

Comprehensive Highway Safety Plan Update Emphasis Area Discussion

2014 Transportation Safety Summit

presented to

Summit Participants

presented by

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October 15, 2014

CAMBRIDGE
SYSTEMATICS

Emphasis Area Discussion Objectives

» Define Strategies

- Broad enough to be valid over multiple years
- May have multiple action steps
- Can be specific to overlapping issue areas
- Should be data driven
- Consider which person/agency can take on strategy leadership

» Which emphasis area team you want to be on moving forward?

» Who should be on emphasis area teams who are not here today?

Strategy Development – Examples from Previous CHSP

» Primary Safety Belt Law

- Provide technical and informational support on primary safety belt law

» Impaired Driving

- Expand DUI courts

» High Crash Corridors and Locations

- Conduct sign evaluation

Integrate Measurement into Program Development

- » Define objectives
- » Define target population
- » Define what will be evaluated
- » Define data collection methods
- » Determine how data will be analyzed

Learning what isn't working is just as valuable and learning what is working

Source: *Demonstrating Your Program's Worth: A Primer on Evaluation for Programs to Prevent Unintentional Injury*, National Center for Injury Prevention and Control, Centers for Disease Control, 2000

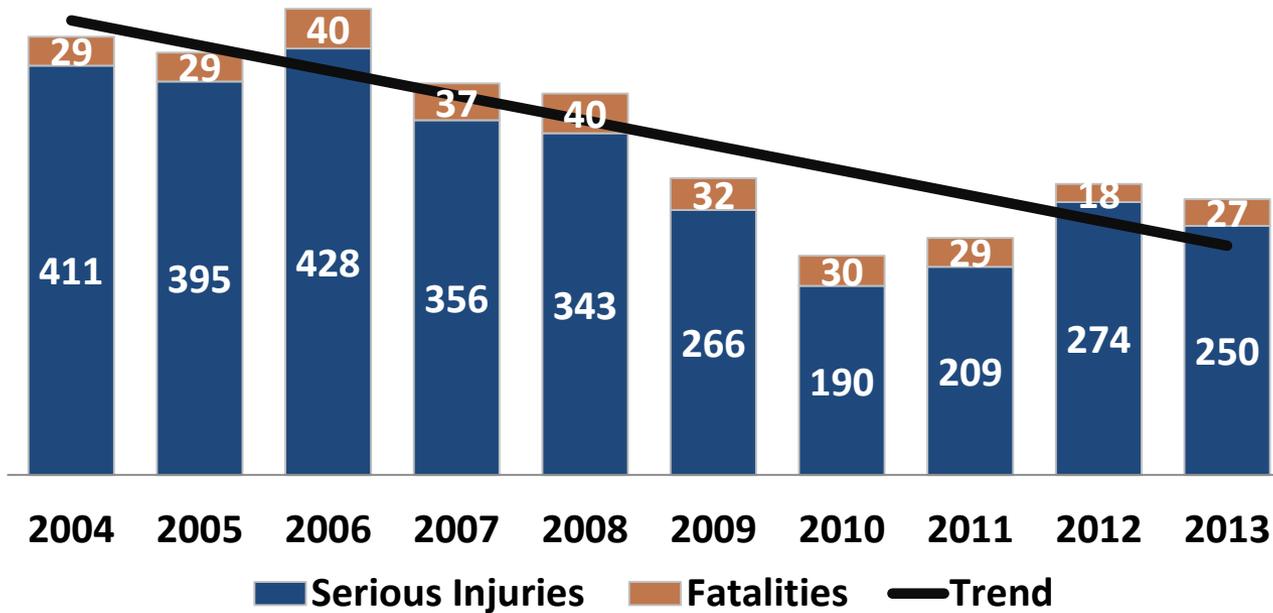
Emphasis Area Discussion Groups

- » **1: Intersections and Roadway Departure**
- » **2: Occupant Protection**
- » **3: Impaired Driving**
- » **4. Distracted Driving**

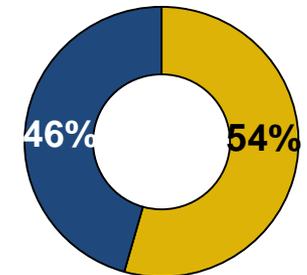
Discussion Group 1: Intersections and Roadway Departure Crashes

Intersection Crashes

- Problem Overview (2004 through 2013) -



Urban and Rural Fatalities & Serious Injuries



■ Urban ■ Rural

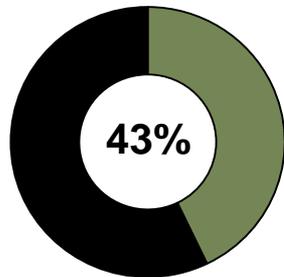
Intersection Crashes

- Crash Severity -

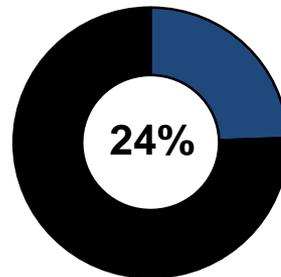
Fatalities & Serious Injuries per 100 Persons



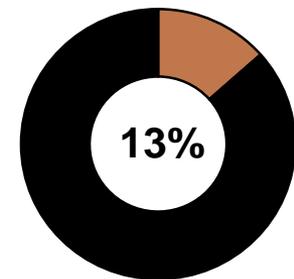
% of People in Crashes



% of Serious Injuries

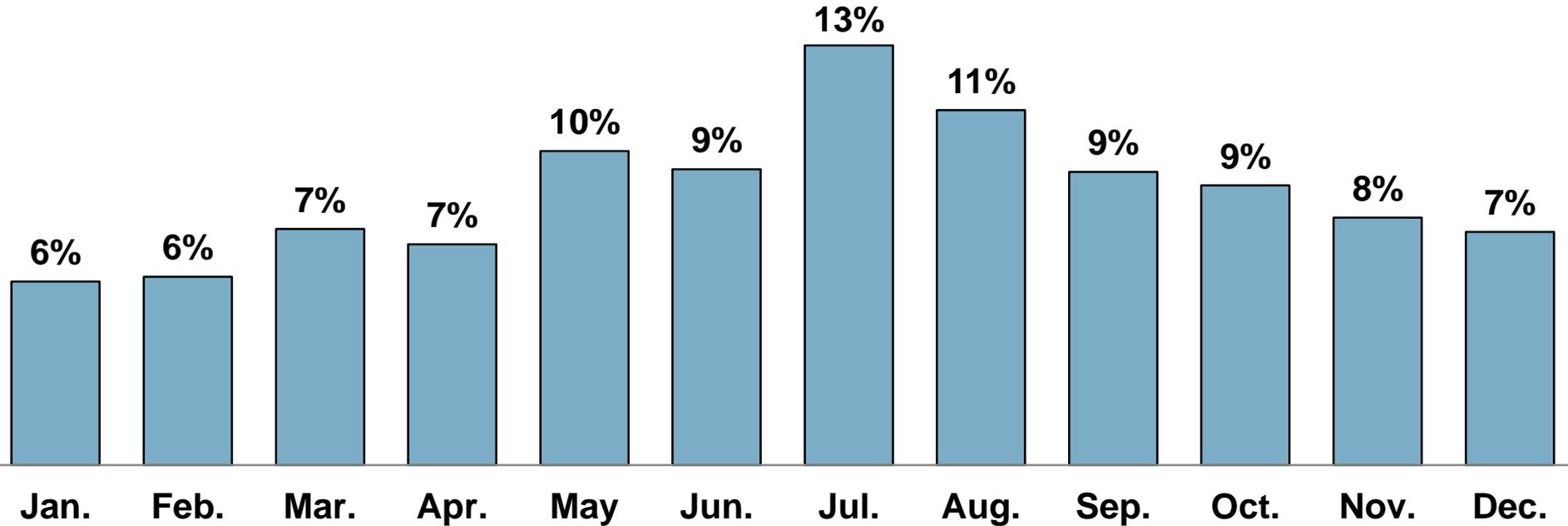


% of Fatalities



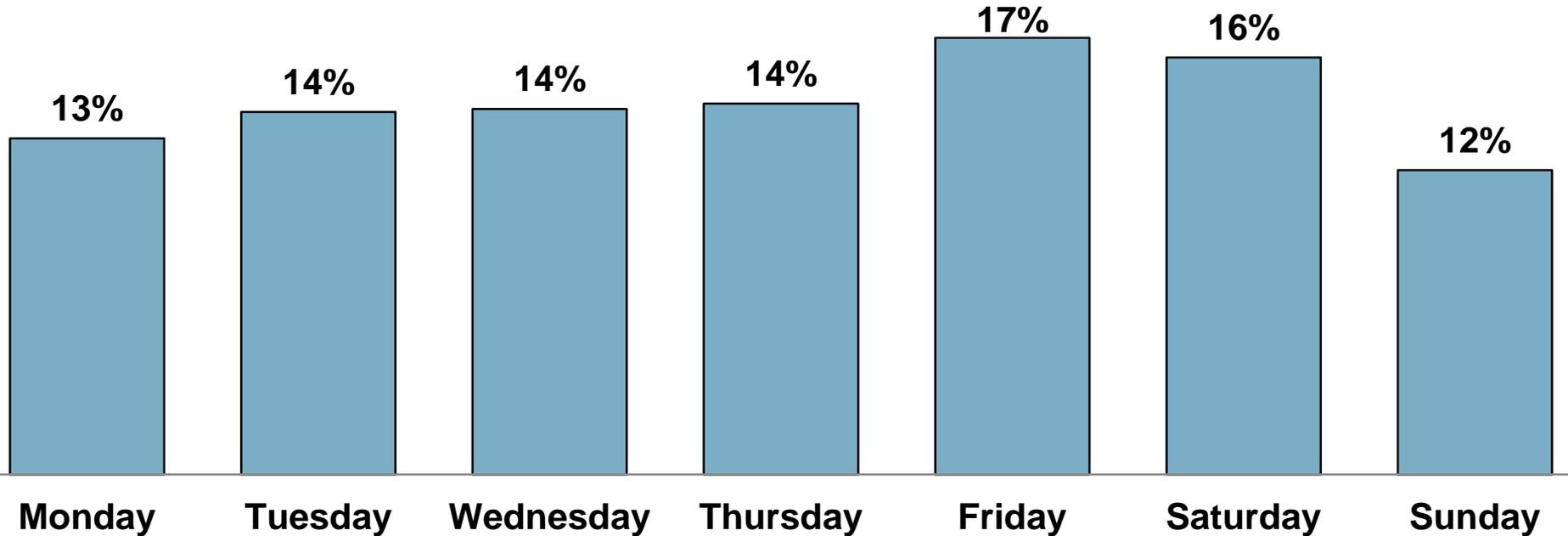
Intersection Crashes

- Fatalities and Serious Injuries by Month -



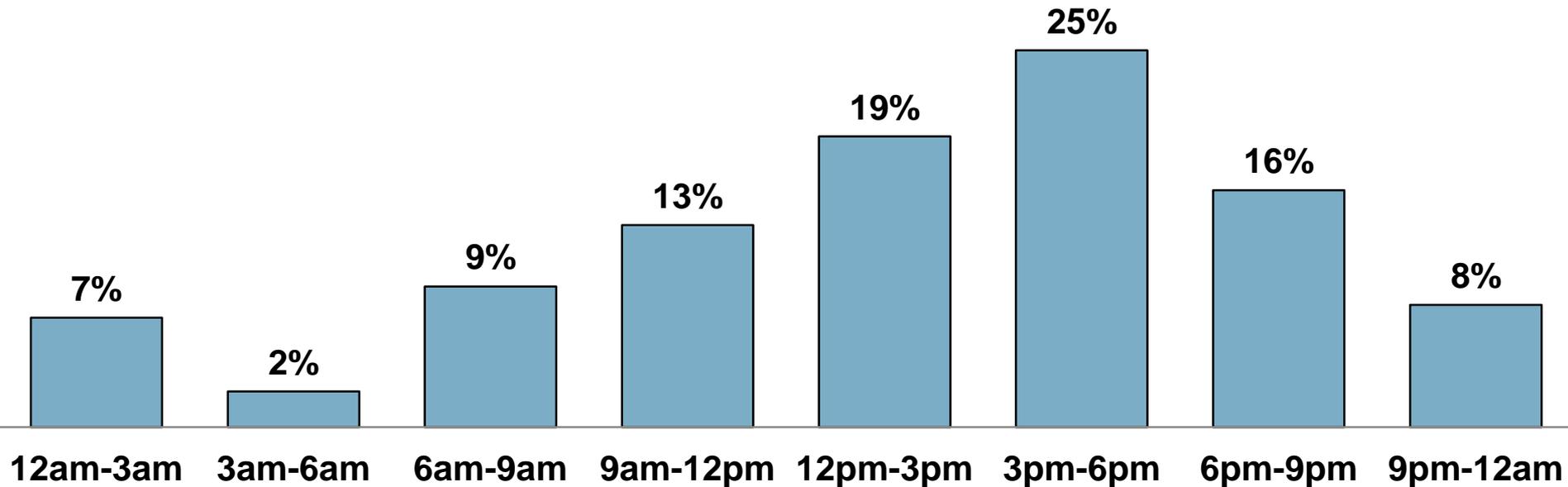
Intersection Crashes

- Fatalities and Serious Injuries by Day of Week -



Intersection Crashes

- Fatalities and Serious Injuries by Time of Day -



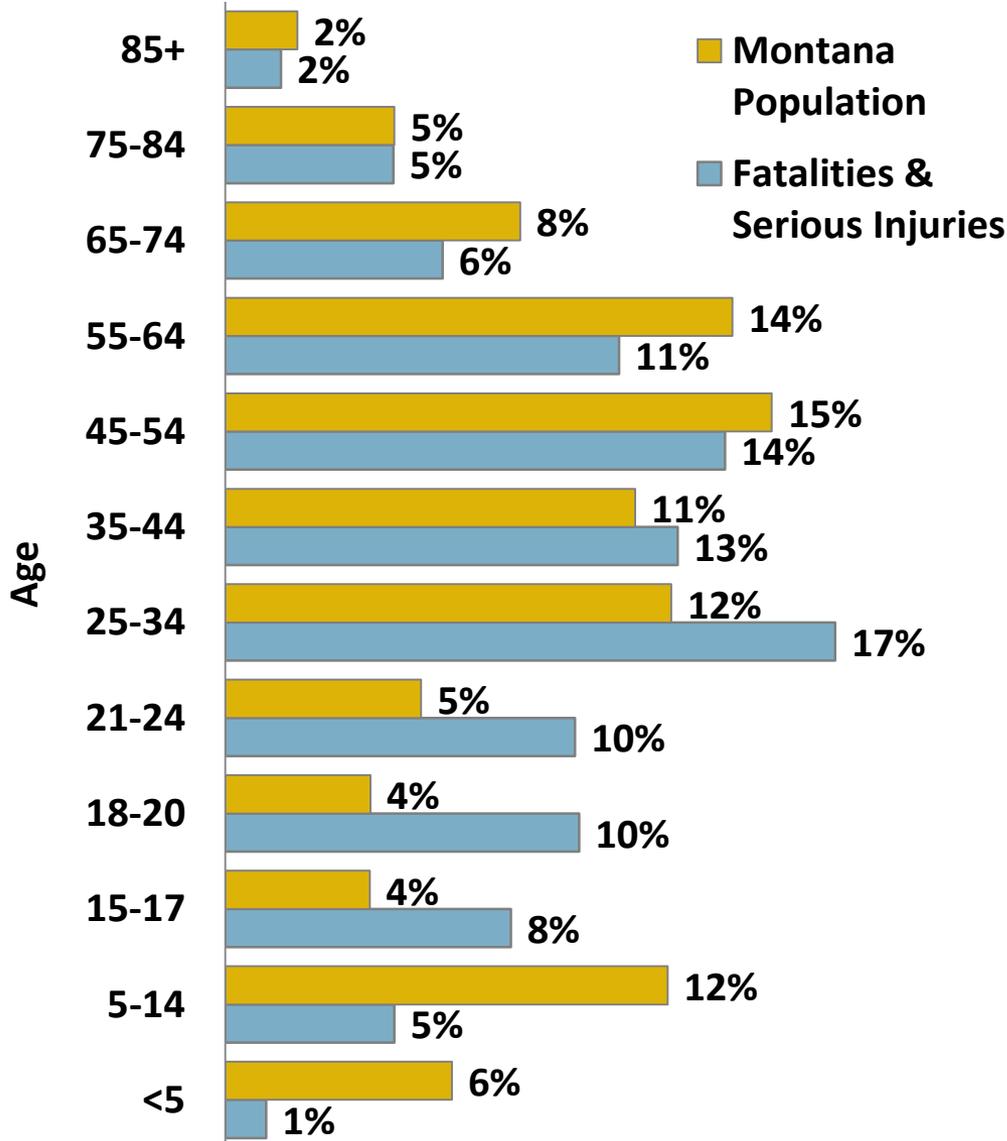
Intersection Crashes

- Fatalities and Serious Injuries by Time of Day and Day of Week -

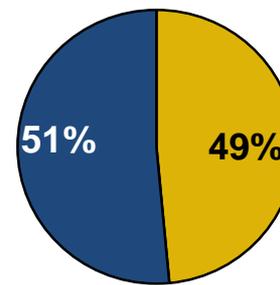
Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
12am-3am	17	19	21	20	29	78	64
3am-6am	6	6	12	15	10	13	19
6am-9am	53	58	66	56	39	19	28
9am-12pm	68	73	70	54	68	74	51
12pm-3pm	80	76	94	113	131	102	63
3pm-6pm	130	155	91	130	158	101	89
6pm-9pm	66	70	93	68	83	102	55
9pm-12am	25	23	37	35	60	63	34

Intersection Crashes

- Fatalities and Serious Injuries by Age and Gender -



People in Intersection Crashes

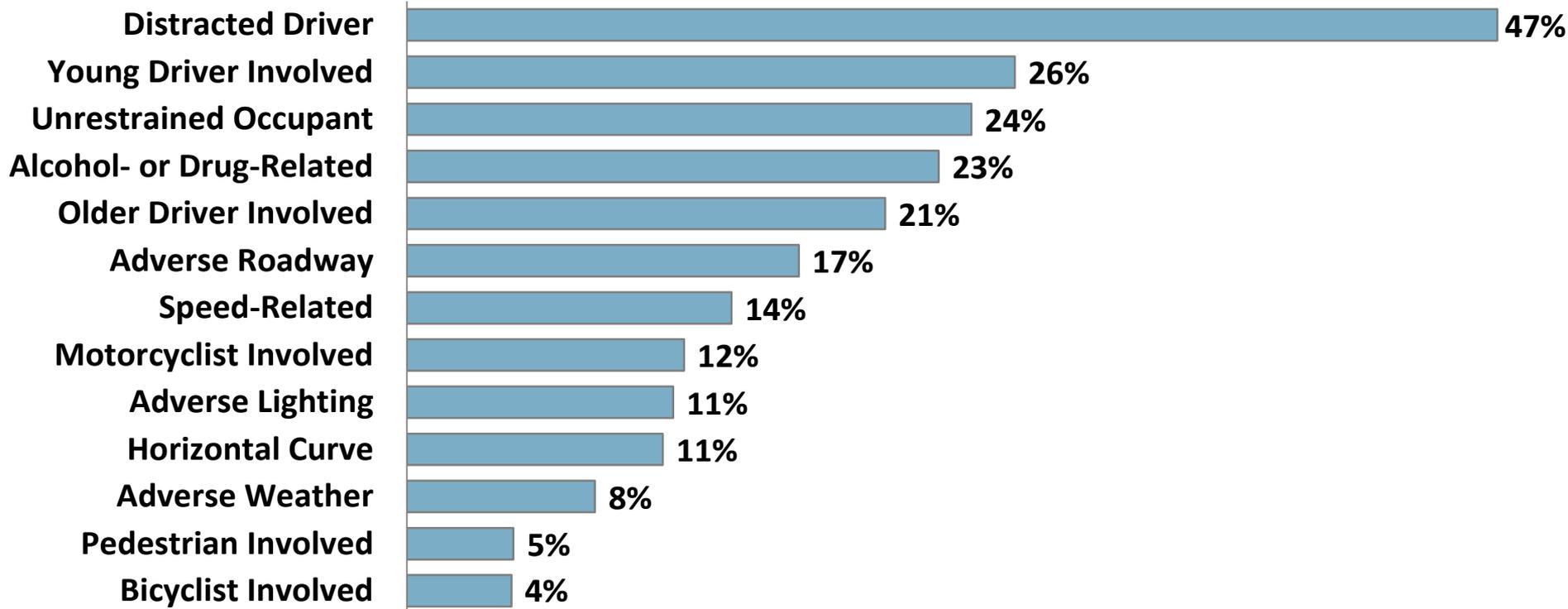


All People in Crashes



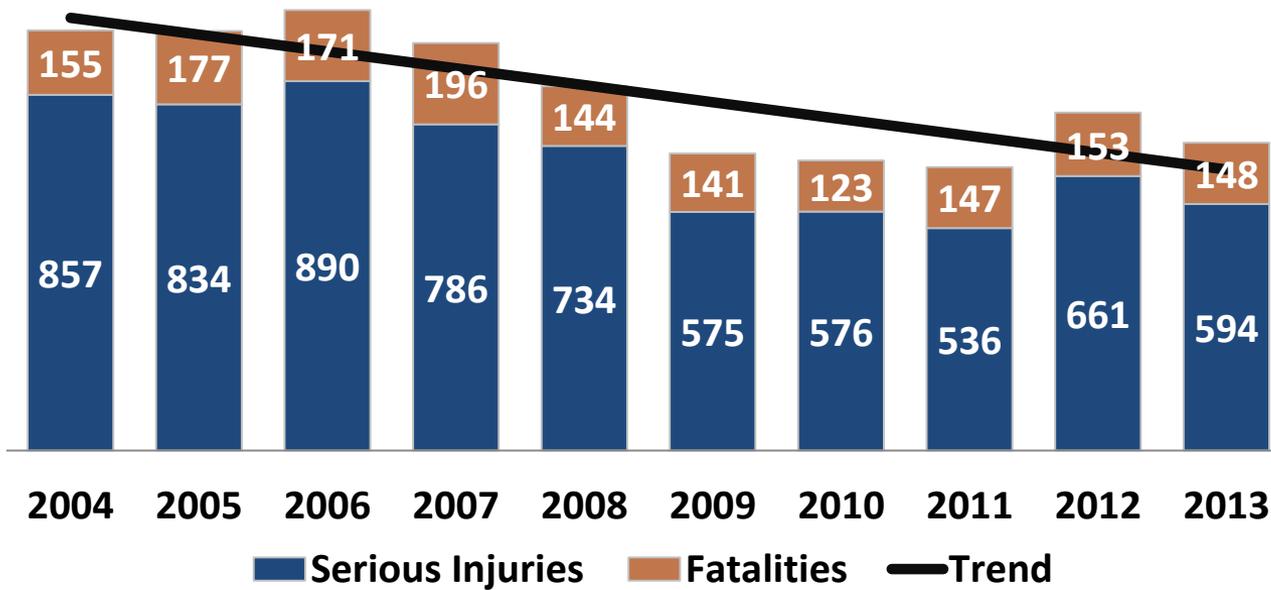
Intersection Crashes

- Fatalities and Serious Injuries by Top Behavioral and Environmental Risk Factors -

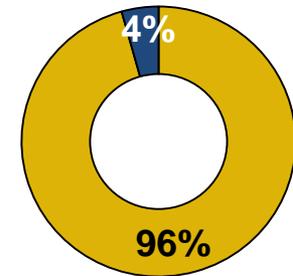


Roadway Departure Crashes

- Problem Overview (2004 through 2013) -



Urban and Rural Fatalities & Serious Injuries

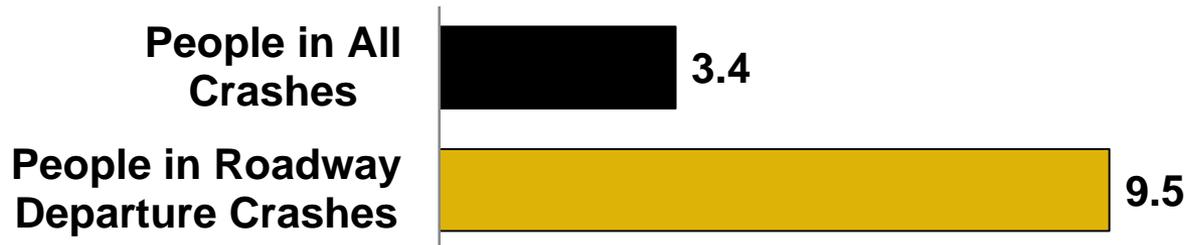


■ Urban ■ Rural

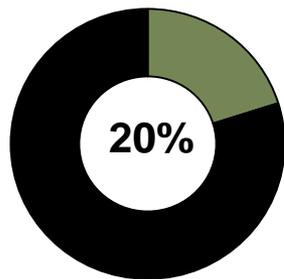
Roadway Departure Crashes

- Crash Severity -

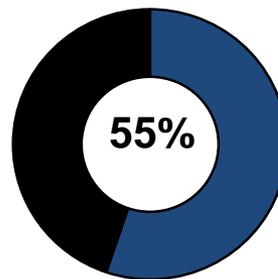
Fatalities & Serious Injuries per 100 Persons



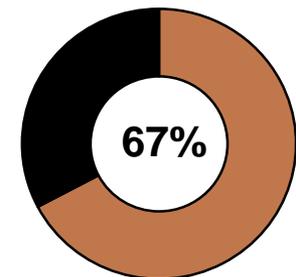
% of People in Crashes



% of Serious Injuries

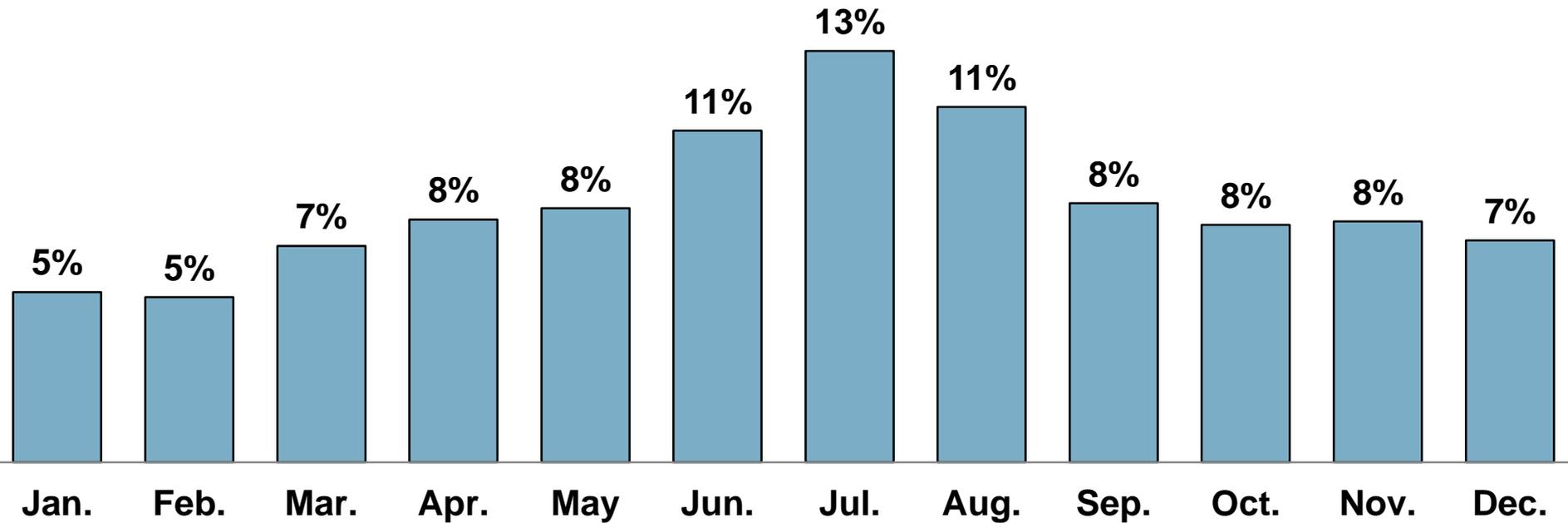


% of Fatalities



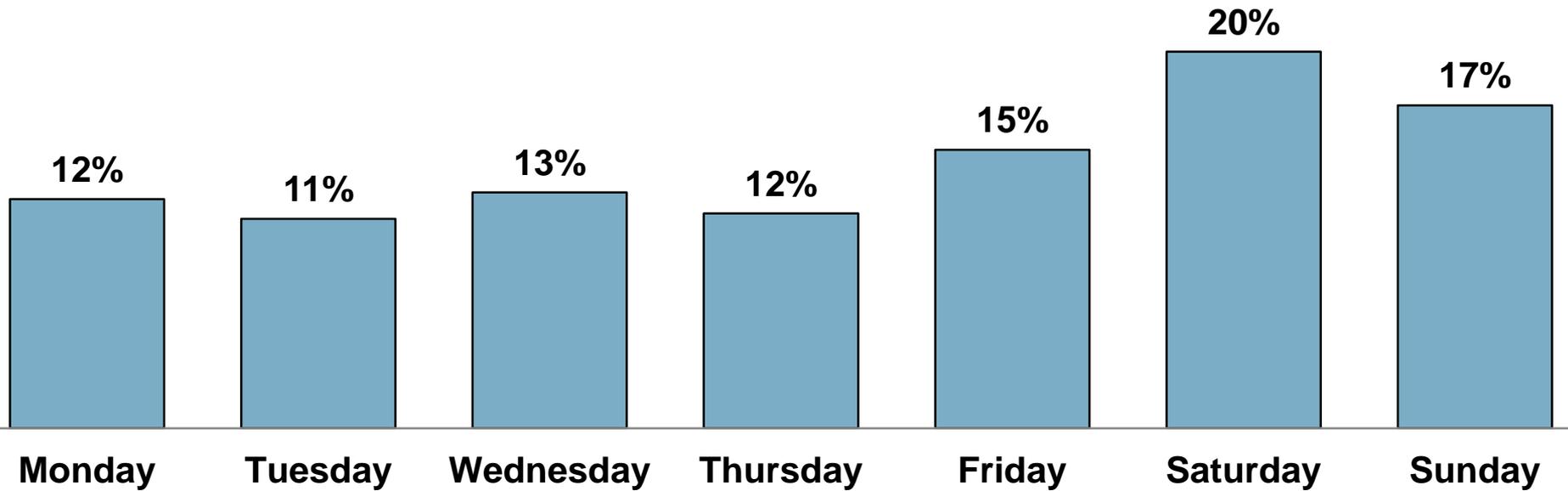
Roadway Departure Crashes

- Fatalities and Serious Injuries by Month -



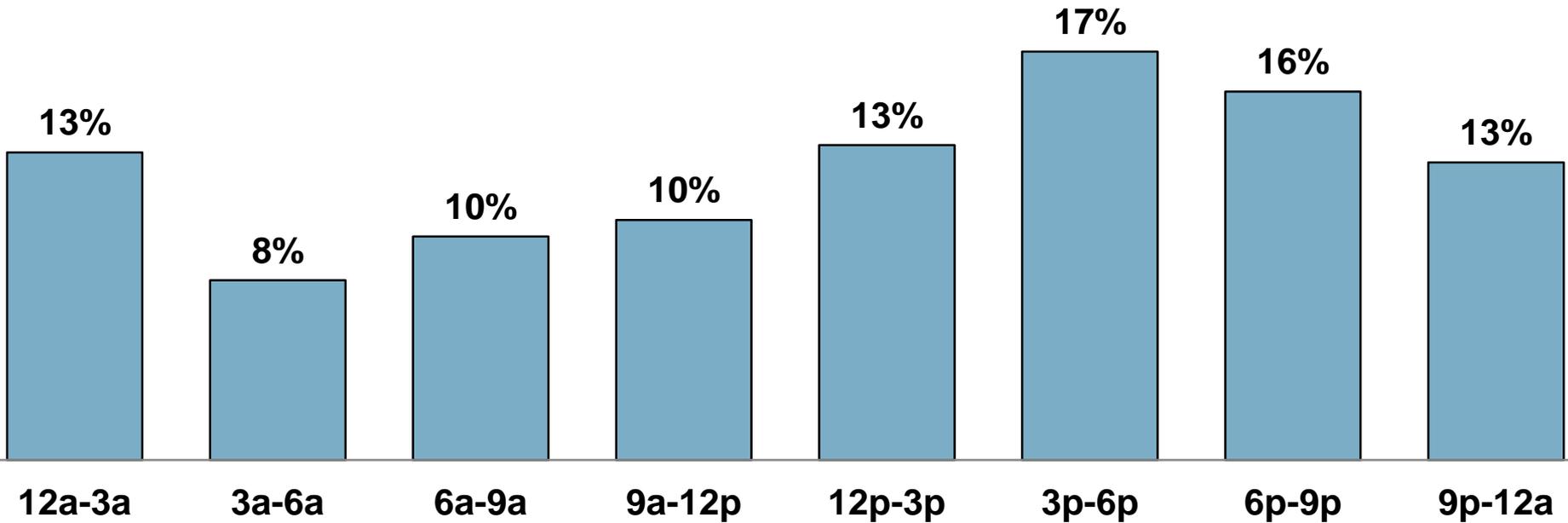
Roadway Departure Crashes

- Fatalities and Serious Injuries by Day of Week -



Roadway Departure Crashes

- Fatalities and Serious Injuries by Time of Day -



Roadway Departure Crashes

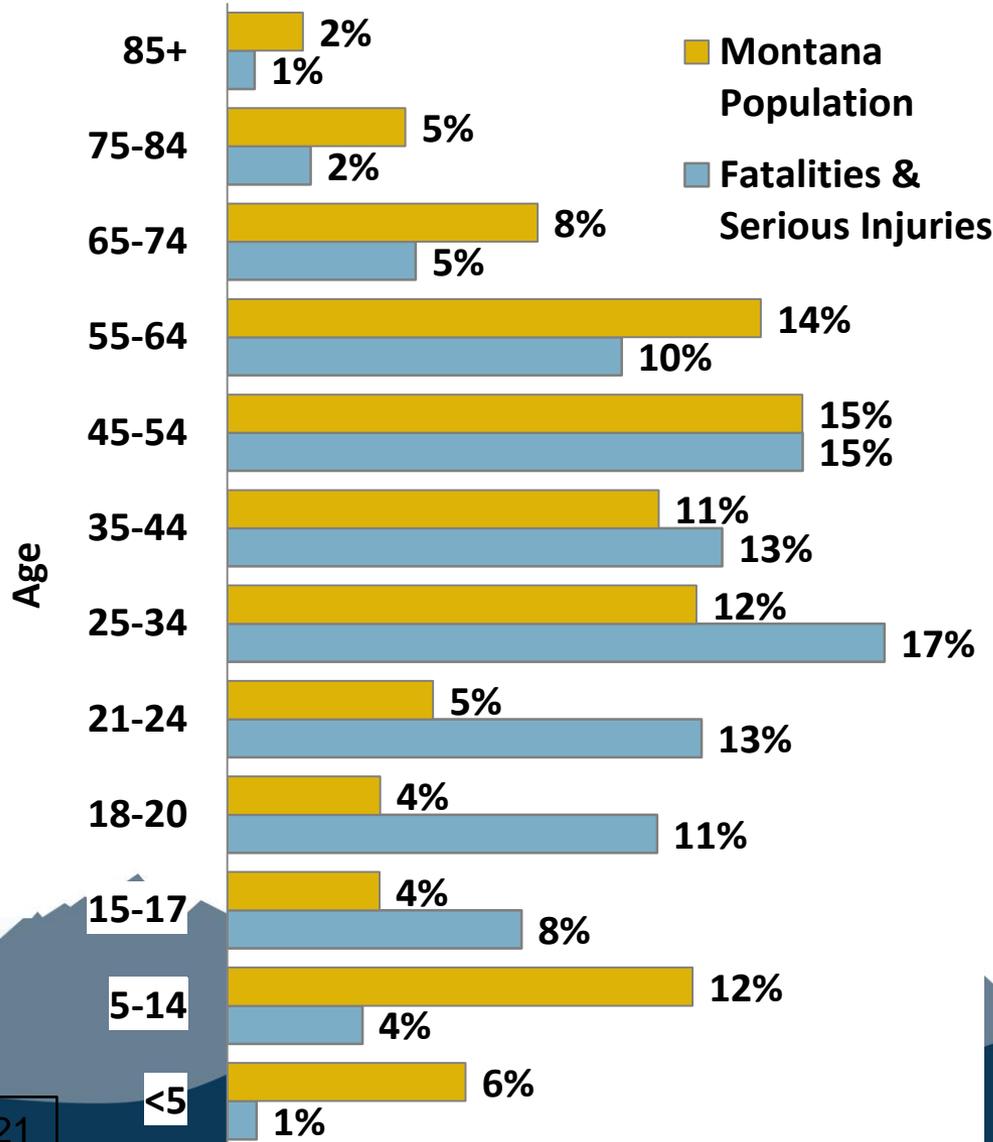
- Fatalities and Serious Injuries by Time of Day and Day of Week -

Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
12a-3a	115	95	116	112	125	314	253
3a-6a	44	68	66	62	79	165	176
6a-9a	122	104	117	108	142	118	110
9a-12p	125	121	133	112	100	157	134
12p-3p	162	128	127	125	174	227	214
3p-6p	193	189	195	184	197	270	273
6p-9p	172	160	181	162	228	255	196
9p-12a	122	100	151	124	237	228	131

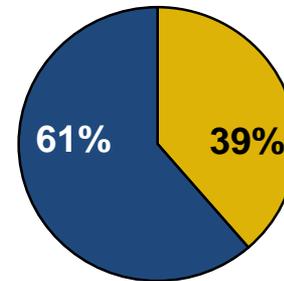


Roadway Departure Crashes

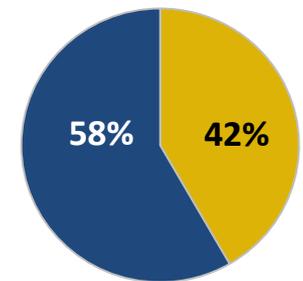
- Fatalities and Serious Injuries by Age and Sex -



People in Roadway Departure Crashes



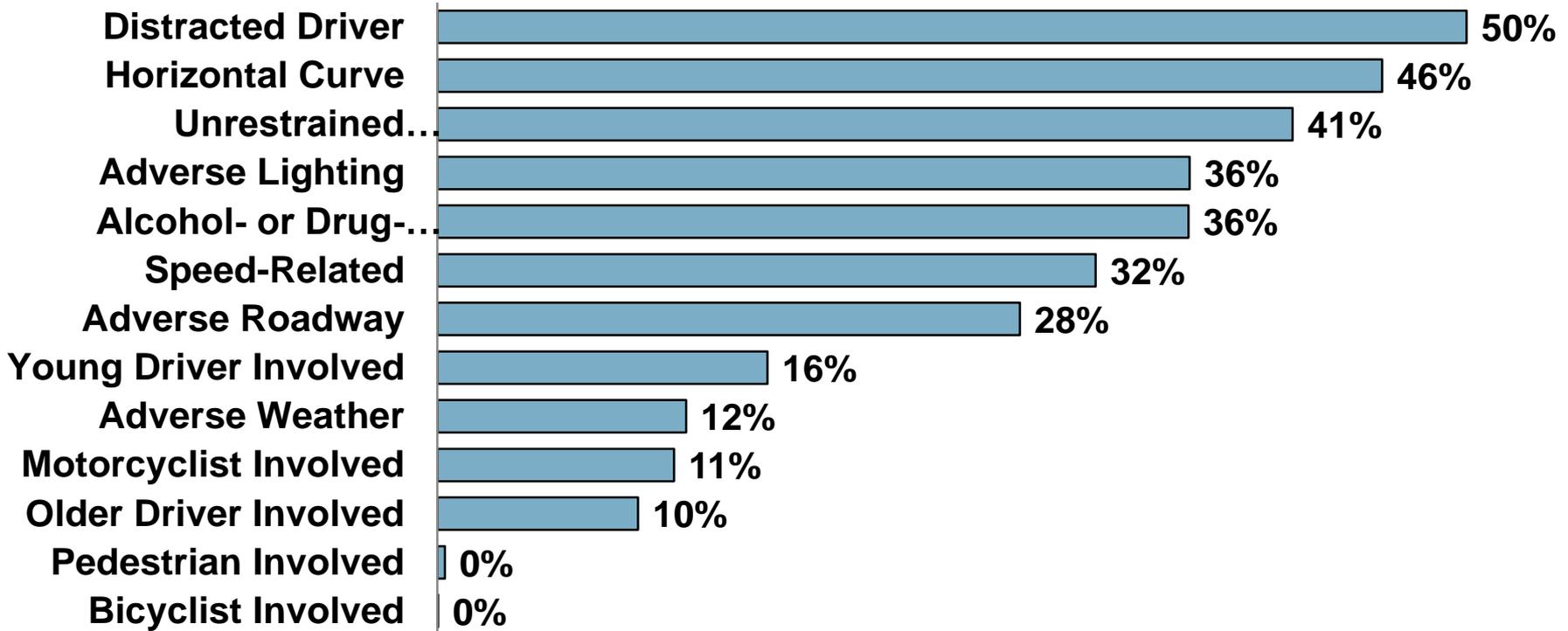
All People in Crashes



Male
Female

Roadway Departure Crashes

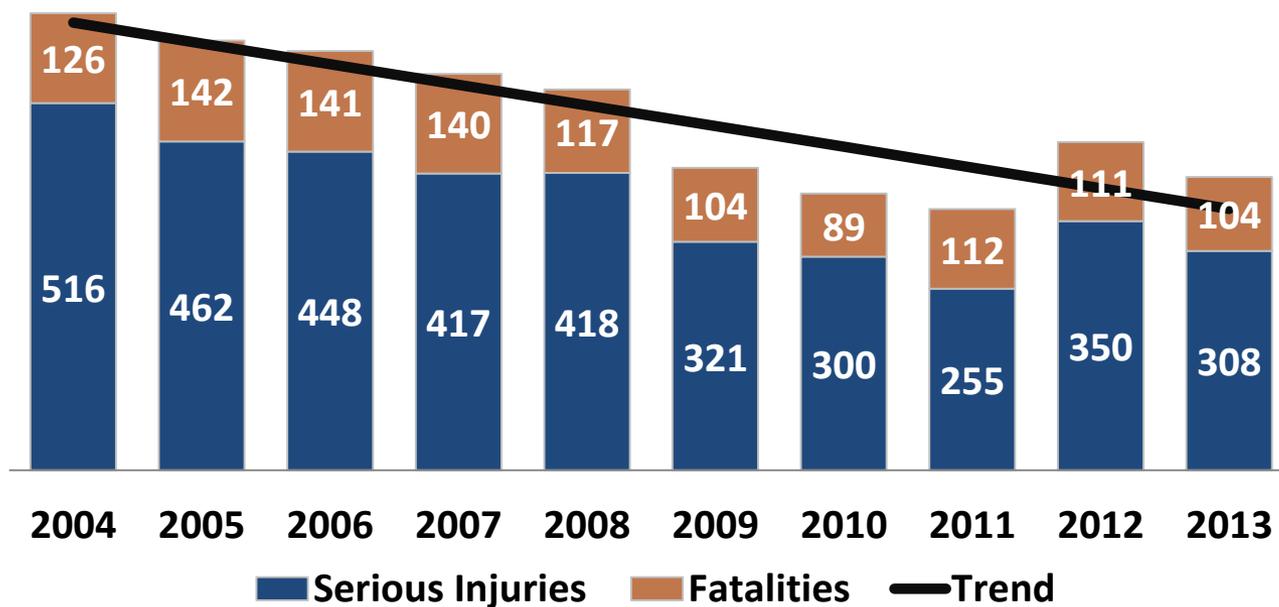
- Fatalities and Serious Injuries by Top Behavioral and Environmental Risk Factors -



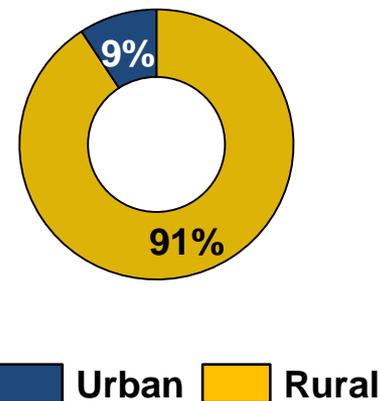
Discussion Group 2: Occupant Protection

Unrestrained Passenger Vehicle Occupants

- Problem Overview (2004 through 2013) -



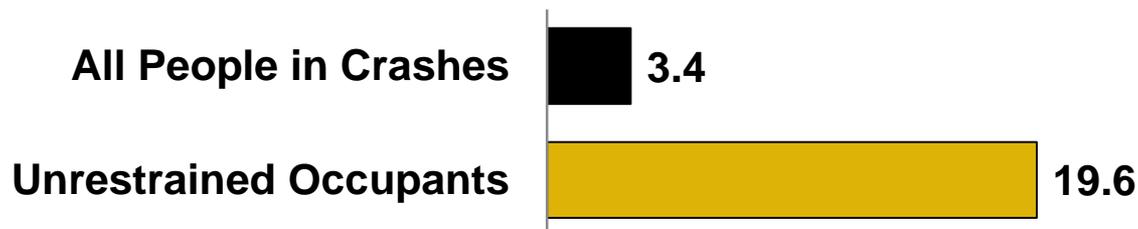
Urban and Rural Fatalities & Serious Injuries



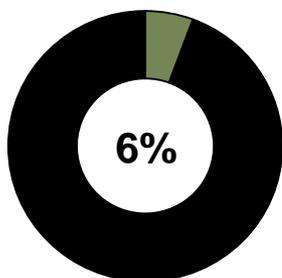
Unrestrained Passenger Vehicle Occupants

- Crash Severity -

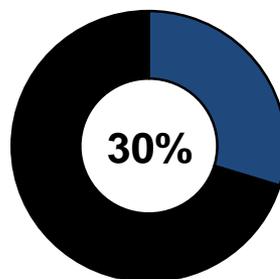
Fatalities & Serious Injuries per 100 Persons



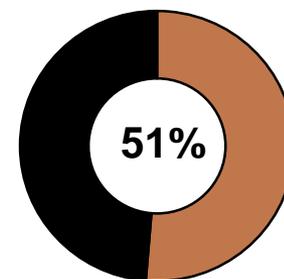
% of People in Crashes



% of Serious Injuries

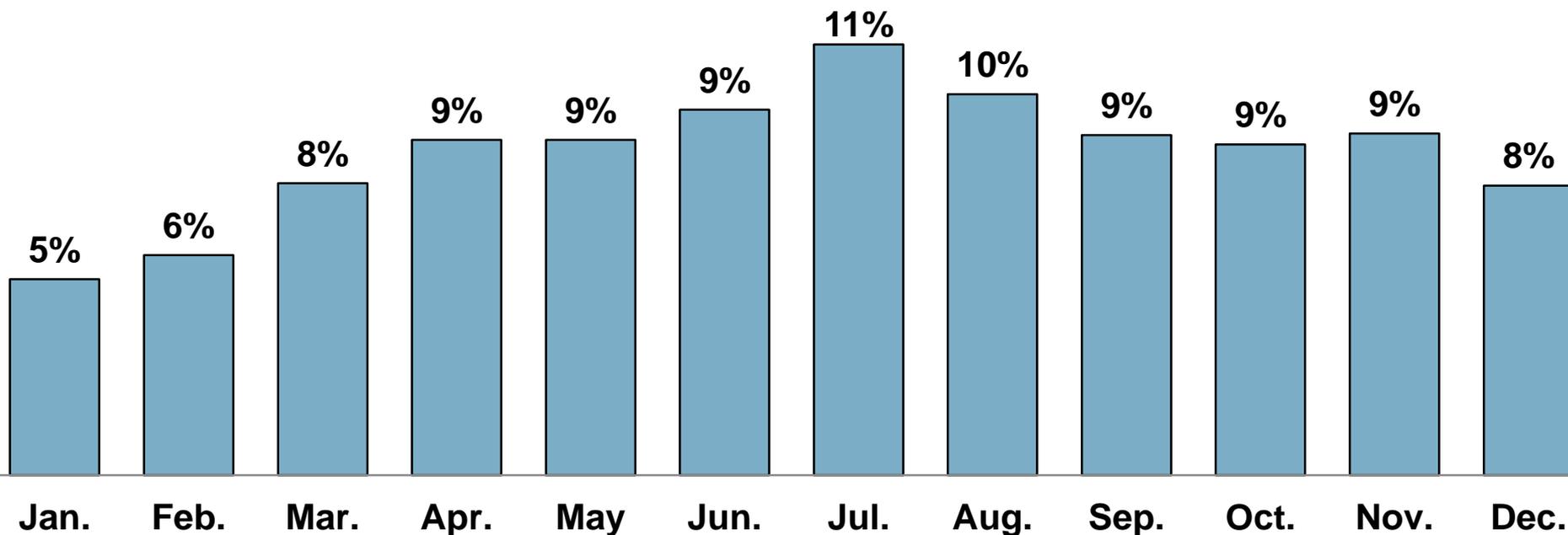


% of Fatalities



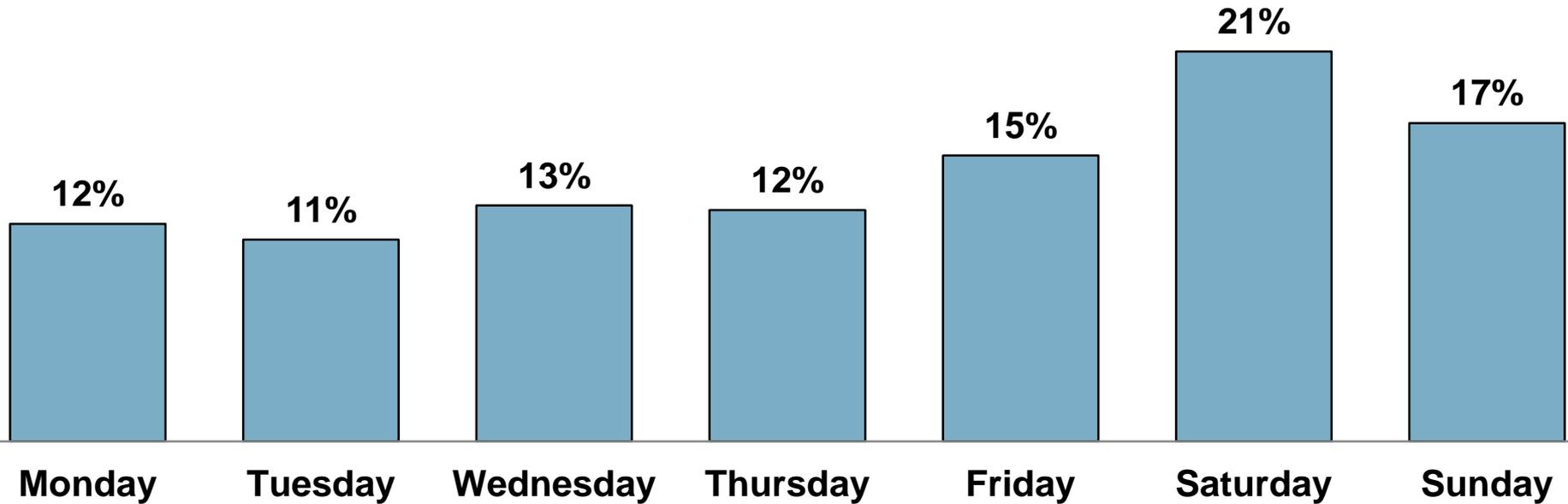
Unrestrained Passenger Vehicle Occupants

- Fatalities and Serious Injuries by Month -



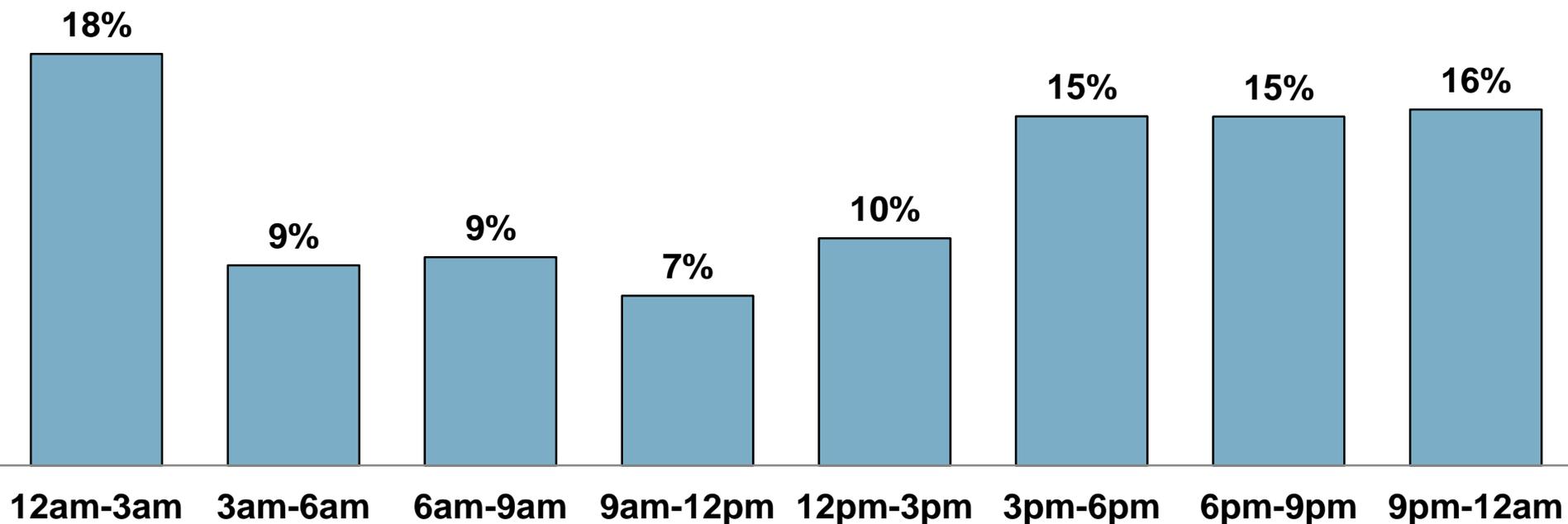
Unrestrained Passenger Vehicle Occupants

- Fatalities and Serious Injuries by Day of Week -



Unrestrained Passenger Vehicle Occupants

- Fatalities and Serious Injuries by Time of Day -



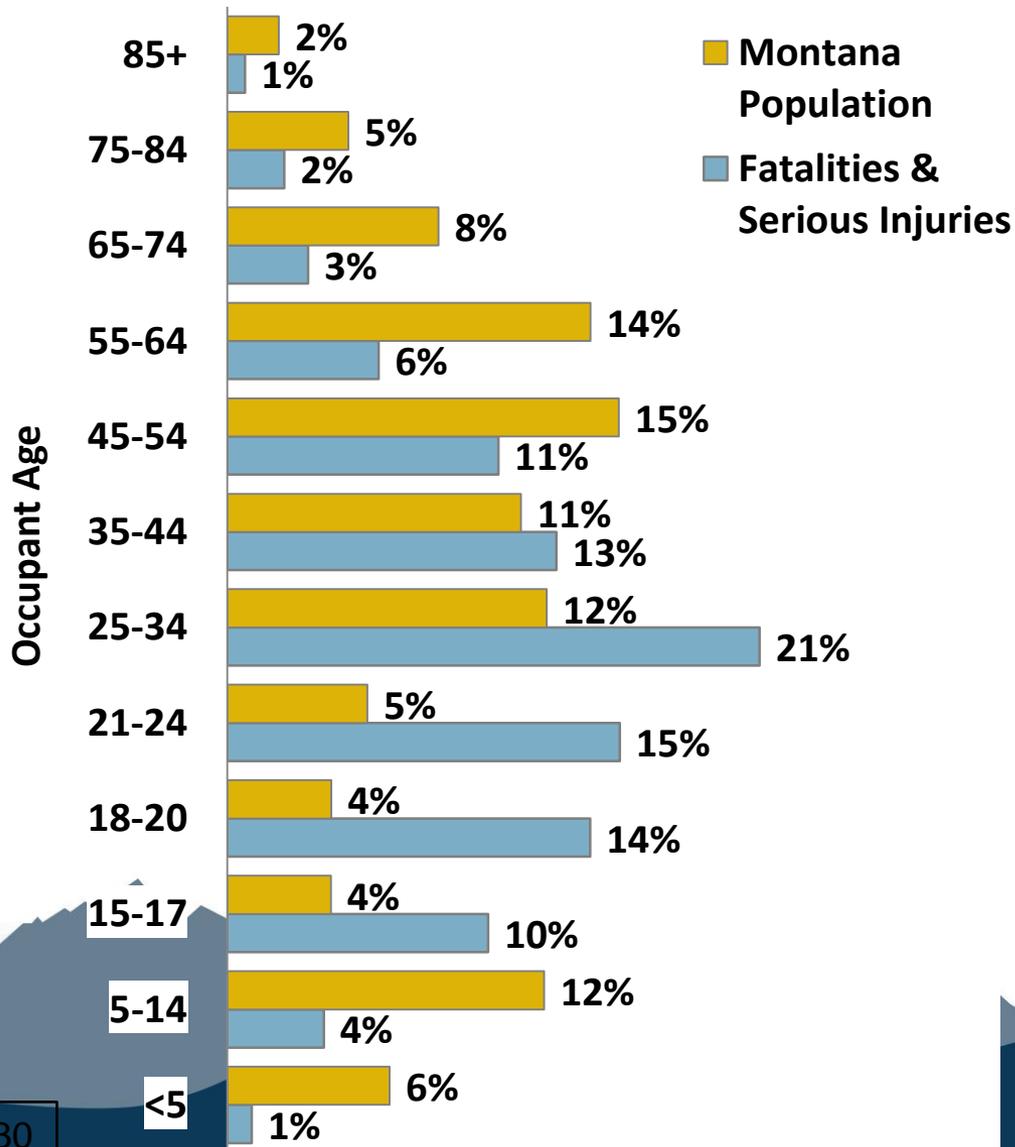
Unrestrained Passenger Vehicle Occupants

- Fatalities and Serious Injuries by Time of Day and Day of Week -

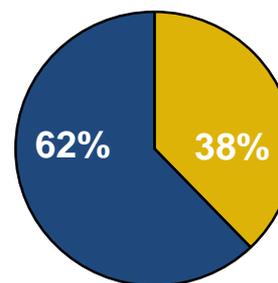
Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
12am-3am	82	68	97	89	115	254	198
3am-6am	30	41	36	44	38	118	132
6am-9am	65	53	77	53	81	66	62
9am-12pm	65	46	52	52	42	60	55
12pm-3pm	69	58	55	63	74	97	82
3pm-6pm	84	117	92	131	115	121	106
6pm-9pm	90	83	109	93	129	145	116
9pm-12am	91	68	107	88	163	172	92

Unrestrained Passenger Vehicle Occupants

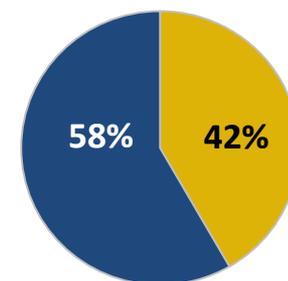
- Fatalities and Serious Injuries by Age and Gender -



Unrestrained Occupants



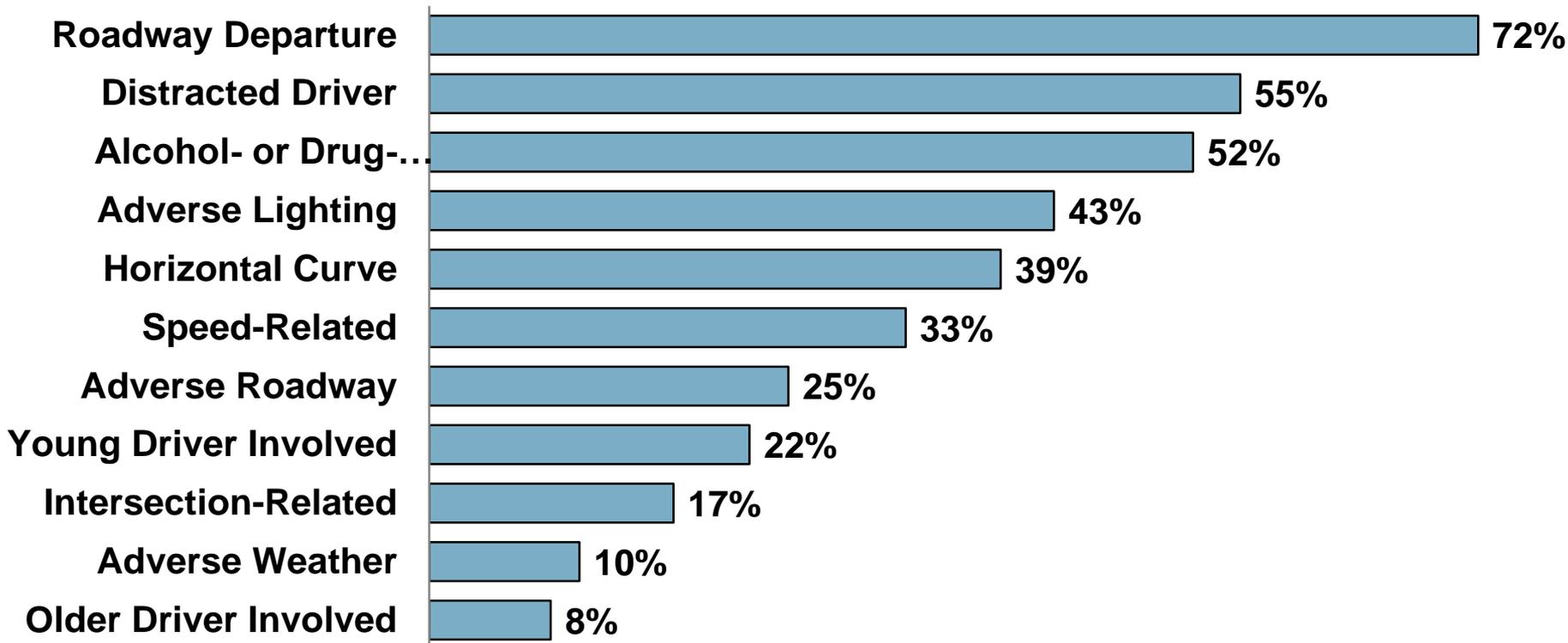
All People in Crashes



Male
Female

Unrestrained Passenger Vehicle Occupants

- Fatalities and Serious Injuries by Top Behavioral and Environmental Risk Factors -



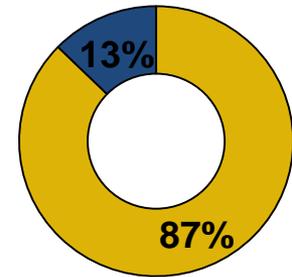
Discussion Group 3: Impaired Driving

Impaired Driving Crashes (Alcohol &/or Drugs)

- Problem Overview (2004 through 2013) -



Urban and Rural Fatalities & Serious Injuries



■ Urban ■ Rural

Impaired Driving Crashes (Alcohol &/or Drugs)

- Crash Severity -

Fatalities & Serious Injuries per 100 Persons

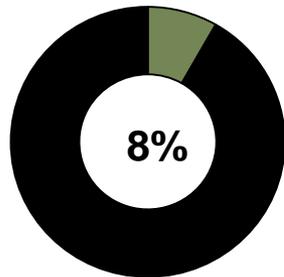
All People in Crashes



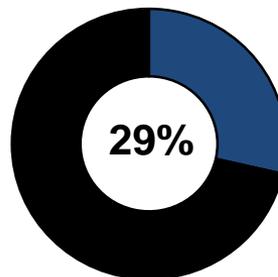
People in Impaired Driving Crashes



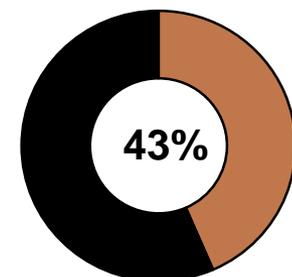
% of People in Crashes



% of Serious Injuries

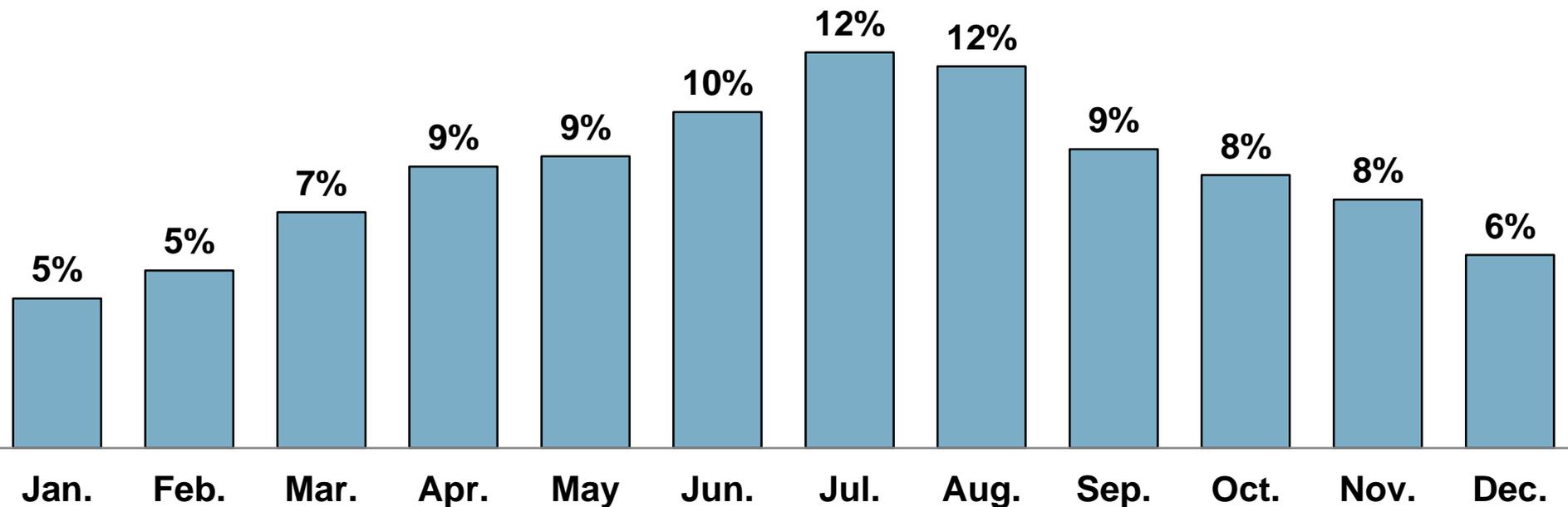


% of Fatalities



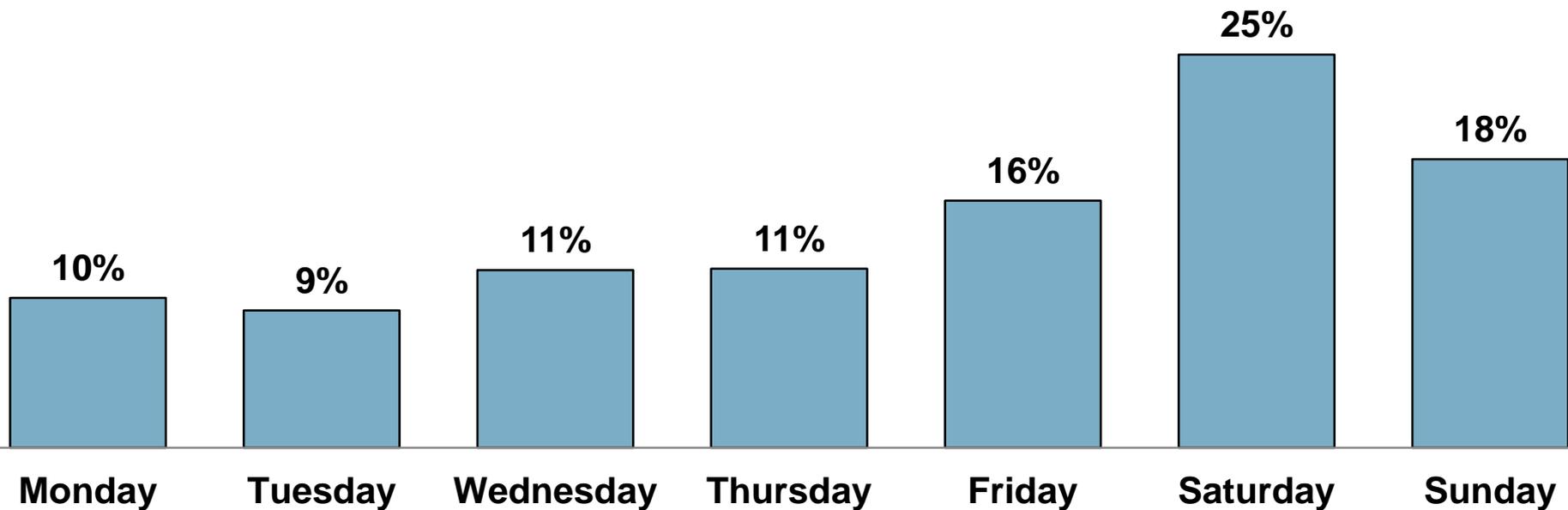
Impaired Driving Crashes (Alcohol &/ or Drugs)

- Fatalities and Serious Injuries by Month -



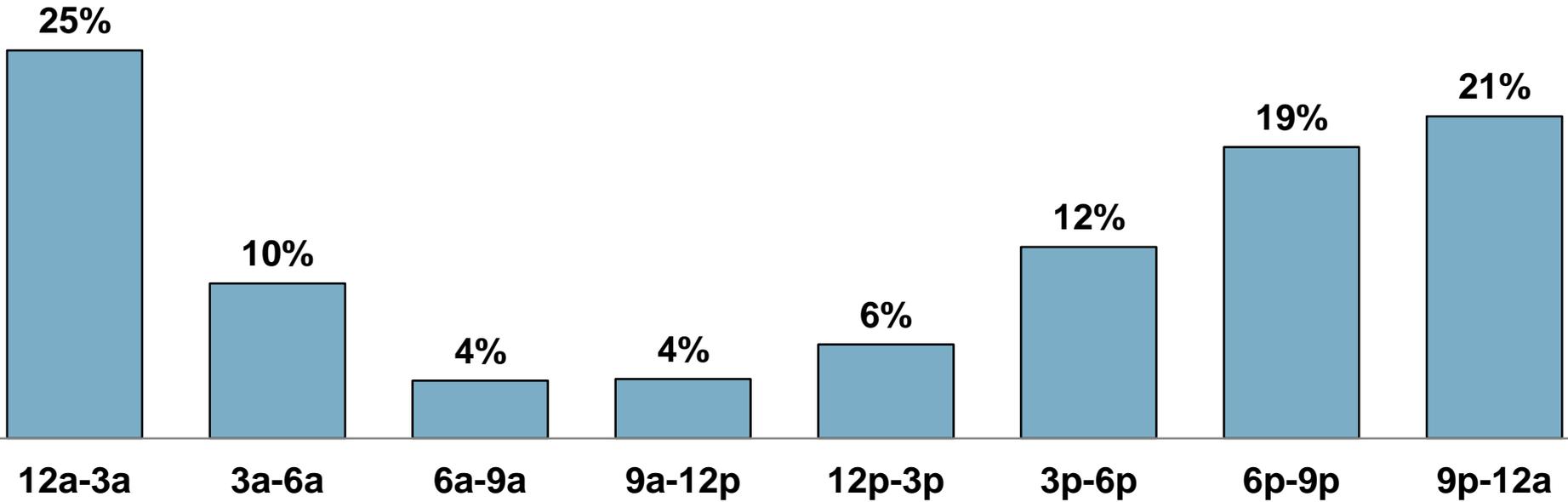
Impaired Driving Crashes (Alcohol &/ or Drugs)

- Fatalities and Serious Injuries by Day of Week -



Impaired Driving Crashes (Alcohol &/or Drugs)

- Fatalities and Serious Injuries by Time of Day -



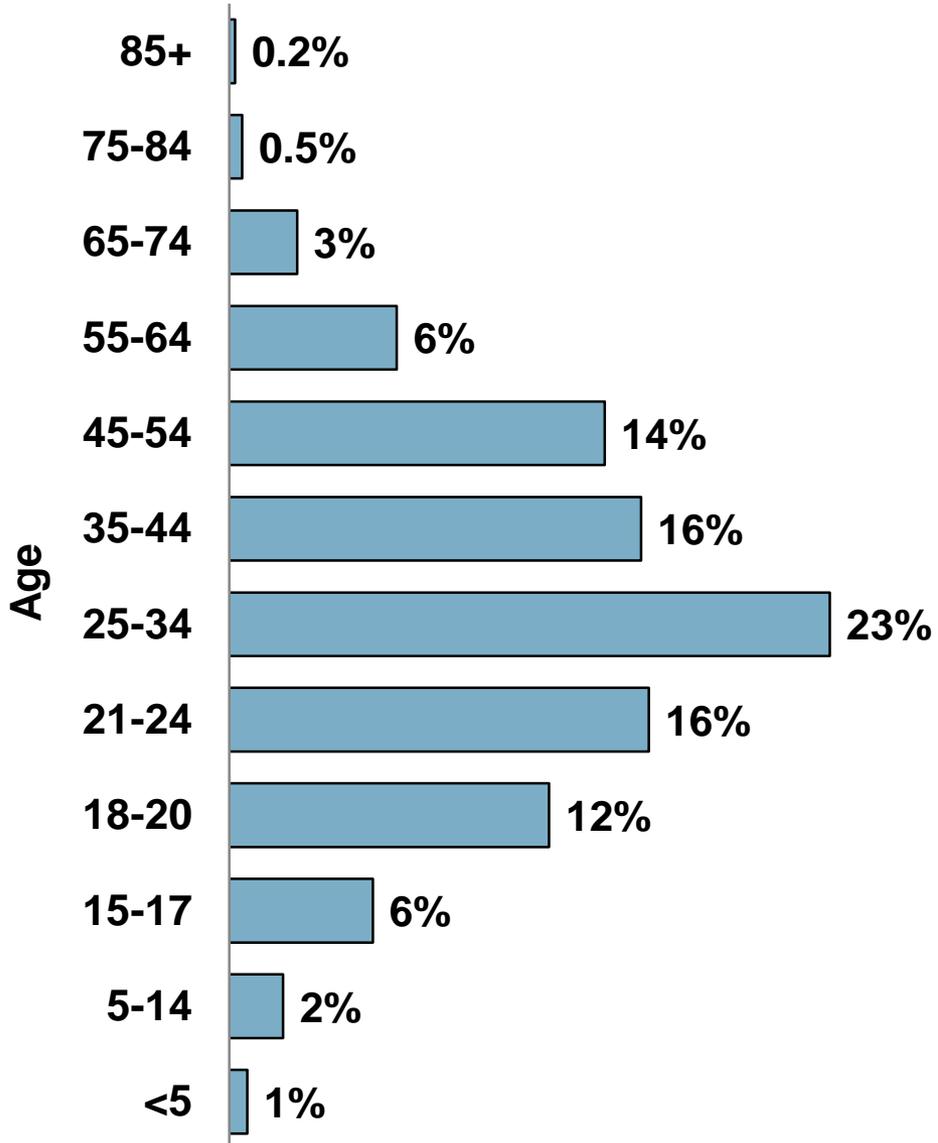
Impaired Driving Crashes (Alcohol &/or Drugs)

- Fatalities and Serious Injuries by Time of Day and Day of Week -

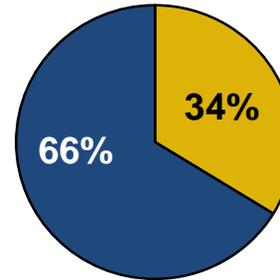
Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
12a-3a	92	99	110	113	125	350	269
3a-6a	25	34	44	43	42	137	137
6a-9a	7	10	26	18	33	47	31
9a-12p	26	10	18	21	19	44	39
12p-3p	28	20	34	34	48	61	55
3p-6p	47	57	66	85	93	121	102
6p-9p	115	84	107	105	156	182	120
9p-12a	103	92	120	110	215	221	100

Impaired Driving Crashes (Alcohol &/or Drugs)

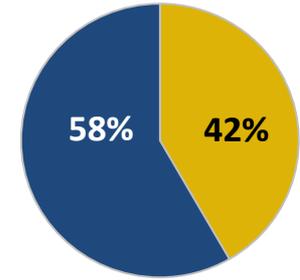
- Fatalities and Serious Injuries by Age and Sex -



People in Impaired Driving Crashes



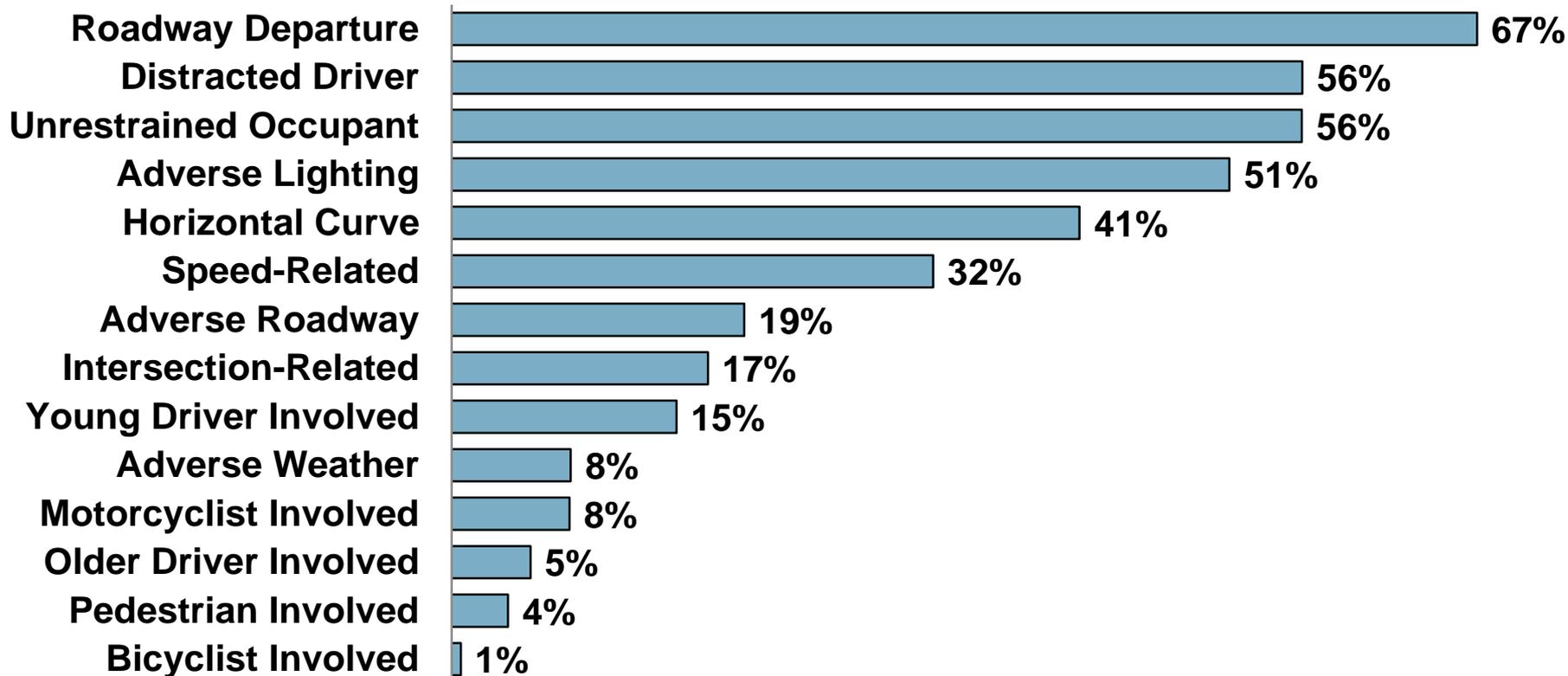
All People in Crashes



Male
Female

Impaired Driving Crashes (Alcohol or Drugs)

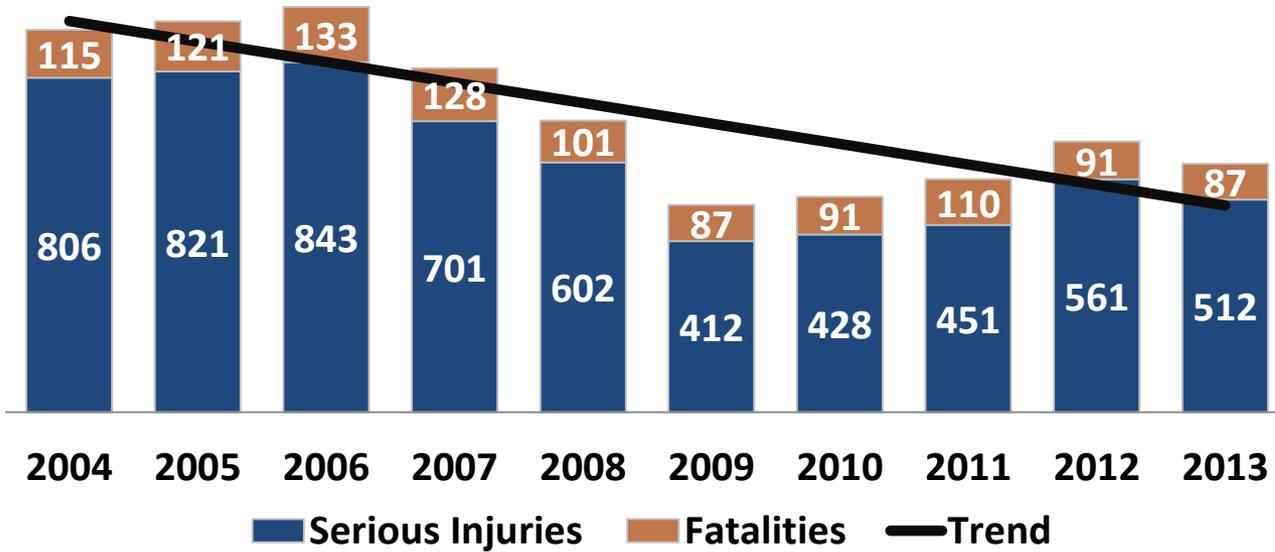
- Fatalities and Serious Injuries by Top Behavioral and Environmental Risk Factors -



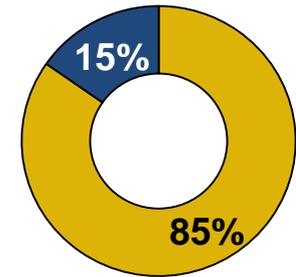
Discussion Group 4: Distracted Driving

Distracted Driving Crashes (Inattentive/Careless/Cell Phone)

- Problem Overview (2004 through 2013) -



Urban and Rural
Fatalities & Serious Injuries



■ Urban ■ Rural

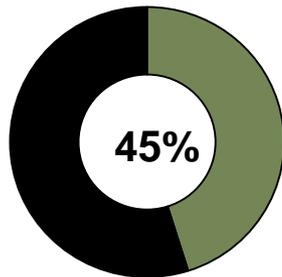
Distracted Driving Crashes (Inattentive/Careless/Cell Phone)

- Crash Severity -

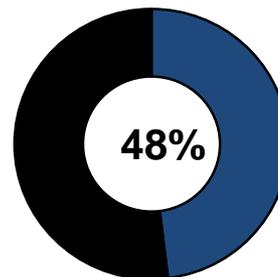
Fatalities & Serious Injuries per 100 Persons



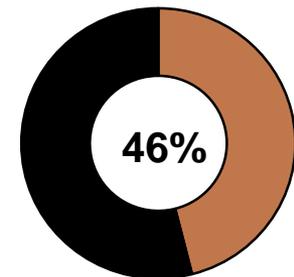
% of People in Crashes



% of Serious Injuries

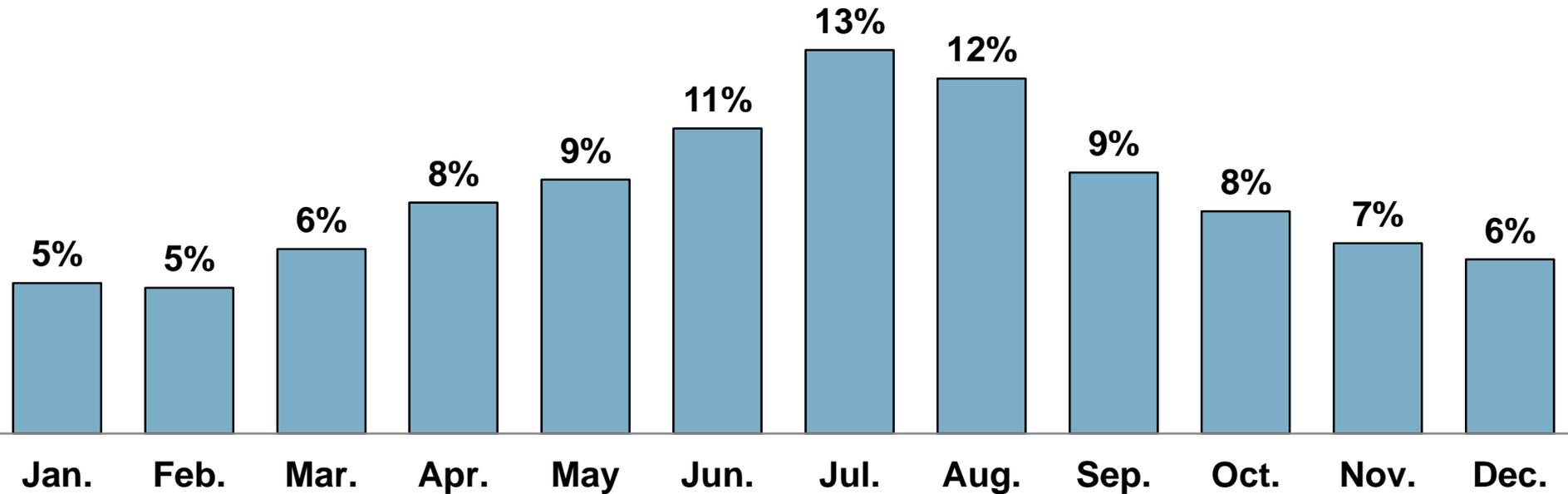


% of Fatalities



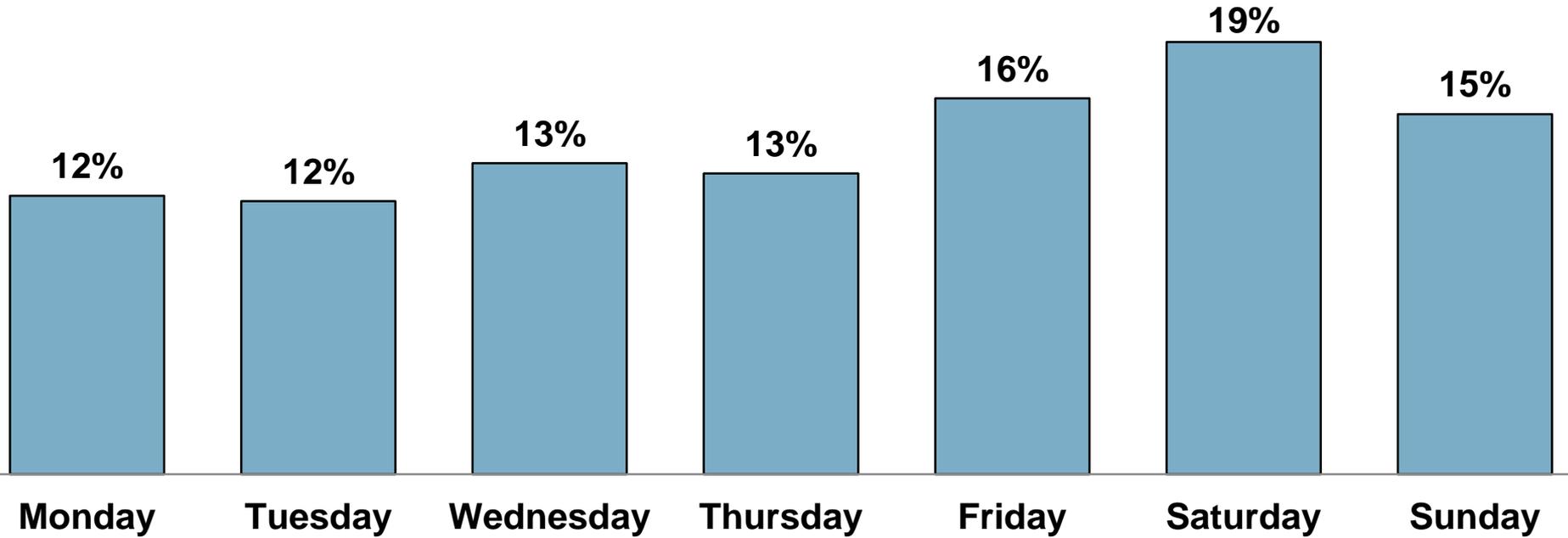
Distracted Driving Crashes (Inattentive/Careless/Cell Phone)

- Fatalities and Serious Injuries by Month -



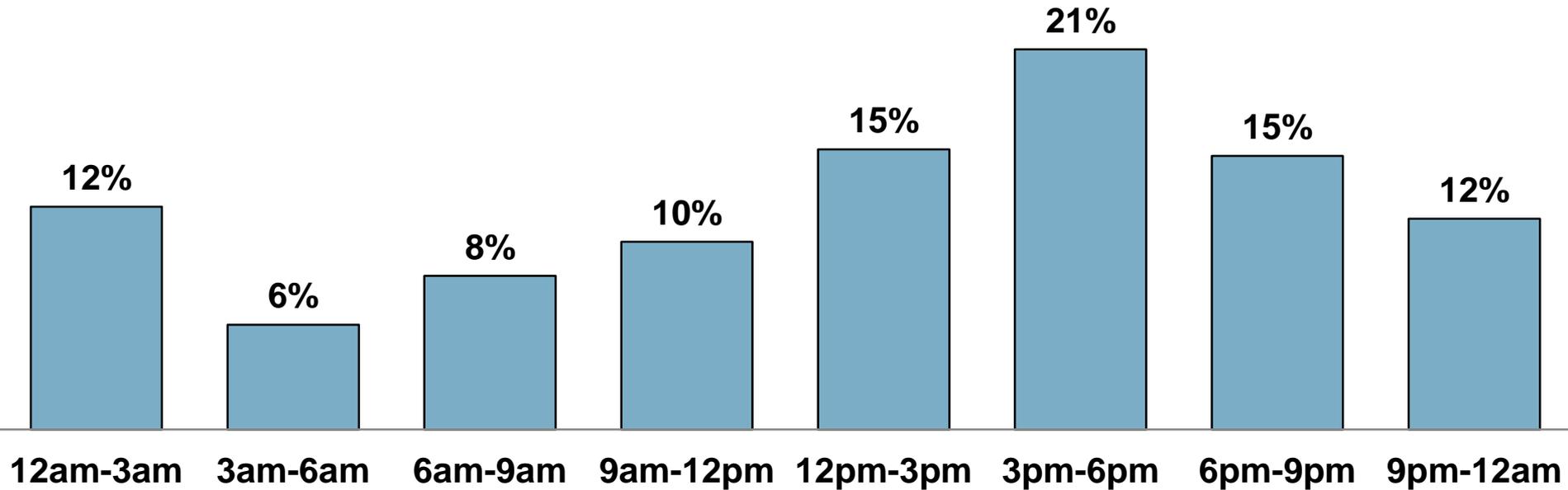
Distracted Driving Crashes (Inattentive/Careless/Cell Phone)

- Fatalities and Serious Injuries by Day of Week -



Distracted Driving Crashes (Inattentive/Careless/Cell Phone)

- Fatalities and Serious Injuries by Time of Day -



Distracted Driving Crashes (Inattentive/Careless/Cell Phone)

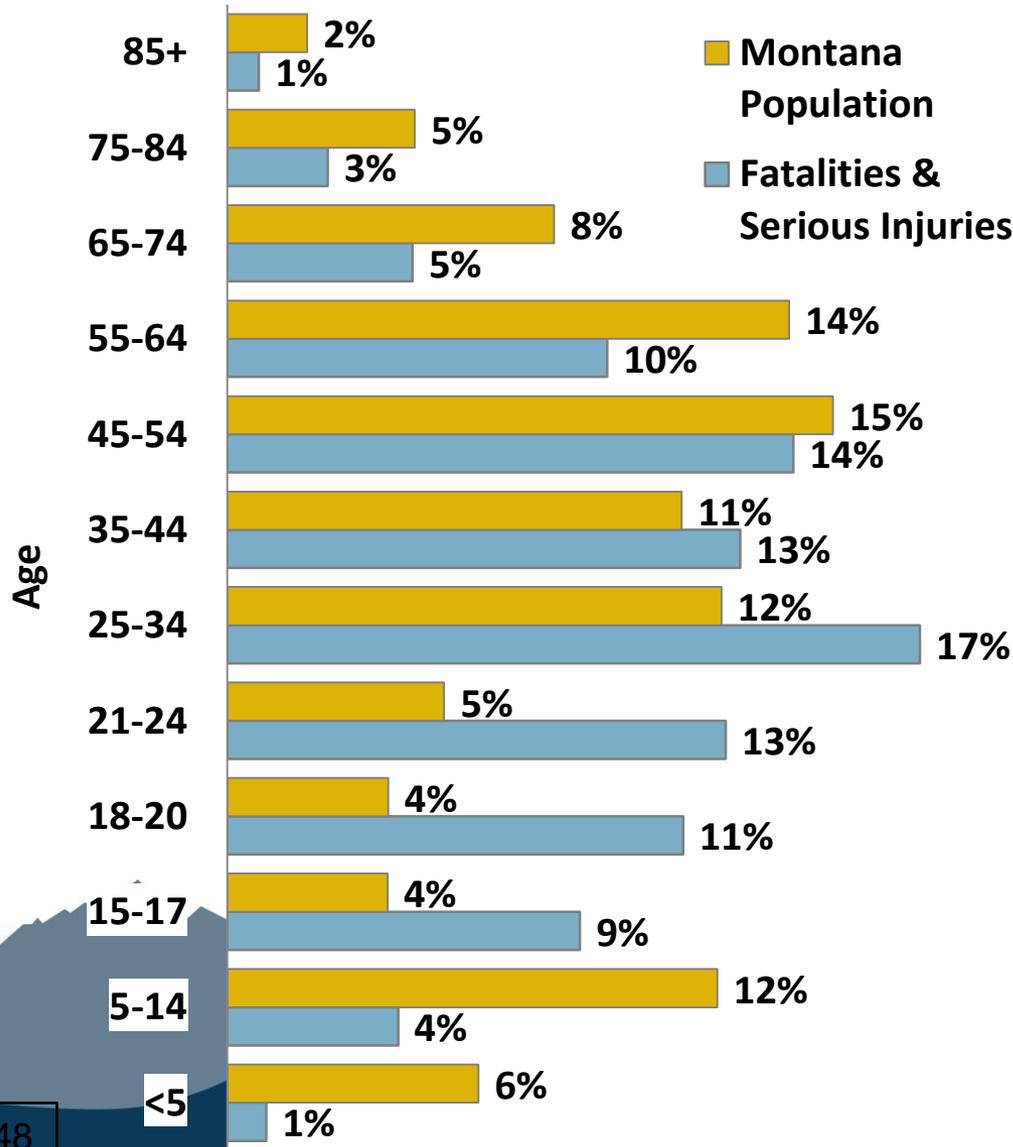
- Fatalities and Serious Injuries by Time of Day and Day of Week -

Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
12am-3am	93	72	75	96	107	236	206
3am-6am	23	37	43	51	35	109	118
6am-9am	96	95	99	93	103	71	53
9am-12pm	92	95	117	97	104	136	104
12pm-3pm	146	125	143	142	183	189	184
3pm-6pm	182	235	200	226	246	217	204
6pm-9pm	156	111	165	134	174	204	142
9pm-12am	72	73	119	90	209	173	101

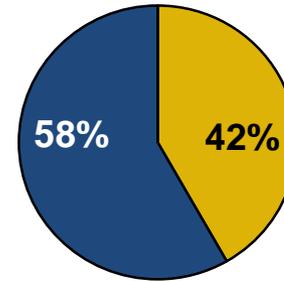


Distracted Driving Crashes (Inattentive/Careless/Cell Phone)

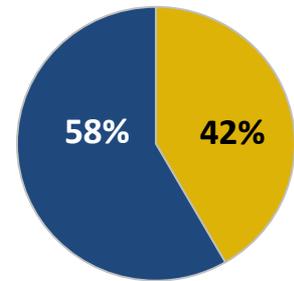
- Fatalities and Serious Injuries by Age and Gender -



People in Distracted Driving Crashes



All People in Crashes



Male
Female

Distracted Driving Crashes (Inattentive/Careless/Cell Phone)

- Fatalities and Serious Injuries by Top Behavioral and Environmental Risk Factors -

