

Rate Group 732 – Heavy Civil Construction

Member Firm Injury Performance

Based on the March 2020 Snapshot

Overall Injury Performance in Rate Group 732			
	2019	2018	% Change
Total Injury Rate (LTIs+NLTIs+Tr Fatalities)	7.01	7.04	-0.4%
Total Injury Count (LTIs+NLTIs+Tr Fatalities)	1,177	1,122	4.9%
Traumatic Fatalities Count	Allowed	2	
	Pending	0	
LTI Rate	0.73	0.82	-10.2%
LTI Count	123	130	-5.4%
NLTI Count	1,052	990	6.3%
FTE	16,784	15,928	5.4%

Lost Time Injury Profile. Rate Group 732						
	2019		2018		% Change	
	Count	Rate	Count	Rate	Count	Rate
MSDs	34	0.20	47	0.30	-27.7%	-31.3%
Falls	22	0.13	20	0.13	10.0%	4.4%
Machinery	3	0.02	3	0.02	0.0%	-5.1%
MVIs	7	0.04	3	0.02	133.3%	121.4%
Critical Injuries	20	0.12	8	0.05	150.0%	137.2%
New Worker	18	0.11	19	0.12	-5.3%	-10.1%
Young Worker	9	0.05	10	0.06	-10.0%	-14.6%

High Impact Claims. Rate Group 732						
	2018		2017		% Change	
	Count	Rate	Count	Rate	Count	Rate
Lower Back	20	0.12	24	0.15	-16.7%	-20.9%
Shoulder	5	0.03	11	0.07	-54.5%	-56.9%
Fractures	12	0.07	33	0.21	-63.6%	-65.5%
Total HI Claims	44	0.26	59	0.37	-25.4%	-29.2%

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 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	
2015	156	1.06	1	798	5.40	955	6.46	14,777
2016	147	1.00	0	1,033	7.06	1,180	8.06	14,635
2017	165	1.10	0	1,043	6.95	1,208	8.05	15,009
2018	130	0.82	2	990	6.22	1,122	7.04	15,928
2019	123	0.73	2	1,052	6.27	1,177	7.01	16,784

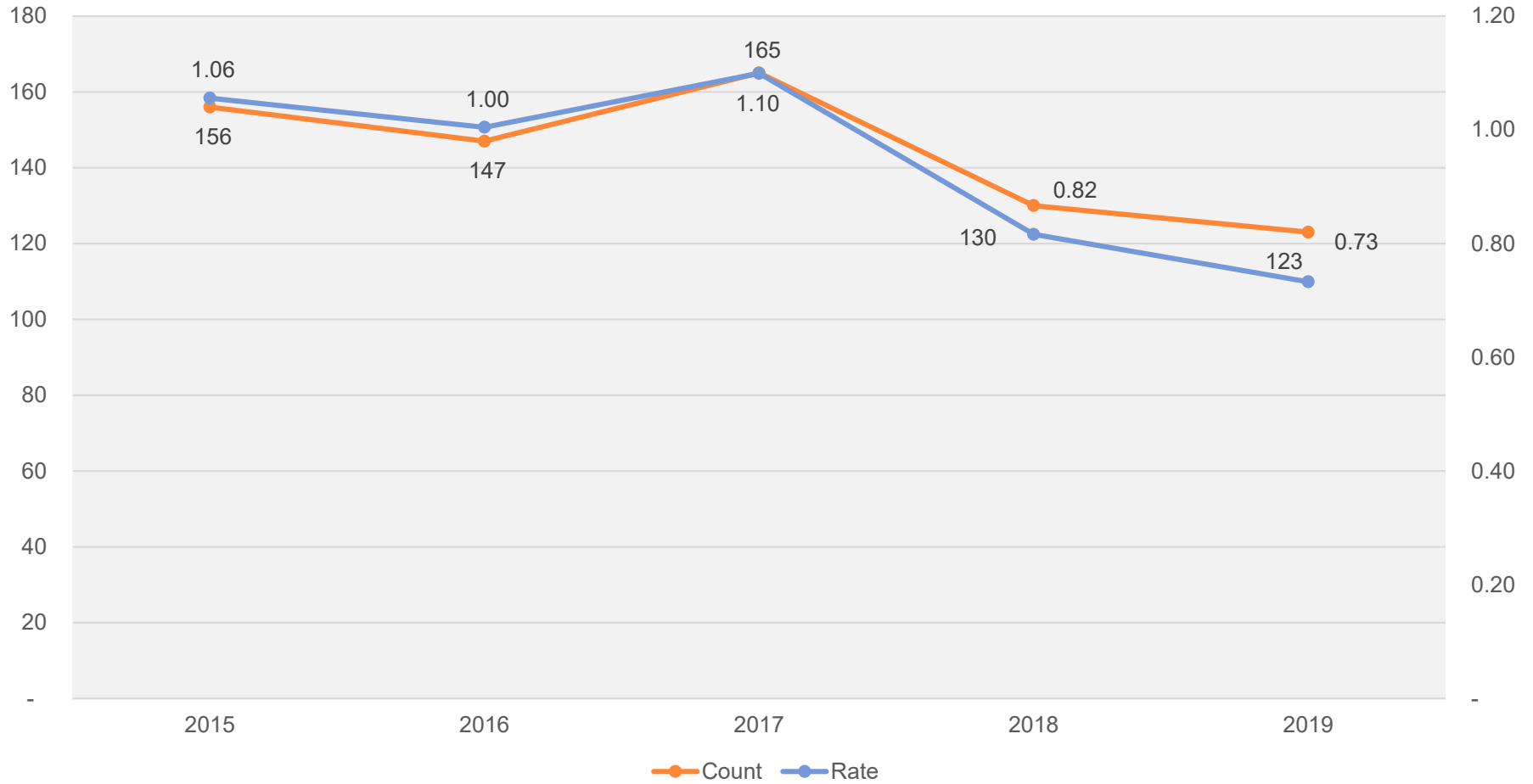
*Total Injury Count = Traumatic Fatality Count + LTI Count + Non LTI Count

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

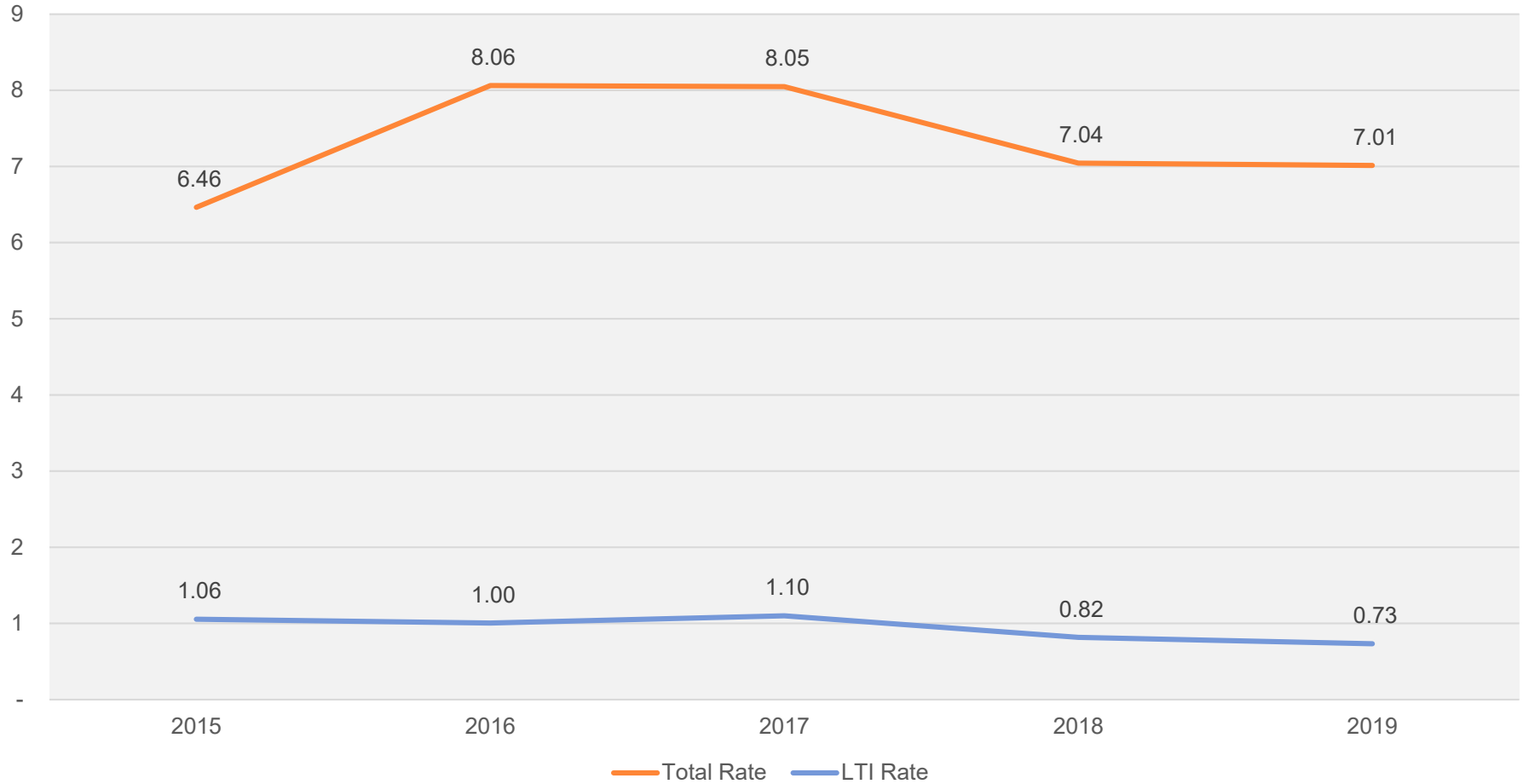
High Impact Lost-time Injury Profile
Rate Group 732

Year	Lower Back		Shoulder		Fracture		Total	
	Count	Rate	Count	Rate	Count	Rate	Count	Rate
2015	27	0.18	8	0.05	28	0.19	69	0.47
2016	23	0.16	12	0.08	22	0.15	57	0.39
2017	21	0.14	5	0.03	13	0.09	48	0.32
2018	24	0.15	11	0.07	33	0.21	59	0.37
2019	20	0.12	5	0.03	12	0.07	44	0.26

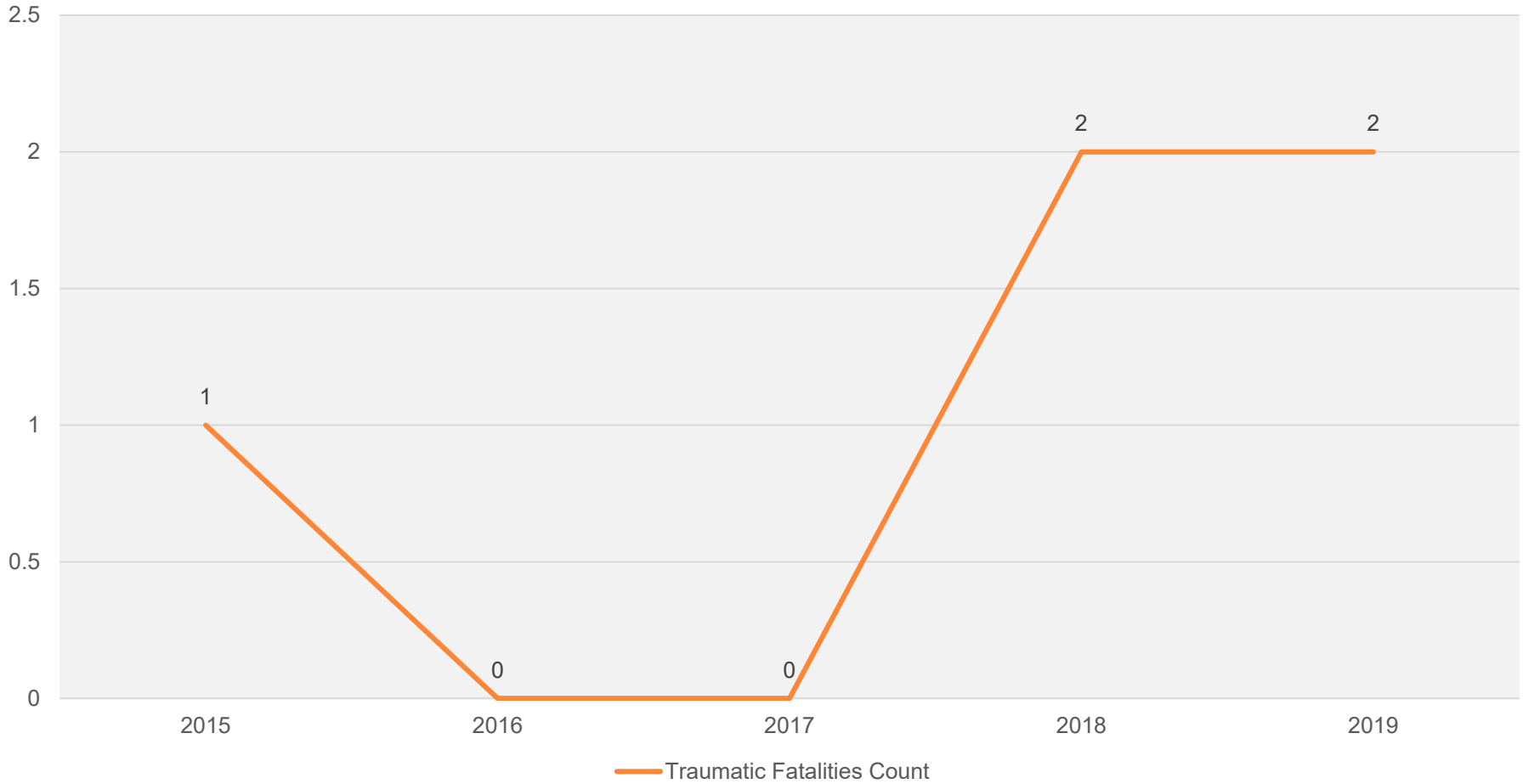
Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTI Count and Rate for 2015-2019 based on March 2020 snapshot



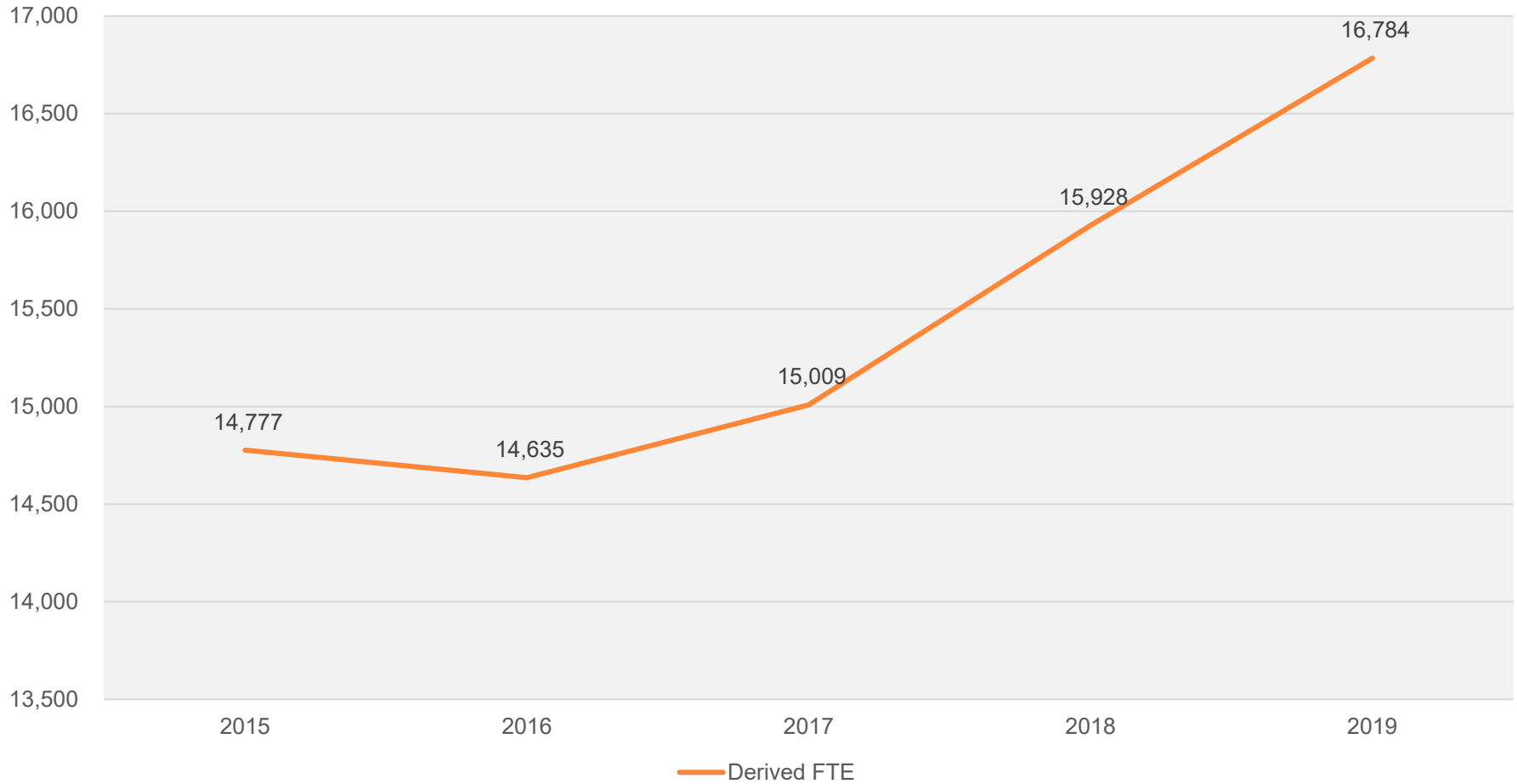
Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTI Rate and Total Rate for 2015-2019 based on March 2020 snapshot



Rate Group 732 - HEAVY CIVIL CONSTRUCTION Traumatic Fatalities for 2015-2019 based on March 2020 snapshot



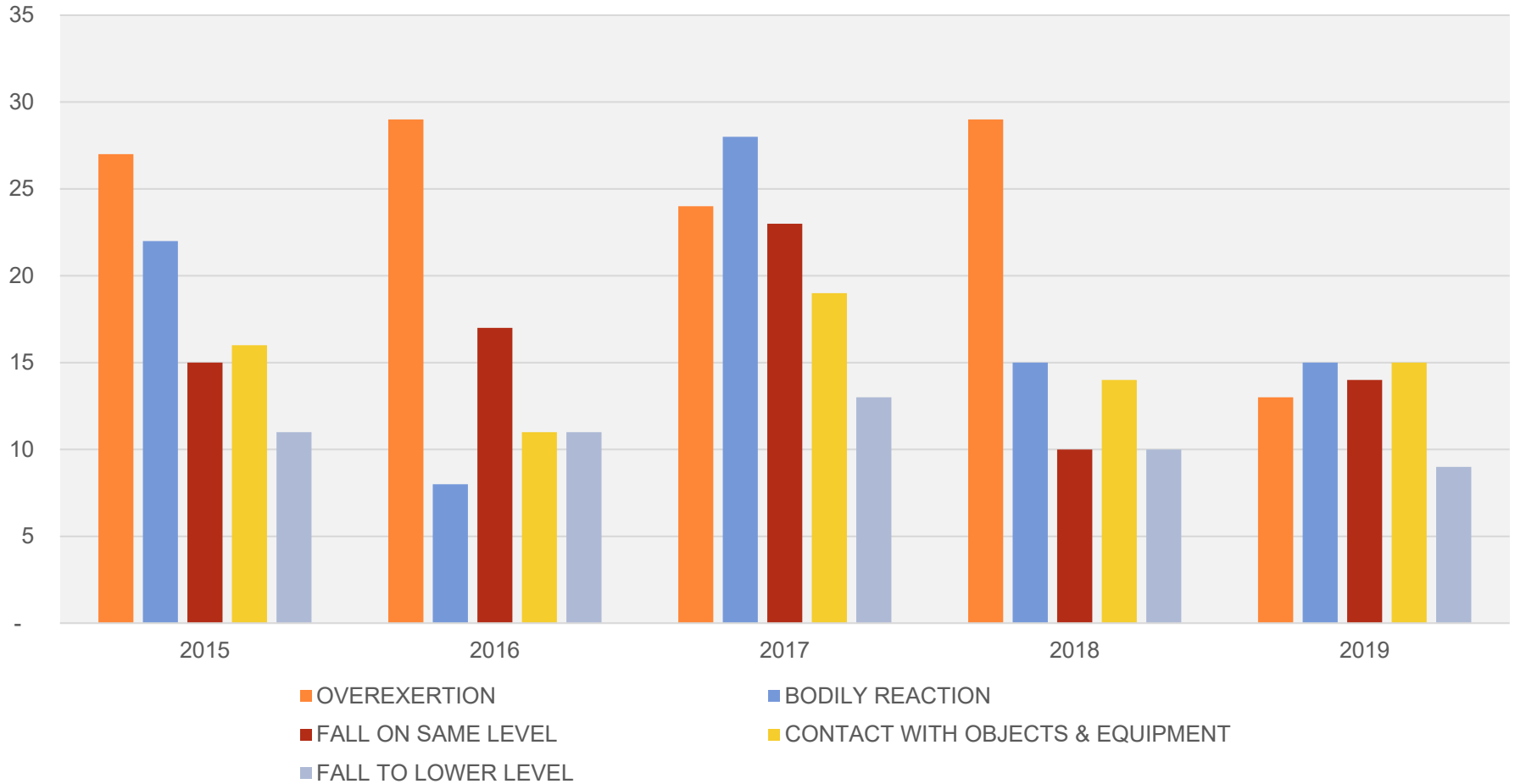
Rate Group 732 - HEAVY CIVIL CONSTRUCTION Derived FTE for 2015-2019 based on March 2020 snapshot



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

Year	OVEREXERTION		BODILY REACTION		FALL ON SAME LEVEL		CONTACT WITH OBJECTS & EQUIPMENT		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	27	17.0%	22	13.8%	15	9.4%	16	10.1%	11	6.9%	91	57.2%
2016	29	19.7%	8	5.4%	17	11.6%	11	7.5%	11	7.5%	76	51.7%
2017	24	14.4%	28	16.8%	23	13.8%	19	11.4%	13	7.8%	107	64.1%
2018	29	22.0%	15	11.4%	10	7.6%	14	10.6%	10	7.6%	78	59.1%
2019	13	10.5%	15	12.1%	14	11.3%	15	12.1%	9	7.3%	66	53.2%

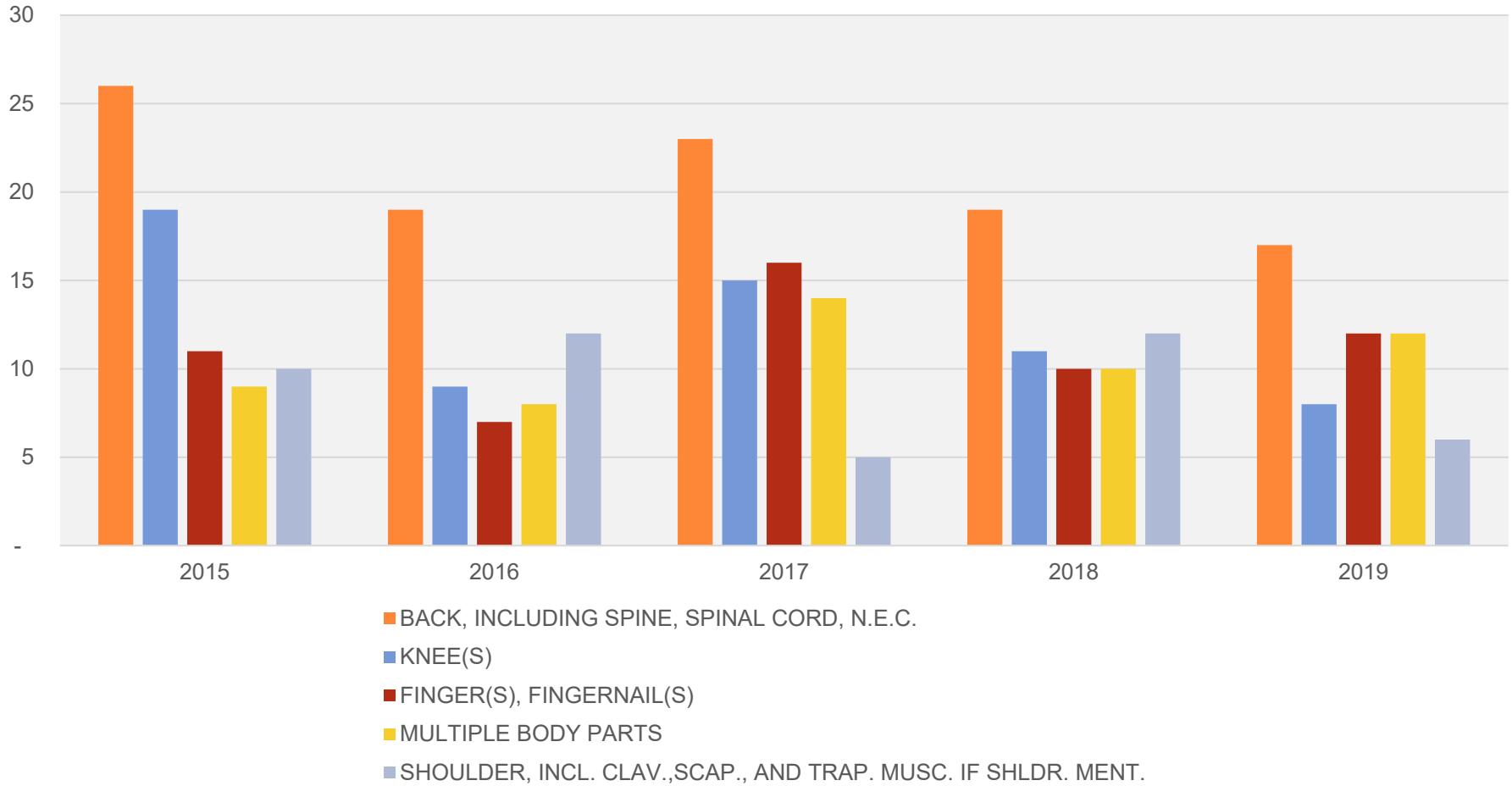
Rate Group 732 - HEAVY CIVIL CONSTRUCTION Top 5 Incident Types for 2015-2019 based on March 2020 snapshot



**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
2015	26	16.4%	19	11.9%	11	6.9%	9	5.7%	10	6.3%	75	47.2%
2016	19	12.9%	9	6.1%	7	4.8%	8	5.4%	12	8.2%	55	37.4%
2017	23	13.8%	15	9.0%	16	9.6%	14	8.4%	5	3.0%	73	43.7%
2018	19	14.4%	11	8.3%	10	7.6%	10	7.6%	12	9.1%	62	47.0%
2019	17	13.7%	8	6.5%	12	9.7%	12	9.7%	6	4.8%	55	44.4%

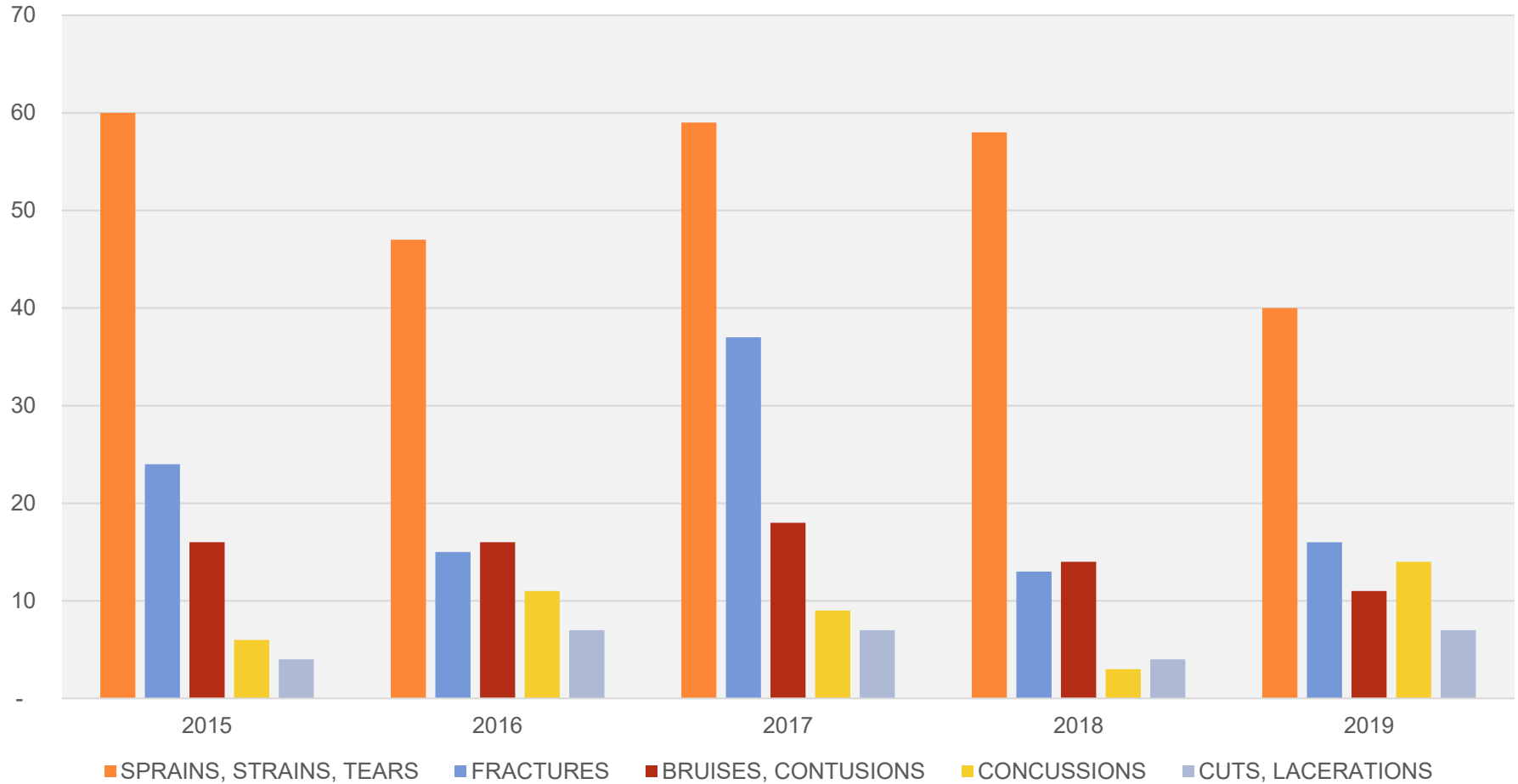
Rate Group 732 - HEAVY CIVIL CONSTRUCTION Top 5 Parts of Body Injured for 2015-2019 based on March 2020 snapshot



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

Year	SPRAINS, STRAINS, TEARS		FRACTURES		BRUISES, CONTUSIONS		CONCUSSIONS		CUTS, LACERATIONS		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	60	37.7%	24	15.1%	16	10.1%	6	3.8%	4	2.5%	110	69.2%
2016	47	32.0%	15	10.2%	16	10.9%	11	7.5%	7	4.8%	96	65.3%
2017	59	35.3%	37	22.2%	18	10.8%	9	5.4%	7	4.2%	130	77.8%
2018	58	43.9%	13	9.8%	14	10.6%	3	2.3%	4	3.0%	92	69.7%
2019	40	32.3%	16	12.9%	11	8.9%	14	11.3%	7	5.6%	88	71.0%

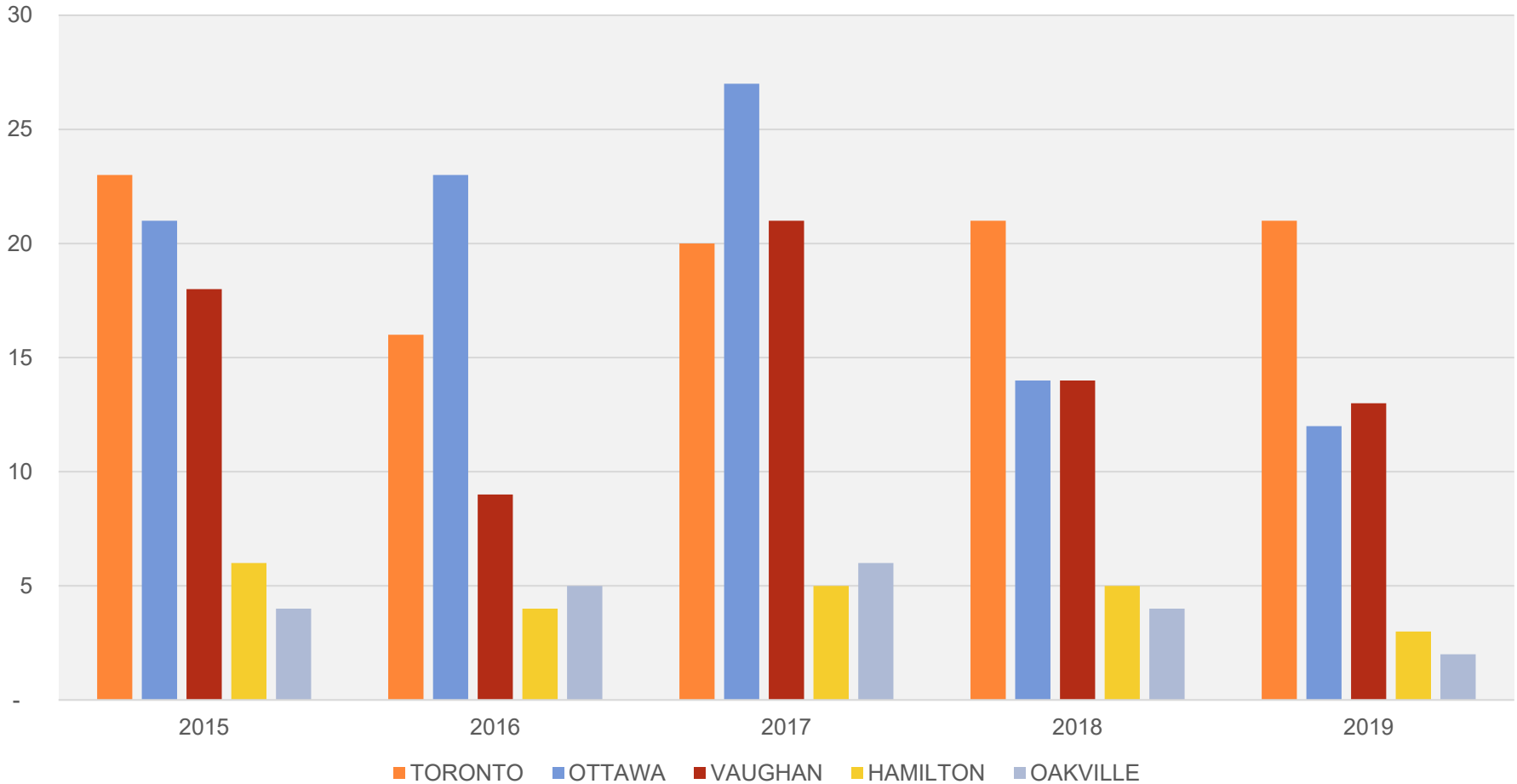
Rate Group 732 - HEAVY CIVIL CONSTRUCTION Top 5 Nature of Injury Categories for 2015-2019 based on March 2020 snapshot



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

Year	TORONTO		OTTAWA		VAUGHAN		HAMILTON		OAKVILLE		Total for Top 5	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
2015	23	14.5%	21	13.2%	18	11.3%	6	3.8%	4	2.5%	72	45.3%
2016	16	10.9%	23	15.6%	9	6.1%	4	2.7%	5	3.4%	57	38.8%
2017	20	12.0%	27	16.2%	21	12.6%	5	3.0%	6	3.6%	79	47.3%
2018	21	15.9%	14	10.6%	14	10.6%	5	3.8%	4	3.0%	58	43.9%
2019	21	16.9%	12	9.7%	13	10.5%	3	2.4%	2	1.6%	51	41.1%

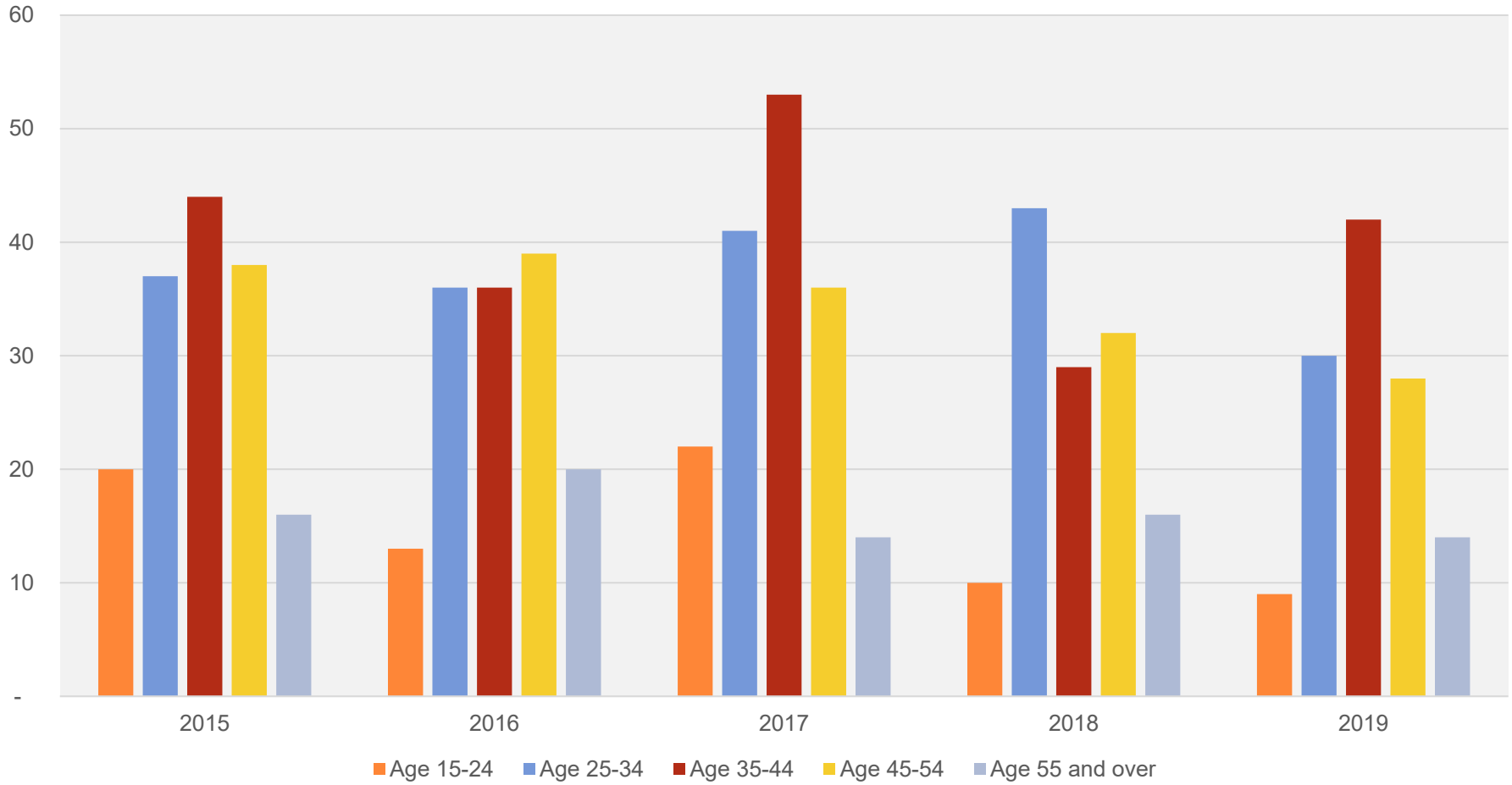
Rate Group 732 - HEAVY CIVIL CONSTRUCTION Top 5 Incident Places for 2015-2019 based on March 2020 snapshot



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
2015	-	0.0%	20	12.6%	37	23.3%	44	27.7%	38	23.9%	16	10.1%	-	0.0%
2016	-	0.0%	13	8.8%	36	24.5%	36	24.5%	39	26.5%	20	13.6%	-	0.0%
2017	-	0.0%	22	13.2%	41	24.6%	53	31.7%	36	21.6%	14	8.4%	-	0.0%
2018	-	0.0%	10	7.6%	43	32.6%	29	22.0%	32	24.2%	16	12.1%	-	0.0%
2019	-	0.0%	9	7.3%	30	24.2%	42	33.9%	28	22.6%	14	11.3%	-	0.0%

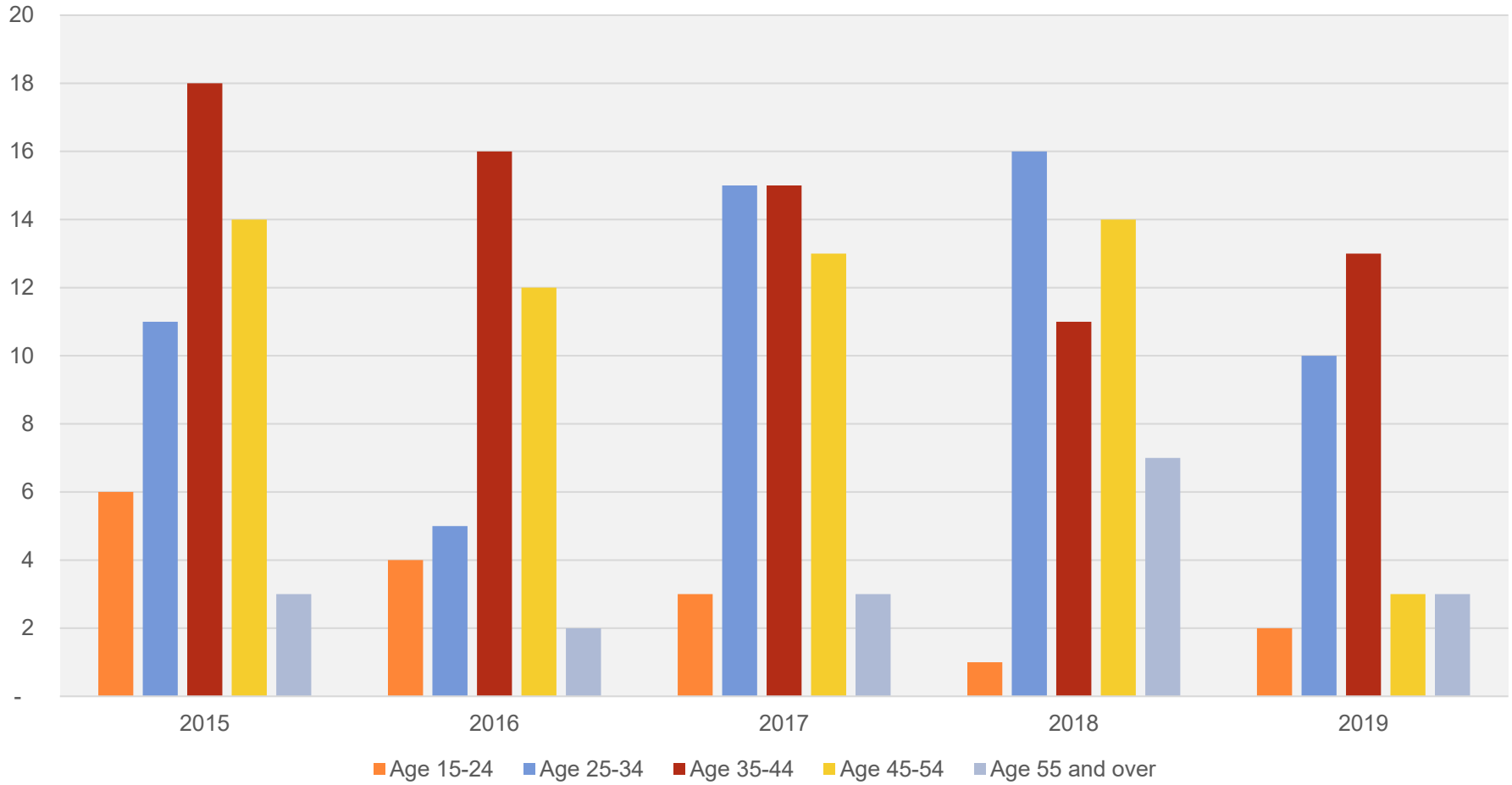
Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTIs by Age Band for 2015-2019 based on March 2020 snapshot



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
2015	-	0.0%	6	11.3%	11	20.8%	18	34.0%	14	26.4%	3	5.7%	-	0.0%
2016	-	0.0%	4	10.3%	5	12.8%	16	41.0%	12	30.8%	2	5.1%	-	0.0%
2017	-	0.0%	3	6.1%	15	30.6%	15	30.6%	13	26.5%	3	6.1%	-	0.0%
2018	-	0.0%	1	2.0%	16	32.7%	11	22.4%	14	28.6%	7	14.3%	-	0.0%
2019	-	0.0%	2	6.3%	10	31.3%	13	40.6%	3	9.4%	3	9.4%	-	0.0%

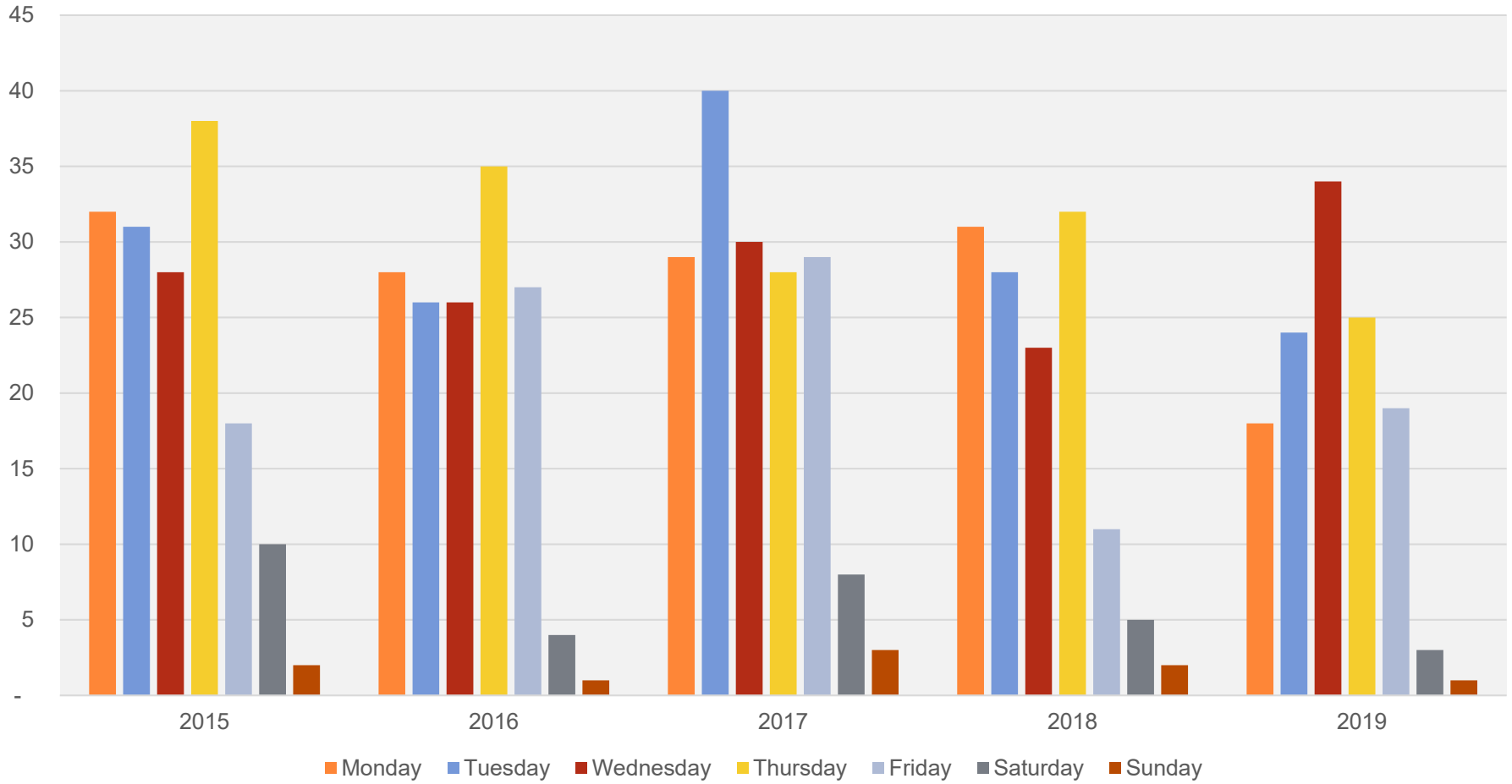
Rate Group 732 - HEAVY CIVIL CONSTRUCTION MSD by Age Band for for 2015-2019 based on March 2020 snapshot



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
2015	32	20.1%	31	19.5%	28	17.6%	38	23.9%	18	11.3%	10	6.3%	2	1.3%
2016	28	19.0%	26	17.7%	26	17.7%	35	23.8%	27	18.4%	4	2.7%	1	0.7%
2017	29	17.4%	40	24.0%	30	18.0%	28	16.8%	29	17.4%	8	4.8%	3	1.8%
2018	31	23.5%	28	21.2%	23	17.4%	32	24.2%	11	8.3%	5	3.8%	2	1.5%
2019	18	14.5%	24	19.4%	34	27.4%	25	20.2%	19	15.3%	3	2.4%	1	0.8%

Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTIs by Day of Week for 2015-2019 based on March 2020 snapshot



LTI Breakdown By Month
Rate Group 732

Month	2015		2016		2017		2018		2019	
	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total	Count	% of Total
January	9	5.7%	7	4.8%	11	6.6%	12	9.1%	9	7.3%
February	10	6.3%	10	6.8%	9	5.4%	6	4.5%	5	4.0%
March	10	6.3%	5	3.4%	13	7.8%	5	3.8%	11	8.9%
April	12	7.5%	7	4.8%	5	3.0%	6	4.5%	3	2.4%
May	8	5.0%	7	4.8%	16	9.6%	17	12.9%	16	12.9%
June	21	13.2%	18	12.2%	7	4.2%	12	9.1%	9	7.3%
July	18	11.3%	19	12.9%	15	9.0%	12	9.1%	7	5.6%
August	15	9.4%	20	13.6%	23	13.8%	15	11.4%	12	9.7%
September	21	13.2%	22	15.0%	24	14.4%	15	11.4%	18	14.5%
October	15	9.4%	10	6.8%	18	10.8%	12	9.1%	14	11.3%
November	12	7.5%	14	9.5%	16	9.6%	13	9.8%	14	11.3%
December	8	5.0%	8	5.4%	10	6.0%	7	5.3%	6	4.8%

Rate Group 732 - HEAVY CIVIL CONSTRUCTION LTIs by Month for 2015-2019 based on March 2020 snapshot

