



Louisiana Traffic Records Data Report 2013

LSU

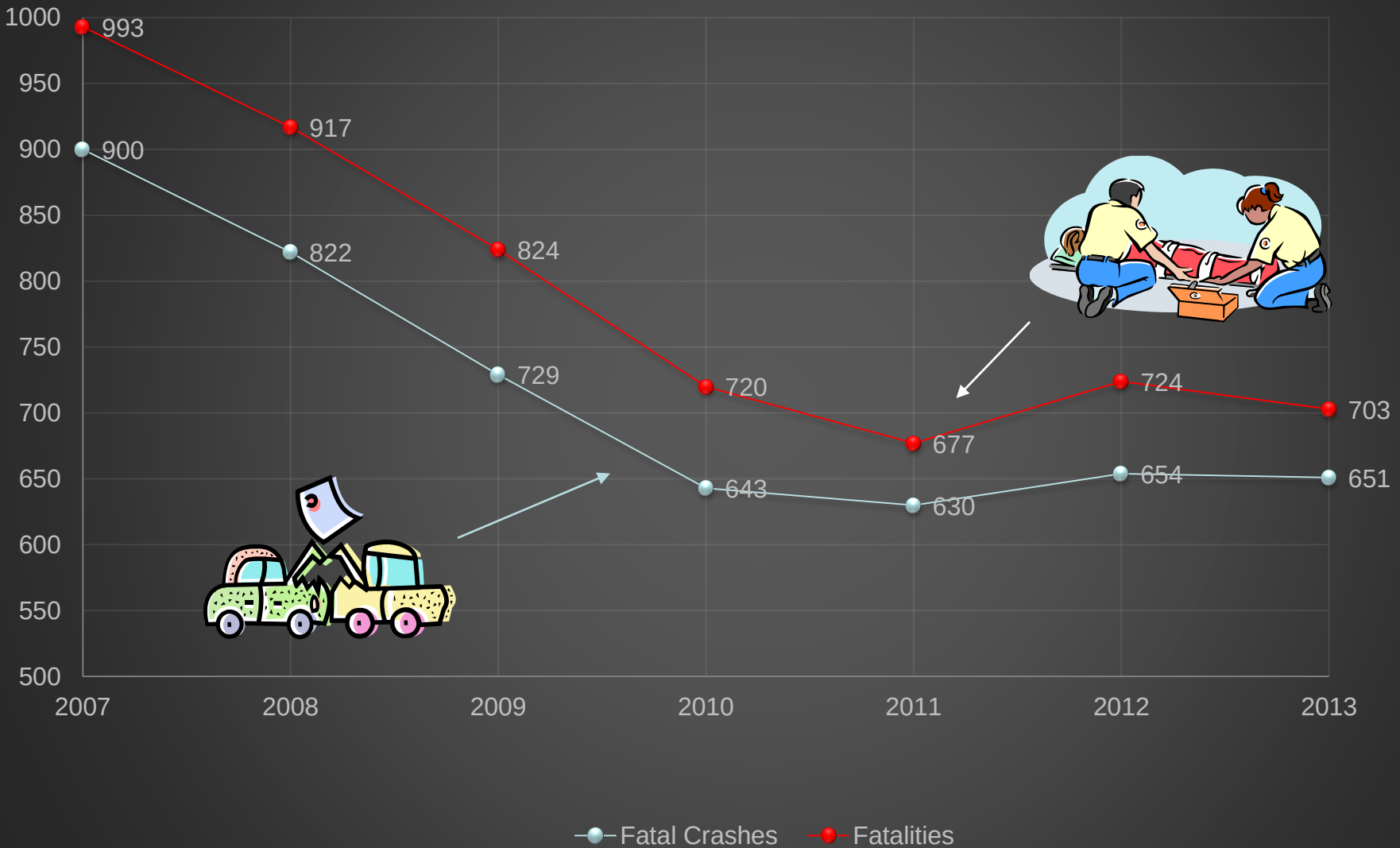


Highway Safety Research Group

hsrg.lsu.edu
datareports.lsu.edu

Dr. Helmut Schneider

Fatalities and Fatal Crashes decreased in 2013

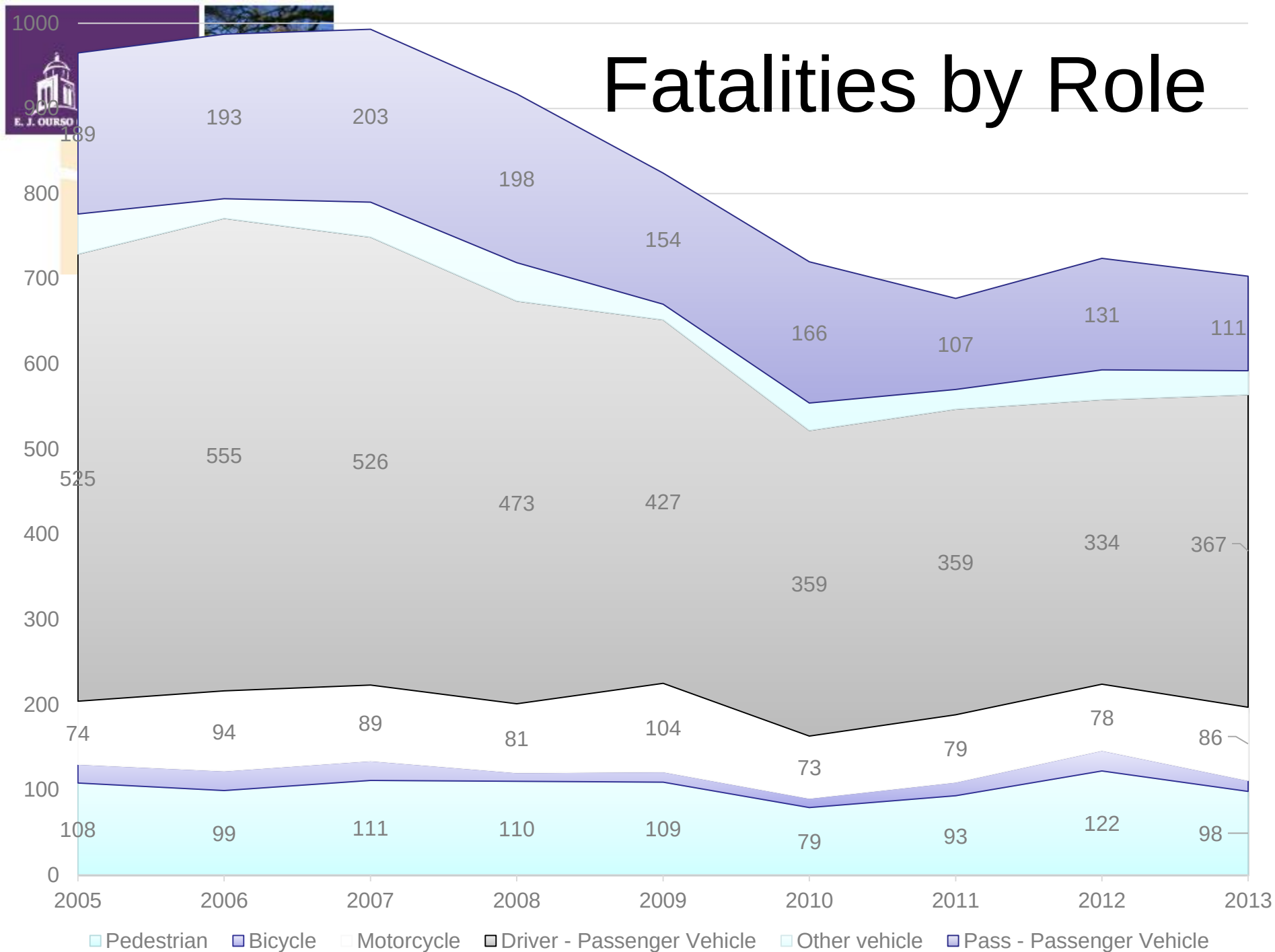




Fatalities per 100 Million Miles



Fatalities by Role



120%

Percentage of Fatalities by Role

100%

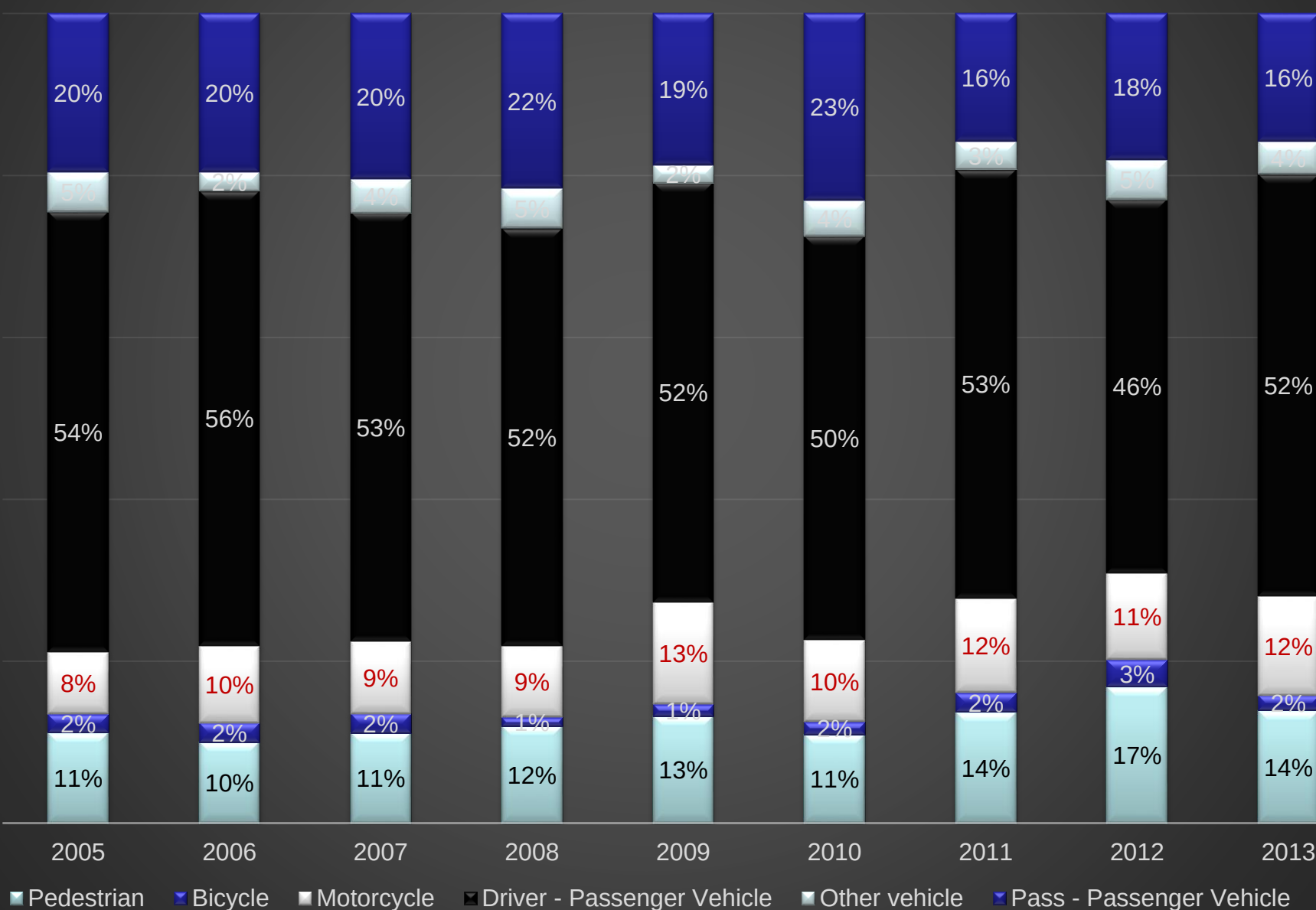
80%

60%

40%

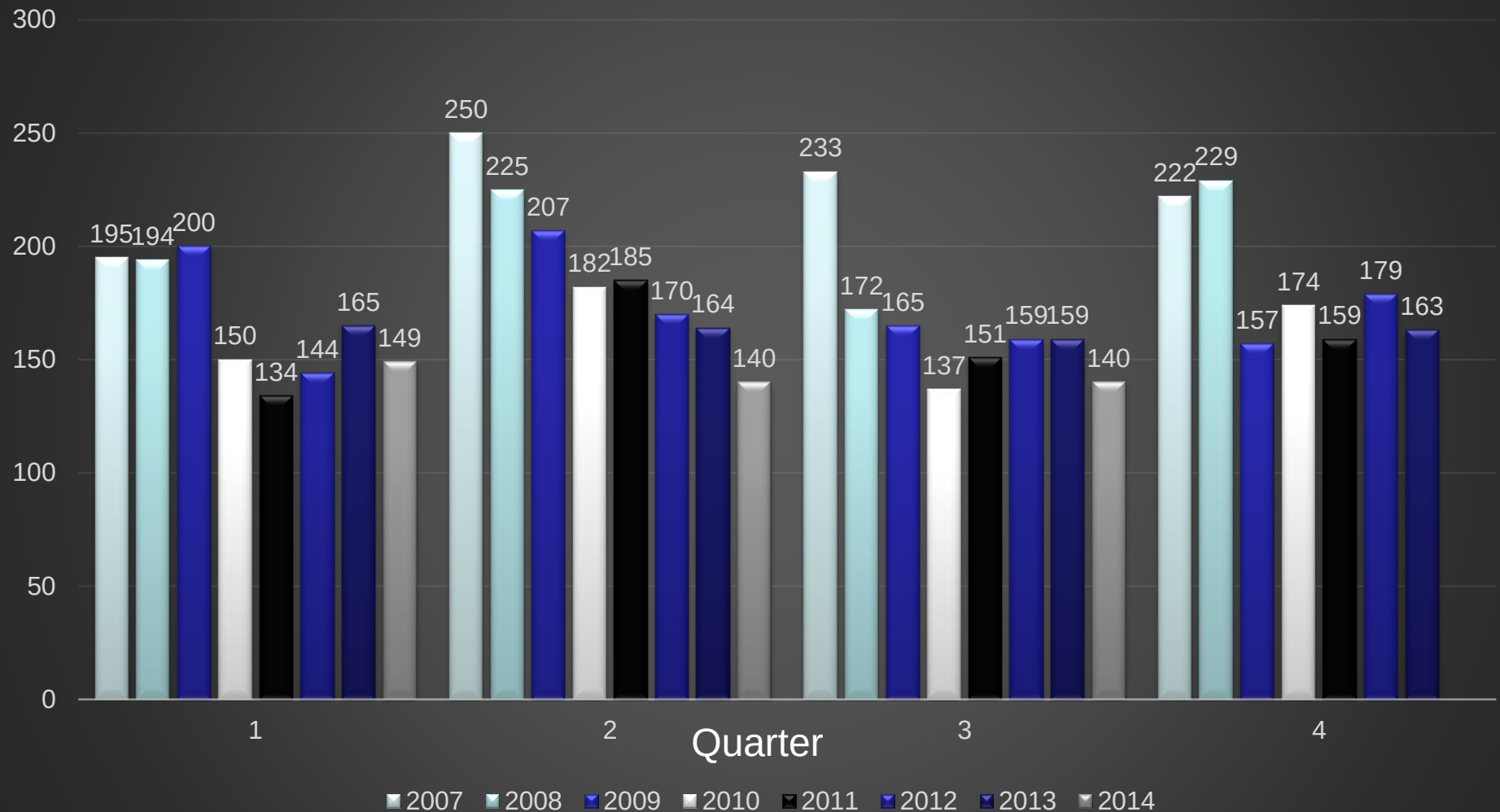
20%

0%

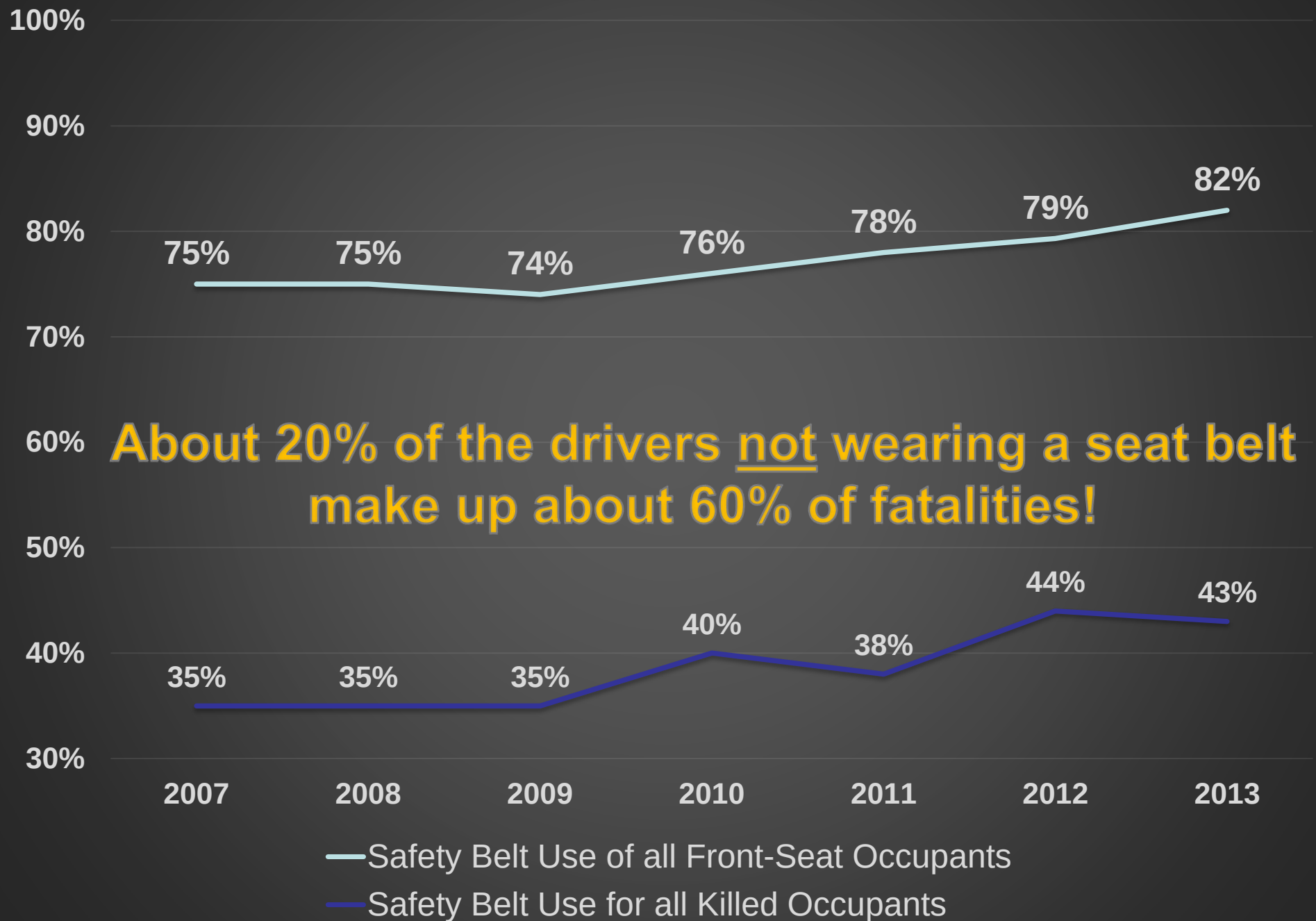




Fatal Crashes by Quarter 2007-2014



Safety Belt Usage



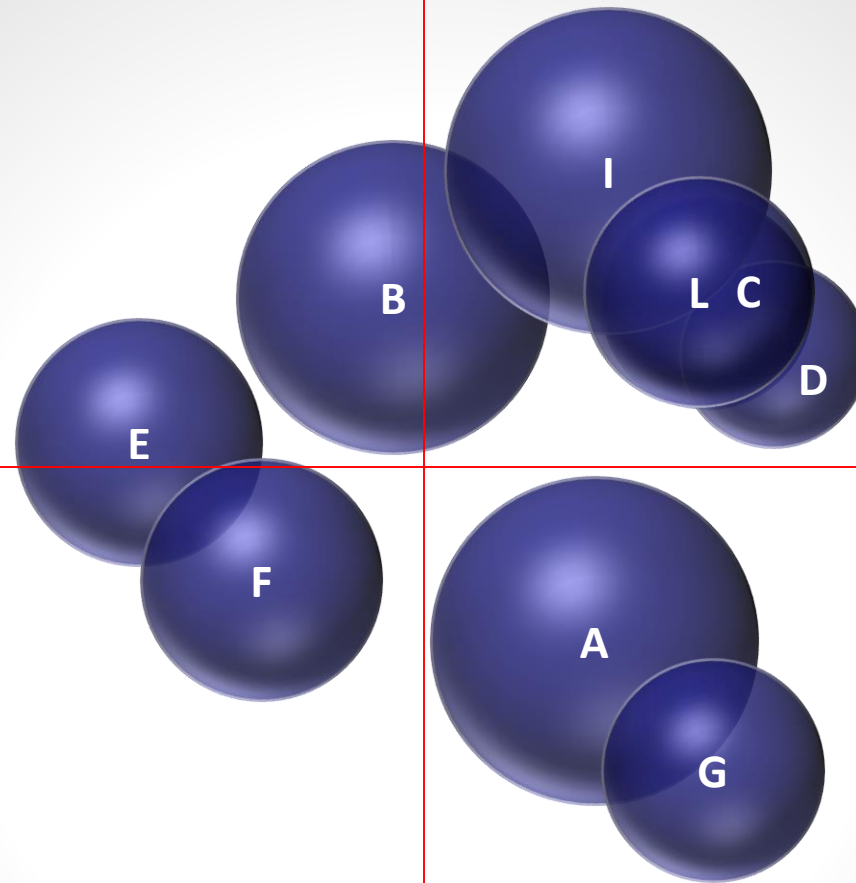
Alcohol-Related Fatal Crashes versus Seat Belt Use

% Alcohol-Related Fatal Crashes

60%
55%
50%
45%
40%
35%
30%
25%
20%
15%

60.0% 65.0% 70.0% 75.0% 80.0% 85.0% 90.0% 95.0% 100.0%

Seat Belt Use



A (EBR)
B (NO)
C (Houma)
D (Lake Charles)
E (Alexandria)
F (Monroe)
G (Shreveport)
I (Lafayette)
L (Hammond)

Fatal Alcohol-Related and Non-Seat Belt Use Fatality Rates

Alcohol-Related Fatalities Per 100,000 Drivers

20

18

16

14

12

10

8

6

4

2

0

0

5

10

15

20

25

30

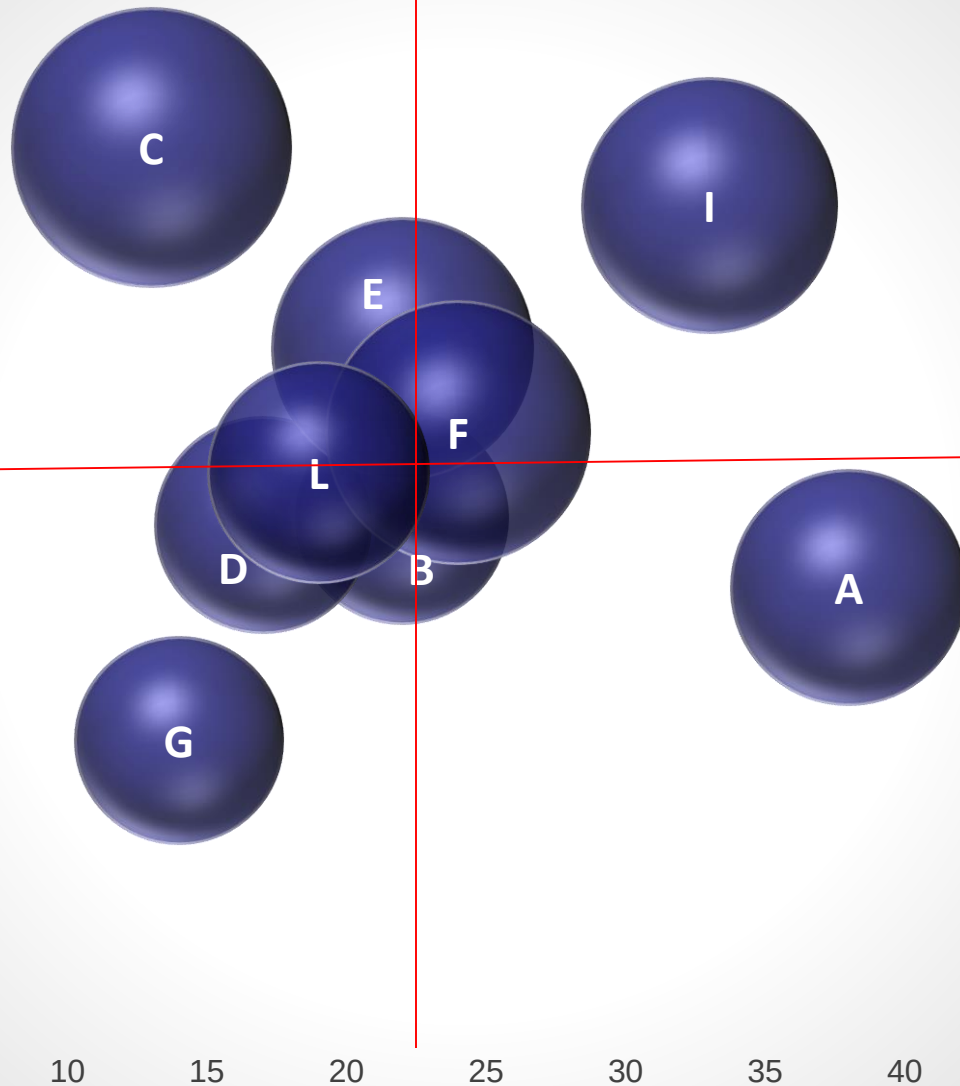
35

40

45

50

Fatalities without Seat Belt Per 100,000 Drivers



A (EBR)

B (NO)

C (Houma)

D (Lake Charles)

E (Alexandria)

F (Monroe)

G (Shreveport)

I (Lafayette)

L (Hammond)

Alcohol Related Fatal Crashes versus DWI Arrests

Alcohol-Related Fatalities
per 100,000 licensed Drivers

21

16

11

6

1

400

500

600

700

800

900

1,000

DWI Arrest Rate per 100,000 Licensed Drivers

A (EBR)

B (NO)

C (Houma)

D (Lake Charles)

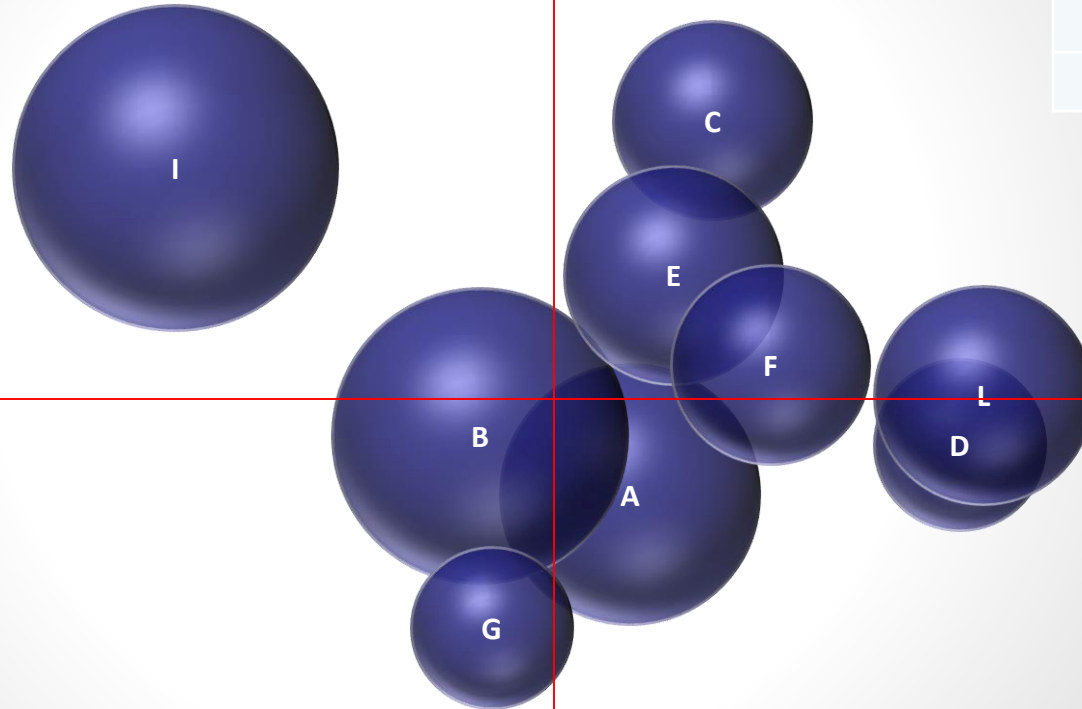
E (Alexandria)

F (Monroe)

G (Shreveport)

I (Lafayette)

L (Hammond)

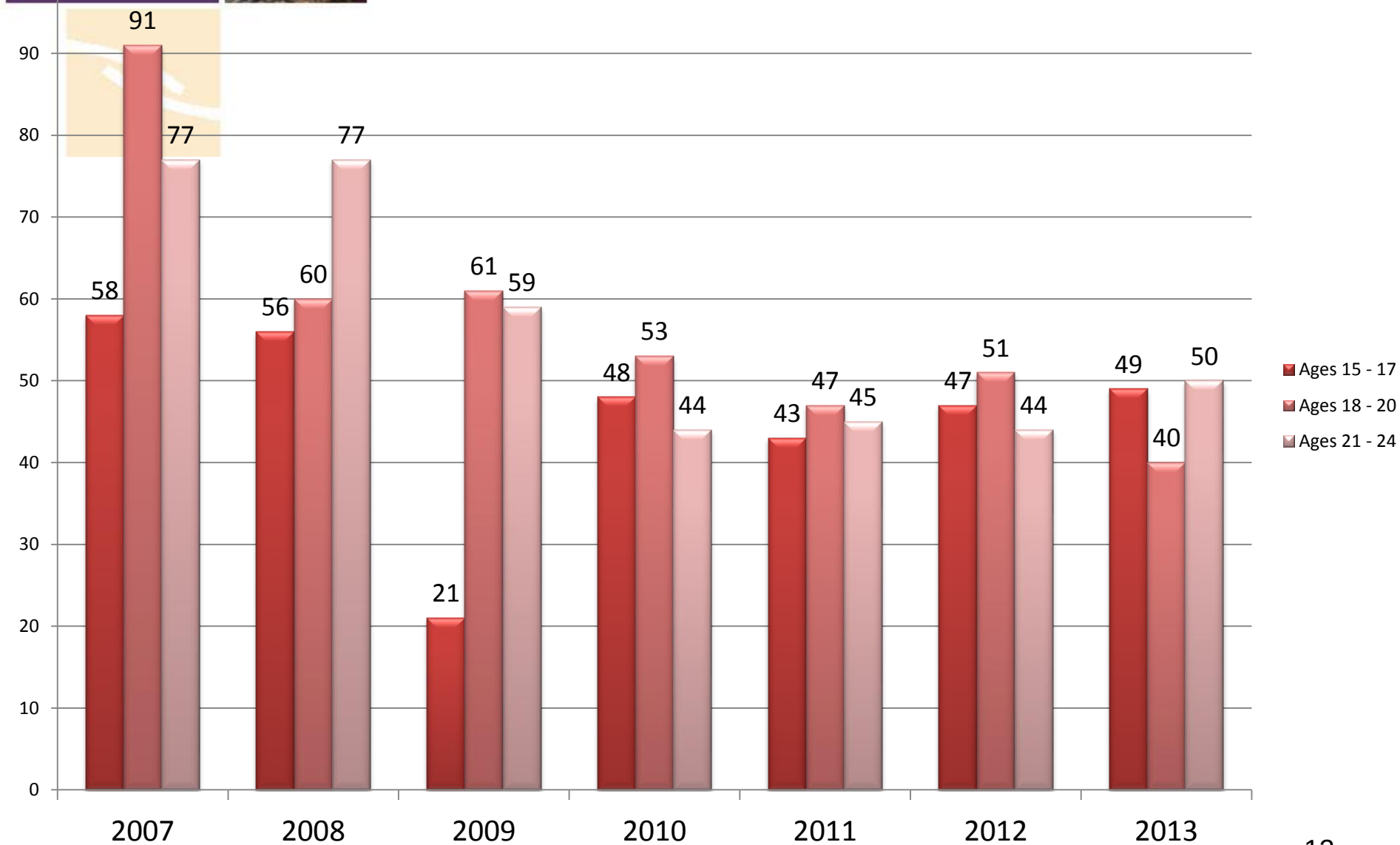




Fatalities By Troop Area and Difference to 2012

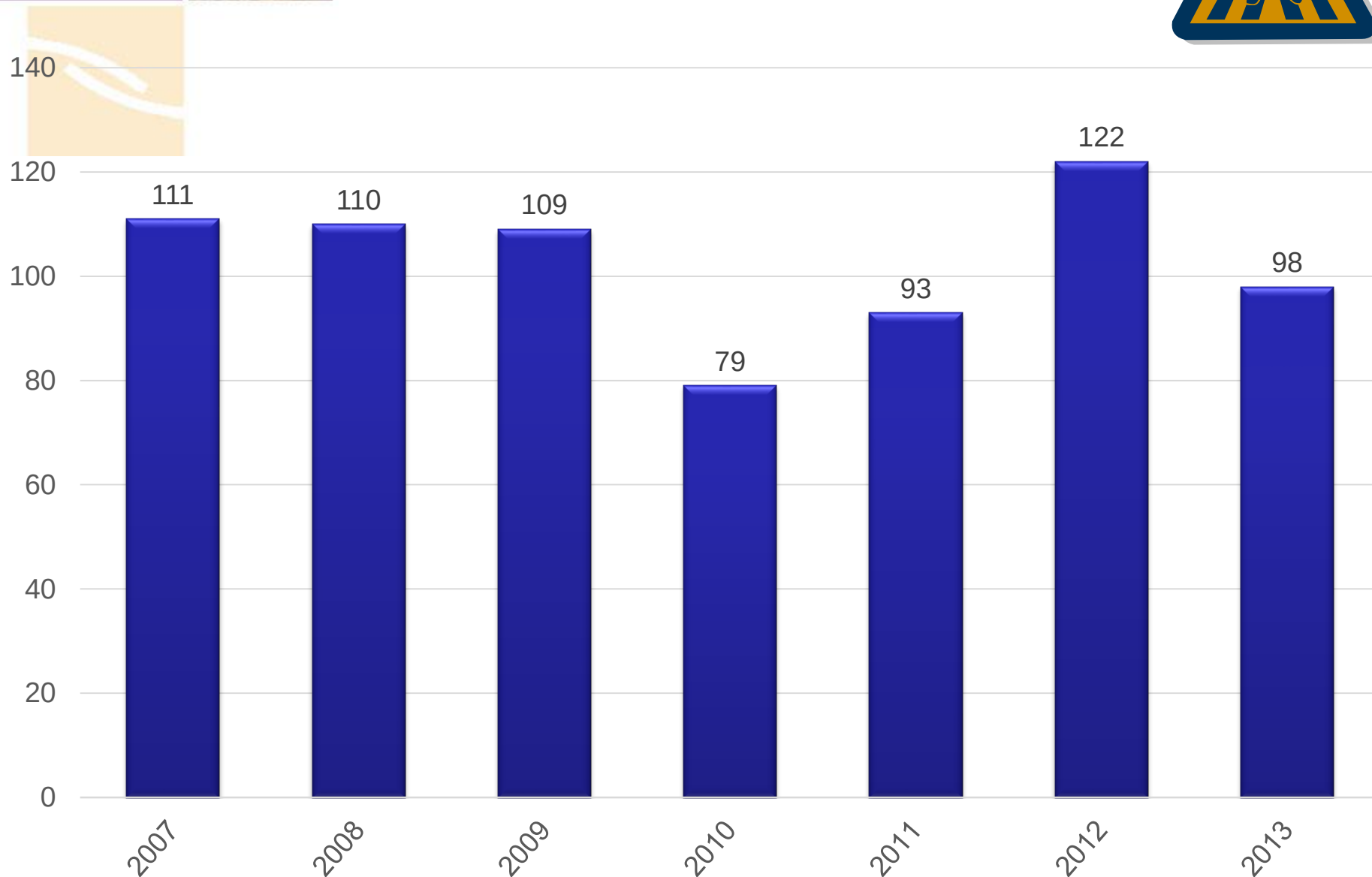
Troop	Number of Fatalities	Diff Fatalities
<i>A (EBR)</i>	123	(29)
<i>B (NO)</i>	112	25
<i>C (Houma)</i>	51	9
<i>D (Lake Charles)</i>	40	(12)
<i>E (Alexandria)</i>	70	(17)
<i>F (Monroe)</i>	67	18
<i>G (Shreveport)</i>	57	(13)
<i>I (Lafayette)</i>	122	12
<i>L (Hammond)</i>	61	(12)

Youth Fatality Rate (Per 100,000 Licensed Drivers)





Pedestrian Fatalities





Pedestrian Fatalities by Parish

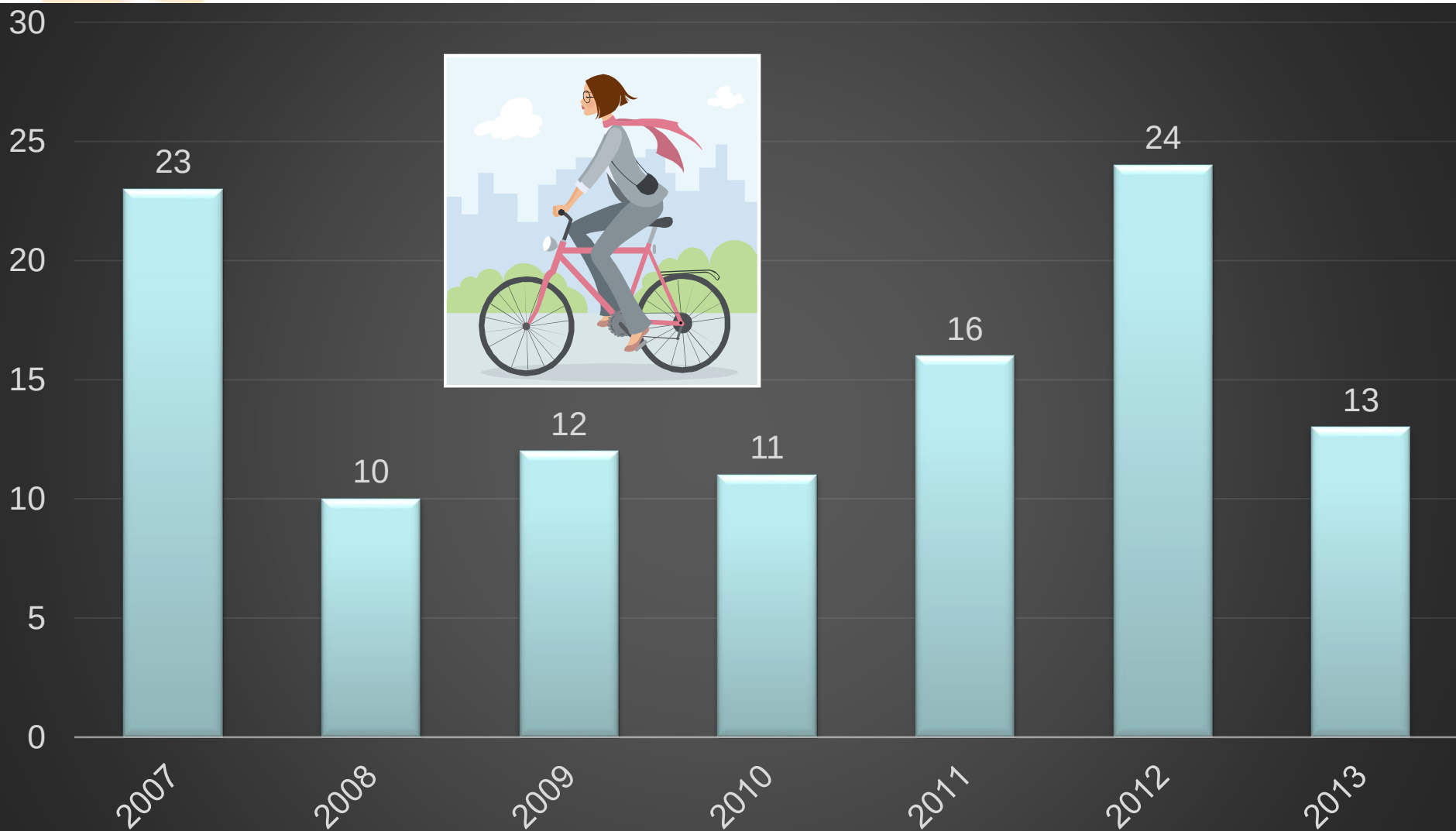
Parish	2008	2009	2010	2011	2012	2013	5-year Average	Per Lic Driv
East Baton Rouge	8	9	13	10	11	11	11	4
Orleans	12	15	1	8	7	14	9	5
Jefferson	10	11	3	1	14	3	6	2
Calcasieu	3	9	6	2	8	2	5	3
Caddo	4	3	4	6	5	5	5	3
Lafayette	7	7	4	5	4	3	5	3
Rapides	5	3	3	6	5	3	4	5
St. Landry	1	1	1	4	6	6	4	6
Livingston	2	2		1	5	3	3	3
West Baton Rouge	1	2	1		5	1	2	13



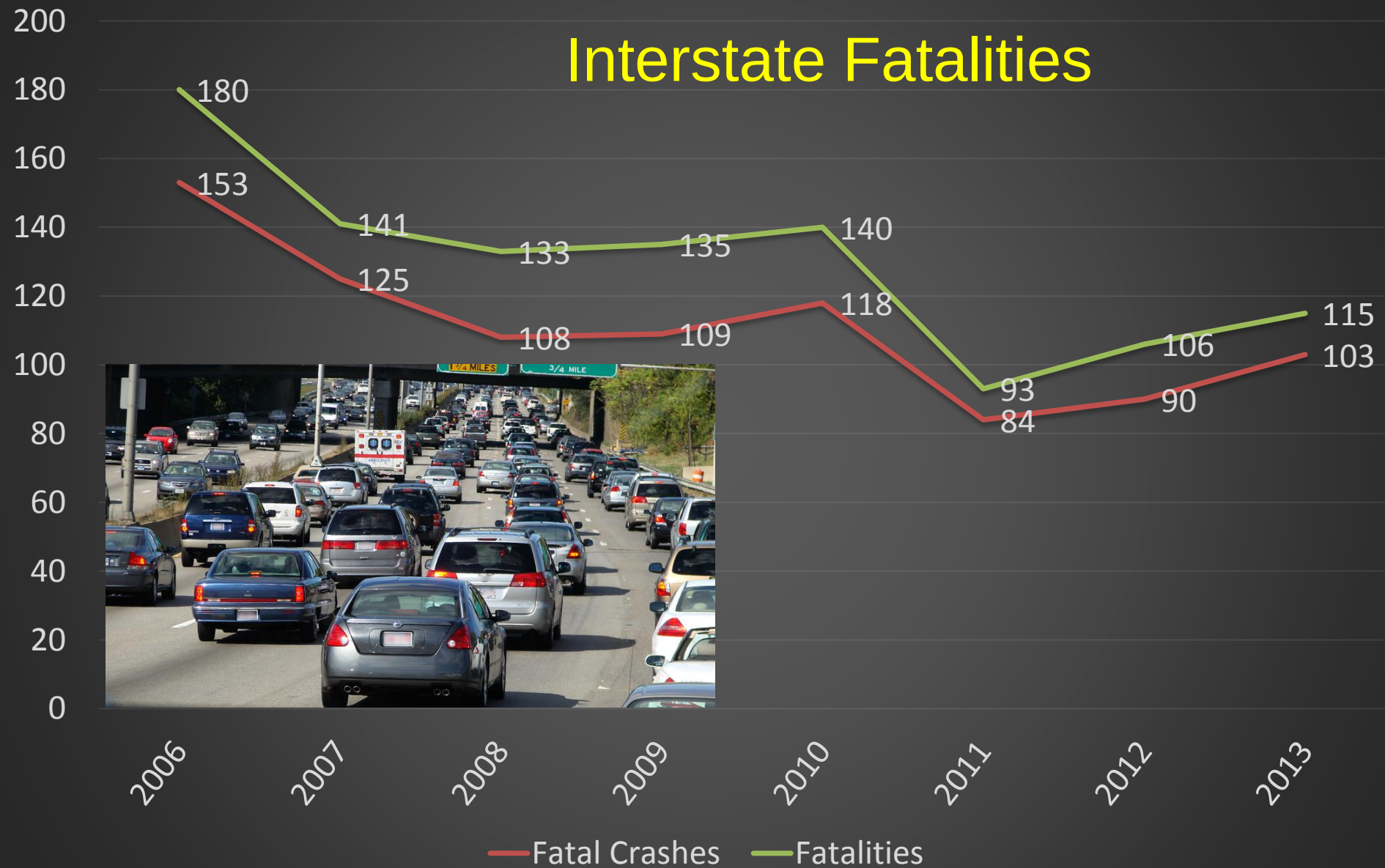
Pedestrian Fatalities by Time of Day

Crash Hours	2008	2009	2010	2011	2012	2013	2014	5-year Average
Midnight-6am	32	35	27	19	34	34	31	29
6am-noon	13	11	10	12	12	12	6	10
Noon-6pm	16	14	9	11	13	13	11	11
6pm-midnight	49	49	33	51	62	62	50	52

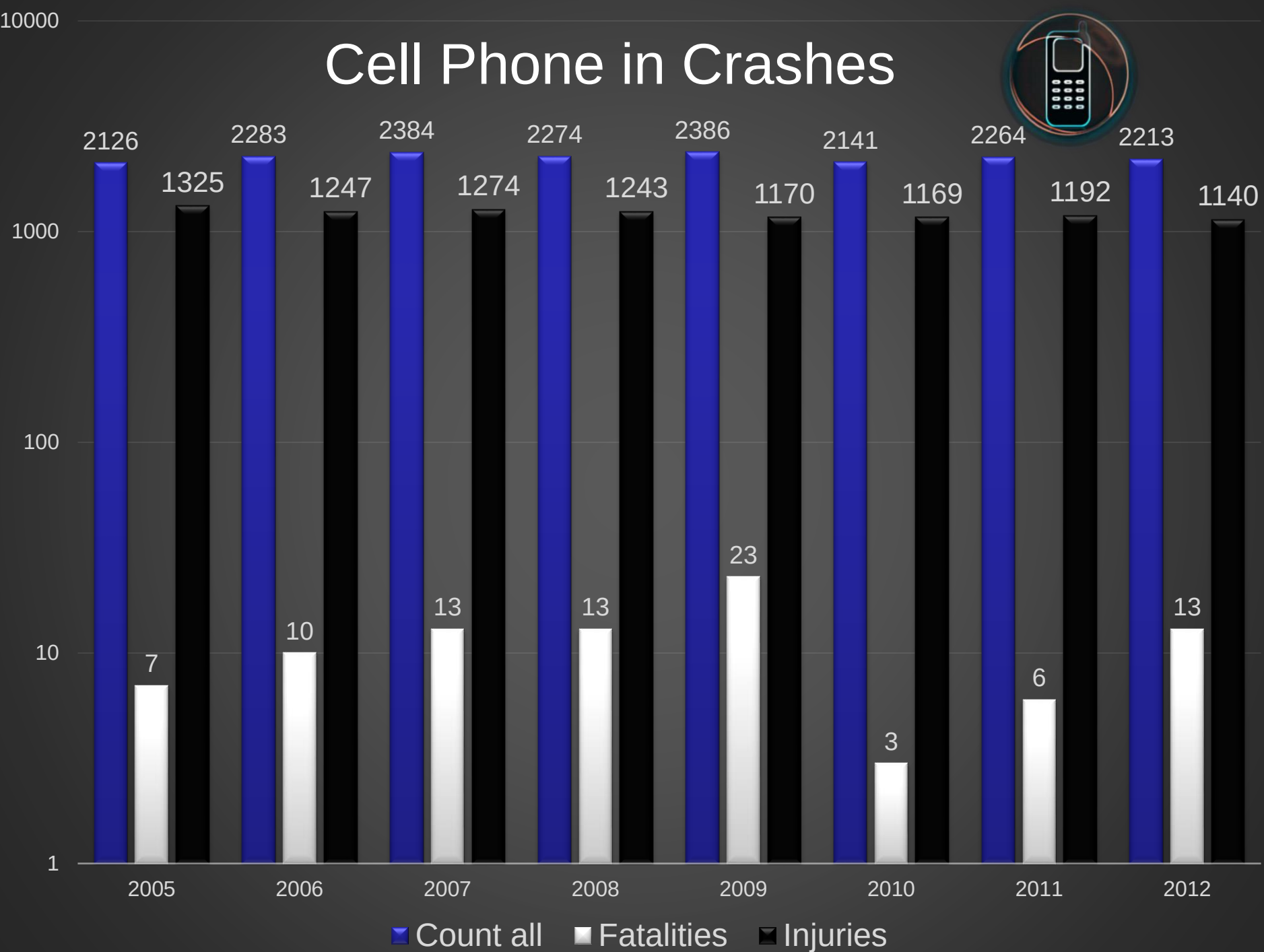
Bicycle Fatalities



Interstate Fatalities



Cell Phone in Crashes





Other Trends

- Trains:
 - fatalities 5 (+1 from 2012)



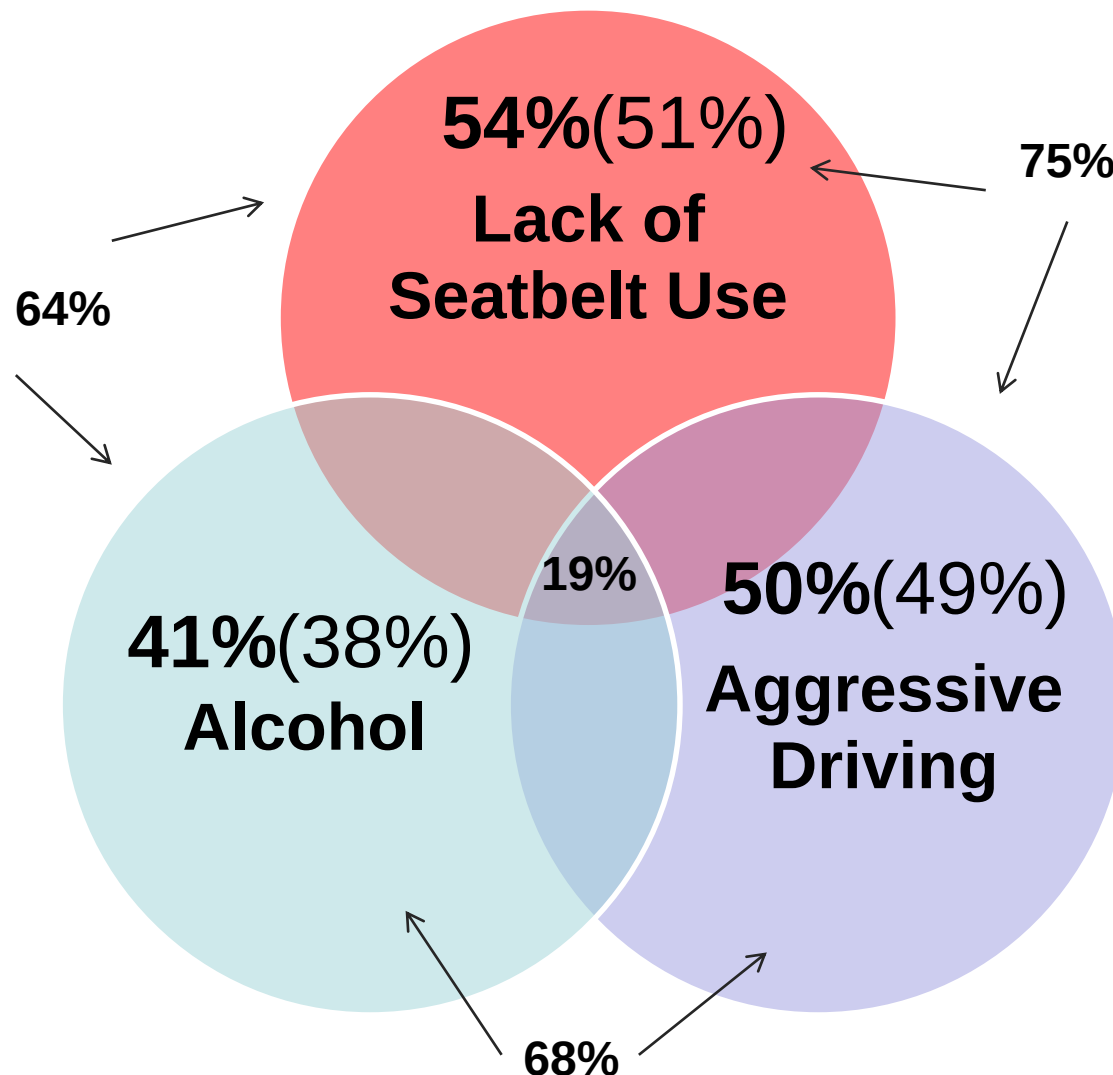
- Motorcycle:
 - fatalities 86 (+8 from 2012)





Pareto: The 80-20 Rule

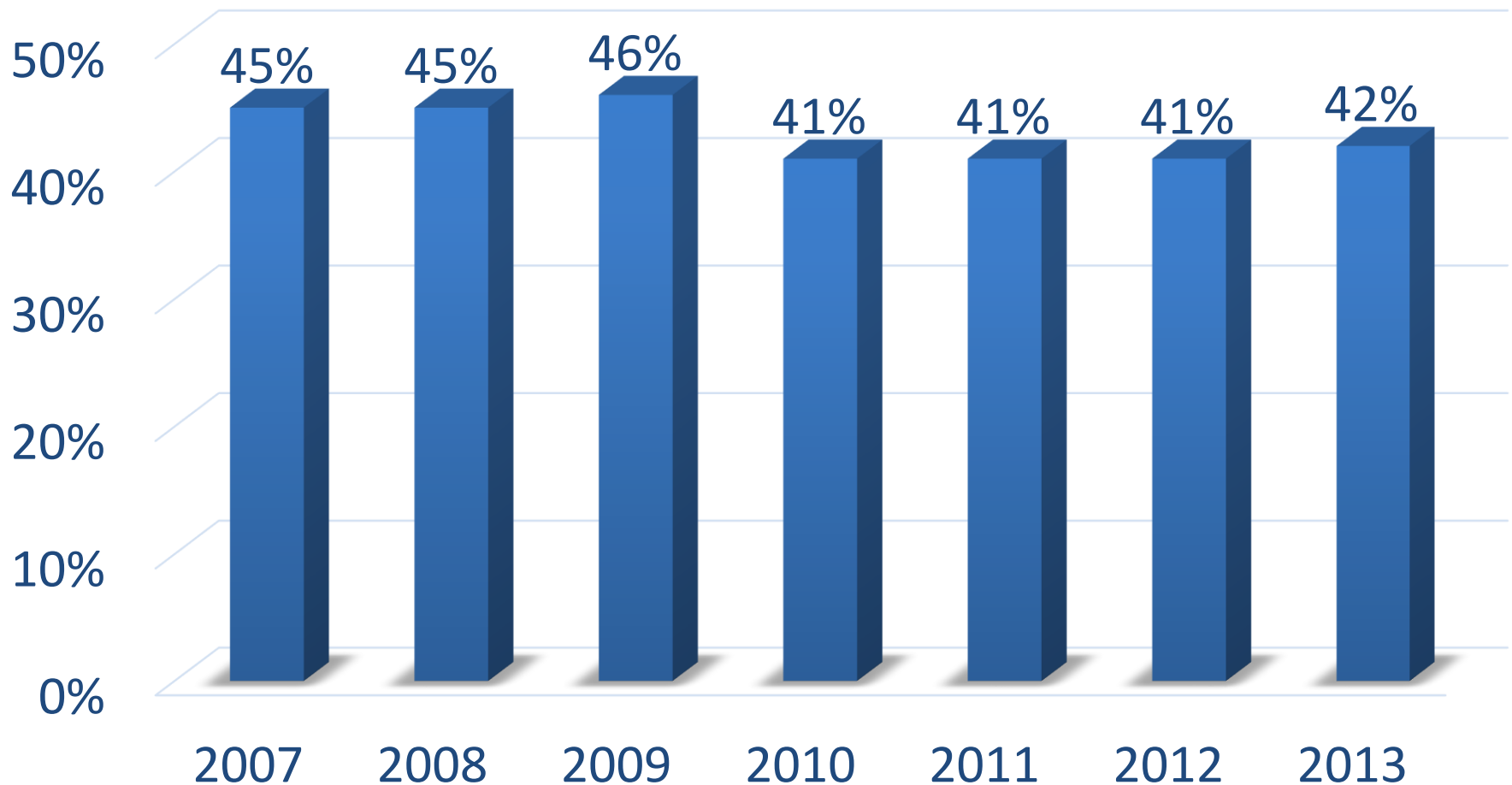
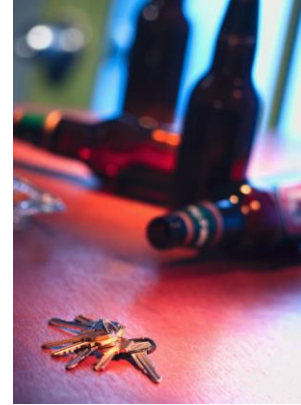
Over 80% (79%) of driver fatalities involved one of these three factors of the driver killed.



Includes only cars, PKUP, SUV and Vans. 2012 values in parentheses.

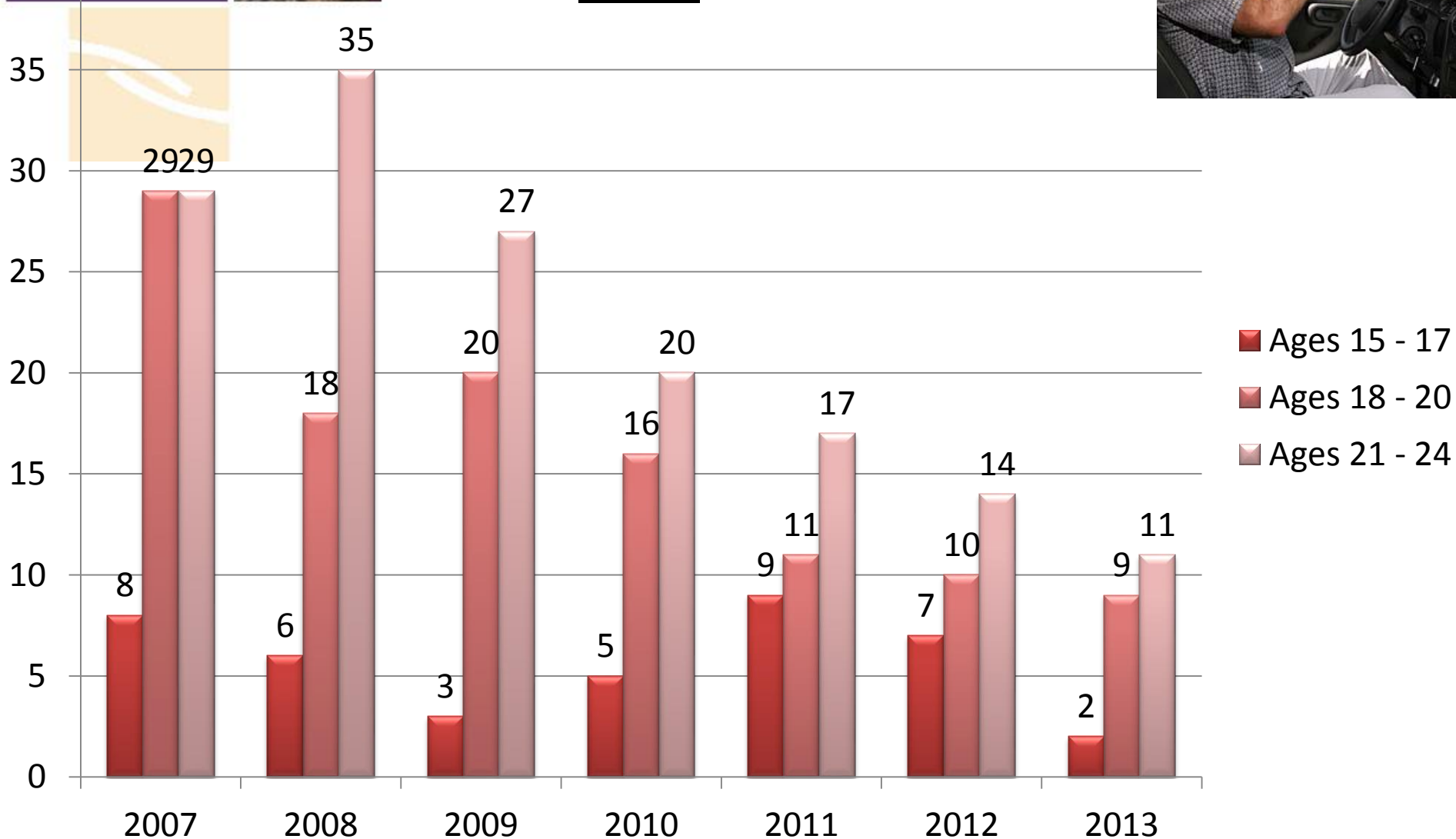


Percent Alcohol Related Fatalities (LA)



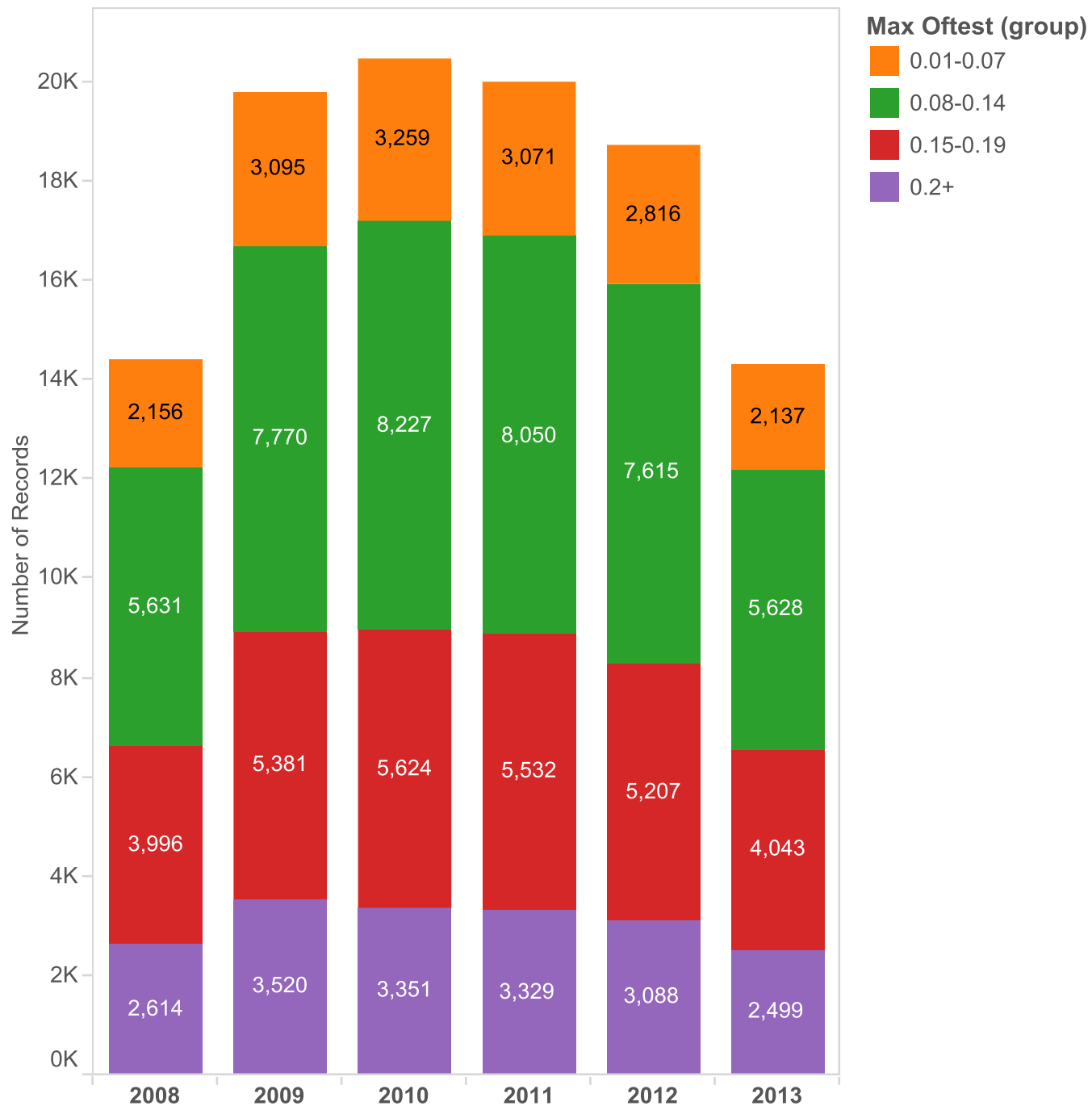


Youth Fatal Alcohol-Related Crash Rate



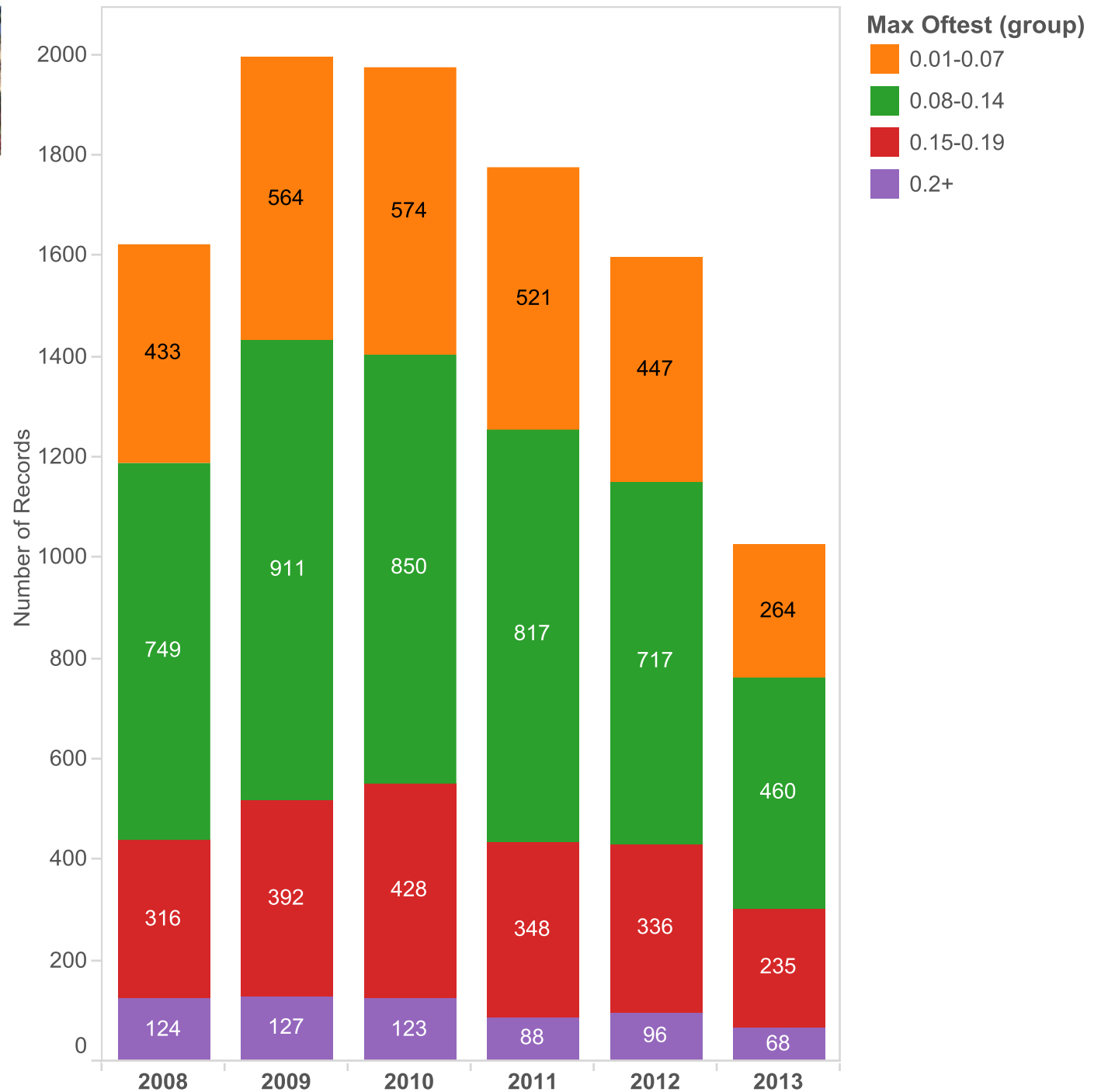


DWI COBRA Arrests with BAC>0.01





Ages 15-20 DWI COBRA Arrests with BAC>0.01





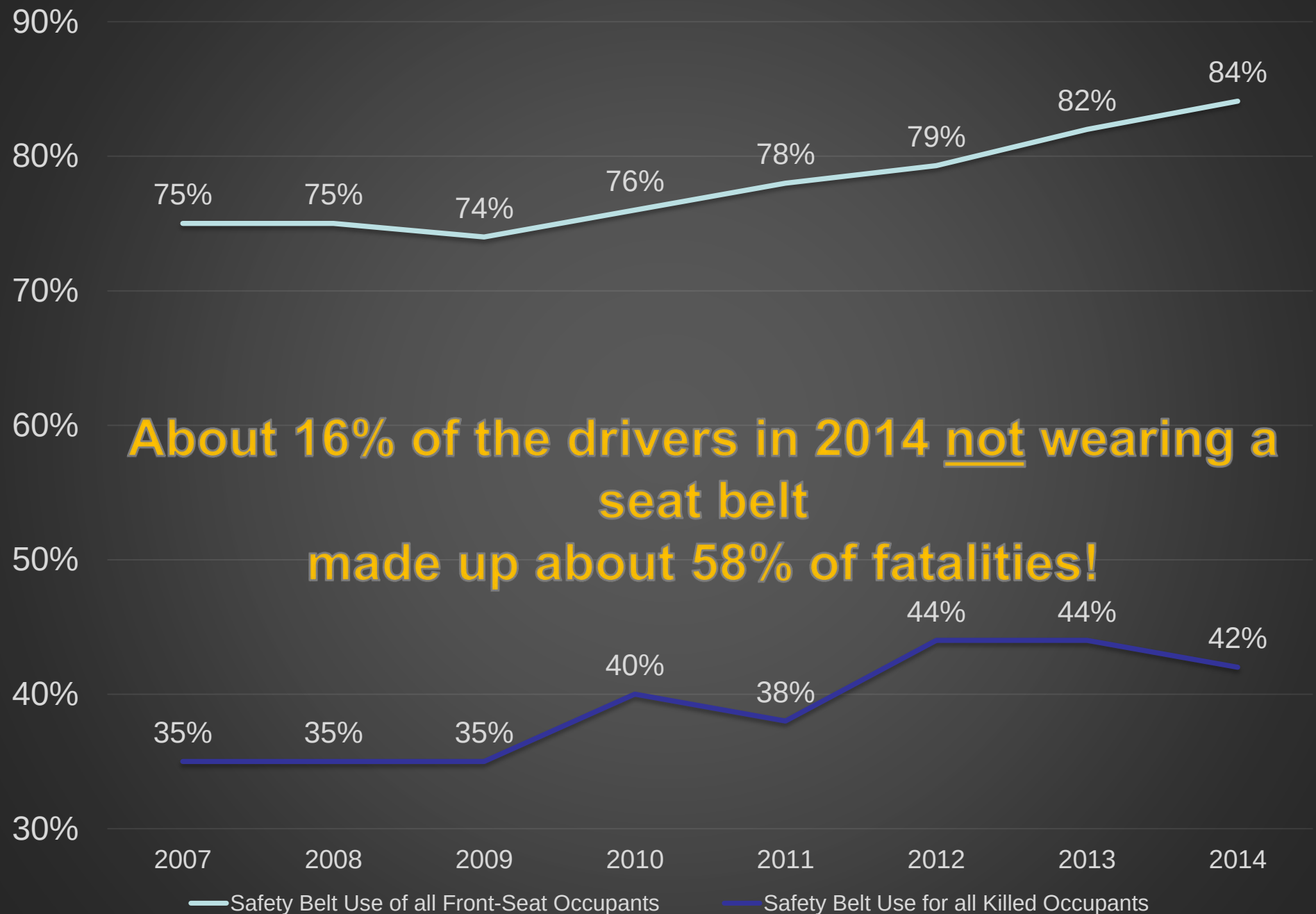
Alcohol Fatal Crashes by Troop Area

Troop	Non-Alcohol	Alcohol	Number of Fatalities	% Alcohol-Related Fatalities	Diff Fatalities 2013-2012	Diff Alcohol 2013-2012
<i>A (EBR)</i>	82	41	123	33%	(29)	(29)
<i>B (NO)</i>	59	53	112	47%	25	9
<i>C (Houma)</i>	27	24	51	47%	9	4
<i>D (Lake Charles)</i>	22	18	40	45%	(12)	(1)
<i>E (Alexandria)</i>	41	29	70	41%	(17)	(2)
<i>F (Monroe)</i>	43	24	67	36%	18	8
<i>G (Shreveport)</i>	41	16	57	28%	(13)	1
<i>I (Lafayette)</i>	58	64	122	52%	12	8
<i>L (Hammond)</i>	32	29	61	48%	(12)	3

Safety

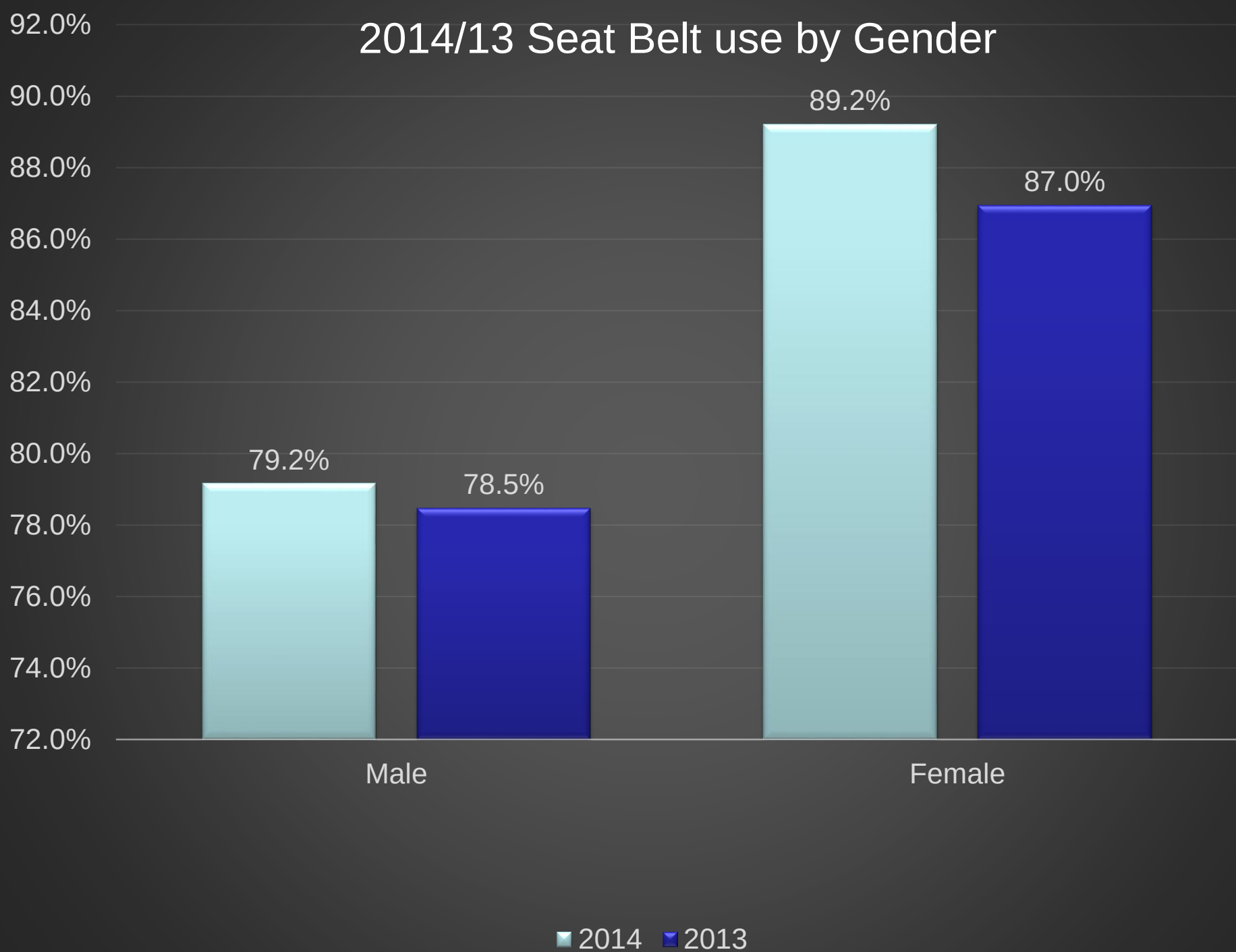


Safety Belt Usage

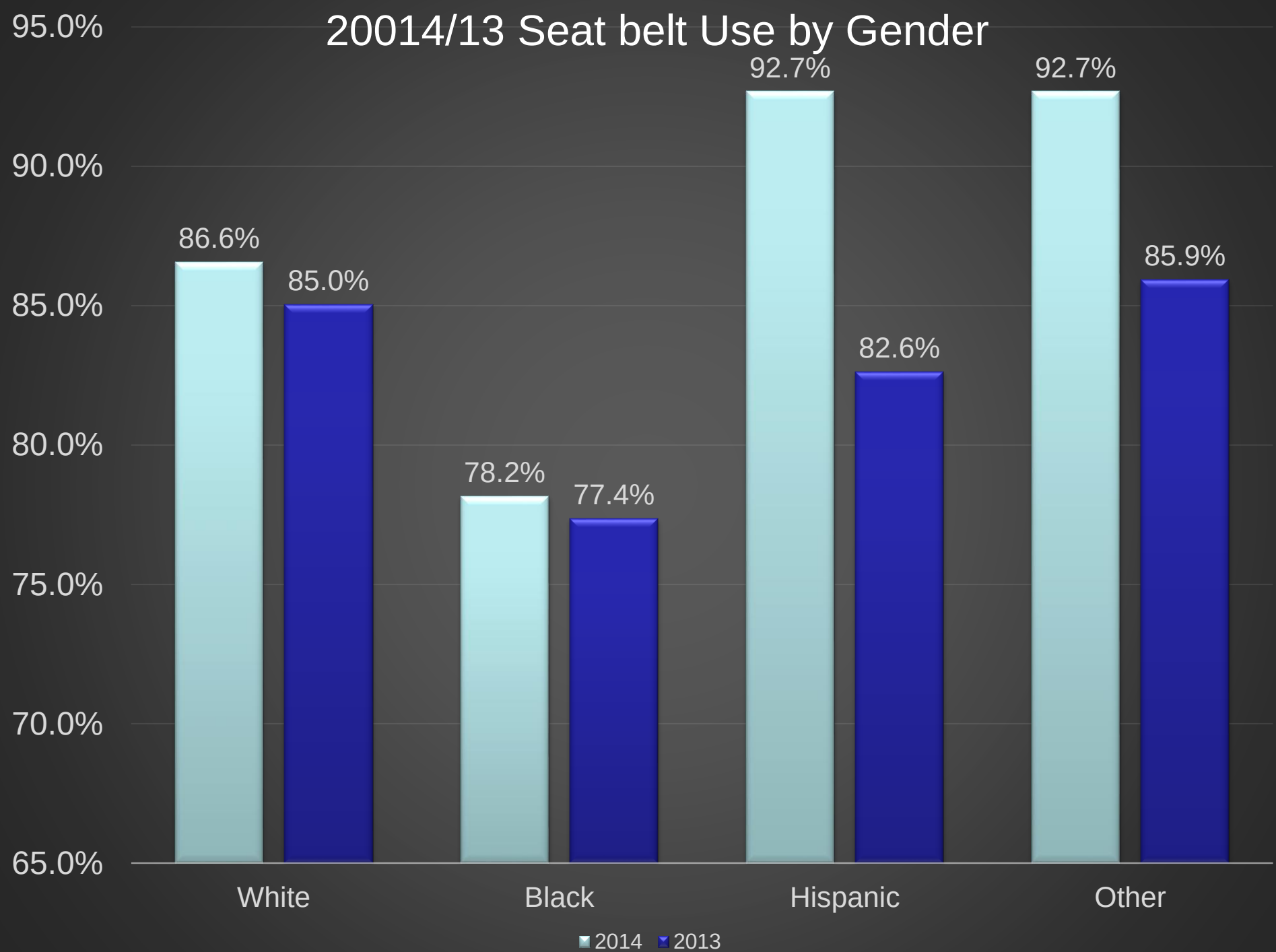


Region	CAR	PICKUP	SUV	2014	2013	Diff: 2014-2013
 1-New Orleans 2-Baton Rouge 3-Houma 4-Lafayette 5-Lake Charles 6-Alexandria 7-Shreveport 8-Monroe	81.1%	74.7%	84.5%	81.0%	78.1%	2.9%
	86.8%	75.4%	89.8%	84.4%	82.7%	1.7%
	88.9%	84.5%	87.5%	87.7%	85.5%	2.2%
	87.7%	80.1%	86.6%	85.0%	81.7%	3.4%
	88.3%	88.7%	93.2%	89.9%	91.0%	-1.1%
	82.5%	52.3%	75.4%	70.9%	83.4%	-12.6%
	85.4%	85.3%	93.8%	87.9%	83.6%	4.3%
	76.9%	71.4%	72.1%	74.8%	81.0%	-6.2%
	85.5%	78.5%	86.8%	84.1%	82.5%	1.6%

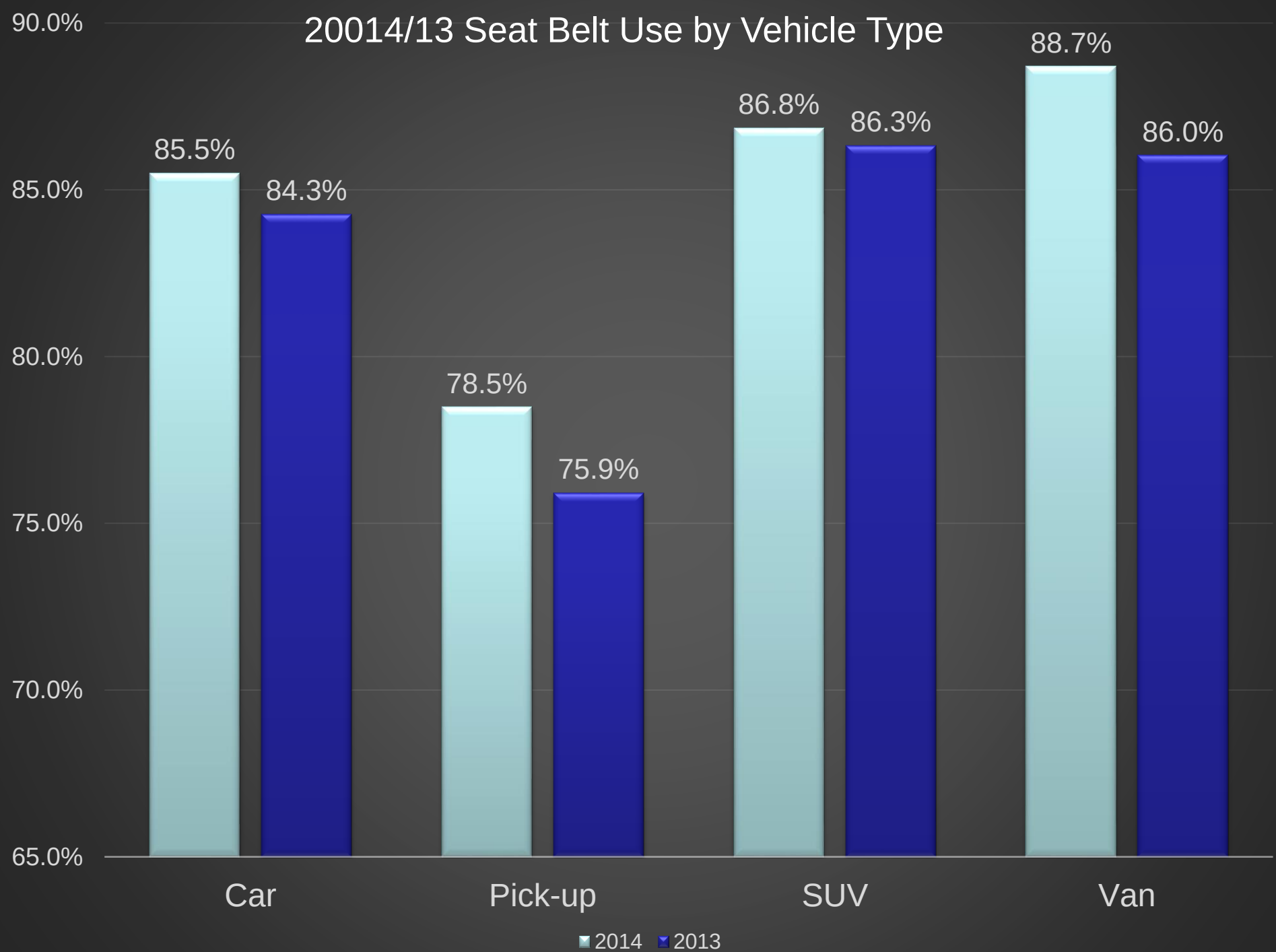
2014/13 Seat Belt use by Gender



2014/13 Seat belt Use by Gender



2014/13 Seat Belt Use by Vehicle Type





Rear Seat Belt Use

	Rear Seat Safety Belt Use				
	Auto	Pickup	SUV	Van	Total
2008	27.30%	12.50%	31.30%	29.40%	27.20%
2010	50.00%	47.80%	77.20%	90.70%	58.40%
2011	46.00%	40.30%	71.40%	93.60%	53.80%
2013	50.88%	46.97%	67.09%	62.30%	54.84%
2014	48.76%	42.39%	69.31%	77.36%	54.92%