

**To:** CRCOG Transportation Committee  
**From:** Jennifer Carrier, Director of Transportation Planning  
Jillian Massey, Senior Transportation Planner  
**Date:** September 16, 2016  
**Subject:** UConn Connecticut Crash Data Repository – Crash Dashboard

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As you may recall, the University of Connecticut in partnership with the Connecticut Department of Transportation developed a web-based Connecticut Crash Data Repository (CTCDR) to provide access to crash information collected by state and local police. CTCDR is web based (<http://www.ctcrash.uconn.edu/>) and has been further developed to include a Crash Dashboard.

The new dashboard / interface was developed using a software called Tableau that automatically generates graphs, tables and other visuals from the crash data in the repository. The dashboard provides users with the opportunity to select specific features (i.e. Year, Crash Severity, Road Type) and produce graphics with the data, which could assist in crash analysis and safety planning. The Crash Dashboard is accessible to the public without any log in information (<http://www.ctcrash.uconn.edu/dashboard.html>).

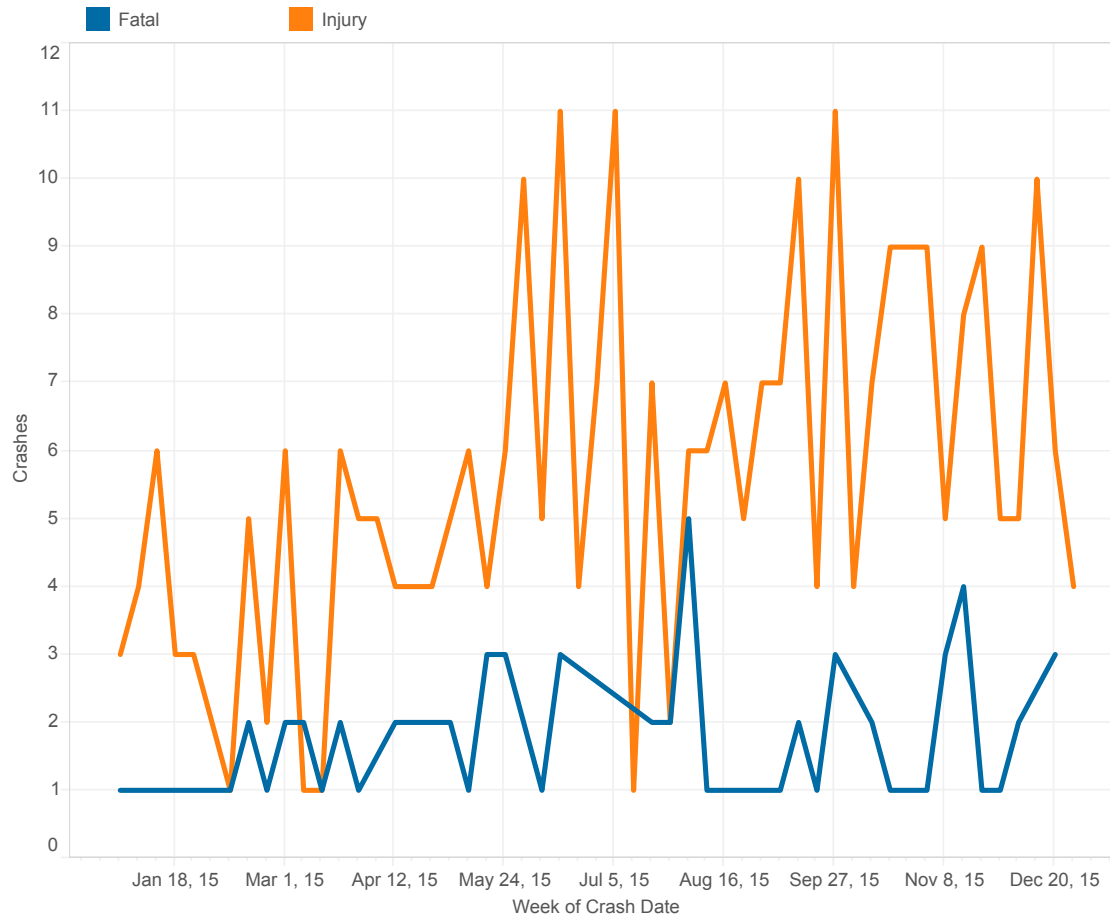
Attached, please find a report that was generated from the Crash Dashboard representing 2015 Fatalities and Serious Injuries for CRCOG towns. From the graphs, tables and visuals in the report it was determined that:

- In 2015, there were 71 fatal injuries and 297 serious injuries in the Capitol Region
- 47.28% of these crashes occurred on Local roads
- The highest number of crashes occurred in the month of September
- 75.82% of the crashes occurred on the roadway (vs. in the median, shoulder, parking lot etc.)
- 45% of the crashes were single vehicle crashes
- 84 crashes were fixed object crashes

For questions on how to use the Crash Dashboard, please feel free contact Jillian Massey at 860-522-2217 ext. 246 or [jmassey@crcog.org](mailto:jmassey@crcog.org)

# Collision Analysis Safety Tables

The story tab above contain tables and figures summarizing the crash data for the State of Connecticut. The tabs are organized topically, first focusing on crash variables, then vehicle variables, personal variables, and ending with dashboards about specific crash types. The data can be filtered by Year, Date of Crash, Crash Severity, COGs, MPOs, Town, Road Name, Intersecting Road Name, Route Class, and Route Number using the drop down menus on the right.



## Queries

**Year**  
2015

**Start Date**  
1/1/2015

**End Date**  
12/31/2015

**Crash Severity**  
Multiple values

**COGs**  
All

**MPOs**  
Capital Region

**Town**  
All

**Route Class**  
All

**Roadway Ownership**  
All

**Road Number**  
All

**Name Of Roadway**  
All

**Intersecting Roadway**  
All

**Start Mile Marker**  
0.01

**End Mile Marker**  
117.35

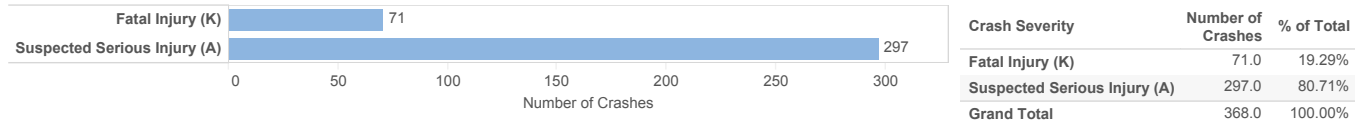
**Queries Selected:** Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

# Collision Analysis Safety Tables - MMUCC

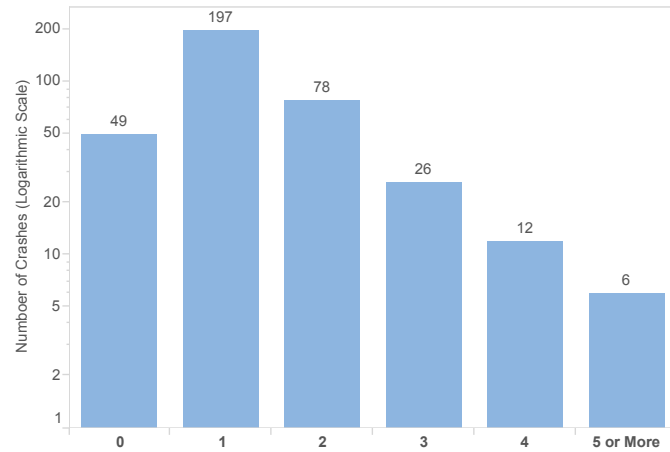
Crash Severity	Geography of Crashes	Time and Date of Crashes	Crash Conditions	Roadway Features 1	Roadway Features 2	Traffic Control ..
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Injury Status of Crashes

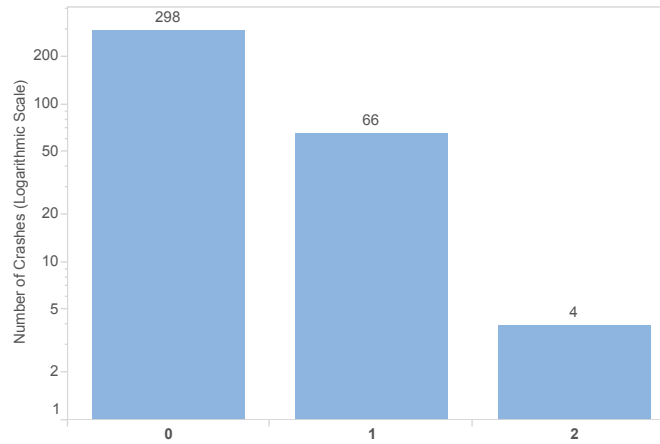


## Injuries per Crash



Injuries per Crash	Number of Crashes	% of Total
0	49.0	13.32%
1	197.0	53.53%
2	78.0	21.20%
3	26.0	7.07%
4	12.0	3.26%
5 or More	6.0	1.63%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

## Fatalities per Crash



Fatalities per Crash	Number of Crashes	% of Total
0	298.0	80.98%
1	66.0	17.93%
2	4.0	1.09%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

These data are exempt from discovery or admission under 23 U.S.C 409. Data Extracted 9/9/2016

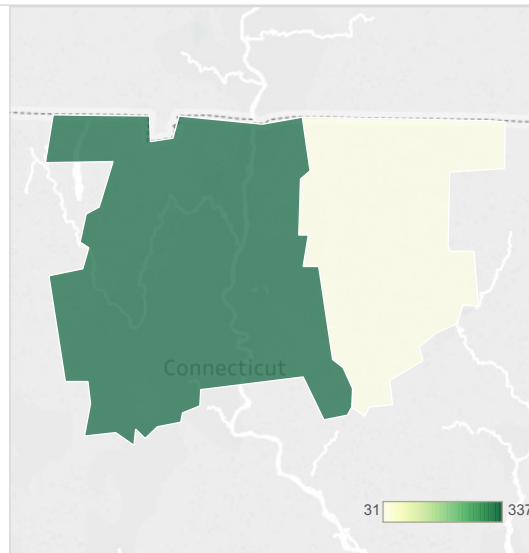
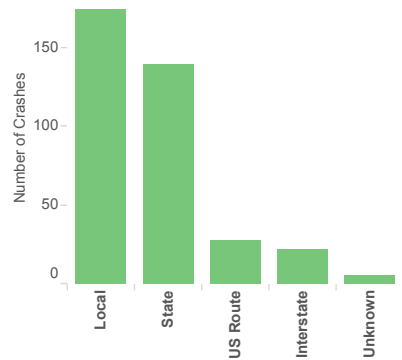


# Collision Analysis Safety Tables - MMUCC

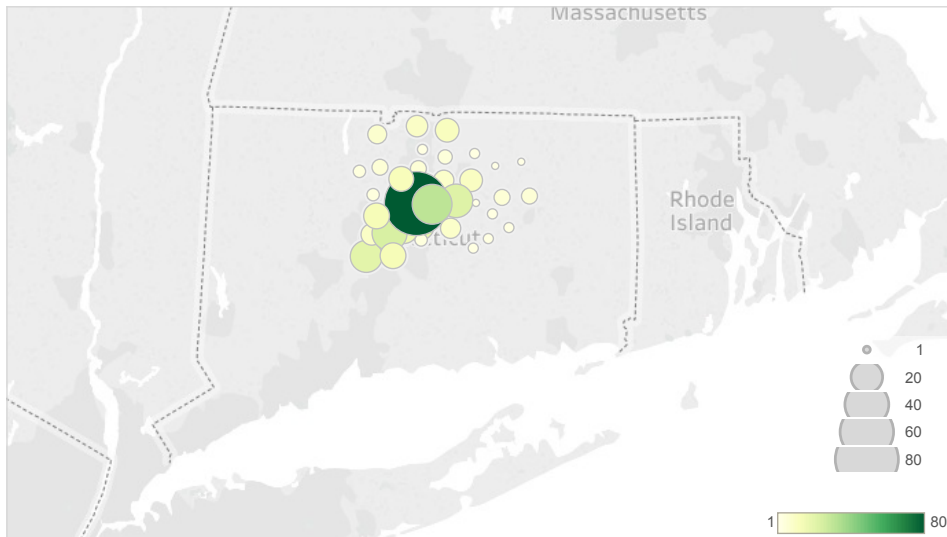
Crash Severity	Geography of Crashes	Time and Date of Crashes	Crash Conditions	Roadway Features 1	Roadway Features 2	Traffic Control ..
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

Route Class	Number of Crashes	% of Total
Unknown	5.0	1.36%
Interstate	22.0	5.98%
US Route	28.0	7.61%
State	139.0	37.77%
Local	174.0	47.28%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>



County	Number of Crashes	% of Total
Hartford	337.0	91.58%
Tolland	31.0	8.42%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>



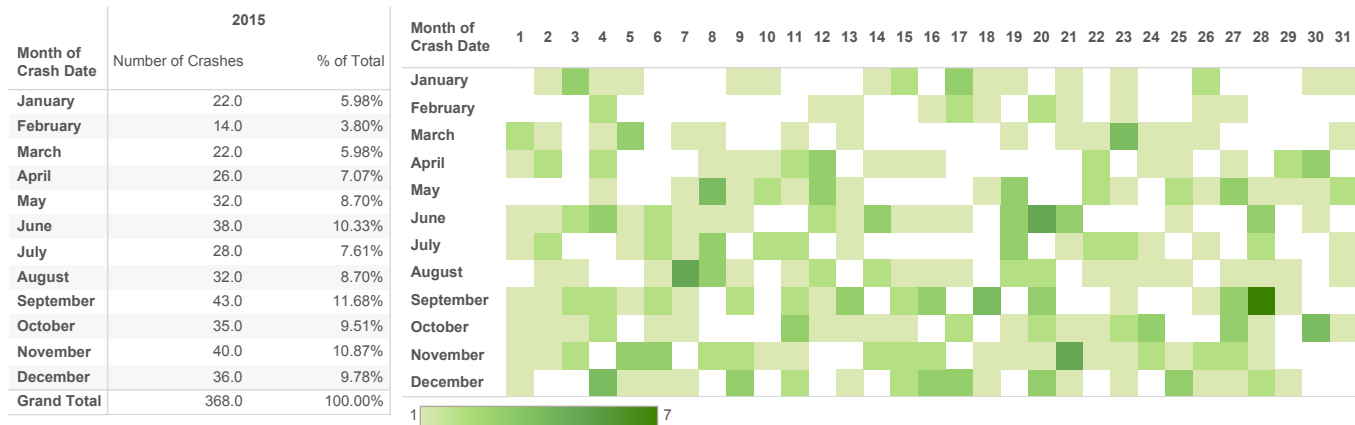
Town	Number of Crashes	% of Total
Andover	2.0	0.54%
Avon	3.0	0.82%
Berlin	13.0	3.53%
Bloomfield	12.0	3.26%
Bolton	1.0	0.27%
Canton	3.0	0.82%
Columbia	2.0	0.54%
Coventry	5.0	1.36%
East Hartford	31.0	8.42%
East Windsor	4.0	1.09%
Ellington	2.0	0.54%
Enfield	11.0	2.99%
Farmington	13.0	3.53%
Glastonbury	8.0	2.17%
Granby	7.0	1.90%
Hartford	80.0	21.74%
Hebron	2.0	0.54%
Manchester	22.0	5.98%
Mansfield	5.0	1.36%
Marlborough	2.0	0.54%

# Collision Analysis Safety Tables - MMUCC

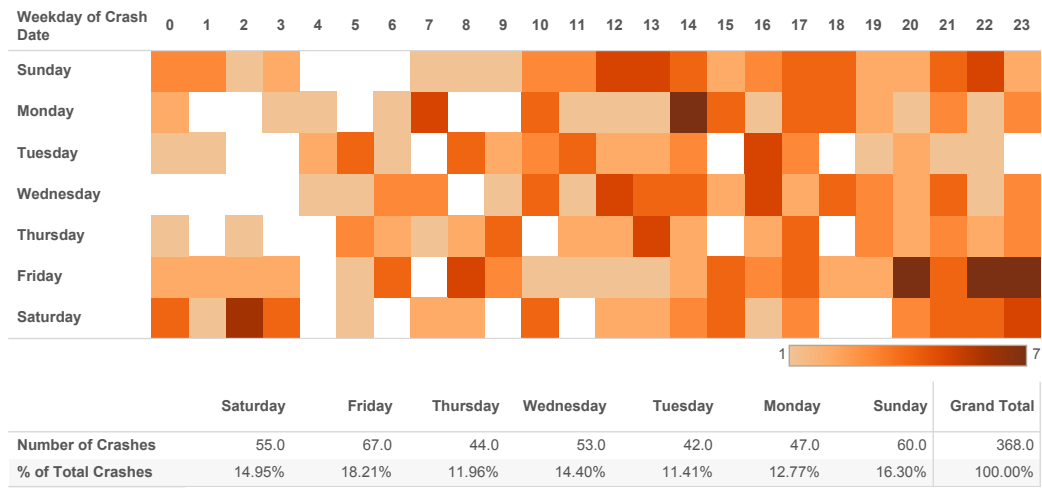
Crash Severity	Geography of Crashes	Time and Date of Crashes	Crash Conditions	Roadway Features 1	Roadway Features 2	Traffic Control ..
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Month and Date of Crashes



## Time and Day of the Week



Hour of Crash Time	Number of Crashes	% of Total
0	13.0	3.53%
1	7.0	1.90%
2	10.0	2.72%
3	9.0	2.45%
4	4.0	1.09%
5	10.0	2.72%
6	11.0	2.99%
7	12.0	3.26%
8	14.0	3.80%
9	11.0	2.99%
10	19.0	5.16%
11	12.0	3.26%
12	18.0	4.89%
13	20.0	5.43%
14	25.0	6.79%
15	16.0	4.35%
16	20.0	5.43%
17	24.0	6.52%
18	14.0	3.80%
19	13.0	3.53%
20	19.0	5.16%
21	23.0	6.25%
22	21.0	5.71%
23	23.0	6.25%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

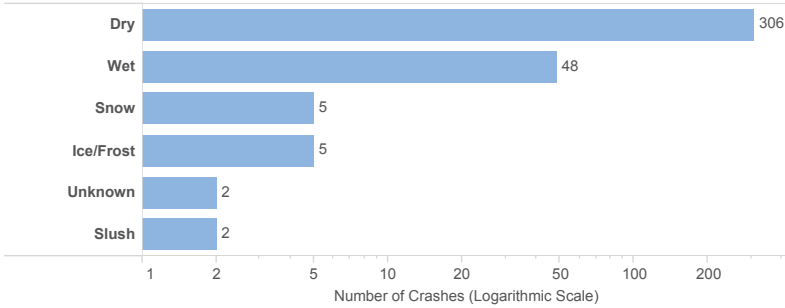
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# Collision Analysis Safety Tables - MMUCC

Crash Severity	Geography of Crashes	Time and Date of Crashes	Crash Conditions	Roadway Features 1	Roadway Features 2	Traffic Control Devices
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

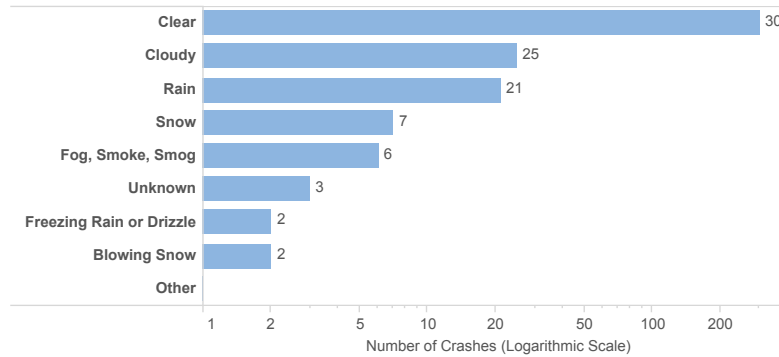
## Traffic Surface Conditions



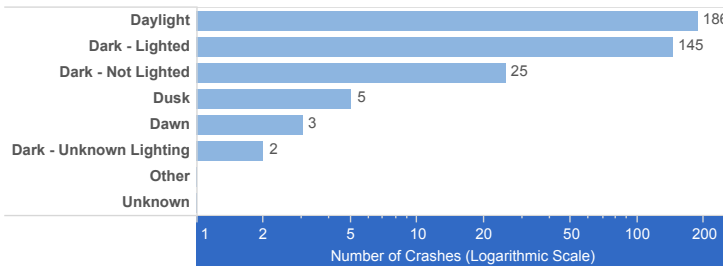
Traffic Surface Conditions	2015	
	Number of Crashes	% of Total
Dry	306.0	83.15%
Wet	48.0	13.04%
Snow	5.0	1.36%
Ice/Frost	5.0	1.36%
Unknown	2.0	0.54%
Slush	2.0	0.54%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

## Weather Conditions

Weather Conditions	2015	
	Number of Crashes	% of Total
Clear	301.0	81.79%
Cloudy	25.0	6.79%
Rain	21.0	5.71%
Snow	7.0	1.90%
Fog, Smoke, Smog	6.0	1.63%
Unknown	3.0	0.82%
Freezing Rain or Drizzle	2.0	0.54%
Blowing Snow	2.0	0.54%
Other	1.0	0.27%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>



## Light Conditions



Light Conditions	2015	
	Number of Crashes	% of Total
Daylight	186.0	50.54%
Dark - Lighted	145.0	39.40%
Dark - Not Lighted	25.0	6.79%
Dusk	5.0	1.36%
Dawn	3.0	0.82%
Dark - Unknown Lighting	2.0	0.54%
Other	1.0	0.27%
Unknown	1.0	0.27%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

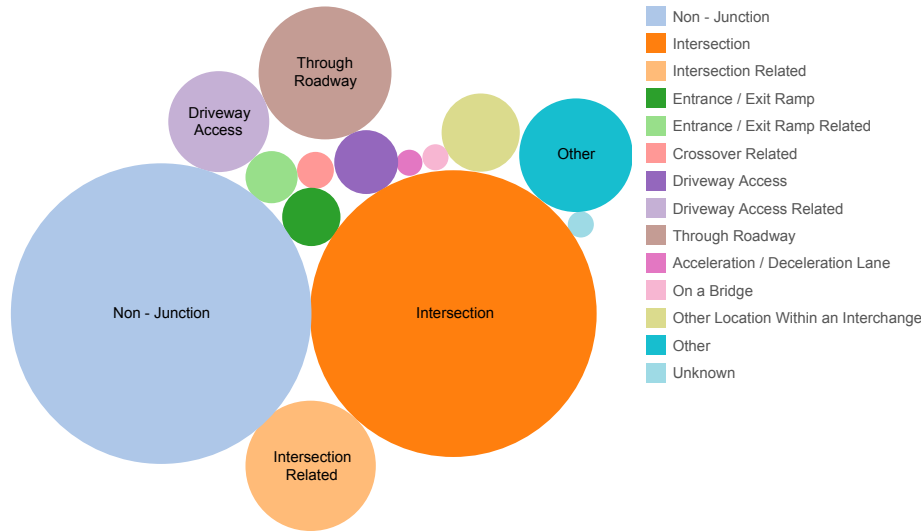
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# Collision Analysis Safety Tables - MMUCC

Geography of Crashes	Time and Date of Crashes	Crash Conditions	Roadway Features 1	Roadway Features 2	Traffic Control Devices	Contributing Factors
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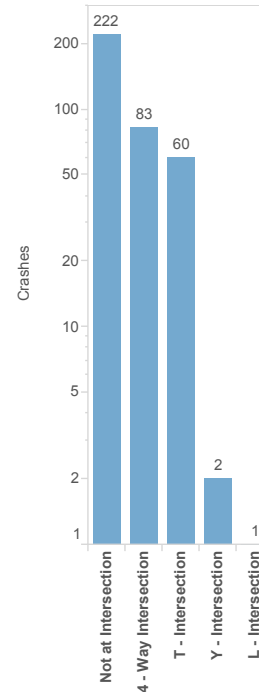
Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Crash Specific Location



Crash Specific Location	Number of Crashes	% of Total
Non - Junction	133.0	36.14%
Intersection	121.0	32.88%
Intersection Related	25.0	6.79%
Entrance / Exit Ramp	5.0	1.36%
Entrance / Exit Ramp Related	4.0	1.09%
Crossover Related	2.0	0.54%
Driveway Access	6.0	1.63%
Driveway Access Related	15.0	4.08%
Through Roadway	26.0	7.07%
Acceleration / Deceleration Lane	1.0	0.27%
On a Bridge	1.0	0.27%
Other Location Within an Interchange	9.0	2.45%
Other	19.0	5.16%
Unknown	1.0	0.27%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

## Type of Intersections



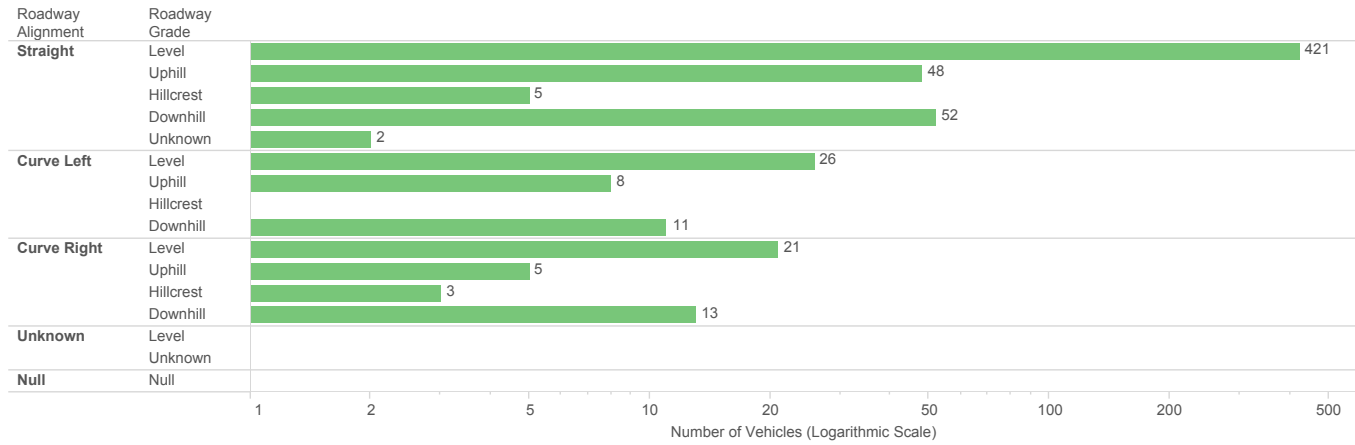
Type Of Intersection	Number of Crashes	% of Total
Not at Intersection	222.0	60.33%
4 - Way Intersection	83.0	22.55%
T - Intersection	60.0	16.30%
Y - Intersection	2.0	0.54%
L - Intersection	1.0	0.27%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

# Collision Analysis Safety Tables - MMUCC

Time and Date of Cra..	Crash Conditions	Roadway Features 1	Roadway Features 2	Traffic Control Devices	Contributing Factors	Contributing Factors-Vehic..
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Roadway Alignment and Grade



Roadway Grade	Count of Vehicles	% of Total Vehicles
Null	0.0	0.00%
Level	469.0	76.01%
Uphill	61.0	9.89%
Hillcrest	9.0	1.46%
Downhill	76.0	12.32%
Unknown	2.0	0.32%
<b>Grand Total</b>	<b>617.0</b>	<b>100.00%</b>

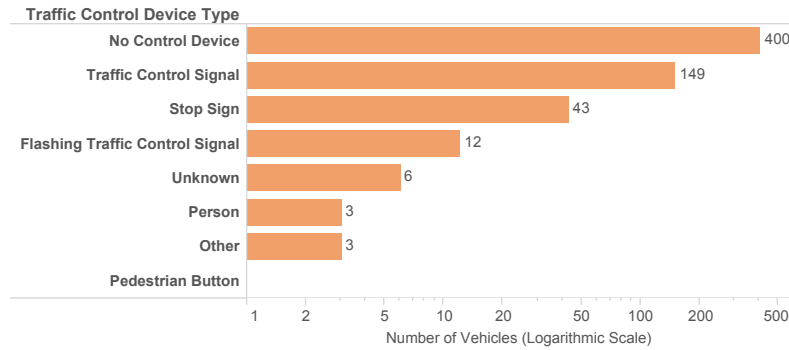
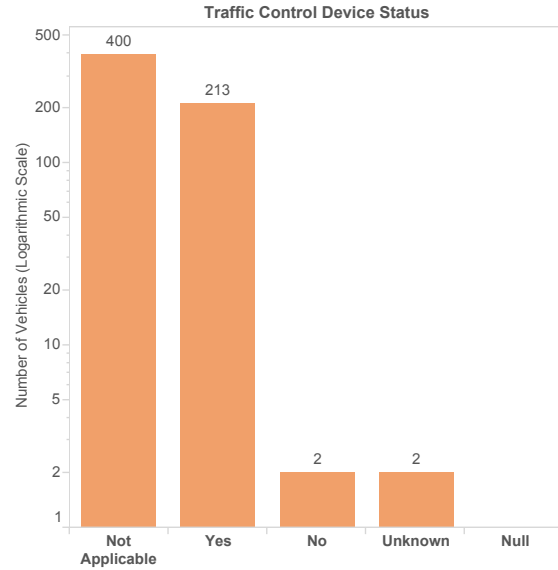
Roadway Alignment	Count of Vehicles	% of Total Vehicles
Null	0.0	0.00%
<b>Straight</b>	<b>528.0</b>	<b>85.58%</b>
<b>Curve Left</b>	<b>46.0</b>	<b>7.46%</b>
<b>Curve Right</b>	<b>42.0</b>	<b>6.81%</b>
Unknown	1.0	0.16%
<b>Grand Total</b>	<b>617.0</b>	<b>100.00%</b>



# Collision Analysis Safety Tables - MMUCC

Crash Conditions	Roadway Features 1	Roadway Features 2	Traffic Control Devices	Contributing Factors	Contributing Factors-Vehicle	Crash Manner and Location
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35



Traffic Control Device Type	Unknown		No		Yes		Not Applicable	
	Count of Vehicles	% of Total Vehicles	Count of Vehicles	% of Total Vehicles	Count of Vehicles	% of Total Vehicles	Count of Vehicles	% of Total Vehicles
Unknown	2.0	100.00%			4.0	1.88%		
No Control Device					0.0	0.00%	400.0	100.00%
Person					3.0	1.41%		
Traffic Control Signal			1.0	50.00%	148.0	69.48%		
Flashing Traffic Control Signal					12.0	5.63%		
Stop Sign					43.0	20.19%		
Pedestrian Button					1.0	0.47%		
Other			1.0	50.00%	2.0	0.94%		
<b>Grand Total</b>	2.0	100.00%	2.0	100.00%	213.0	100.00%	400.0	100.00%

# Collision Analysis Safety Tables - MMUCC

Roadway Features 1	Roadway Features 2	Traffic Control Devices	Contributing Factors	Contributing Factors-Vehicle	Crash Manner and Location	First Harmful Event 1
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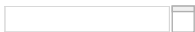
Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

Contributing Circumstances Road	Contributing Circumstances Environment						
	None	Weather Conditions	Visual Obstruction(s)	Glare	Animal(s) in Roadway	Other	Unknown
None	294	5	3	3	2	3	5
Backup - Prior Crash	1	1					
Backup - Prior Incident		1					
Backup - Regular Congestion	4	1		1		1	
Road Surface Condition	6	14	1			1	1
Work Zone	1						
Obstruction in Roadway	1						
Non-Highway Work	2						
Other	5			1		3	
Unknown	2					1	4



Contributing Circumstances Road	Number of Crashes	% of Total
None	315.0	85.60%
Backup - Prior Crash	2.0	0.54%
Backup - Prior Incident	1.0	0.27%
Backup - Regular Congestion	7.0	1.90%
Road Surface Condition	23.0	6.25%
Work Zone	1.0	0.27%
Obstruction in Roadway	1.0	0.27%
Non-Highway Work	2.0	0.54%
Other	9.0	2.45%
Unknown	7.0	1.90%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

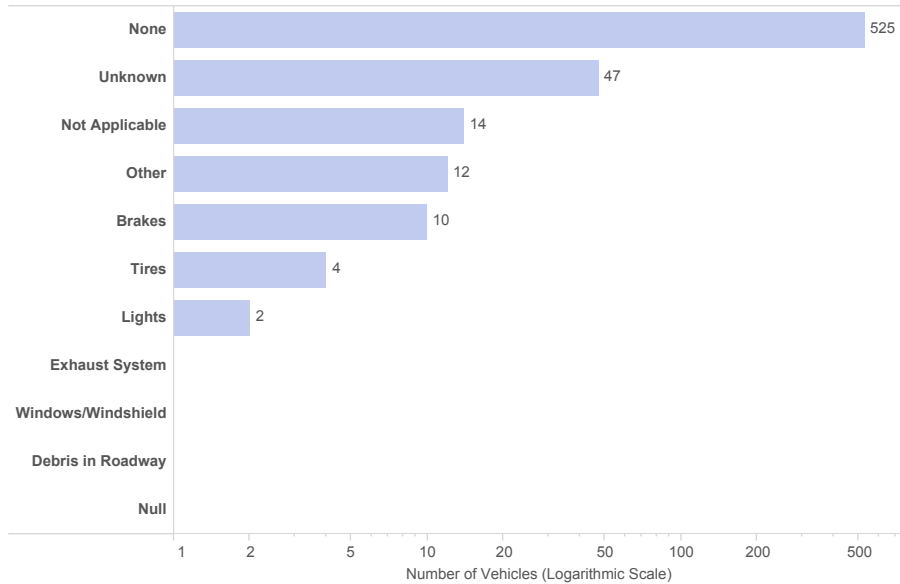
Contributing Circumstances Environment	Number of Crashes	% of Total
None	316.0	85.87%
Weather Conditions	22.0	5.98%
Visual Obstruction(s)	4.0	1.09%
Glare	5.0	1.36%
Animal(s) in Roadway	2.0	0.54%
Other	9.0	2.45%
Unknown	10.0	2.72%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>



# Collision Analysis Safety Tables - MMUCC

Roadway Features 2	Traffic Control Devices	Contributing Factors	<b>Contributing Factors-Vehicle</b>	Crash Manner and Location	First Harmful Event 1	First Harmful Event 2
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35



Contributing Circumstances	Count of Vehicles	% of Total Vehicles
None	525.0	85.09%
Unknown	47.0	7.62%
Not Applicable	14.0	2.27%
Other	12.0	1.94%
Brakes	10.0	1.62%
Tires	4.0	0.65%
Lights	2.0	0.32%
Exhaust System	1.0	0.16%
Windows/Windshield	1.0	0.16%
Debris in Roadway	1.0	0.16%
Null	0.0	0.00%
<b>Grand Total</b>	<b>617.0</b>	<b>100.00%</b>

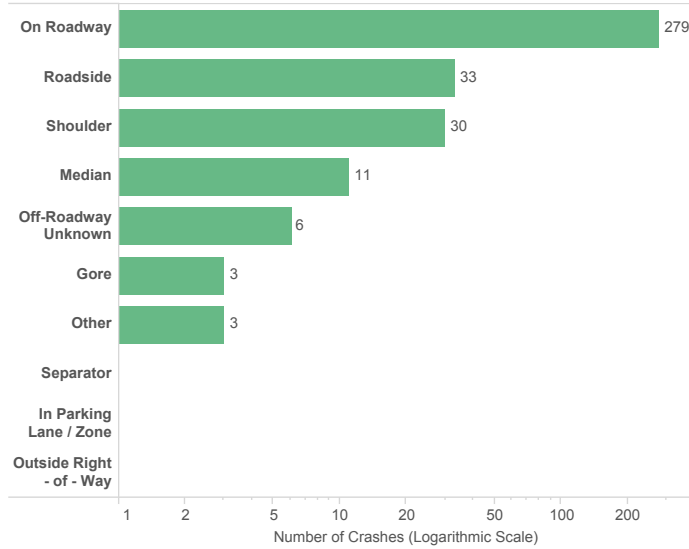


# Collision Analysis Safety Tables - MMUCC

Traffic Control Dev..	Contributing Factors	Contributing Factors-Vehicle	Crash Manner and Location	First Harmful Event 1	First Harmful Event 2	Vehicle Crash Events
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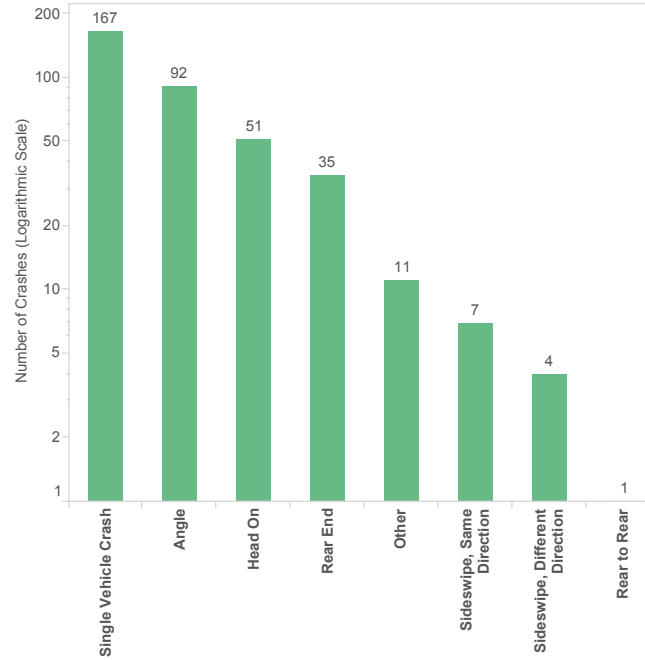
Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

Location of 1st Harmful Event



Location Of First Harmful Event	Number of Crashes	% of Total
On Roadway	279.0	75.82%
Shoulder	30.0	8.15%
Median	11.0	2.99%
Roadside	33.0	8.97%
Gore	3.0	0.82%
Separator	1.0	0.27%
In Parking Lane / Zone	1.0	0.27%
Off-Roadway Unknown	6.0	1.63%
Outside Right - of - Way	1.0	0.27%
Other	3.0	0.82%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

Manner of Crashes



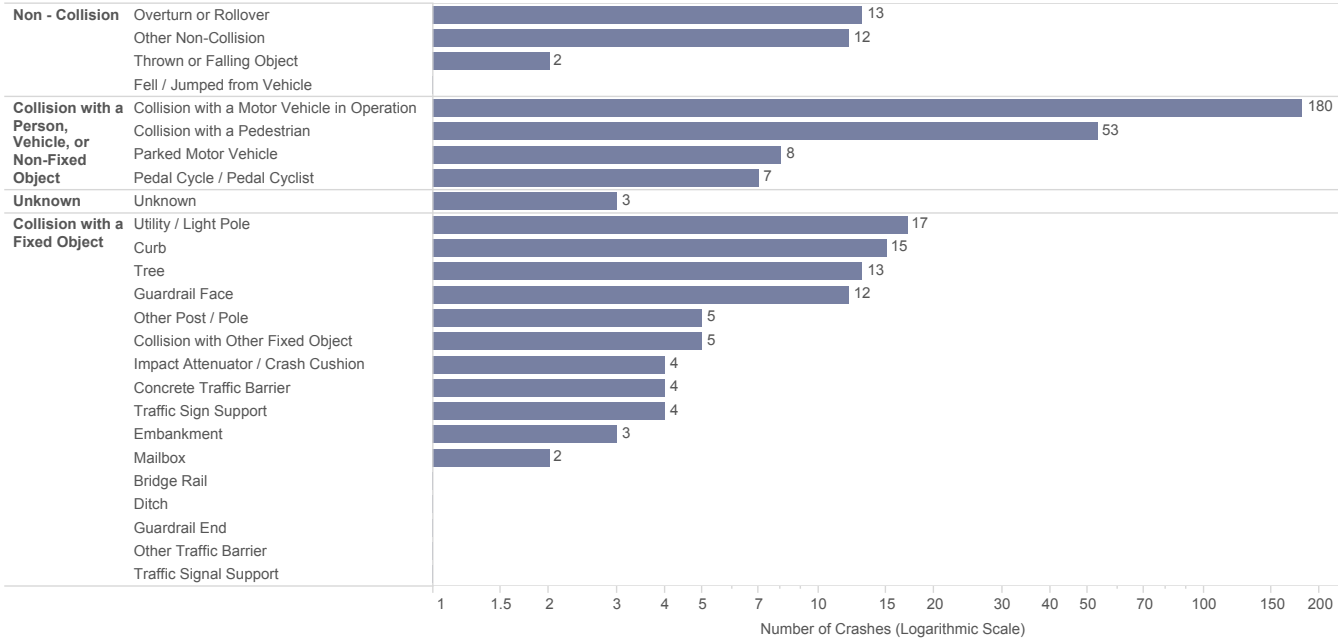
Manner Of Crash	Number of Crashes	% of Total
Rear End	35.0	9.51%
Head On	51.0	13.86%
Angle	92.0	25.00%
Sideswipe, Same Direction	7.0	1.90%
Sideswipe, Different Direction	4.0	1.09%
Rear to Rear	1.0	0.27%
Single Vehicle Crash	167.0	45.38%
Other	11.0	2.99%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

# Collision Analysis Safety Tables - MMUCC

Contributing Factors	Contributing Factors-Vehicle	Crash Manner and Location	First Harmful Event 1	First Harmful Event 2	Vehicle Crash Events	Vehicle Statistics
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## First Harmful Event for the Crash



# Collision Analysis Safety Tables - MMUCC

Contributing Factors-Veh..	Crash Manner and Location	First Harmful Event 1	First Harmful Event 2	Vehicle Crash Events	Vehicle Statistics	Vehicle Actions
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

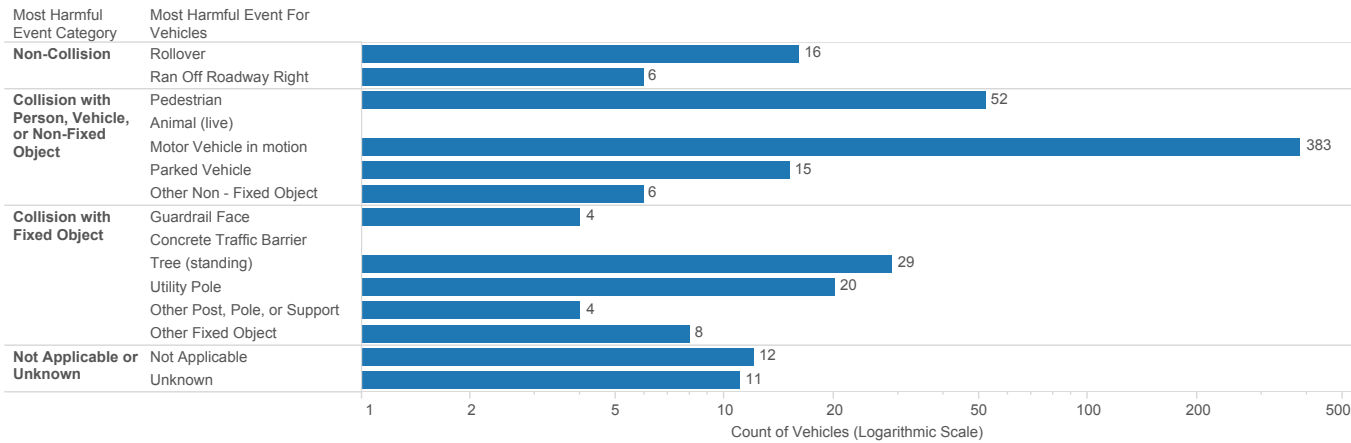
Event Categories	First Harmful Event	On Roadway	Shoulder	Median	Roadside	Gore	Separat..	In Parking Lane / Zone	Off-Roadway Unknown	Outside Right - of - Way	Other	Grand Total	
<b>Non - Collision</b>	Overturn or Rollover	10	2		1							13	
	Fell / Jumped from Vehicle	1										1	
	Thrown or Falling Object		1				1					2	
	Other Non-Collision	11	1									12	
	<b>Total</b>	22	4		1	1							28
<b>Collision with a Person, Vehicle, or Non-Fixed..</b>	Collision with a Pedestrian	49			1				1		2	53	
	Pedal Cycle / Pedal Cyclist	6	1									7	
	Collision with a Motor Vehicle in Operation	180										180	
	Parked Motor Vehicle	4	2		1			1				8	
	<b>Total</b>	239	3		2			1	1		2		248
<b>Unknown</b>	Unknown	1		1	1							3	
	<b>Total</b>	1		1	1							3	
<b>Collision with a Fixed Object</b>	Impact Attenuator / Crash Cushion		1	2			1					4	
	Bridge Rail				1							1	
	Curb	6	4	1	4							15	
	Ditch	1										1	
	Embankment		1	1	1							3	
	Guardrail Face	2	2	1	6				1			12	
	Guardrail End		1									1	
	Concrete Traffic Barrier		1	1			1				1	4	
	Other Traffic Barrier			1								1	
	Tree	1	4	2	5				1			13	
	Utility / Light Pole	4	6		6				1			17	
	Traffic Sign Support	1		1			1				1	4	
	Traffic Signal Support								1			1	
	Mailbox				2								2
	Other Post / Pole	1	2		2								5
	Collision with Other Fixed Object	1	1		2				1				5
	<b>Total</b>	17	23	10	29	2	1		5	1	1	1	89
<b>Grand Total</b>		279	30	11	33	3	1	1	6	1	3	368	

# Collision Analysis Safety Tables - MMUCC

Crash Manner and..	First Harmful Event 1	First Harmful Event 2	Vehicle Crash Events	Vehicle Statistics	Vehicle Actions	Demographics
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## 15 Most Common Harmful Events for Vehicles



## Harmful Events - Full List

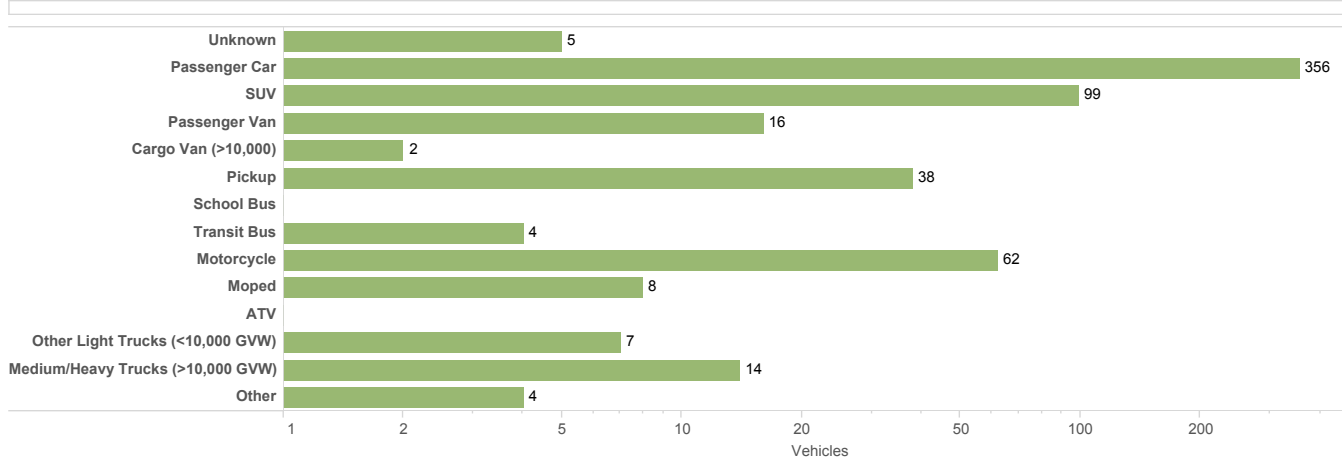
Most Harmful Event For Vehicles	Count of Vehicles	% of Total Vehicles	1st Event for Vehicles	Count of Vehicles	% of Total Vehicles	2nd Event for Vehicles	Count of Vehicles	% of Total Vehicles
Null	2.0	0.32%	Null	0.0	0.00%	Null	15.0	2.43%
Rollover	16.0	2.59%	Rollover	7.0	1.13%	Rollover	8.0	1.30%
Ran Off Roadway Right	6.0	0.97%	Ran Off Roadway Right	22.0	3.57%	Fire / Explosion	1.0	0.16%
Ran Off Roadway Left	1.0	0.16%	Ran Off Roadway Left	11.0	1.78%	Ran Off Roadway Right	10.0	1.62%
Cross Median	1.0	0.16%	Cross Median	1.0	0.16%	Ran Off Roadway Left	6.0	0.97%
Cross Centerline	6.0	0.97%	Cross Centerline	19.0	3.08%	Cross Median	1.0	0.16%
Fell / Jumped from Vehicle	2.0	0.32%	Fell/Jumped from Vehicle	2.0	0.32%	Cross Centerline	3.0	0.49%
Reentering Roadway	1.0	0.16%	Reentering Roadway	1.0	0.16%	Fell / Jumped from Vehicle	1.0	0.16%
Other Non-Collision	10.0	1.62%	Other Non-Collision	11.0	1.78%	Pedestrian	8.0	1.30%
Pedestrian	52.0	8.43%	Pedestrian	46.0	7.46%	Pedalcycle / Pedalcyclist	1.0	0.16%
Pedalcycle / Pedalcyclist	7.0	1.13%	Pedalcycle / Pedalcyclist	7.0	1.13%	Motor Vehicle in Motion	32.0	5.19%
Animal (live)	1.0	0.16%	Animal (live)	1.0	0.16%	Parked Vehicle	7.0	1.13%
Motor Vehicle in motion	383.0	62.07%	Motor Vehicle in Motion	385.0	62.40%	Other Non - Fixed Object	3.0	0.49%
Parked Vehicle	15.0	2.43%	Parked Vehicle	12.0	1.94%	Impact Attenuator / Crash ..	1.0	0.16%
Struck by Falling or Shifting Car..	2.0	0.32%	Struck by Falling, Shifting Car..	2.0	0.32%	Bridge Rail	1.0	0.16%
Other Non - Fixed Object	6.0	0.97%	Other Non-Fixed Object	6.0	0.97%	Cable Barrier	3.0	0.49%
Impact Attenuator / Crash Cushion	2.0	0.32%	Impact Attenuator / Crash Cus..	1.0	0.16%	Curb	31.0	5.02%

These data are exempt from discovery or admission under 23 U.S.C 409. Data Extracted 9/9/2016

# Collision Analysis Safety Tables - MMUCC

First Harmful Event 1	First Harmful Event 2	Vehicle Crash Events	<b>Vehicle Statistics</b>	Vehicle Actions	Demographics	Condition at Time of Crash
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35



Vehicle Type	Count of Vehicles	% of Total Vehicles
Passenger Car	356.0	57.70%
Passenger Van	16.0	2.59%
School Bus	1.0	0.16%
Motorcycle	62.0	10.05%
Moped	8.0	1.30%
ATV	1.0	0.16%
Other Light Trucks (<10,000 GVW)	7.0	1.13%
Medium/Heavy Trucks (>10,000 GVW)	14.0	2.27%
Other	4.0	0.65%
Unknown	5.0	0.81%
SUV	99.0	16.05%
Cargo Van (>10,000)	2.0	0.32%
Pickup	38.0	6.16%
Transit Bus	4.0	0.65%
<b>Grand Total</b>	<b>617.0</b>	<b>100.00%</b>

These data are exempt from discovery or admission under 23 U.S.C 409. Data Extracted 9/9/2016



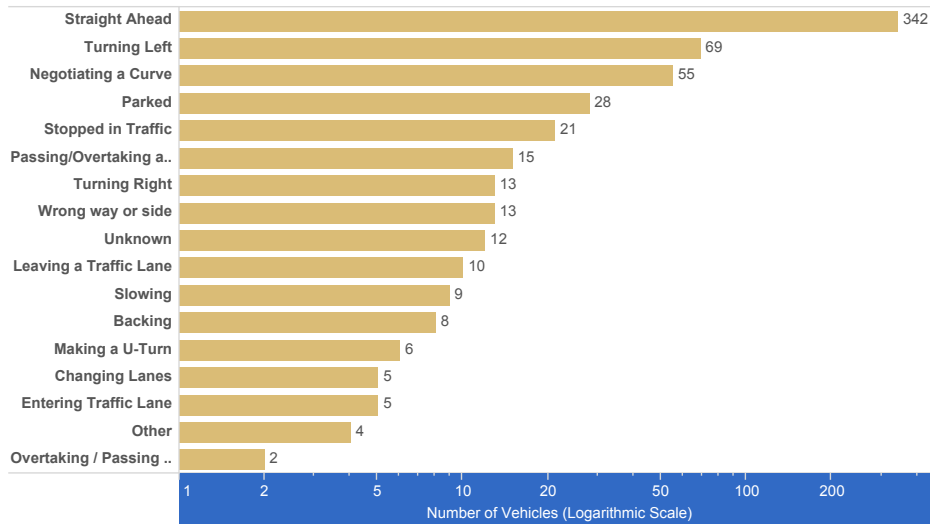


# Collision Analysis Safety Tables - MMUCC

First Harmful Event 2	Vehicle Crash Events	Vehicle Statistics	Vehicle Actions	Demographics	Condition at Time of Crash	Safety Systems Use..
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

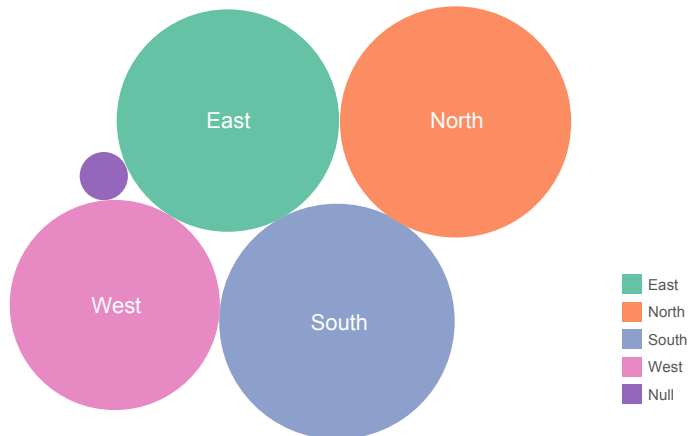
## Vehicle Action



Vehicle Action	Count of Vehicles	% of Total Vehicles
Straight Ahead	342.0	55.43%
Turning Left	69.0	11.18%
Negotiating a Curve	55.0	8.91%
Parked	28.0	4.54%
Stopped in Traffic	21.0	3.40%
Passing/Overtaking a Vehicle	15.0	2.43%
Turning Right	13.0	2.11%
Wrong way or side	13.0	2.11%
Unknown	12.0	1.94%
Leaving a Traffic Lane	10.0	1.62%
Slowing	9.0	1.46%
Backing	8.0	1.30%
Making a U-Turn	6.0	0.97%
Changing Lanes	5.0	0.81%
Entering Traffic Lane	5.0	0.81%
Other	4.0	0.65%
Overtaking / Passing a Cycli..	2.0	0.32%
Grand Total	617.0	100.00%

## Direction of Travel

Direction Of Travel Before Crash	Count of Vehicles	% of Total Vehicles
East	149.0	24.15%
North	161.0	26.09%
South	167.0	27.07%
West	133.0	21.56%
Null	7.0	1.13%
Grand Total	617.0	100.00%

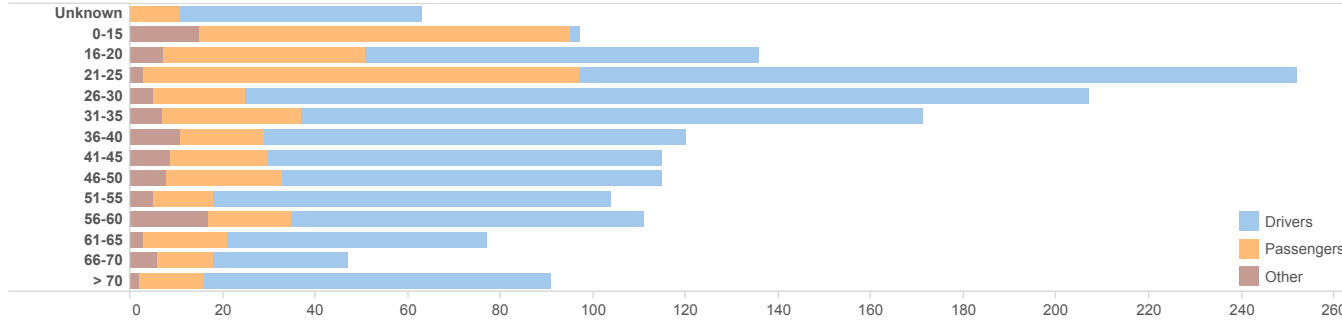


# Collision Analysis Safety Tables - MMUCC

Vehicle Crash Even..	Vehicle Statistics	Vehicle Actions	Demographics	Condition at Time of Crash	Safety Systems Used 1	Safety System Used 2
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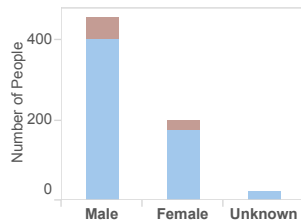
Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Age by Person Type



Age	Drivers		Passengers		Other		Grand Total	
	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count
Unknown	25.0	4.17%	5.0	2.40%	14.0	18.18%	30.0	3.39%
0-15	1.0	0.17%	42.0	20.19%	5.0	6.49%	57.0	6.45%
16-20	44.0	7.35%	26.0	12.50%	5.0	6.49%	75.0	8.48%
21-25	83.0	13.86%	47.0	22.60%	3.0	3.90%	133.0	15.05%
26-30	88.0	14.69%	12.0	5.77%	2.0	2.60%	102.0	11.54%
31-35	60.0	10.02%	15.0	7.21%	7.0	9.09%	82.0	9.28%
36-40	47.0	7.85%	6.0	2.88%	4.0	5.19%	57.0	6.45%
41-45	44.0	7.35%	11.0	5.29%	8.0	10.39%	63.0	7.13%
46-50	41.0	6.84%	10.0	4.81%	6.0	7.79%	57.0	6.45%
51-55	48.0	8.01%	6.0	2.88%	5.0	6.49%	59.0	6.67%
56-60	38.0	6.34%	8.0	3.85%	14.0	18.18%	60.0	6.79%
61-65	29.0	4.84%	8.0	3.85%	3.0	3.90%	40.0	4.52%
66-70	14.0	2.34%	4.0	1.92%	4.0	5.19%	22.0	2.49%
> 70	37.0	6.18%	8.0	3.85%	2.0	2.60%	47.0	5.32%
<b>Grand Total</b>	<b>599.0</b>	<b>100.00%</b>	<b>208.0</b>	<b>100.00%</b>	<b>77.0</b>	<b>100.00%</b>	<b>884.0</b>	<b>100.00%</b>

## Gender by Person Type



Gender (group)	Drivers		Other		Grand Total	
	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count
Female	176.0	29.38%	22.0	28.57%	198.0	29.29%
Male	401.0	66.94%	55.0	71.43%	456.0	67.46%
Unknown	22.0	3.67%	0.0	0.00%	22.0	3.25%
<b>Grand Total</b>	<b>599.0</b>	<b>100.00%</b>	<b>77.0</b>	<b>100.00%</b>	<b>676.0</b>	<b>100.00%</b>

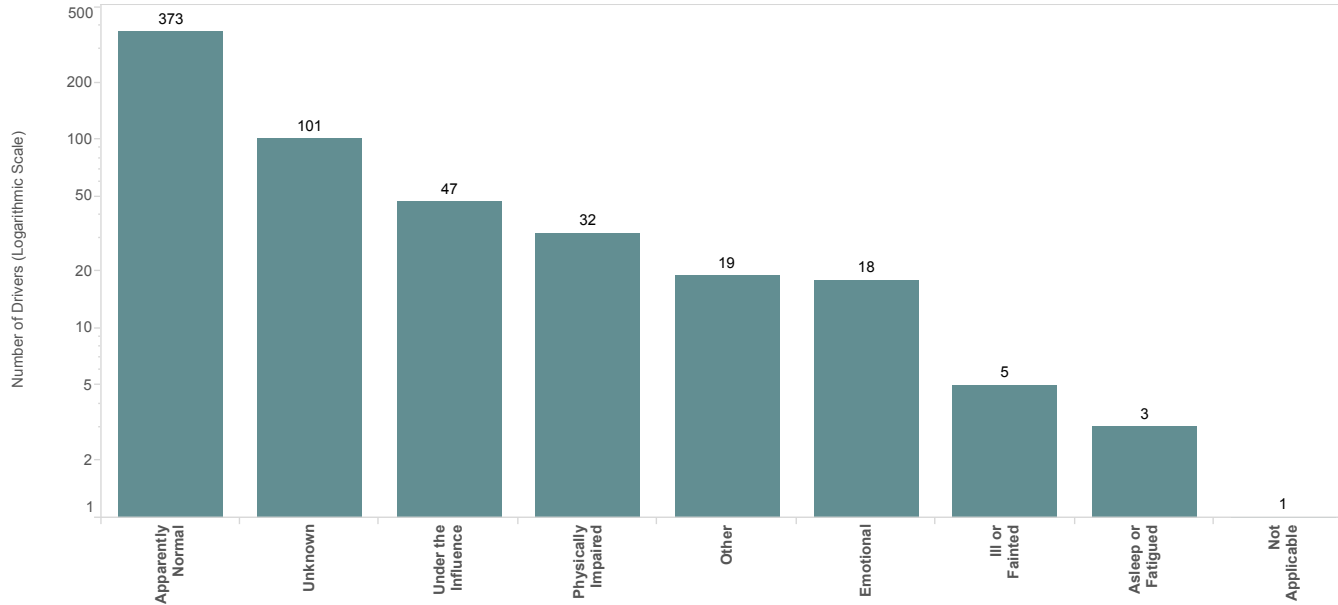
These data are exempt from discovery or admission under 23 U.S.C 409. Data Extracted 9/9/2016

# Collision Analysis Safety Tables - MMUCC

Vehicle Statistics	Vehicle Actions	Demographics	Condition at Time of Crash	Safety Systems Used 1	Safety System Used 2	Ejection Status and Injuries
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Condition at the Time of the Crash



Condition at time of Crash	Drivers		Other		Grand Total	
	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count
Null			2.0	2.60%	2.0	0.30%
Apparently Normal	373.0	62.27%	48.0	62.34%	421.0	62.28%
Physically Impaired	32.0	5.34%	4.0	5.19%	36.0	5.33%
Emotional	18.0	3.01%	1.0	1.30%	19.0	2.81%
Ill or Fainted	5.0	0.83%			5.0	0.74%
Asleep or Fatigued	3.0	0.50%			3.0	0.44%
Under the Influence	47.0	7.85%	7.0	9.09%	54.0	7.99%
Not Applicable	1.0	0.17%			1.0	0.15%
Other	19.0	3.17%	6.0	7.79%	25.0	3.70%
Unknown	101.0	16.86%	9.0	11.69%	110.0	16.27%
<b>Grand Total</b>	<b>599.0</b>	<b>100.00%</b>	<b>77.0</b>	<b>100.00%</b>	<b>676.0</b>	<b>100.00%</b>

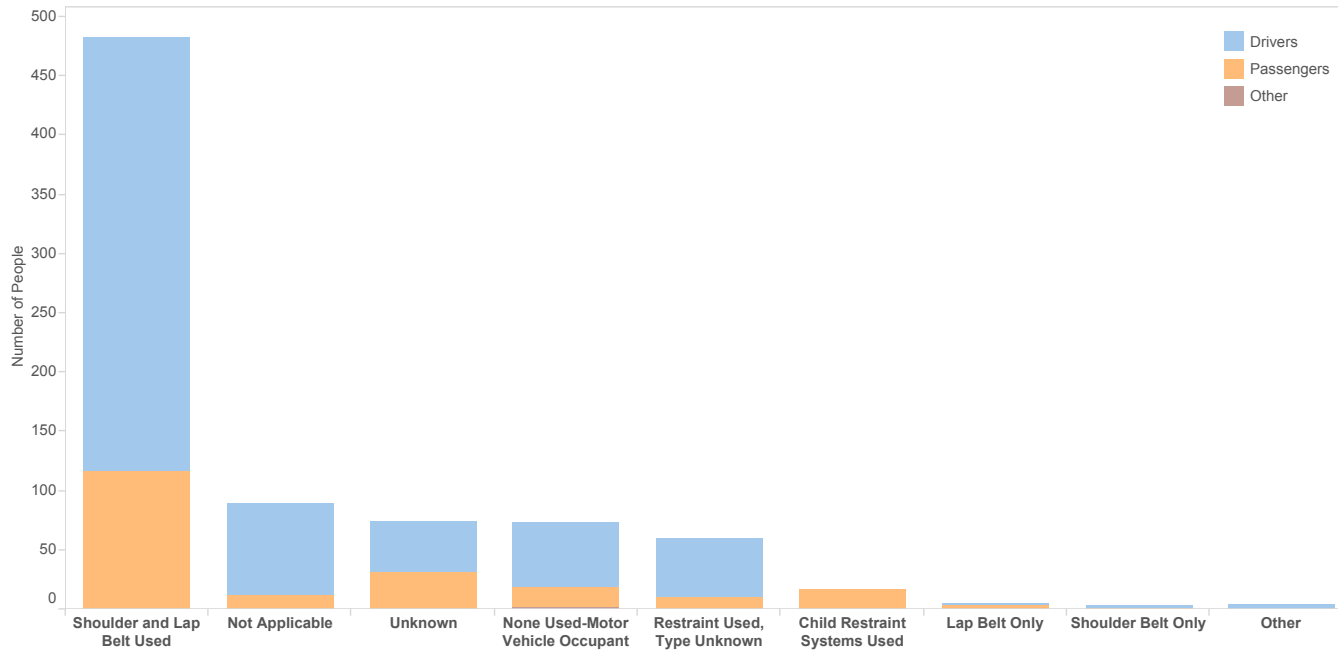
These data are exempt from discovery or admission under 23 U.S.C 409. Data Extracted 9/9/2016

# Collision Analysis Safety Tables - MMUCC

Vehicle Actions	Demographics	Condition at Time of Crash	Safety Systems Used 1	Safety System Used 2	Ejection Status and Injuries	Driver Actions
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Restraint Systems Used



Restraint System Used	Drivers		Passengers		Other		Grand Total	
	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count
Shoulder and Lap Belt Used	366.0	61.10%	117.0	56.52%	2.0	100.00%	483.0	59.78%
None Used-Motor Vehicle Occupant	54.0	9.02%	17.0	8.21%	2.0	100.00%	73.0	9.03%
Lap Belt Only	2.0	0.33%	3.0	1.45%			5.0	0.62%
Shoulder Belt Only	3.0	0.50%	1.0	0.48%			4.0	0.50%
Unknown	43.0	7.18%	31.0	14.98%			74.0	9.16%
Restraint Used, Type Unknown	50.0	8.35%	10.0	4.83%			60.0	7.43%
Child Restraint Systems Used			16.0	7.73%			16.0	1.98%
Not Applicable	77.0	12.85%	12.0	5.80%			89.0	11.01%
Other	4.0	0.67%					4.0	0.50%
<b>Grand Total</b>	<b>599.0</b>	<b>100.00%</b>	<b>207.0</b>	<b>100.00%</b>	<b>2.0</b>	<b>100.00%</b>	<b>808.0</b>	<b>100.00%</b>

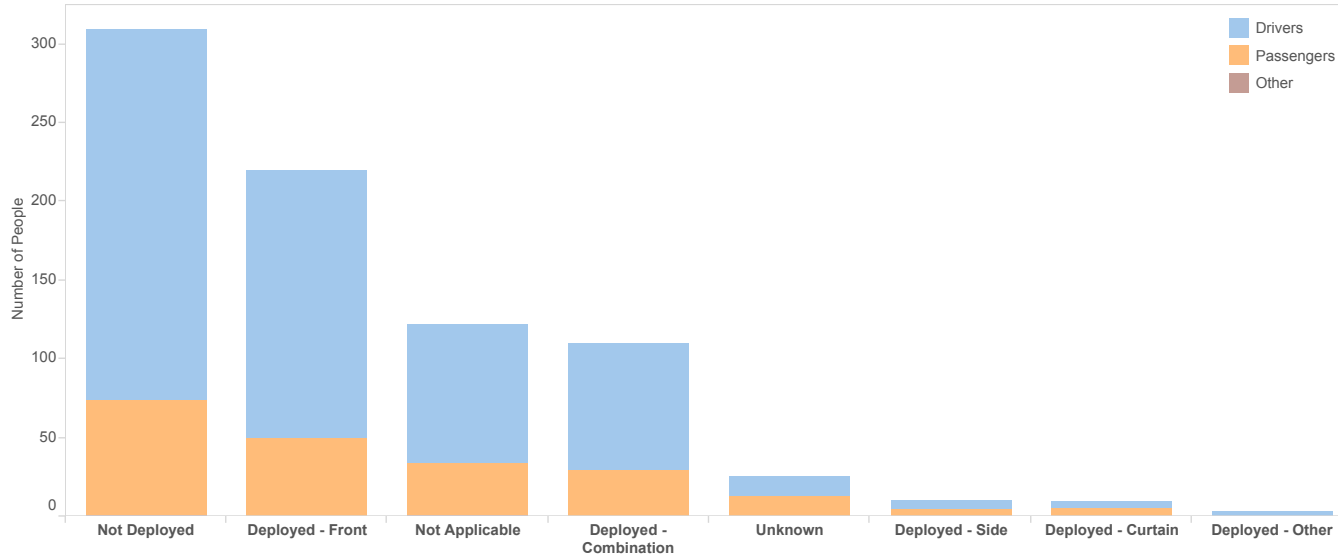
These data are exempt from discovery or admission under 23 U.S.C 409. Data Extracted 9/9/2016

# Collision Analysis Safety Tables - MMUCC

Demographics	Condition at Time of Crash	Safety Systems Used 1	<b>Safety System Used 2</b>	Ejection Status and Injuries	Driver Actions	Driver Distraction
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Airbag Deployment

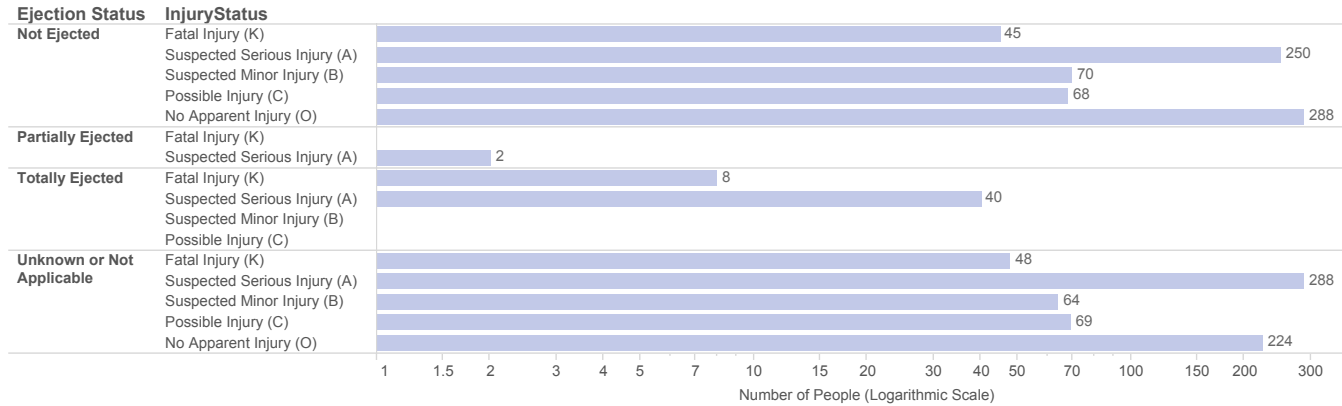


Airbag Deployment	Drivers		Passengers		Other		Grand Total	
	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count
Not Deployed	235.0	39.23%	73.0	35.10%	1.0	50.00%	309.0	38.20%
Deployed - Front	170.0	28.38%	50.0	24.04%			220.0	27.19%
Not Applicable	88.0	14.69%	33.0	15.87%	1.0	50.00%	122.0	15.08%
Unknown	12.0	2.00%	13.0	6.25%			25.0	3.09%
Deployed - Side	6.0	1.00%	4.0	1.92%			10.0	1.24%
Deployed - Curtain	5.0	0.83%	5.0	2.40%			10.0	1.24%
Deployed - Other	3.0	0.50%					3.0	0.37%
Deployed - Combination	80.0	13.36%	30.0	14.42%			110.0	13.60%
<b>Grand Total</b>	<b>599.0</b>	<b>100.00%</b>	<b>208.0</b>	<b>100.00%</b>	<b>2.0</b>	<b>100.00%</b>	<b>809.0</b>	<b>100.00%</b>

# Collision Analysis Safety Tables - MMUCC

Condition at Time of Cra..	Safety Systems Used 1	Safety System Used 2	Ejection Status and Injuries	Driver Actions	Driver Distraction	Pedestrians
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35



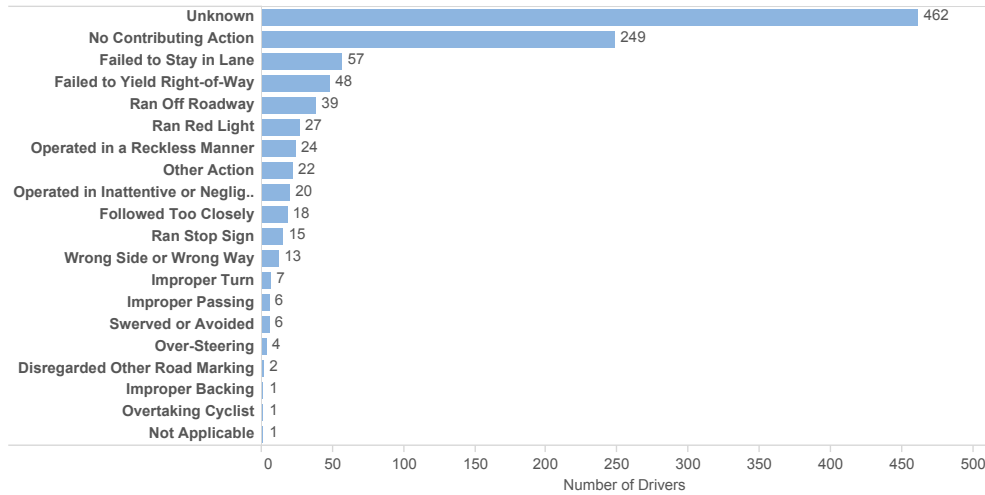
Ejection Status	InjuryStatus	Drivers		Passengers		Other		Grand Total	
		Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count
Not Ejected	Fatal Injury (K)	39.0	6.51%	6.0	2.88%			45.0	5.09%
	Suspected Serious Injury (A)	197.0	32.89%	53.0	25.48%			250.0	28.28%
	Suspected Minor Injury (B)	46.0	7.68%	24.0	11.54%			70.0	7.92%
	No Apparent Injury (O)	202.0	33.72%	85.0	40.87%	1.0	1.30%	288.0	32.58%
	Possible Injury (C)	40.0	6.68%	28.0	13.46%			68.0	7.69%
Partially Ejected	Fatal Injury (K)	1.0	0.17%					1.0	0.11%
	Suspected Serious Injury (A)	2.0	0.33%					2.0	0.23%
Totally Ejected	Fatal Injury (K)	8.0	1.34%					8.0	0.90%
	Suspected Serious Injury (A)	35.0	5.84%	4.0	1.92%	1.0	1.30%	40.0	4.52%
	Suspected Minor Injury (B)	1.0	0.17%					1.0	0.11%
	Possible Injury (C)	1.0	0.17%					1.0	0.11%
Unknown or Not Applicable	Fatal Injury (K)	27.0	4.51%	4.0	1.92%	17.0	22.08%	48.0	5.43%
	Suspected Serious Injury (A)	187.0	31.22%	48.0	23.08%	53.0	68.83%	288.0	32.58%
	Suspected Minor Injury (B)	45.0	7.51%	19.0	9.13%			64.0	7.24%
	No Apparent Injury (O)	154.0	25.71%	64.0	30.77%	6.0	7.79%	224.0	25.34%
	Possible Injury (C)	39.0	6.51%	30.0	14.42%			69.0	7.81%
<b>Grand Total</b>		<b>599.0</b>	<b>100.00%</b>	<b>208.0</b>	<b>100.00%</b>	<b>77.0</b>	<b>100.00%</b>	<b>884.0</b>	<b>100.00%</b>

# Collision Analysis Safety Tables - MMUCC

Safety Systems Us..	Safety System Used 2	Ejection Status and Injuries	<b>Driver Actions</b>	Driver Distraction	Pedestrians	Motorcycle Crashes
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

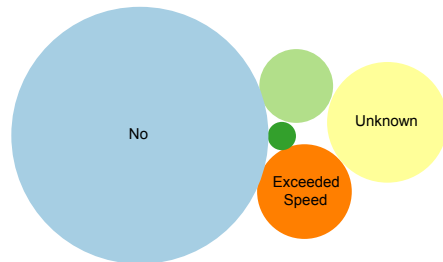
## Drivers' First Actions



First Action - Driver	Count of People	% of Total Count
No Contributing Action	249.0	41.57%
Failed to Stay in Lane	57.0	9.52%
Failed to Yield Right-of-Way	48.0	8.01%
Unknown	39.0	6.51%
Ran Off Roadway	39.0	6.51%
Ran Red Light	27.0	4.51%
Operated in a Reckless Manner	24.0	4.01%
Other Action	22.0	3.67%
Operated in Inattentive or Negligent Manner	20.0	3.34%
Followed Too Closely	18.0	3.01%
Ran Stop Sign	15.0	2.50%
Wrong Side or Wrong Way	13.0	2.17%
Improper Turn	7.0	1.17%
Improper Passing	6.0	1.00%
Swerved or Avoided	6.0	1.00%
Over-Steering	4.0	0.67%
Disregarded Other Road Marking	2.0	0.33%
Improper Backing	1.0	0.17%
Overtaking Cyclist	1.0	0.17%
Not Applicable	1.0	0.17%
<b>Grand Total</b>	<b>599.0</b>	<b>100.00%</b>

## Speed Related

Speeding Related	Count of People	% of Total Count
No	413.0	68.95%
Racing	5.0	0.83%
Exceeded Speed Limit	56.0	9.35%
Too Fast for Conditions	34.0	5.68%
Unknown	91.0	15.19%
<b>Grand Total</b>	<b>599.0</b>	<b>100.00%</b>



- No
- Racing
- Exceeded Speed Limit
- Too Fast for Conditions
- Unknown

# Collision Analysis Safety Tables - MMUCC

Safety System Us..	Ejection Status and Injuries	Driver Actions	Driver Distraction	Pedestrians	Motorcycle Crashes	Work Zones Crashes
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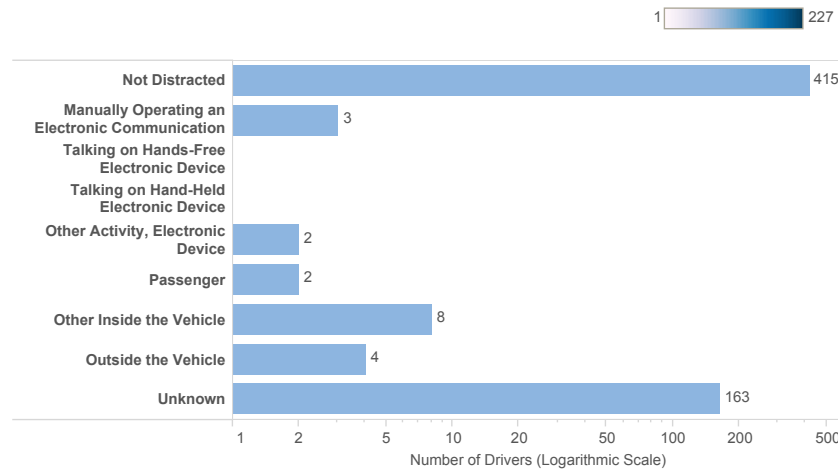
Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Driver Distraction by Driver's First Action

Driver Actions	Not Distracted	Driver Distracted By							
		Manually Operating an Electronic Communication	Talking on Hands-Free Electronic Device	Talking on Hand-Held Electronic Device	Other Activity, Electronic Device	Passenger	Other Inside the Vehicle	Outside the Vehicle	Unknown
No Contributing Action	227	1							21
Ran Off Roadway	21	1					1	1	15
Failed to Yield Right-of-Way	38				1				9
Ran Red Light	17								10
Ran Stop Sign	9	1					1		4
Disregarded Other Road Marking						1			1
Improper Turn	6								1
Improper Backing									1
Improper Passing	5								1
Wrong Side or Wrong Way	8						1		4
Followed Too Closely	10							1	7
Failed to Stay in Lane	26		1			1	5		24
Operated in a Reckless Manner	11							1	12
Operated in Inattentive or Negligent Manner	11				1				8
Swerved or Avoided	5							1	
Over-Steering	2								2
Overtaking Cyclist									1
Not Applicable	1								
Other Action	14				1				7
Unknown	4								35

## Distracted Driving

Driver Distracted By	Count of People	% of Total Count
Not Distracted	415.0	69.28%
Manually Operating an Electronic Communication	3.0	0.50%
Talking on Hands-Free Electronic Device	1.0	0.17%
Talking on Hand-Held Electronic Device	1.0	0.17%
Other Activity, Electronic Device	2.0	0.33%
Passenger	2.0	0.33%
Other Inside the Vehicle	8.0	1.34%
Outside the Vehicle	4.0	0.67%
Unknown	163.0	27.21%
<b>Grand Total</b>	<b>599.0</b>	<b>100.00%</b>



These data are exempt from discovery or admission under 23 U.S.C 409. Data Extracted 9/9/2016

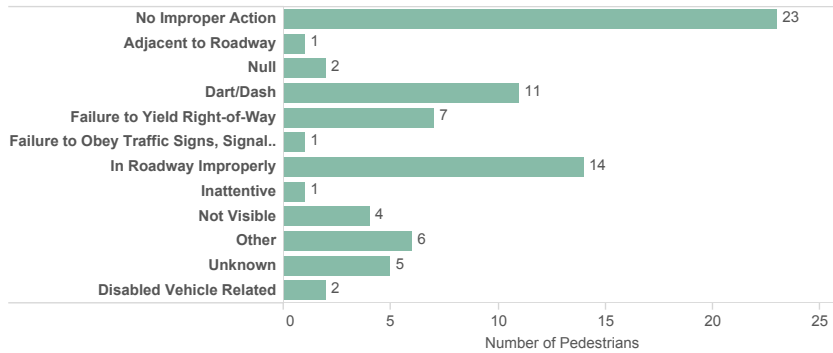


# Collision Analysis Safety Tables - MMUCC

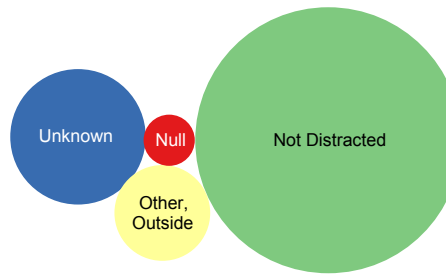
Safety System ..	Ejection Status and Injuries	Driver Actions	Driver Distraction	<b>Pedestrians</b>	Motorcycle Crashes	Work Zones Crashes
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Pedestrian Circumstances at the Time of the Crash



## Pedestrians Distraction



- Null
- Not Distracted
- Other, Outside
- Unknown

Circumstances At Time of Crash	Count of People	% of Total Count
Adjacent to Roadway	1.00	1.30%
Null	2.00	2.60%
No Improper Action	23.00	29.87%
Dart/Dash	11.00	14.29%
Failure to Yield Right-of-Way	7.00	9.09%
Failure to Obey Traffic Signs, Signals, or Officer	1.00	1.30%
In Roadway Improperly	14.00	18.18%
Disabled Vehicle Related	2.00	2.60%
Inattentive	1.00	1.30%
Not Visible	4.00	5.19%
Other	6.00	7.79%
Unknown	5.00	6.49%
<b>Grand Total</b>	<b>77.00</b>	<b>100.00%</b>

Distacted By	Count of People	% of Total Count
Null	2.00	2.60%
<b>Not Distracted</b>	<b>54.00</b>	<b>70.13%</b>
Other, Outside	7.00	9.09%
Unknown	14.00	18.18%
<b>Grand Total</b>	<b>77.00</b>	<b>100.00%</b>

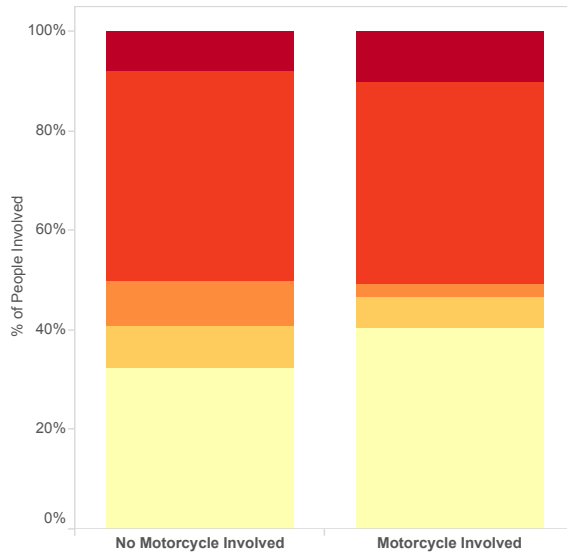
Pedestrian Location at Time of Crash	Location At Time Of Crash	Count of People	% of Total Count
	Unknown	77.00	100.00%
	<b>Grand Total</b>	<b>77.00</b>	<b>100.00%</b>

# Collision Analysis Safety Tables - MMUCC

Safety System ..	Ejection Status and Injuries	Driver Actions	Driver Distraction	Pedestrians	<b>Motorcycle Crashes</b>	Work Zones Crashes
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

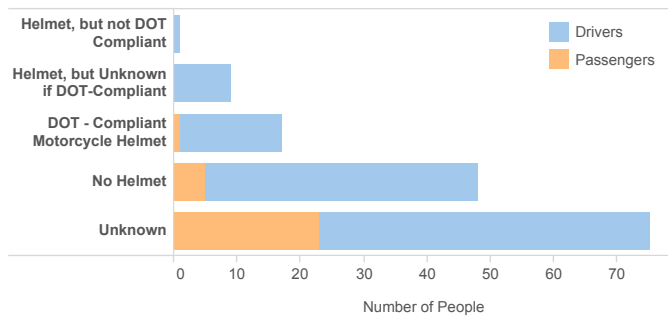
## Injuries Resulting from Motorcycle Crashes



Injury Status	Motorcycle Involved		No Motorcycle Involved		Grand Total	
	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count
Fatal Injury (K)	15.0	10.27%	59.0	7.99%	74.0	8.37%
Suspected Serious Injury (A)	59.0	40.41%	310.0	42.01%	369.0	41.74%
Suspected Minor Injury (B)	4.0	2.74%	68.0	9.21%	72.0	8.14%
Possible Injury (C)	9.0	6.16%	62.0	8.40%	71.0	8.03%
No Apparent Injury (O)	59.0	40.41%	239.0	32.38%	298.0	33.71%
<b>Grand Total</b>	<b>146.0</b>	<b>100.00%</b>	<b>738.0</b>	<b>100.00%</b>	<b>884.0</b>	<b>100.00%</b>



## Helmet Use in Motorcycle Crashes



Helmet Use	Drivers		Passengers		Grand Total	
	Count of People	% of Total Count	Count of People	% of Total Count	Count of People	% of Total Count
Unknown	52.0	44.44%	23.0	79.31%	75.0	51.37%
No Helmet	43.0	36.75%	5.0	17.24%	48.0	32.88%
DOT - Compliant Motorcycle Helmet	16.0	13.68%	1.0	3.45%	17.0	11.64%
Helmet, but not DOT Compliant	1.0	0.85%	0.0	0.00%	1.0	0.68%
Helmet, but Unknown if DOT-Compliant	9.0	7.69%	0.0	0.00%	9.0	6.16%
<b>Grand Total</b>	<b>117.0</b>	<b>100.00%</b>	<b>29.0</b>	<b>100.00%</b>	<b>146.0</b>	<b>100.00%</b>

# Collision Analysis Safety Tables - MMUCC

Safety System ..	Ejection Status and Injuries	Driver Actions	Driver Distraction	Pedestrians	Motorcycle Crashes	<b>Work Zones Crashes</b>
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Queries Selected: Town(All), Date(Year:2015 or 1/1/2015 to 12/31/2015), Severity(Suspected Serious Injury (A) & Fatal Injury (K)), Route Class(All), Road Number(All), Mile Markers 0.01 to 117.35

## Location Relative of Workzone

Location Relative To Work Zone	Number of Crashes	% of Total
Advance Warning Area	1.0	0.27%
Transition Area	1.0	0.27%
Activity Area	2.0	0.54%
Not Applicable	347.0	94.29%
Null	16.0	4.35%
Unknown	1.0	0.27%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

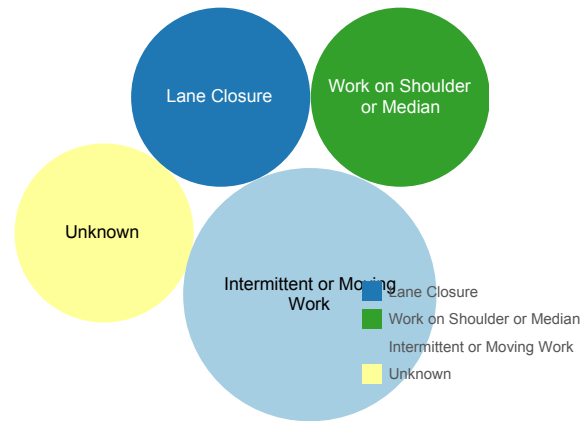
## Type of Workzone

Type Of Work Zone	Number of Crashes	% of Total
Lane Closure	1.0	0.27%
Work on Shoulder or Median	1.0	0.27%
Intermittent or Moving Work	2.0	0.54%
Not Applicable	347.0	94.29%
Null	16.0	4.35%
Unknown	1.0	0.27%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

## Locations Excluding Null and Not Applicable



## Work Zone Type Excluding Null and Not Applicable



Workzone Related	Number of Crashes	% of Total
Yes	3.0	0.82%
No	365.0	99.18%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

Worker Presence	Number of Crashes	% of Total
Yes	2.0	0.54%
No	7.0	1.90%
Not Applicable	341.0	92.66%
Unknown	1.0	0.27%
Null	17.0	4.62%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>

Law Enforcement Presence	Number of Crashes	% of Total
No	8.0	2.17%
Not Applicable	344.0	93.48%
Null	16.0	4.35%
<b>Grand Total</b>	<b>368.0</b>	<b>100.00%</b>