

# Where We Stand 7th Edition – Update 9

## Motor Vehicle Crashes

September 26, 2018

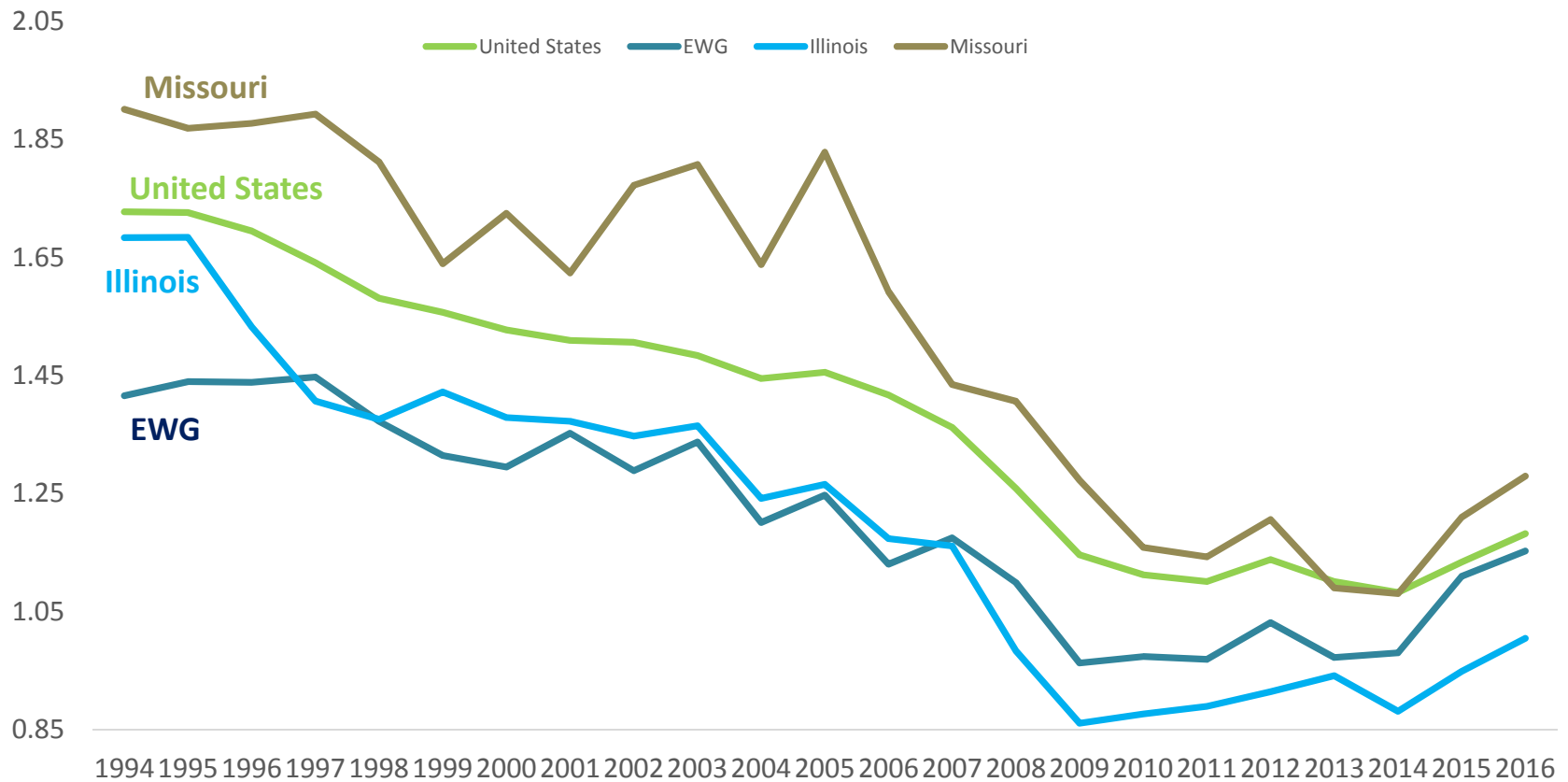
WWS 7<sup>th</sup> Edition, Data, & Updates

[www.ewgateway.org/research-center/where-we-stand/](http://www.ewgateway.org/research-center/where-we-stand/)

Subscribe to the WWS email list

[wws@ewgateway.org](mailto:wws@ewgateway.org)

# Fatalities Per 100 Million Vehicle Miles Traveled, 1994 to 2016



Source: Federal Highway Administration Office of Policy Information Traffic Volume Trends, Fatality Analysis Reporting System (FARS), IDOT, MoDOT, East-West Gateway

WHERE  
WE  
STAND

# Electronic Devices

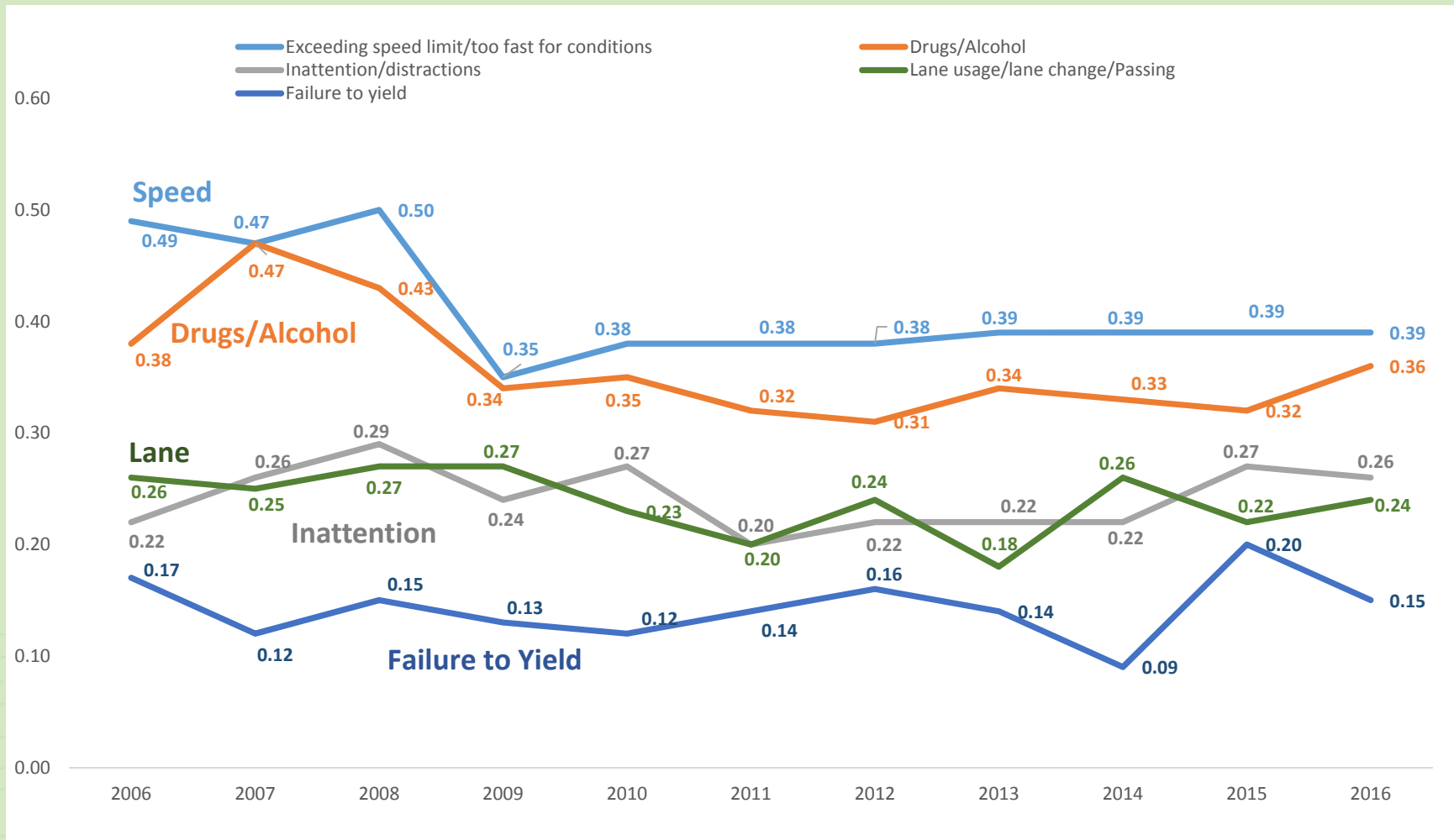
- Electronic devices is a subset of inattention/distractions categories
- Data is available from 2006-2016 for Missouri Counties and 2014-2016 for Illinois Counties
- Small portion of fatalities
- Fatalities associated with electronic devices may be under-reported.
- There is no clear trend regarding fatalities associated with electronic devices.

*Fatalities by Electronic Devices by Year, East-West Gateway Area, 2006 - 2016*

Year	Illinois Counties	Missouri Counties	Inattention/Distractions Fatalities	Percent of All Fatalities
2006	-	0	0.0%	0.0%
2007	-	2	3.2%	0.7%
2008	-	5	7.1%	1.9%
2009	-	6	10.2%	2.6%
2010	-	5	7.8%	2.1%
2011	-	3	6.5%	1.3%
2012	-	2	3.8%	0.8%
2013	-	3	5.8%	1.3%
2014	2	2	7.4%	1.6%
2015	3	3	9.0%	2.2%
2016	3	2	7.7%	1.7%

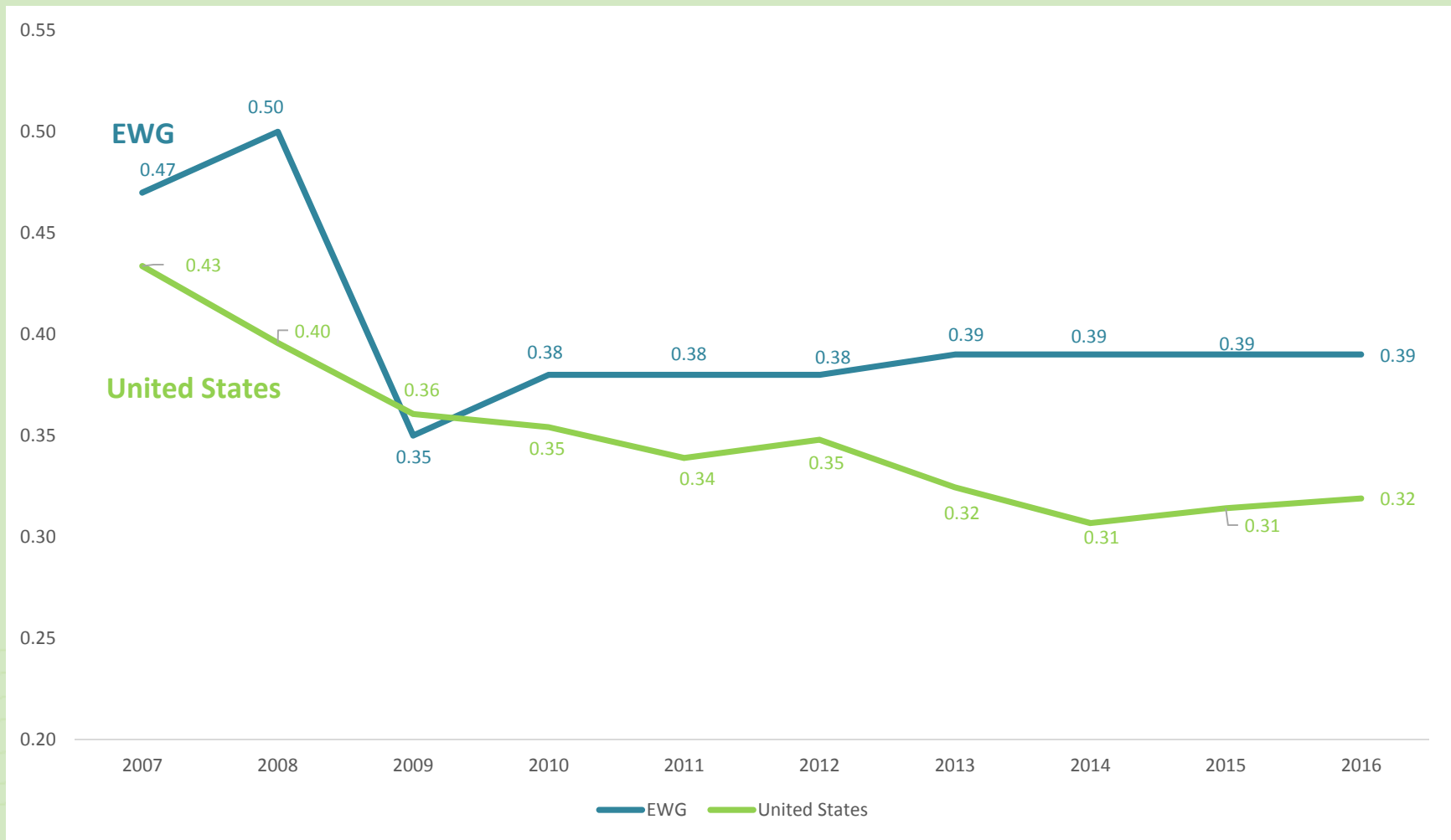
Source: IDOT, MODot

# Fatalities per 100 Million VMT by Cause, 2006 to 2016



WHERE  
WE  
STAND

# Fatalities Involving Speed, Per 100 Million VMT, 2007 to 2016



# Fatalities Involving Drugs or Alcohol, Per 100 Million VMT, 2006 to 2016



WHERE  
WE  
STAND

## Fatalities, 2016

Per 100 million Vehicle Miles Traveled

1	New Orleans	1.74
2	Memphis	1.68
3	Tampa	1.62
4	Miami	1.41
5	Jacksonville	1.41
6	San Antonio	1.39
7	Phoenix	1.38
8	Louisville	1.34
9	Charlotte	1.33
10	Austin	1.29
11	Sacramento	1.25
12	Riverside	1.23
13	Orlando	1.22
14	<b>St Louis</b>	<b>1.20</b>
	<b>United States</b>	<b>1.18</b>
15	Houston	1.18
16	Birmingham	1.15
17	Dallas	1.13
18	Raleigh	1.11
19	Oklahoma City	1.10
20	Las Vegas	1.10
21	Nashville	1.08
22	Kansas City	1.08
23	Pittsburgh	1.03
24	Detroit	1.00
25	Atlanta	1.00
26	Philadelphia	0.99
27	Denver	0.97
28	Portland	0.94
29	Columbus	0.94
30	Cleveland	0.93
31	Cincinnati	0.93
32	Los Angeles	0.91
33	Virginia Beach	0.88
34	Milwaukee	0.87
35	Richmond	0.86
36	Salt Lake City	0.83
37	San Diego	0.82
38	Chicago	0.80
39	Baltimore	0.79
40	Providence	0.78
41	New York	0.78
42	Indianapolis	0.77
43	San Jose	0.76
44	Seattle	0.75
45	Hartford	0.75
46	Buffalo	0.72
47	Washington D.C.	0.67
48	San Francisco	0.66
49	Boston	0.57
50	Minneapolis	0.57

Source: Federal Highway Administration, FARS database, State DOTs

# Fatality Rate Comparison

- St. Louis MSA ranked 14<sup>th</sup> among peer regions for fatality rates per 100 million vehicle miles traveled in 2016
- St Louis had a higher rate than each of the other Midwest peer MSAs

WHERE  
WE  
STAND

# Fatality Rate Comparison

- St Louis MSA in 2016 ranked 7<sup>th</sup> among peer regions with fatalities relating to speed
- Drug and alcohol related fatalities were just above average (22<sup>nd</sup>) and numerically just above the midpoint
- Distracted driver fatalities ranked 21<sup>st</sup>

## Fatalities Associated With Speed, 2016

Per 100 Million Vehicle Miles Traveled	
1	Charlotte 0.55
2	Pittsburgh 0.49
3	Las Vegas 0.47
4	Milwaukee 0.45
5	New Orleans 0.44
6	Raleigh 0.43
7	St Louis 0.43
8	San Antonio 0.43
9	Kansas City 0.42
10	Phoenix 0.41
11	Sacramento 0.41
12	Richmond 0.37
13	Dallas 0.37
14	Denver 0.36
15	Riverside 0.33
16	Houston 0.32
<b>United States 0.32</b>	
17	Los Angeles 0.31
18	Chicago 0.31
19	Austin 0.30
20	Louisville 0.30
21	Cleveland 0.30
22	Birmingham 0.29
23	Portland 0.29
24	Buffalo 0.28
25	Philadelphia 0.28
26	Oklahoma City 0.26
27	San Diego 0.26
28	Memphis 0.26
29	Providence 0.25
30	Baltimore 0.23
31	Virginia Beach 0.23
32	San Francisco 0.23
33	Detroit 0.23
34	Seattle 0.23
35	San Jose 0.21
36	New York 0.21
37	Indianapolis 0.21
38	Cincinnati 0.20
39	Atlanta 0.20
40	Washington D.C. 0.19
41	Hartford 0.18
42	Miami 0.17
43	Salt Lake City 0.17
44	Tampa 0.16
45	Nashville 0.16
46	Boston 0.16
47	Columbus 0.16
48	Minneapolis 0.14
49	Jacksonville 0.09
50	Orlando 0.07

Source: Federal Highway Administration, FARS database, State DOTs

## Fatalities Associated With Drugs or Alcohol, 2016

Per 100 Million Vehicle Miles Traveled	
1	Jacksonville 0.78
2	New Orleans 0.61
3	Las Vegas 0.60
4	Houston 0.55
5	Orlando 0.54
6	Tampa 0.50
7	Sacramento 0.50
8	Charlotte 0.48
9	San Antonio 0.47
10	Austin 0.43
11	Dallas 0.43
12	Raleigh 0.41
13	Kansas City 0.39
14	Denver 0.38
15	Riverside 0.38
16	Phoenix 0.36
17	Pittsburgh 0.35
<b>United States 0.34</b>	
18	Memphis 0.32
19	Philadelphia 0.32
20	Cleveland 0.32
21	Columbus 0.31
22	St Louis 0.31
23	San Jose 0.31
24	Nashville 0.30
25	Louisville 0.30
26	San Diego 0.30
27	Cincinnati 0.29
28	Oklahoma City 0.27
29	Detroit 0.25
30	Miami 0.24
31	Portland 0.22
32	Los Angeles 0.21
33	Birmingham 0.20
34	Seattle 0.19
35	Indianapolis 0.19
36	San Francisco 0.19
37	Richmond 0.19
38	Baltimore 0.18
39	Milwaukee 0.18
40	New York 0.17
41	Salt Lake City 0.17
42	Virginia Beach 0.17
43	Atlanta 0.15
44	Minneapolis 0.15
45	Washington D.C. 0.15
46	Chicago 0.14
47	Hartford 0.14
48	Boston 0.13
49	Providence 0.11
50	Buffalo 0.09

Source: Federal Highway Administration, FARS database, State DOTs

## Fatalities Associated with Distracted Drivers, 2016

Per 100 Million Vehicle Miles Traveled	
1	New Orleans 0.38
2	Louisville 0.29
3	San Antonio 0.27
4	Virginia Beach 0.22
5	Seattle 0.22
6	Richmond 0.19
7	Milwaukee 0.18
8	New York 0.17
9	Orlando 0.16
10	Charlotte 0.16
11	Tampa 0.16
12	Memphis 0.15
13	Phoenix 0.14
14	Buffalo 0.13
15	Philadelphia 0.13
<b>United States 0.13</b>	
16	Kansas City 0.12
17	Austin 0.12
18	Dallas 0.12
19	Nashville 0.12
20	Raleigh 0.12
21	St. Louis 0.11
22	Baltimore 0.11
23	Washington D.C. 0.11
24	Riverside 0.10
25	Denver 0.09
26	Oklahoma City 0.09
27	Cincinnati 0.09
28	Cleveland 0.08
29	Houston 0.08
30	Portland 0.07
31	Atlanta 0.07
32	Jacksonville 0.07
33	Boston 0.07
34	Miami 0.07
35	Pittsburgh 0.06
36	Minneapolis 0.06
37	Providence 0.06
38	Columbus 0.06
39	Los Angeles 0.06
40	Salt Lake City 0.06
41	Detroit 0.06
42	Chicago 0.05
43	Indianapolis 0.05
44	San Diego 0.05
45	San Jose 0.05
46	Sacramento 0.05
47	Birmingham 0.05
48	San Francisco 0.04
49	Las Vegas 0.02
50	Hartford 0.01

Source: Federal Highway Administration, FARS database, State DOTs

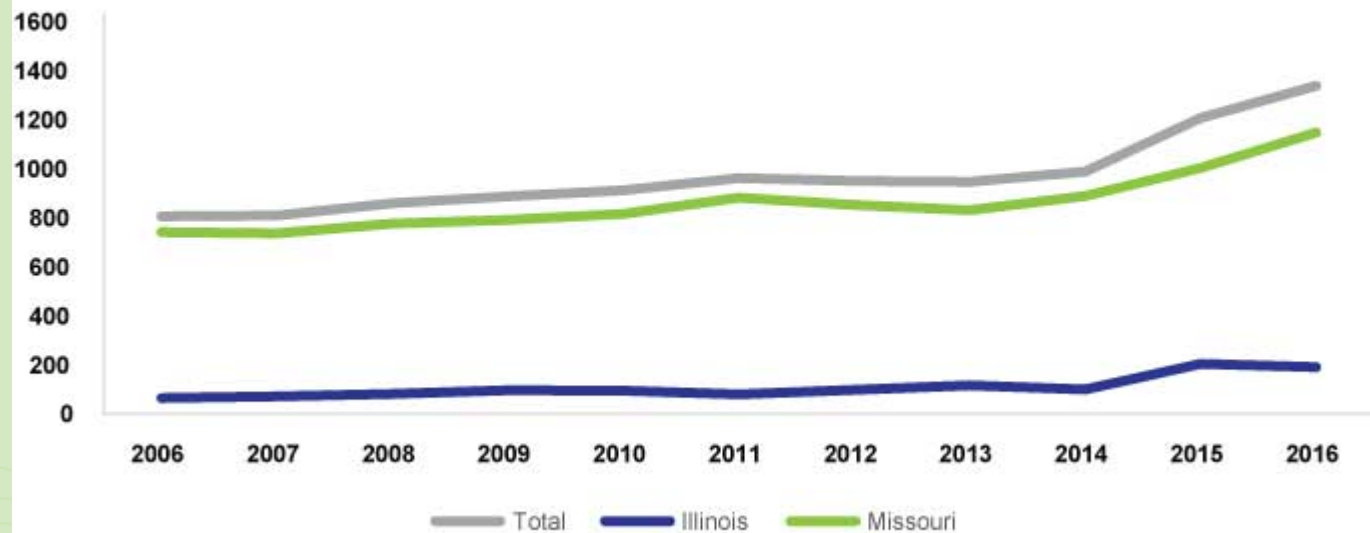
WHERE  
WE  
STAND



# Electronic Devices

- This graph shows crashes associated with electronic devices, including non-fatal crashes.
- There appears to be an upward trend from 2014-2016.

**All Crashes Involving Electronic Devices, 2006 to 2016  
(EWG Region)**



Source: IDOT, MoDOT

# Conclusion

- Fatality rates vary by county
- Much variability exists on how crashes are categorized
- There can be much year to year variability for fatality rates

## *East-West Gateway, Fatalities and Rate by County, 2016*

County	Fatalities	Rate Per 100 Million VMT
Madison	21	0.72
Monroe	3	0.81
St. Clair	40	1.41
Franklin	21	1.78
Jefferson	40	2.09
St. Charles	27	0.81
St. Louis	80	0.79
St. Louis City	62	2.53
East-West Gateway	294	1.17

Source: IDOT, MODot

WHERE  
WE  
STAND

# Where We Stand, 7<sup>th</sup> Edition

## The Strategic Assessment of the St. Louis Region

WWS 7<sup>th</sup> Edition, Data, & Updates

[www.ewgateway.org/research-center/where-we-stand/](http://www.ewgateway.org/research-center/where-we-stand/)

Subscribe to the WWS email list

[wws@ewgateway.org](mailto:wws@ewgateway.org)

WHERE  
WE  
STAND