

# Aligning Workers Compensation with Safety

August 15, 2018



# KEY TERMS

- Experience Modification Rate (EMR)
- OSHA Recordable Incident Rate
- Total Incident Rate
- Lost Time Case Rate
- Lost Workday Rate
- Severity Rate
- DART Rate



Incident Rate =  $\frac{\text{Number of OSHA Recordable Cases X 200,000}}{\text{Number of Employee labor hours worked}}$

LTC Rate =  $\frac{\text{Number of Lost Time Cases X 200,000}}{\text{Number of Employee Labor Hours Worked}}$

DART Rate =  $\frac{\text{Total Number of DART Incidents X 200,000}}{\text{Number of Employee Labor Hours Worked}}$

Severity Rate =  $\frac{\text{Total number lost workdays}}{\text{Total number of recordable incidents}}$

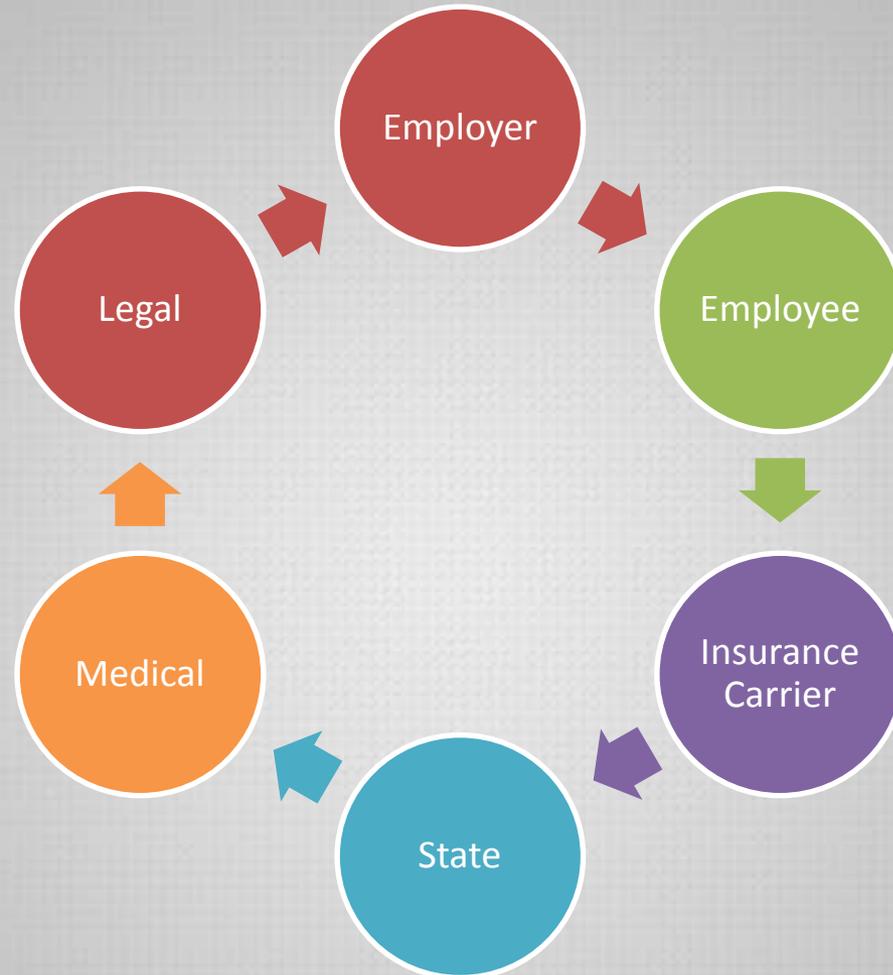
Experience Modification Rate = Goal is to be below a 1.0





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SAFER TOGETHER

# WORKERS' COMPENSATION CYCLE



# What is Safety?

How do you teach Safety?



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**LABOR**  
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# So How Many Fatalities Did We Have in Missouri Workplaces?

2017

118

2018

60



# Workplace Injury Data and Statistics

## 2017

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Fatalities	6	13	11	16	9	10	8	11	12	9	7	6	118
Injury Incidents	7,871	7,213	8,355	7,924	8,703	9,083	8,501	9,411	8,580	8,798	7,856	7,448	99,743
Lost Time Incidents	643	615	828	760	875	835	728	826	715	597	432	392	8,246

## 2018

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total
Fatalities	5	6	12	<b>6</b>	8	10	13						46
Injury Incidents	8,562	8,038	8,679	8,320	9,008	8,823	8,711						<b>60,450</b>
Lost Time Incidents	833	646	542	480	397	113	96						<b>3,831</b>



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# How Many Lost-Time Injuries in 2018?

Total Lost-Time in 2018 = 3,831

Healthcare	497	
Manufacturing	500	
Transportation	463	
Retail Trade	449	
Public Sector	378	
Educational Services	283	
		2,570 67% are in 6 industries



# 2018 Lost-Time Incidents

## Causes of Injury

- **Lifting** 445
- **Fall on same level** 298
- **Strains** 283
- **Slip, Trips, Falls** 274
- **Ice or snow** 210
- **Pushing or Pulling** 174



# The average cost of a lost-time claim in Manufacturing in Missouri is:

**\$44,733.72**

**According to NCCI**



# Transportation & Warehousing

**RANKED #1**  
IN THE MOST WORKPLACE  
**FATALITIES**

Total Number of Fatalities in Top 6 Industries ▶ 72  
Total of All Fatalities ▶ 118  
61% of All Fatalities Are in Top 6 Industries

## Top Industries in Workplace Fatalities



Total Lost Time in Top 6 Industries ▶ 5,427  
Total of All Lost Time ▶ 8,246  
66% of All Lost Time is in Top 6 Industries

**RANKED #4**  
IN THE MOST LOST TIME  
INJURY INCIDENTS

## Top Industries in Lost Time Injury Incidents



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# 2017 Construction Data

The highest number of injury incidents in the construction industry occurred:



at  
Noon



on  
Thursday



in  
August



on  
Multiple  
Body Parts



on  
Males



within  
30-39 Age  
Group



in  
St. Louis  
County



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# 2017 Construction Data



## Injury Incidents by Day of the Week

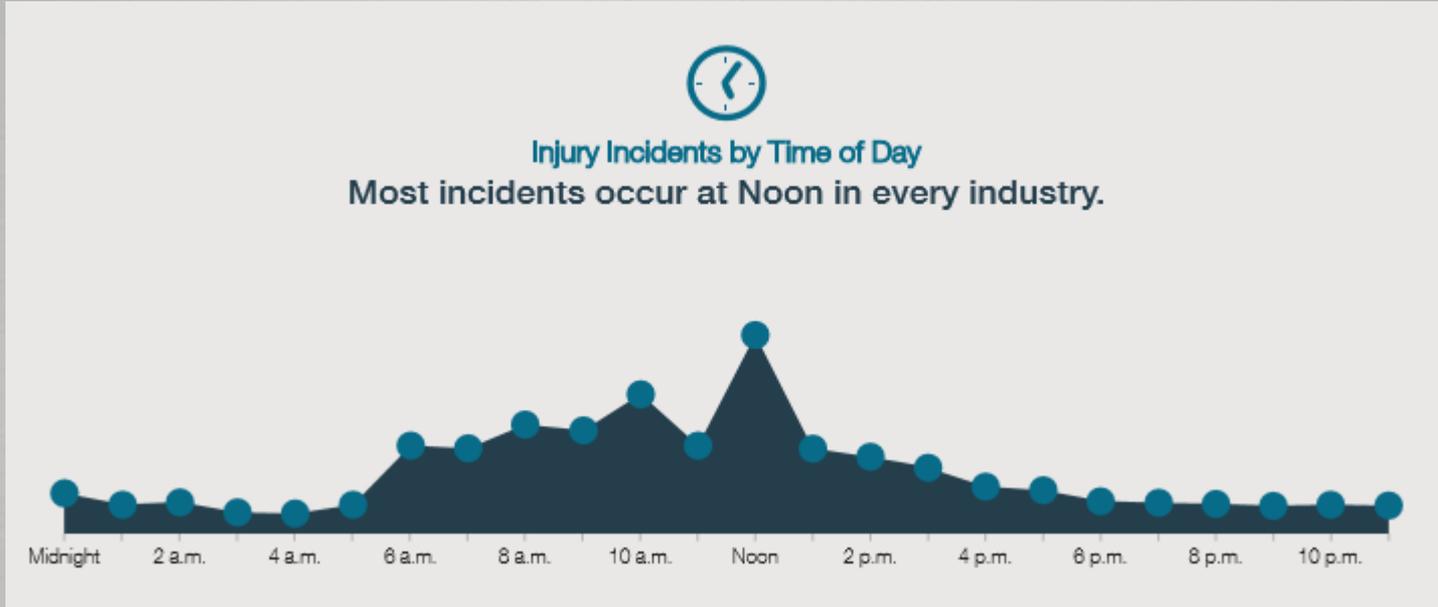
Most construction incidents occurred on a Thursday.

S	M	T	W	T	F	S
135	994	1,008	955	1,017	825	202



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# 2017 Manufacturing Data



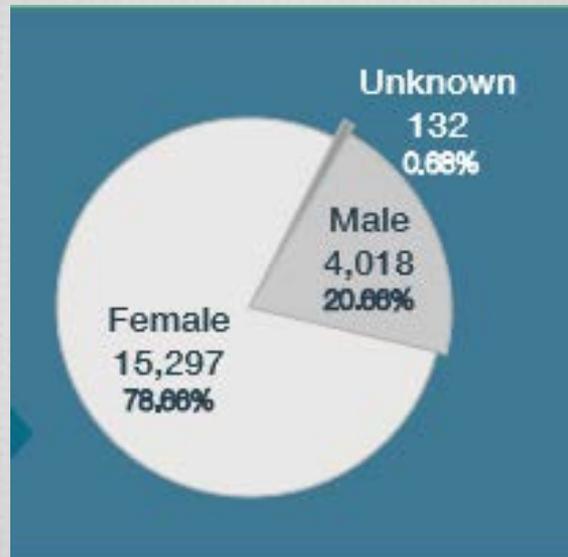
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# 2017 Health Care & Social Assistance



**Injury Incidents by Month**  
The highest number of health care and social assistance incidents occurred in August.

JAN	FEB	MAR
1,676	1,380	1,576
APR	MAY	JUN
1,496	1,710	1,816
JUL	AUG	SEP
1,624	1,828	1,499
OCT	NOV	DEC
1,742	1,545	1,555



**Incidents by Age Group**  
The 20-29 age group had the highest number of injury incidents in all industries.

Age Group	Health Care and Social Assistance	All Industries Total
10-16	1	39
18-19	362	3,771
20-29	5,098	23,447
30-39	4,436	21,427
40-49	3,678	19,946
50-59	3,814	21,033
60-69	1,810	8,733
70-79	221	1,204
80-89	23	124
Unknown	4	19

# 2017 DATA



**Top 10 Injury Incidents by Body Part**  
**Fingers/thumbs were the most injured body part in health care and social assistance.**



Finger(s)/Thumb(s)	3,236
Multiple Body Parts	2,092
Back	2,044
Wrist(s)/Hand(s)	1,855
Knee(s)/Lower Leg(s)	1,462
Upper Arm(s)/Shoulder(s)	1,219
Ankle(s)/Foot/Feet	1,023
Elbow(s)/Lower Arm(s)	921
Body Systems	842
Eye(s)	802



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**Incidents by County**  
**St. Louis County had the most incidents**  
**in health care and social assistance.**



**Top 5 Counties with the Most Incidents**

St. Louis County	4,328	Greene	1,734
St. Louis City	2,358	St. Charles	911
Jackson	2,252		

# 2017 DATA



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# Questions & Answer



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