OTTAWA		VAUGHAN		CALEDON		MISSISSAUGA		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
<b>2014</b>	22	12.6%	9	5.2%	13	7.5%	8	4.6%	5	2.9%	57	32.8%
<b>2015</b>	22	14.1%	20	12.8%	17	10.9%	7	4.5%	5	3.2%	71	45.5%
<b>2016</b>	16	11.0%	23	15.8%	9	6.2%	3	2.1%	4	2.7%	55	37.7%
<b>2017</b>	18	10.9%	26	15.8%	22	13.3%	6	3.6%	3	1.8%	75	45.5%
<b>2018</b>	20	16.7%	14	11.7%	12	10.0%	2	1.7%	5	4.2%	53	44.2%

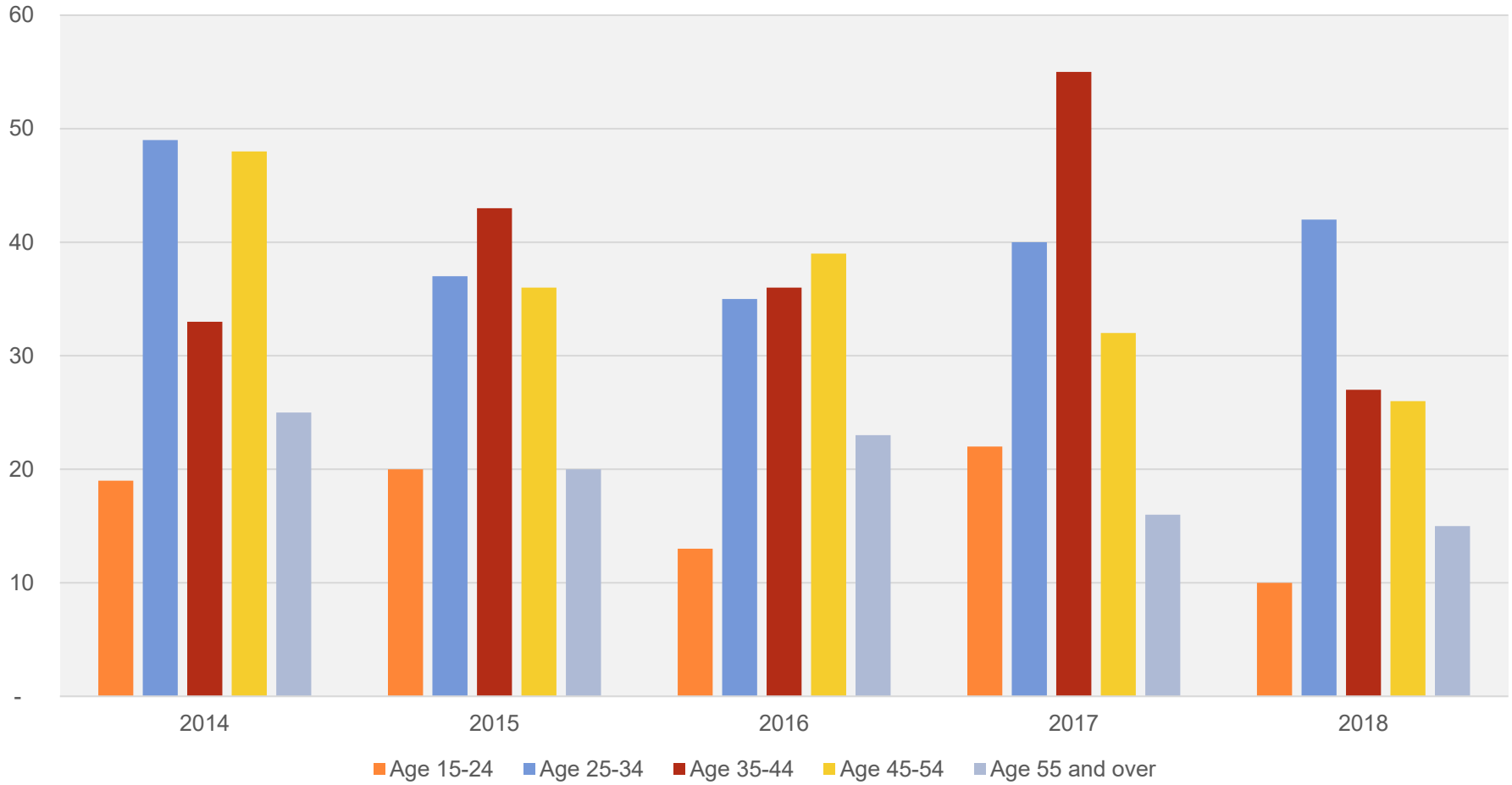
**Rate Group 732 - HEAVY CIVIL CONSTRUCTION**  
**Top 5 Incident Places for 2014-2018 based on March 2019 snapshot**



Age Band Breakdown  
Rate Group 732

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
<b>2014</b>	-	0.0%	19	10.9%	49	28.2%	33	19.0%	48	27.6%	25	14.4%	-	0.0%
<b>2015</b>	-	0.0%	20	12.8%	37	23.7%	43	27.6%	36	23.1%	20	12.8%	-	0.0%
<b>2016</b>	-	0.0%	13	8.9%	35	24.0%	36	24.7%	39	26.7%	23	15.8%	-	0.0%
<b>2017</b>	-	0.0%	22	13.3%	40	24.2%	55	33.3%	32	19.4%	16	9.7%	-	0.0%
<b>2018</b>	-	0.0%	10	8.3%	42	35.0%	27	22.5%	26	21.7%	15	12.5%	-	0.0%

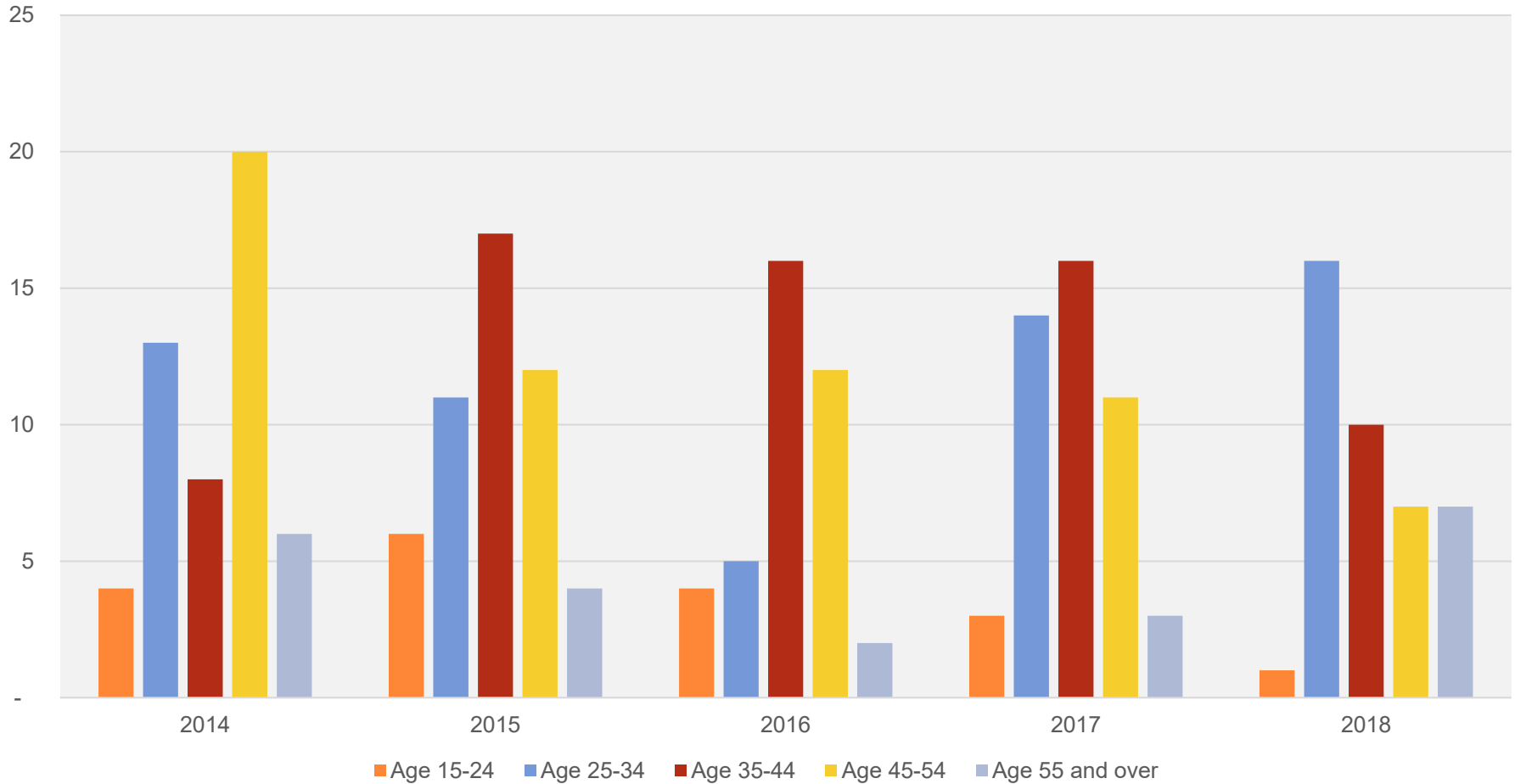
### Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTIs by Age Band for 2014-2018 based on March 2019 snapshot



MSD Breakdown by Age Band  
Rate Group 732

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
<b>2014</b>	-	0.0%	4	7.8%	13	25.5%	8	15.7%	20	39.2%	6	11.8%	-	0.0%
<b>2015</b>	-	0.0%	6	12.0%	11	22.0%	17	34.0%	12	24.0%	4	8.0%	-	0.0%
<b>2016</b>	-	0.0%	4	10.3%	5	12.8%	16	41.0%	12	30.8%	2	5.1%	-	0.0%
<b>2017</b>	-	0.0%	3	6.4%	14	29.8%	16	34.0%	11	23.4%	3	6.4%	-	0.0%
<b>2018</b>	-	0.0%	1	2.4%	16	39.0%	10	24.4%	7	17.1%	7	17.1%	-	0.0%

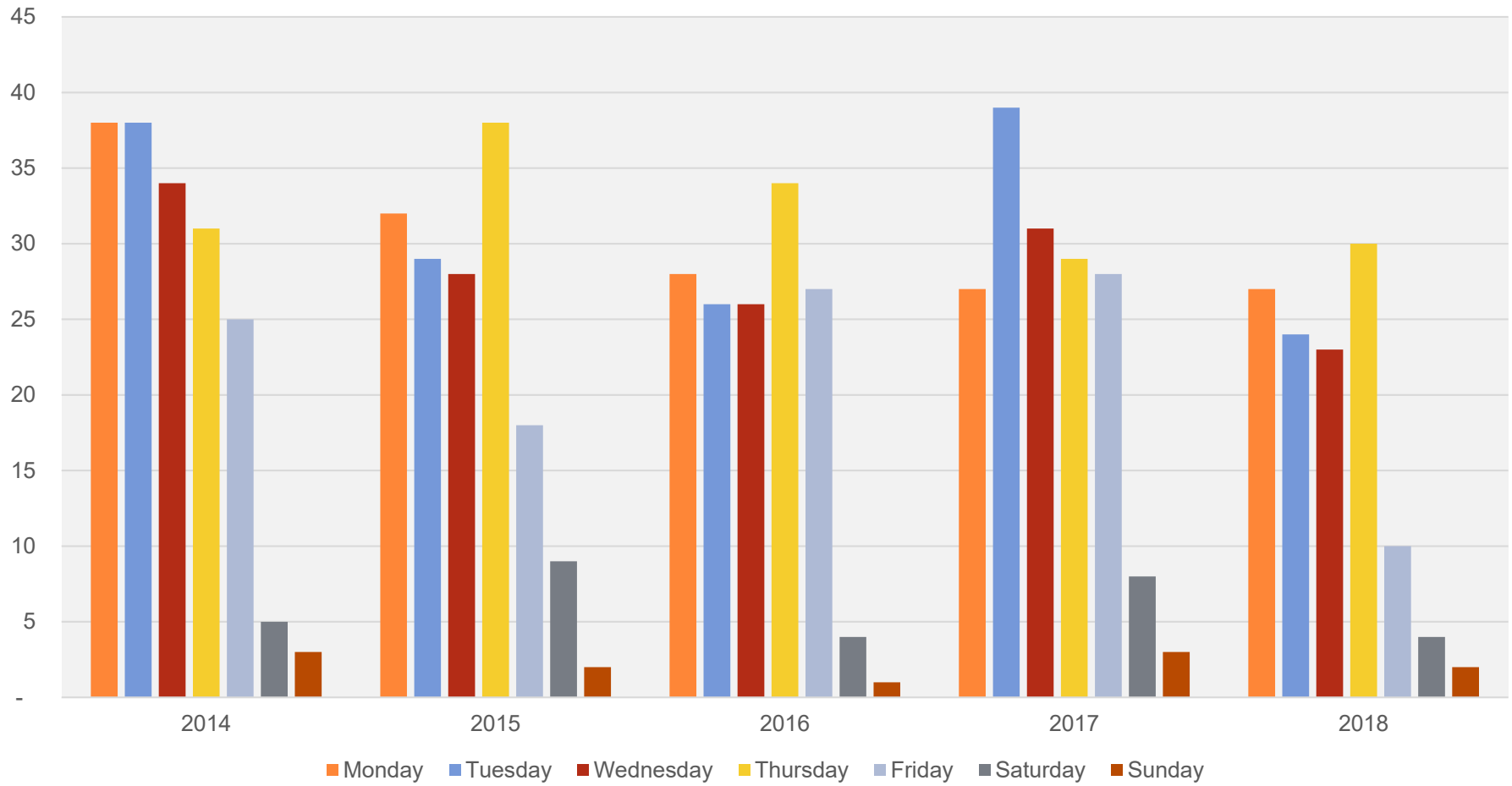
### Rate Group 732 - HEAVY CIVIL CONSTRUCTION MSD by Age Band for for 2014-2018 based on March 2019 snapshot



LTI Breakdown by Day of Week  
Rate Group 732

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
<b>2014</b>	38	21.8%	38	21.8%	34	19.5%	31	17.8%	25	14.4%	5	2.9%	3	1.7%
<b>2015</b>	32	20.5%	29	18.6%	28	17.9%	38	24.4%	18	11.5%	9	5.8%	2	1.3%
<b>2016</b>	28	19.2%	26	17.8%	26	17.8%	34	23.3%	27	18.5%	4	2.7%	1	0.7%
<b>2017</b>	27	16.4%	39	23.6%	31	18.8%	29	17.6%	28	17.0%	8	4.8%	3	1.8%
<b>2018</b>	27	22.5%	24	20.0%	23	19.2%	30	25.0%	10	8.3%	4	3.3%	2	1.7%

### Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTIs by Day of Week for 2014-2018 based on March 2019 snapshot





LTI Breakdown By Month  
Rate Group 732

Month	2014		2015		2016		2017		2018	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
January	8	4.6%	9	5.8%	7	4.8%	11	6.7%	12	10.0%
February	9	5.2%	10	6.4%	10	6.8%	9	5.5%	6	5.0%
March	14	8.0%	10	6.4%	5	3.4%	12	7.3%	4	3.3%
April	13	7.5%	12	7.7%	7	4.8%	4	2.4%	6	5.0%
May	12	6.9%	8	5.1%	7	4.8%	15	9.1%	16	13.3%
June	17	9.8%	21	13.5%	18	12.3%	8	4.8%	9	7.5%
July	23	13.2%	19	12.2%	19	13.0%	15	9.1%	10	8.3%
August	17	9.8%	15	9.6%	19	13.0%	22	13.3%	13	10.8%
September	22	12.6%	19	12.2%	22	15.1%	23	13.9%	14	11.7%
October	19	10.9%	15	9.6%	10	6.8%	20	12.1%	12	10.0%
November	9	5.2%	11	7.1%	14	9.6%	16	9.7%	12	10.0%
December	11	6.3%	7	4.5%	8	5.5%	10	6.1%	6	5.0%

### Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTIs by Month for 2014-2018 based on March 2019 snapshot

