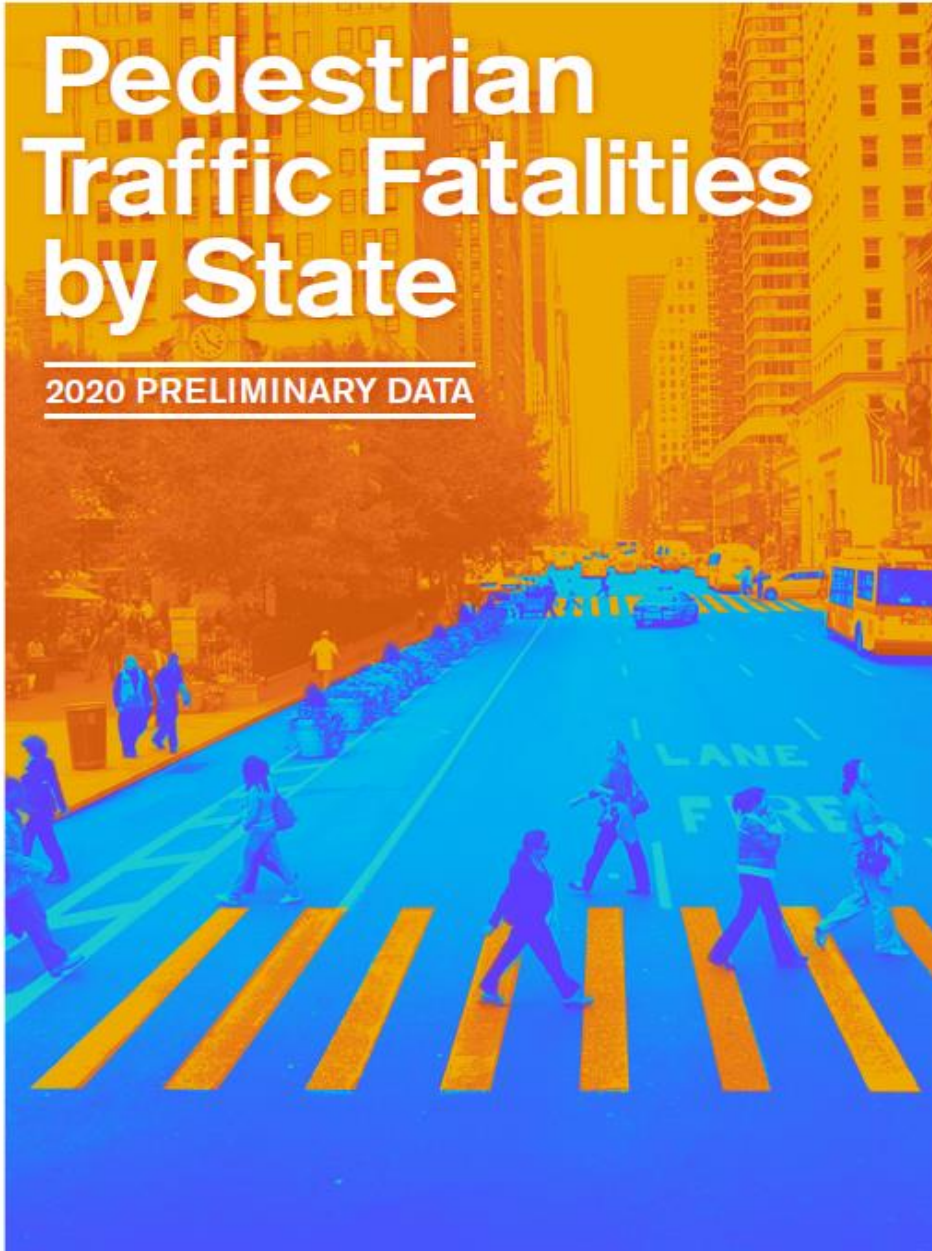


Pedestrian Traffic Fatalities by State

2020 PRELIMINARY DATA



Early Look at Jan-June 2020 Pedestrian Fatalities

Presented to:

MWCOG TPB
Safety Sub-Committee

April 13, 2021

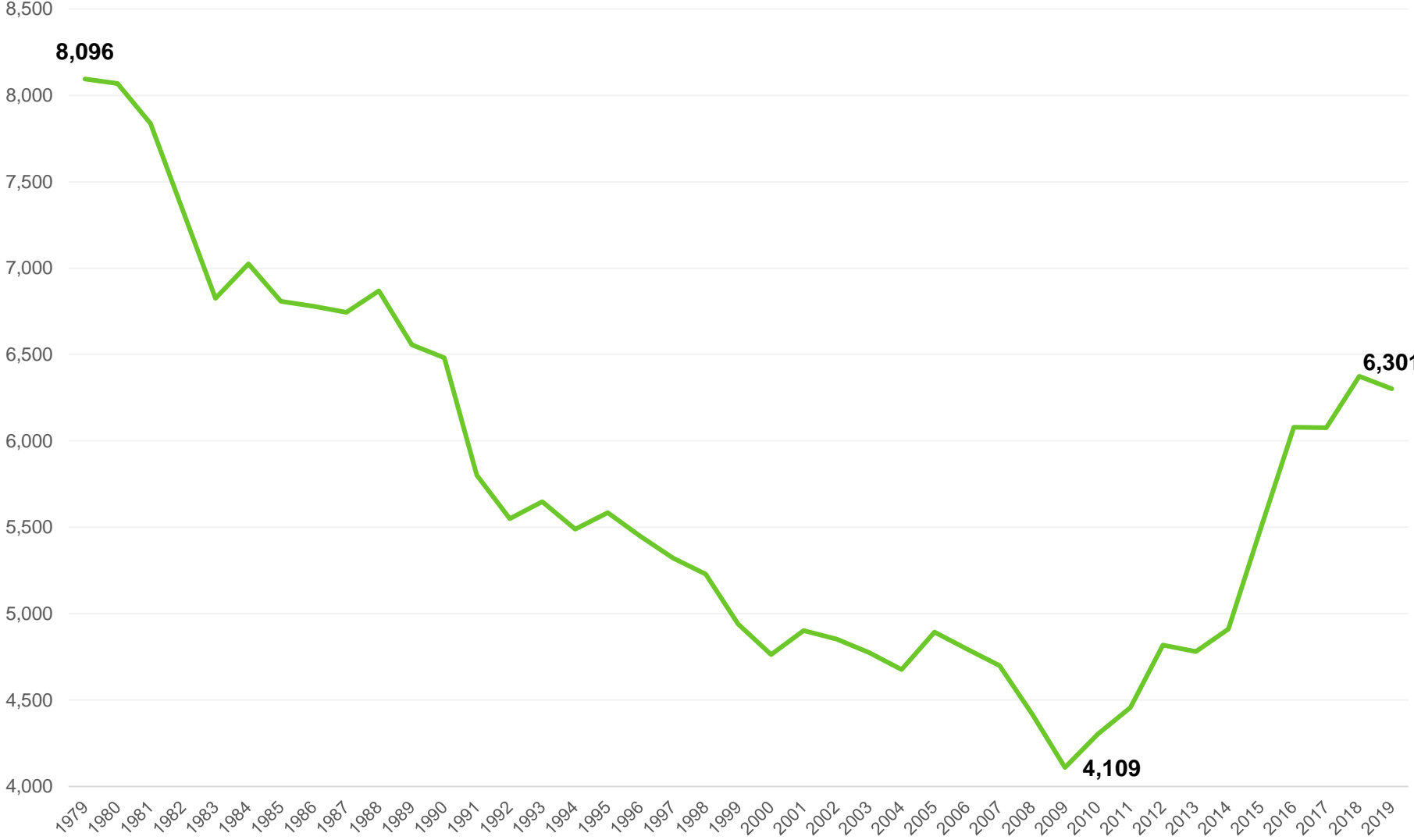
Presented by:

**Sam
Schwartz**

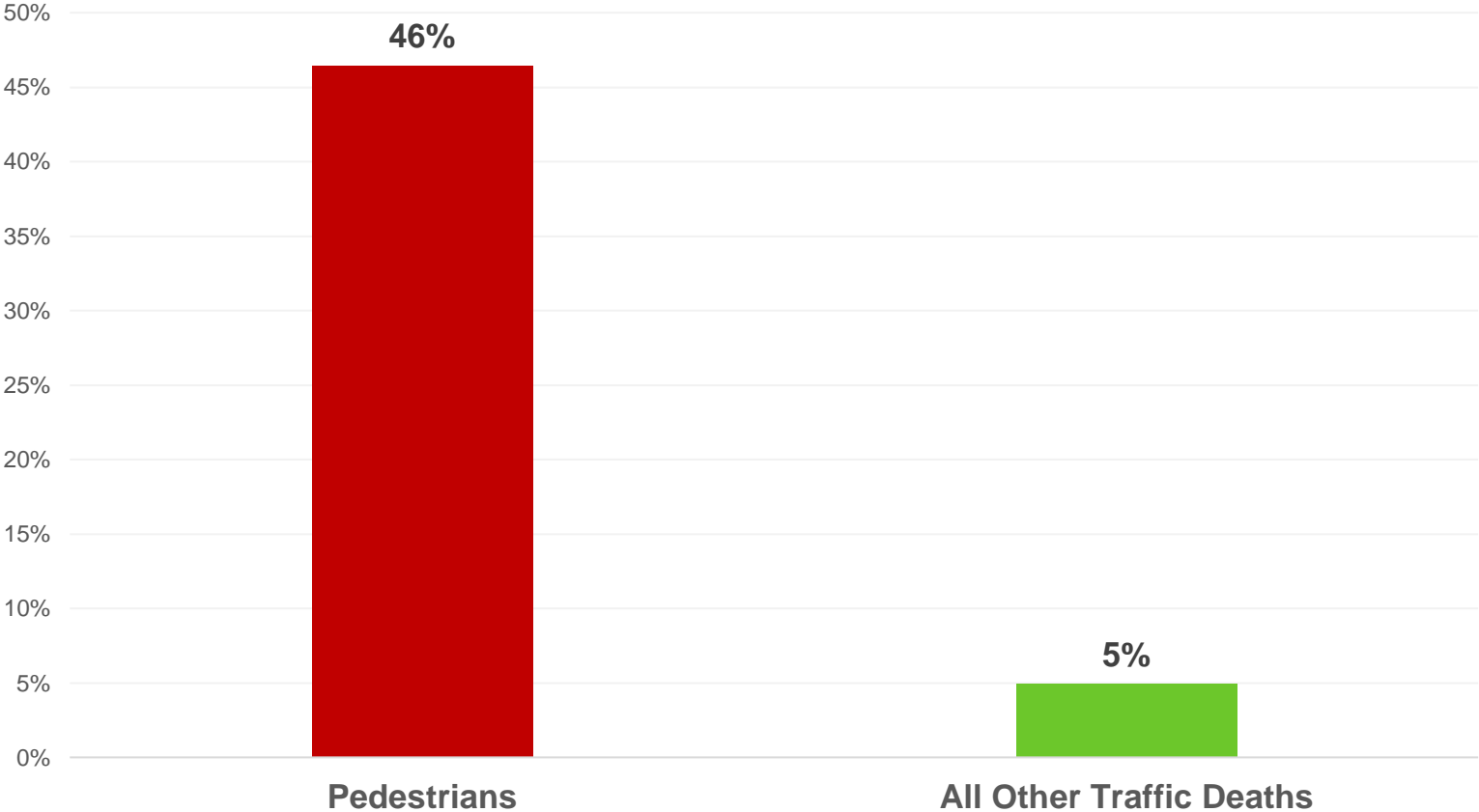
Background

- Annual Governors Highway Safety Association (GHSA) “Pedestrian Spotlight” Report:
 - Provides early look at pedestrian fatality count for previous year months before FARS data released in Fall
 - Data analysis based on preliminary fatality counts provided by all State Highway Safety Offices (SHSOs)
 - Report includes some basic analysis of FARS data
 - Mathematical adjustments to SHSO raw data and FARS Release 1 based on historical underreporting inherent in preliminary data
 - Minimally-funded, LIMITED research effort

Historical Pedestrian Fatality Data: U.S. 1979-2019



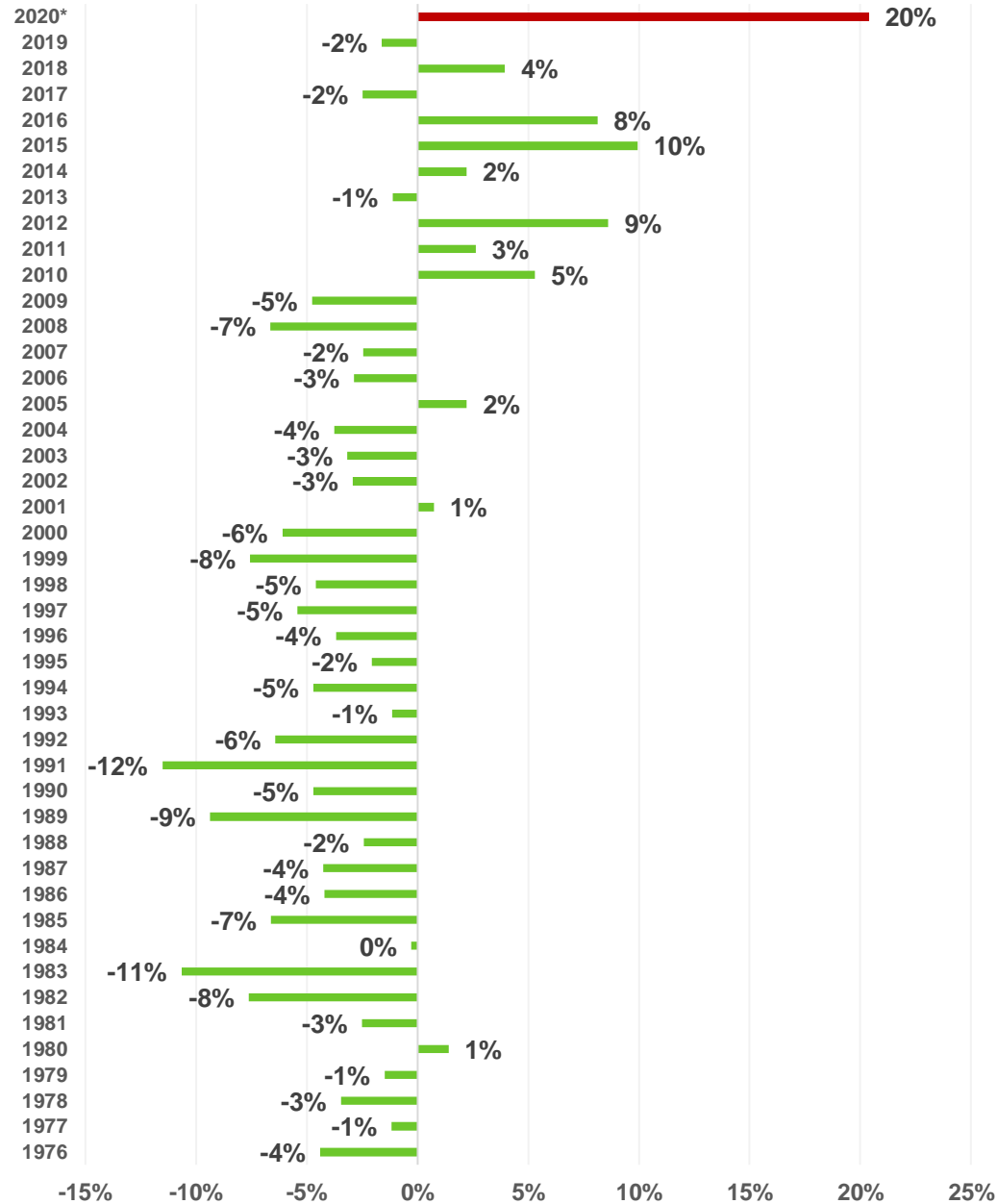
Percent Increase in Number of Traffic Deaths, 2010 to 2019



First six months of 2020

- GHSA projects 2,957 pedestrian fatalities; closely mirrors number reported for first six months of 2019 (2,951).
- First six months of 2020, however, experienced large drop in VMT due to COVID pandemic.
- Thus, on mileage basis, GHSA projects 20% increase in pedestrian fatality rate per 1B VMT compared with first half of 2019.
- Larger than any annual percent increase ever recorded since FARS established in 1975.

Annual Percent Change in Pedestrian Fatality Rate per 1B VMT



* Jan-June projected

Pedestrian Fatality Counts by State

Jan-June 2019 vs. 2020

- 27 States had Increases

State	Jan-June 2019	Jan-June 2020 (Preliminary Adjusted)	Change from 2019 to 2020	
			#	%
Kansas	7	27	20	286%
Rhode Island	3	10	7	233%
New Hampshire	4	8	4	100%
Wisconsin	13	22	9	69%
South Dakota	3	5	2	67%
Connecticut	21	31	10	48%
Alaska	3	4	1	33%
Indiana	35	45	10	29%
Colorado	31	39	8	26%
Mississippi	31	38	7	23%
Maryland	49	60	11	22%
Arkansas	30	35	5	17%
Ohio	60	67	7	12%
North Carolina	109	121	12	11%
Iowa	10	11	1	10%
Louisiana	59	64	5	8%
Texas	309	335	26	8%
Nevada	39	42	3	8%
Illinois	70	75	5	7%
New Mexico	42	45	3	7%
Washington	44	47	3	7%
California	460	485	25	5%
Minnesota	19	20	1	5%
Michigan	65	68	3	5%
Georgia	109	113	4	4%
Tennessee	65	67	2	3%
New Jersey	79	80	1	1%

Percentage Change Up

- 20 States had Decreases

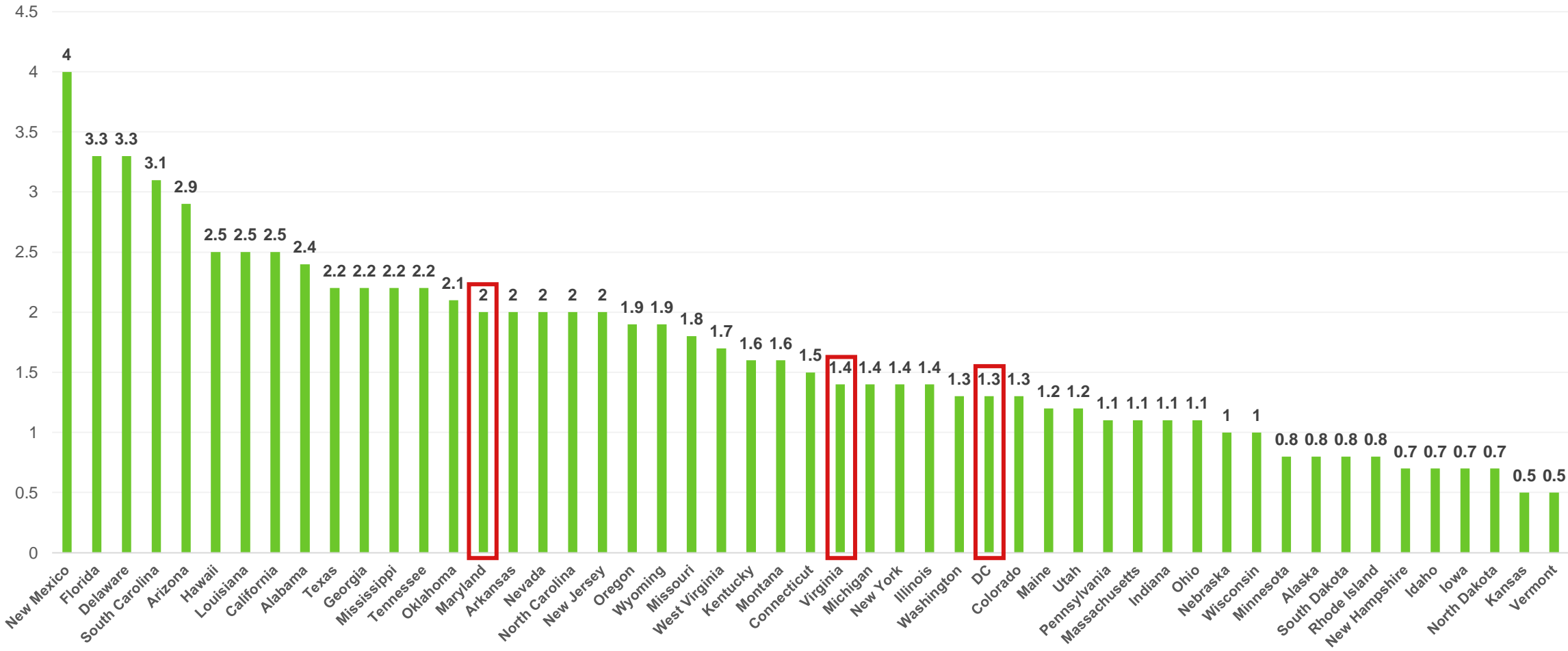
- 3 States had No Change

Idaho	4	4	0	0%
Missouri	48	48	0	0%
Vermont	1	1	0	0%
Arizona	110	106	-4	-4%
Virginia	58	55	-3	-5%
DC	14	13	-1	-7%
Utah	12	11	-1	-8%
West Virginia	12	11	-1	-8%
Montana	8	7	-1	-13%
South Carolina	83	72	-11	-13%
Florida	385	332	-53	-14%
Nebraska	7	6	-1	-14%
Oregon	39	33	-6	-15%
New York	121	101	-20	-17%
Delaware	6	5	-1	-17%
Pennsylvania	77	63	-14	-18%
Alabama	52	42	-10	-19%
Kentucky	34	24	-10	-29%
Oklahoma	36	23	-13	-36%
North Dakota	5	3	-2	-40%
Massachusetts	32	17	-15	-47%
Hawaii	25	12	-13	-52%
Maine	7	3	-4	-57%
Wyoming	6	2	-4	-67%
Total	2,951	2,957	6	0.2%

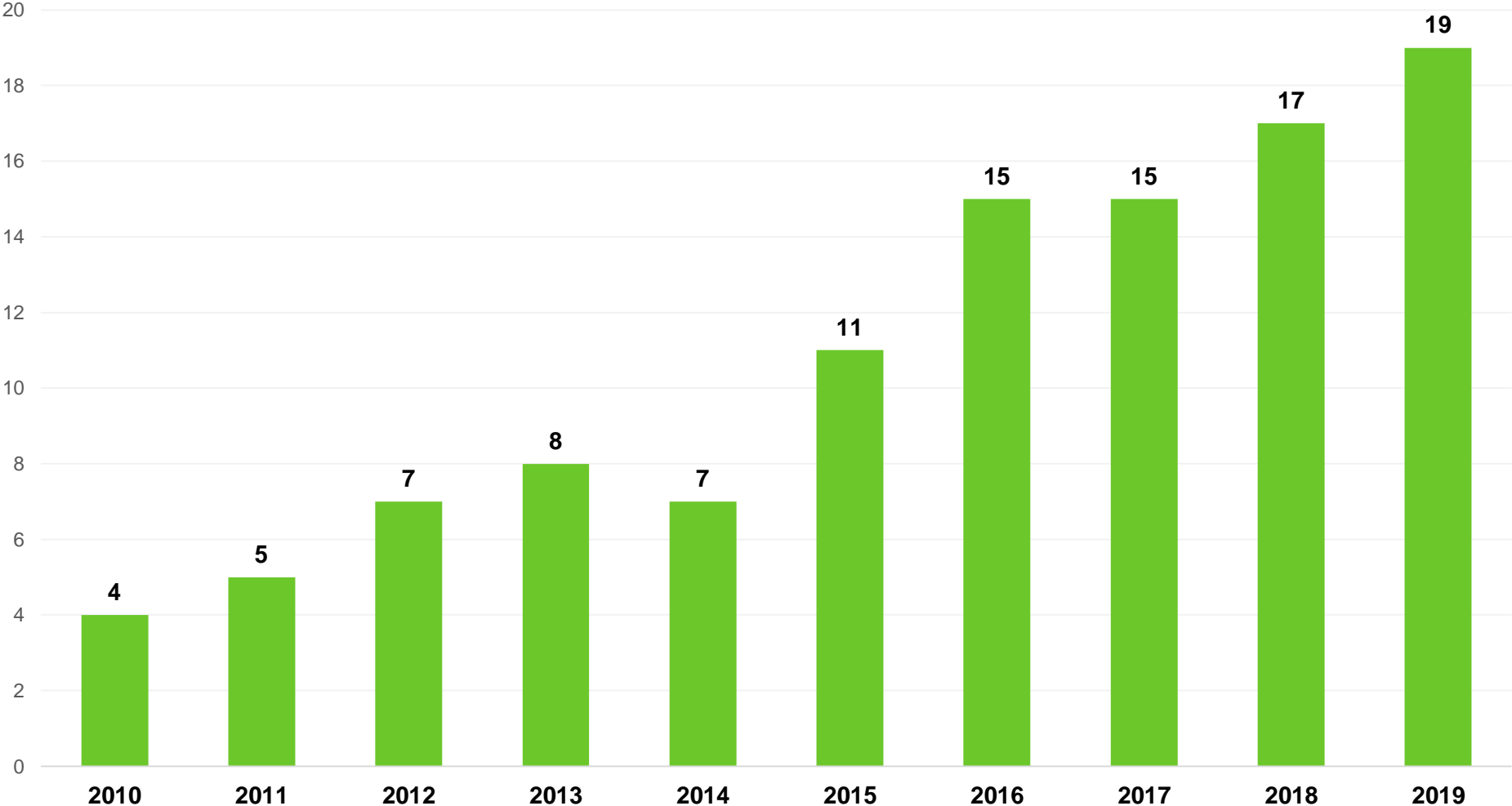
Percentage Change Down

2019 Pedestrian Fatality Rates per 100K Population

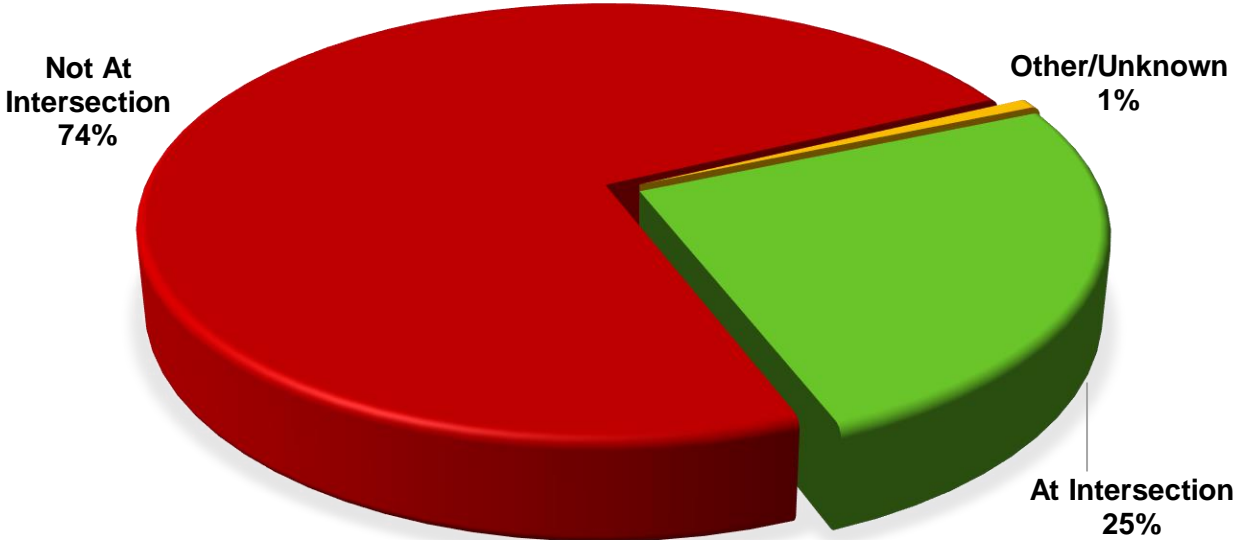
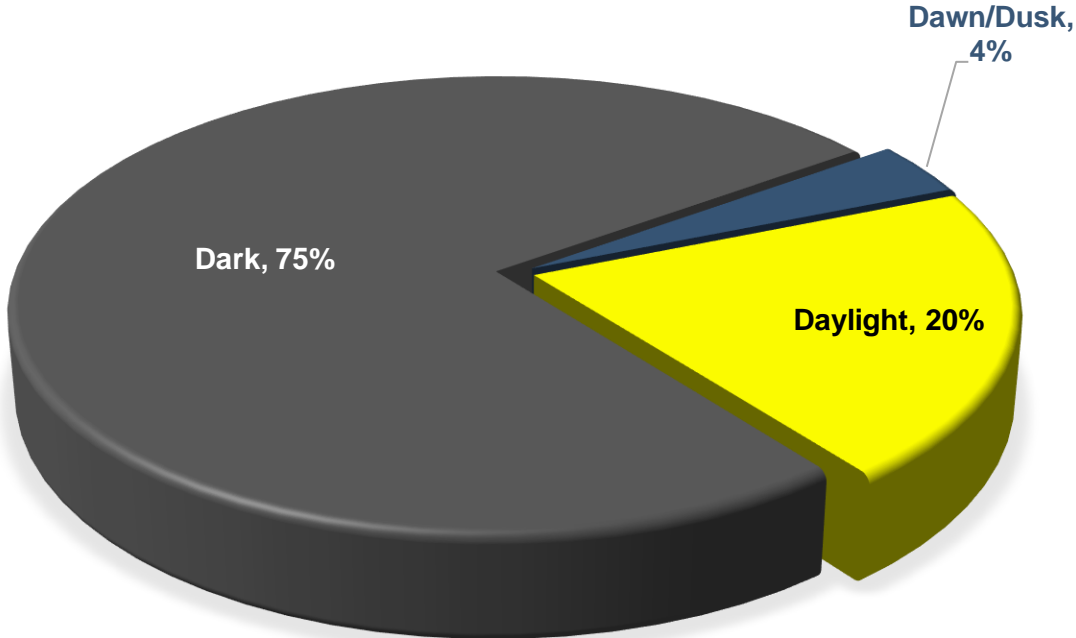
Range from 4.0 in New Mexico to 0.5 in Kansas/Vermont



Increasing Number of States with Pedestrian Fatality Rates ≥ 2.0 Per 100,000 Population: 2010-2019

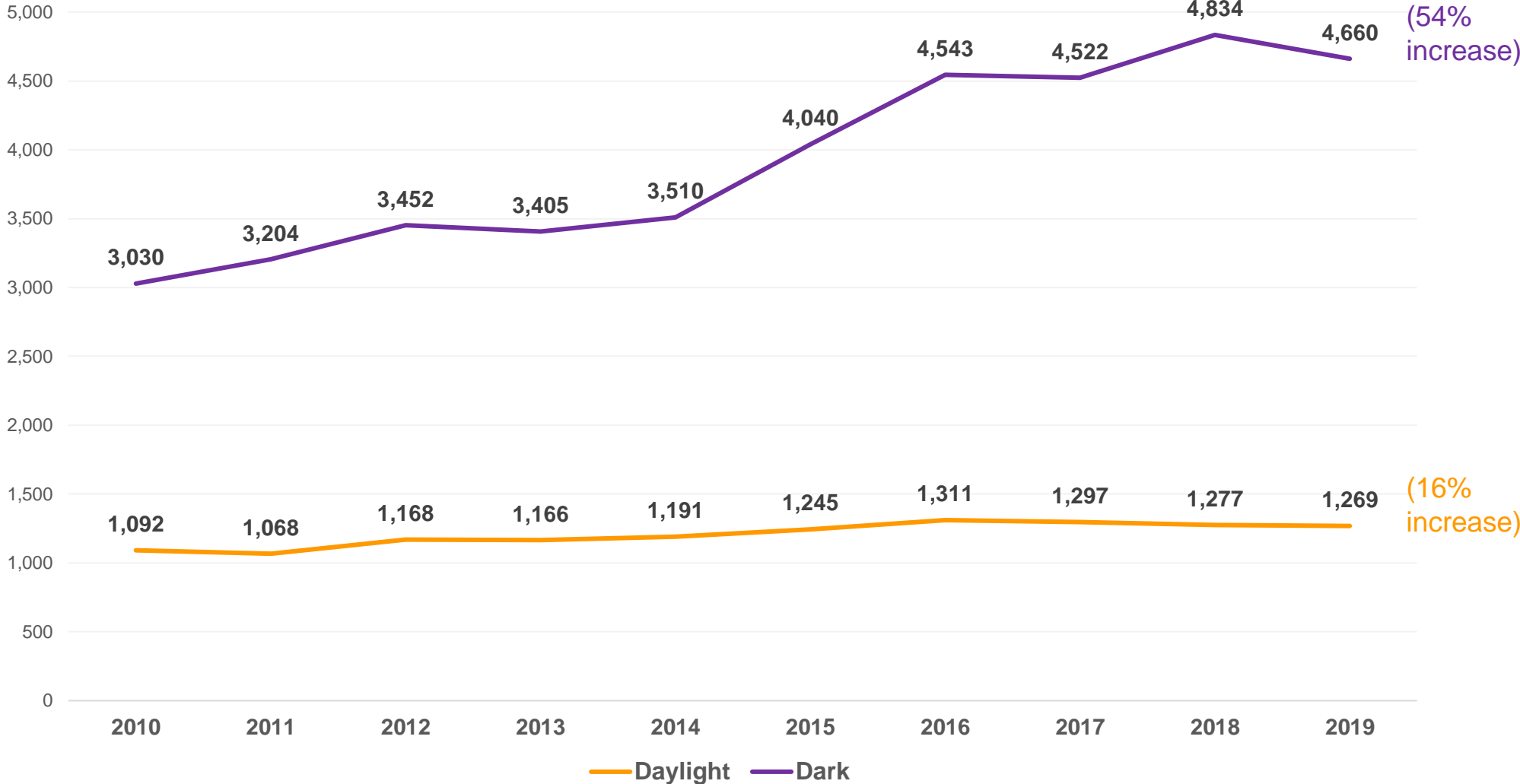


Perennial Fatal Pedestrian Crash Factors



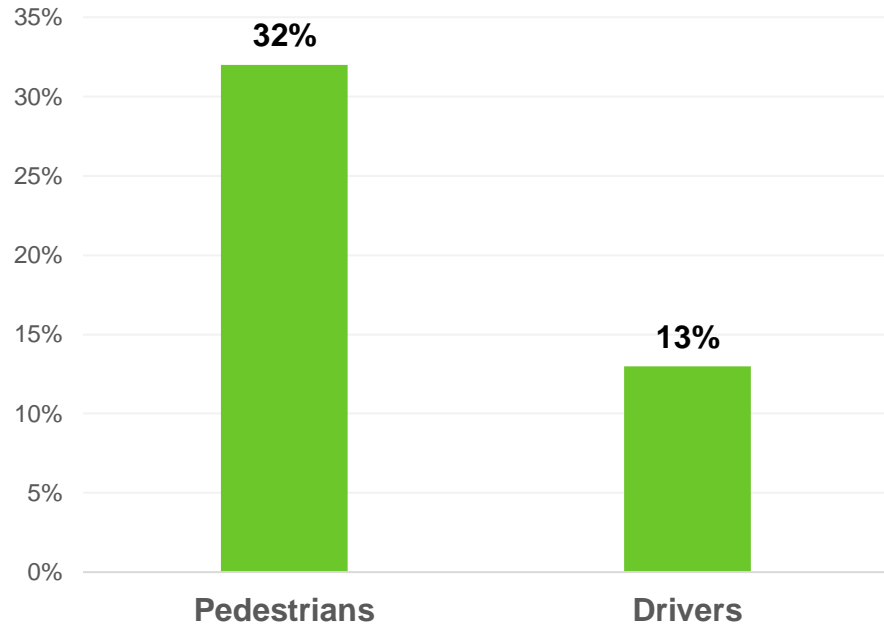
2019 FARS Data

Number of Ped Fatalities by Light Condition, 2010-2019

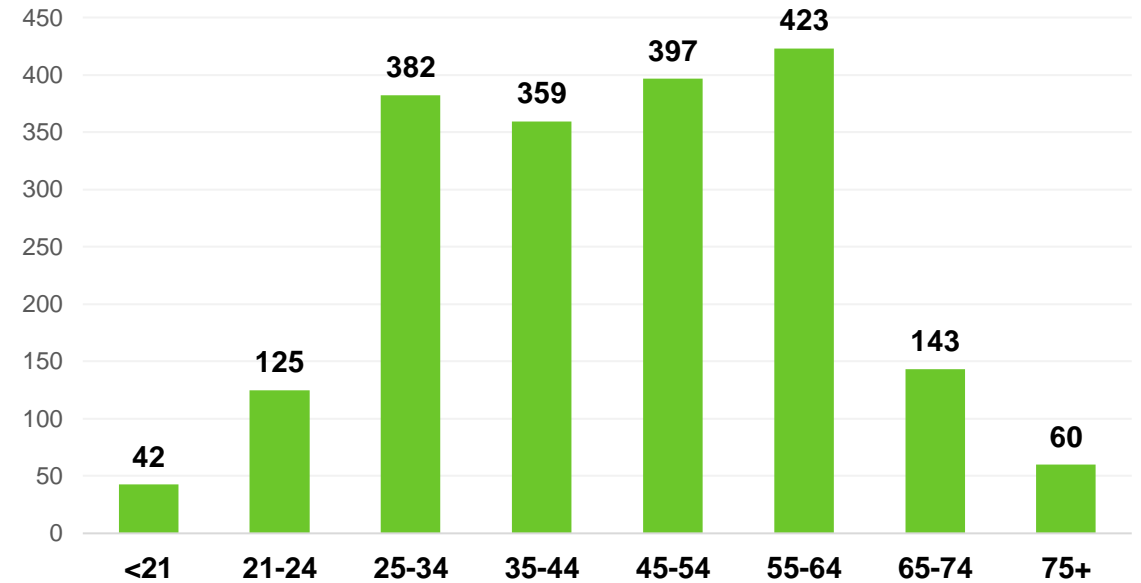


Perennial Fatal Pedestrian Crash Factors

Percent of Pedestrians Ages 16+ and Drivers Involved in Fatal Pedestrian Crashes with Known BACs ≥ 0.08

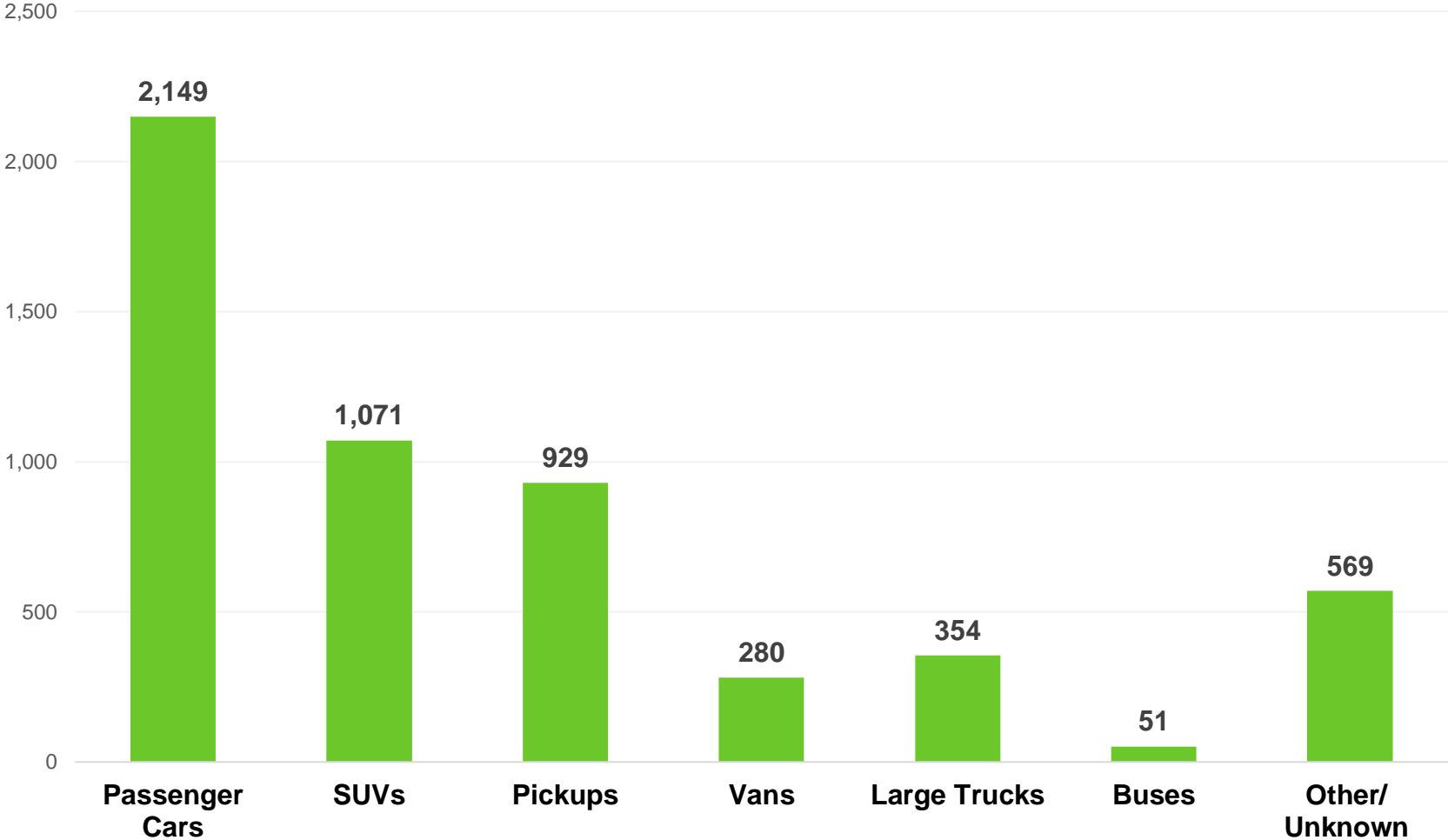


Number of Pedestrian Fatalities with Known BAC > 0.08 by Age

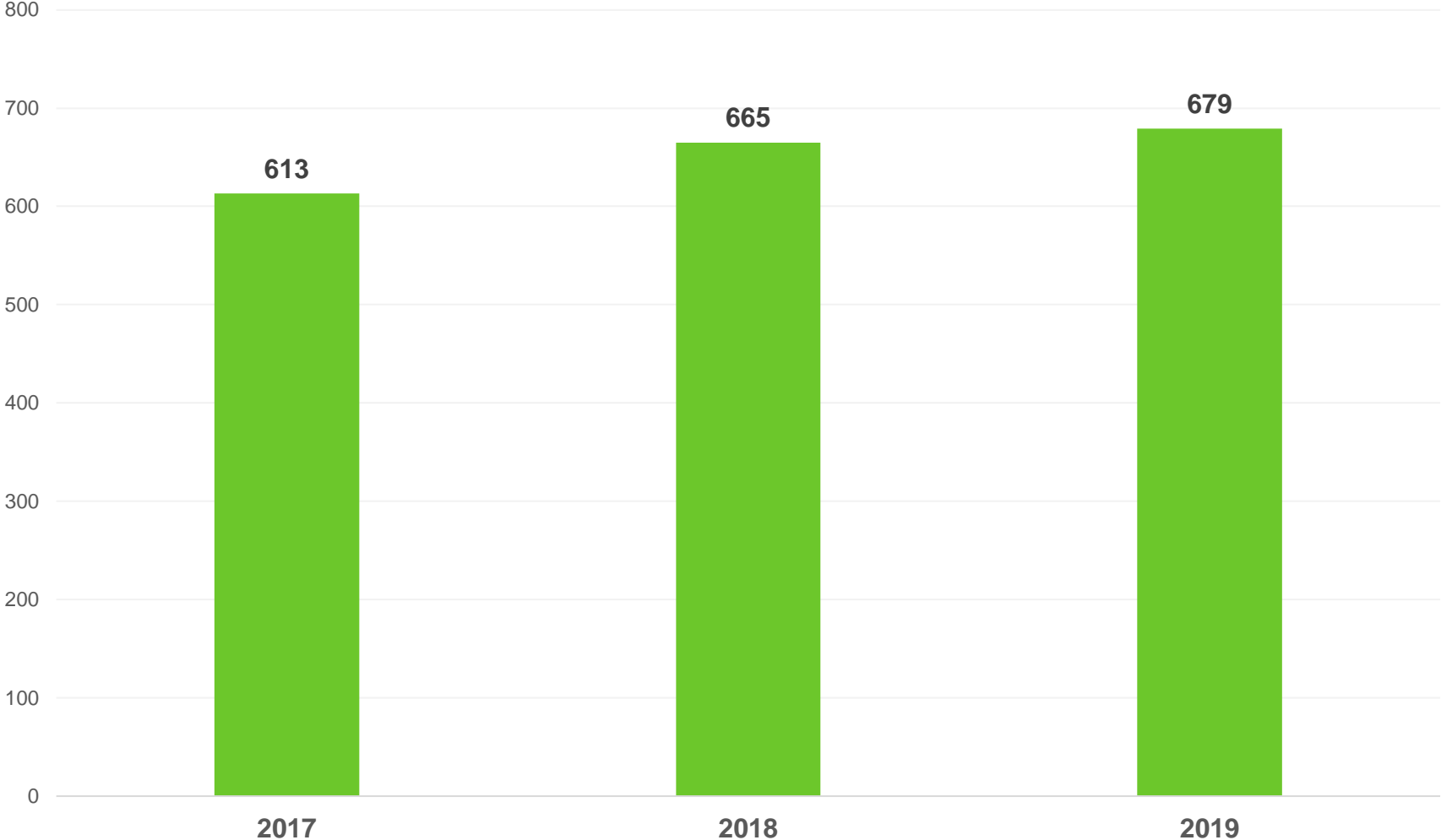


2019 FARS Data

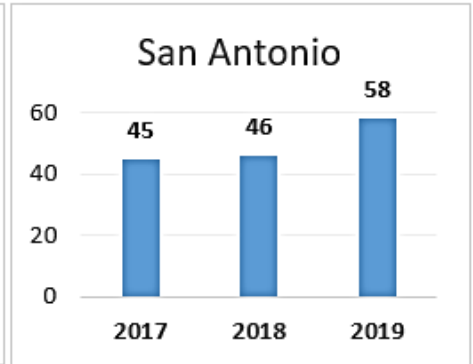
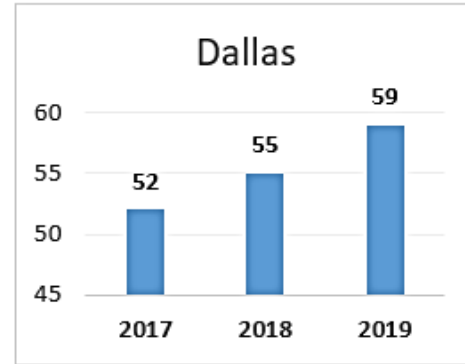
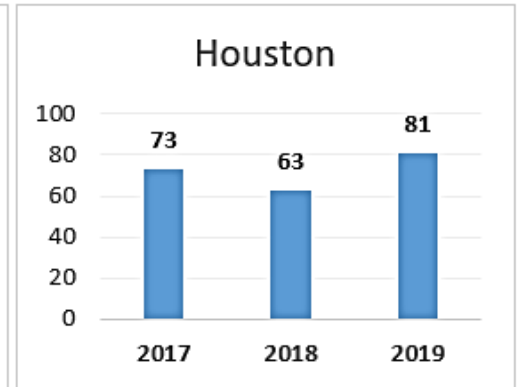
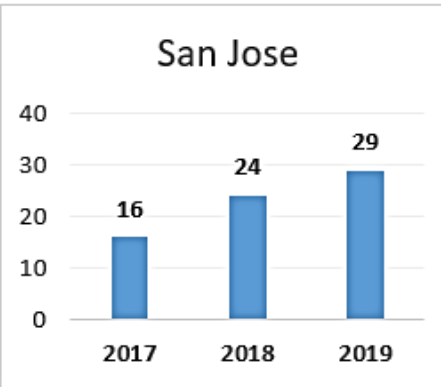
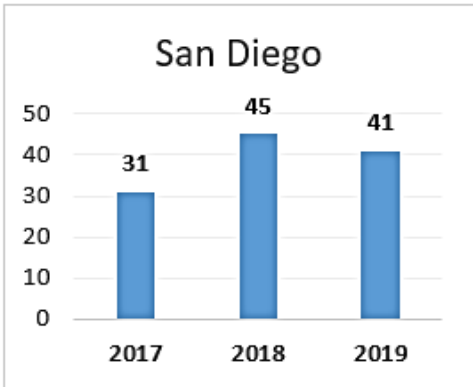
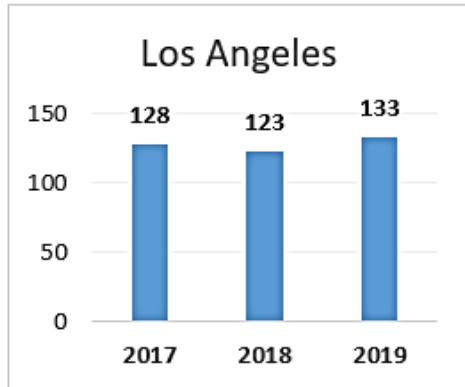
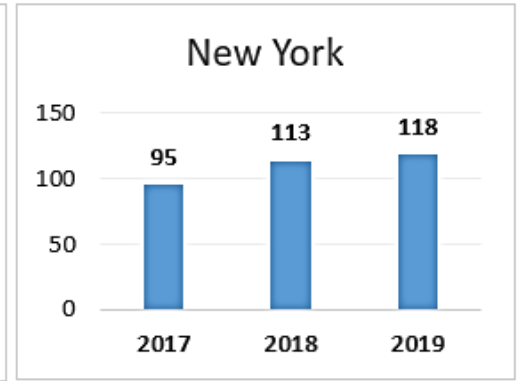
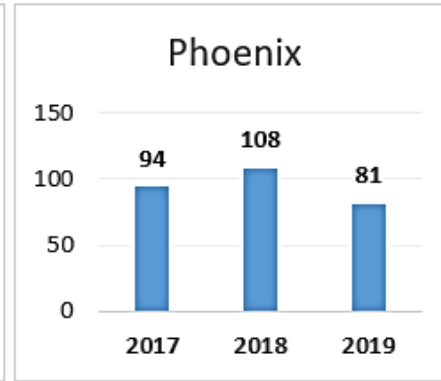
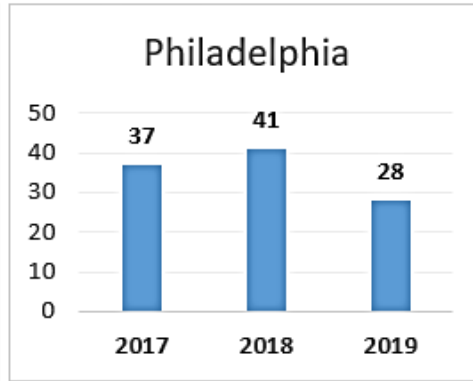
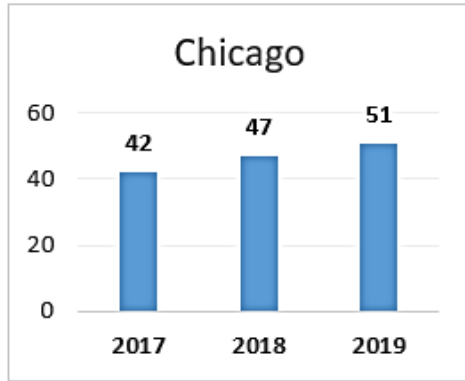
Number of Pedestrians Killed in Single-Vehicle Crashes by Vehicle Type, 2019



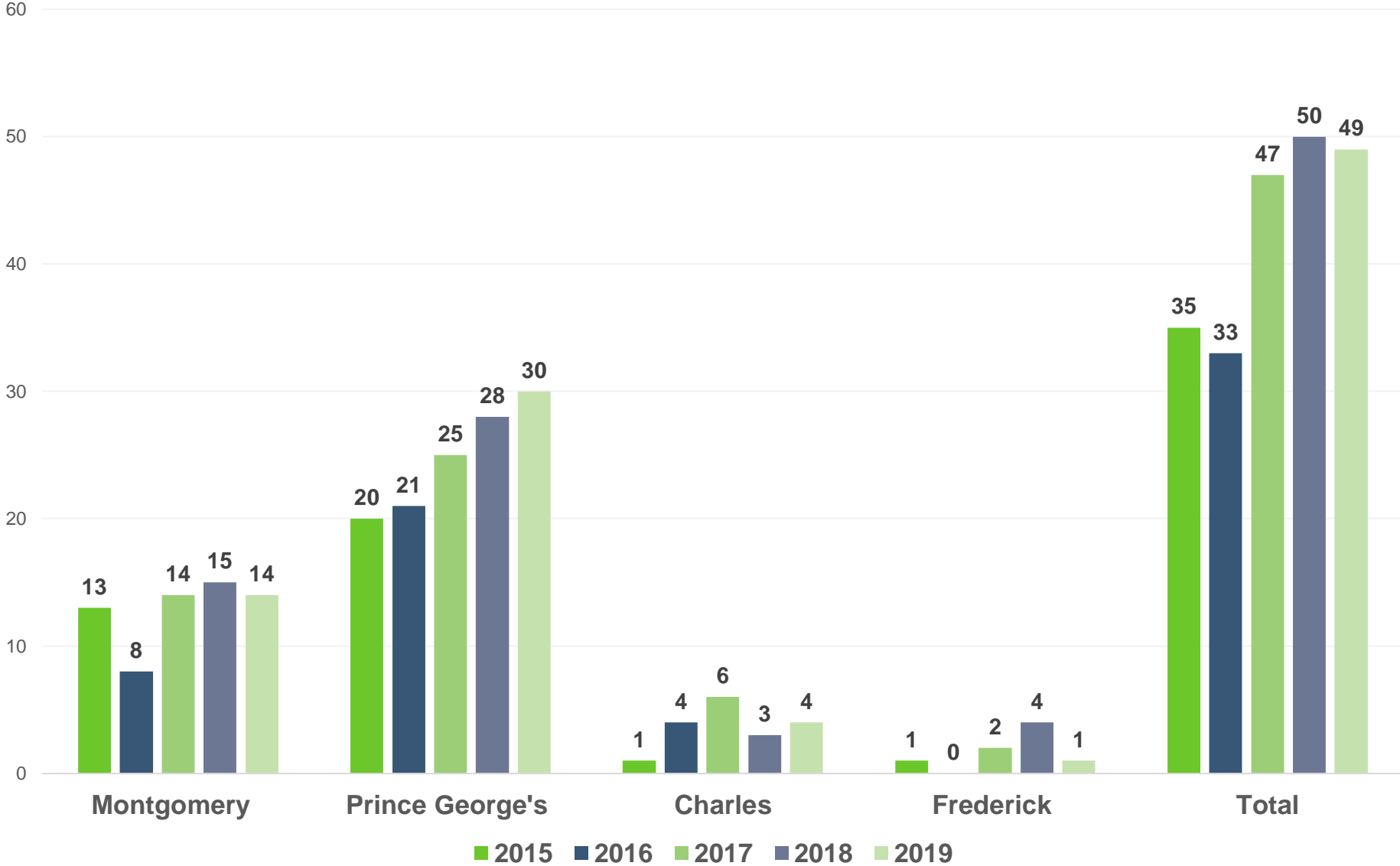
Pedestrian Deaths in 10 Largest U.S Cities, 2017-2019



Pedestrian Deaths in 10 Largest U.S Cities, 2017-2019

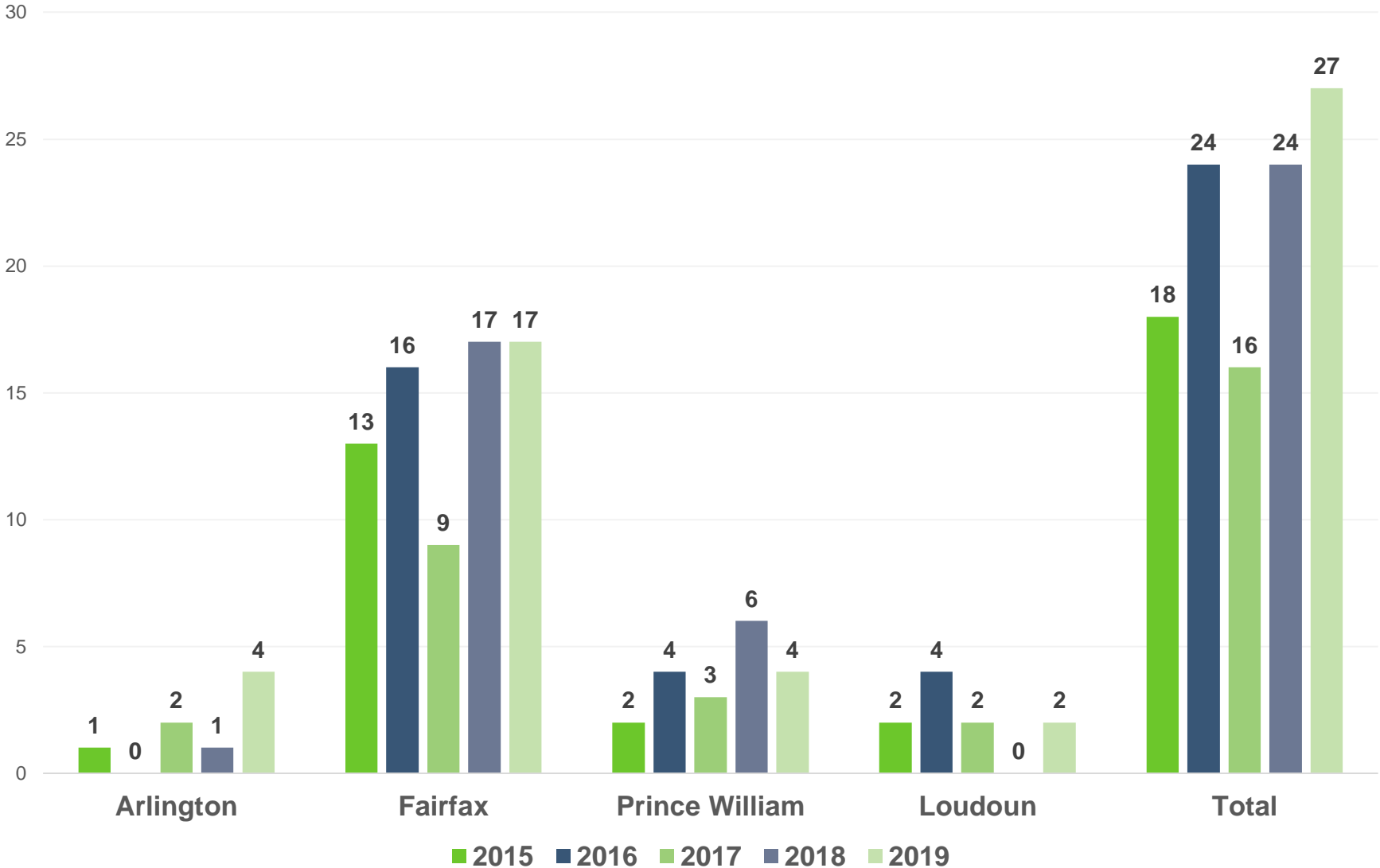


Multiyear Trends in Ped Fatalities - Maryland Counties



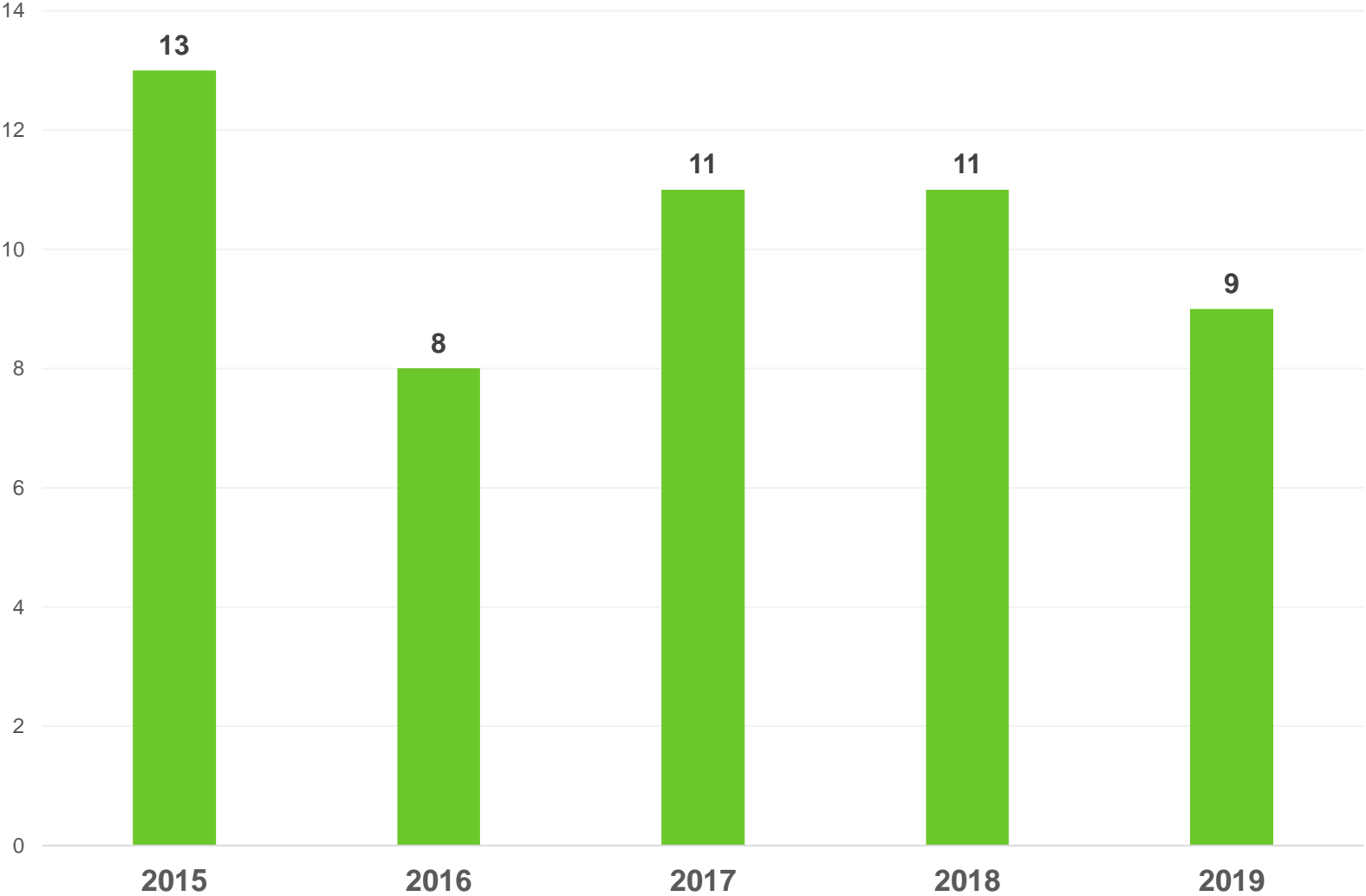
Source: FARS

Multiyear Trends in Ped Fatalities – Virginia Counties



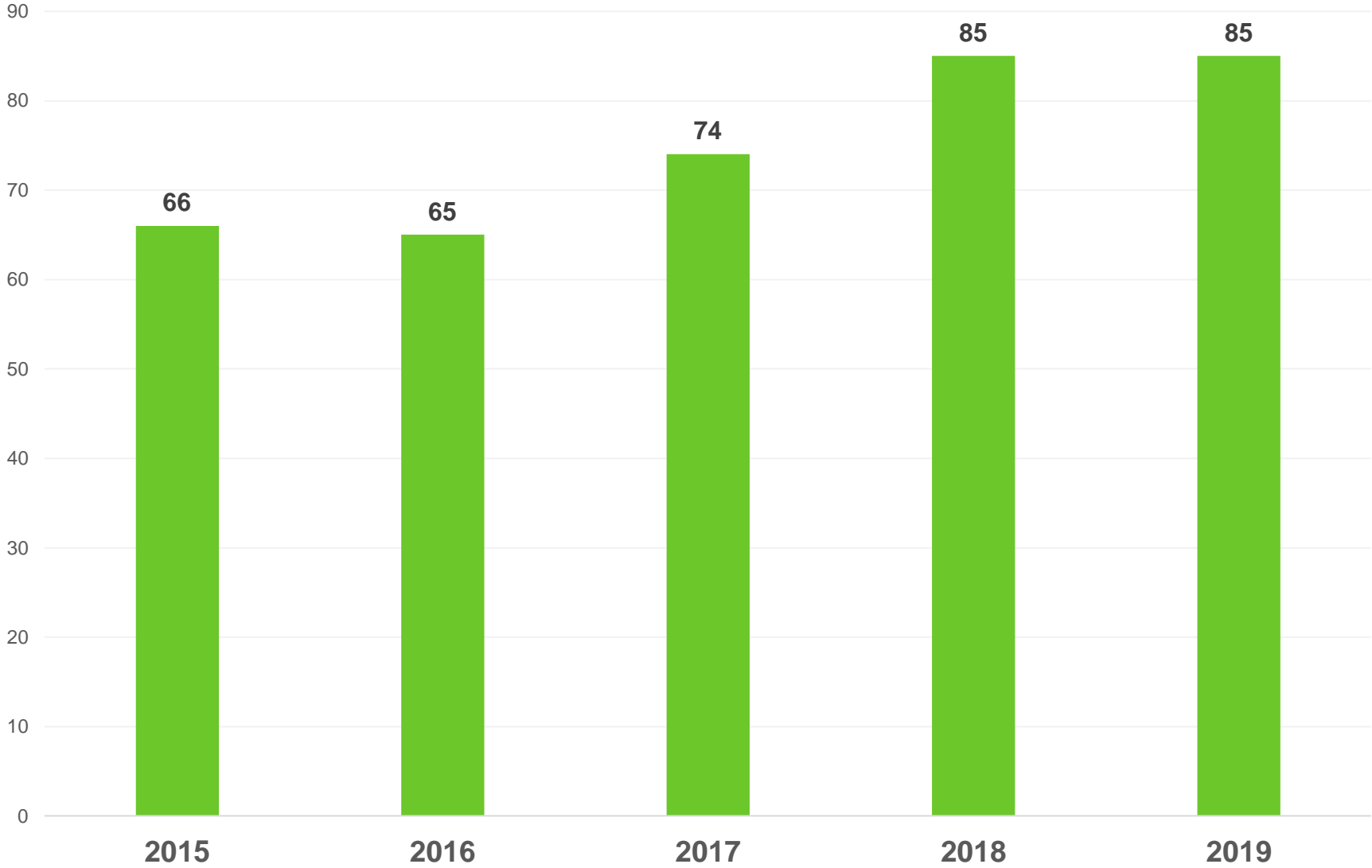
Source: FARS

Multiyear Trends in Pedestrian Fatalities - DC



Source: FARS

Multiyear Trends in Ped Fatalities – MWCOCG Counties + DC



Source: FARS

How Can We Reduce Pedestrian Fatalities and Injuries?

- Engineering
 - Speed management
 - RFBs, Pedestrian Hybrid Beacons, LPIs
 - Refuge islands; Enhanced street lighting
 - Vehicle technology (e.g., automatic emergency braking)
- Enforcement
 - Impaired and distracted driving; speeding
- Education
 - Focus on changing culture and building support for traffic enforcement
 - Prioritize underserved populations disproportionately involved in fatal pedestrian crashes
- EMS
 - Ensure best chance of post-crash survival and equitable treatment



Richard Retting

Safety & Research Practice Leader

Sam Schwartz

rretting@samschwartz.com

202-445-1225