

# **2021 Safety Belt Use In Florida**

Preusser Research Group, Inc. Presentation

December 9, 2021

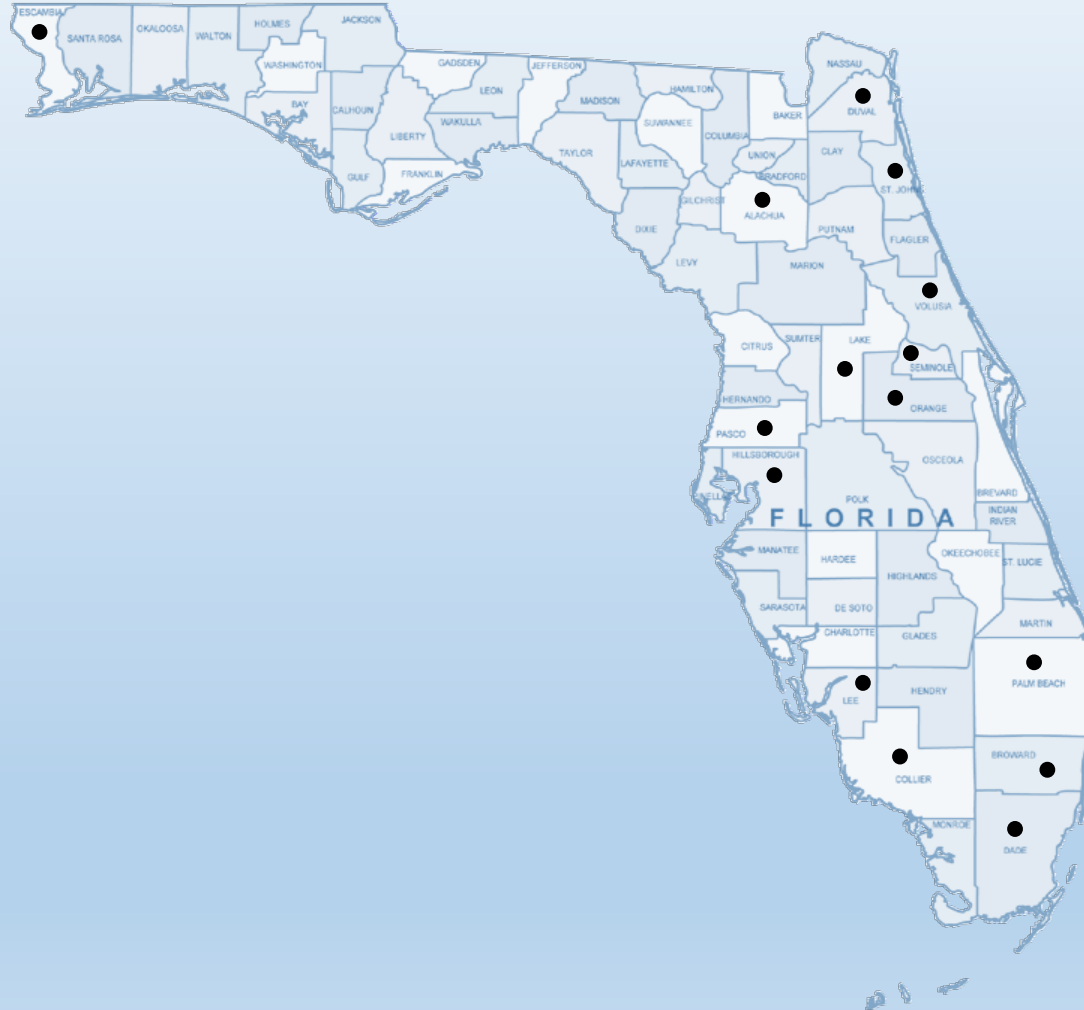


# What is the annual survey designed to do?

- Estimate usage during daylight hours
- Provide information on characteristics of belt use
- Provide a “Yardstick” for measuring change over time

# What counties are included?

- Escambia
- Alachua
- Duval
- St. Johns
- Volusia
- Seminole
- Lake
- Orange
- Hillsborough
- Pasco
- Lee
- Collier
- Palm Beach
- Broward
- Miami-Dade



Statewide survey has used the same counties/sites past five surveys per Federal Register Guidelines

# Survey Methodology

- 165 sites
- One-hour observations
- Daylight hours (7 a.m.–6 p.m.)
- All days of week

## Info collected

- Vehicle type
- Driver: sex; age; race; and belt use
- Passenger: sex; race; age; and belt use (front outboard passengers)



## Appendix B. Florida Safety Belt Observation Form

SITE NUMBER: \_\_\_\_\_ SITE: \_\_\_\_\_

NOTES: \_\_\_\_\_

DATE: \_\_\_\_ - \_\_\_\_ - \_\_\_\_ DAY OF WEEK: \_\_\_\_\_ WEATHER CONDITIONS  
 1 Clear / Sunny 4 Fog  
 2 Light Rain 5 Wet But Not Raining  
 3 Cloudy

DIRECTION OF TRAFFIC FLOW (Circle one): N S E W

START TIME: \_\_\_\_\_ (Observation period will last exactly 60 minutes)

Veh. #	VEHICLE			DRIVER			PASSENGER		
	Vehicle C = car T = truck S = SUV V = van	Sex M = male F = female U = unsure	Age Y = 16-34 M = 35-59 O = 60 or older U = unknown	Race W = White B = Black H = Hispanic O = Other U = unsure	Use Y = yes N = no U = unsure	Sex M = male F = female U = unsure	Age C = 0-15 Y = 16-34 M = 35-59 O = 60 or older U = unknown	Race W = White B = Black H = Hispanic O = Other U = unsure	Use Y = yes N = no U = unsure
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FLORIDA SAFETY BELT SURVEY  
FORM 2017

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# Sample Info

33,610 front seat occupants in 2021 sample  
[in comparison 34,241 in 2019 sample]

	(n)	%
<b>Occupant Type</b>		
Drivers	27,023	80%
Passengers	6,587	20%
<b>Occupant Sex</b>		
Male	18,111	54%
Female	15,132	45%
Other	367	1%
<b>Occupant Race/Ethnicity</b>		
White	21,488	64%
Black	5,010	15%
Hispanic	5,953	18%
Other	983	3%

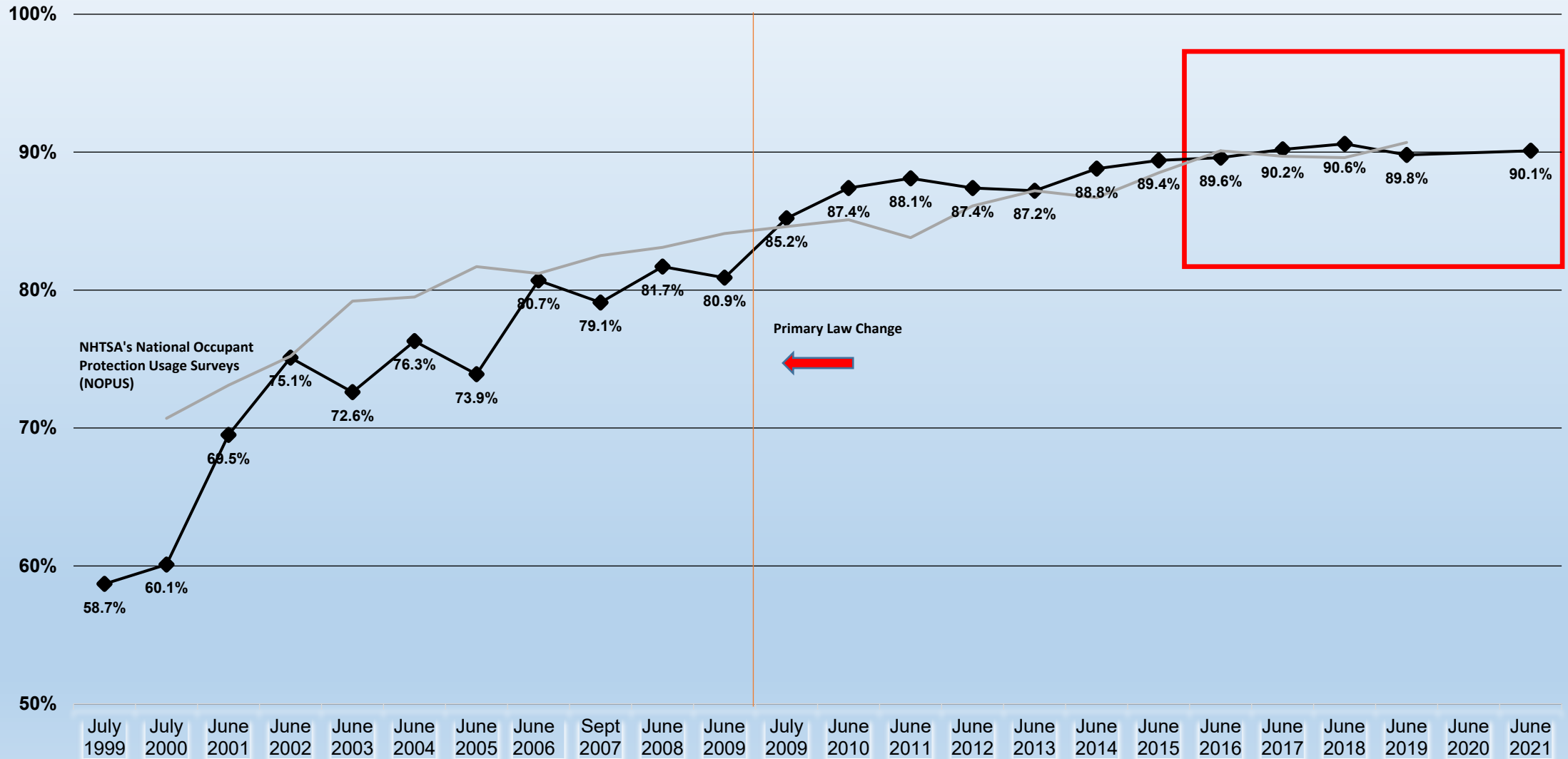
	(n)	%
<b>Vehicle Type</b>		
Passenger Cars	13,853	41%
SUVs	11,918	35%
Vans	2,459	7%
Pickup Trucks	5,037	15%
Other/Unk	343	1%
<b>Road Type</b>		
Interstates	6,984	21%
Principal Arterials	9,040	27%
Minor Arterials	8,080	24%
Collectors	5,884	18%
Local Roads	3,622	11%

A diverse crowd of people, including men and women of various ethnicities, are shown cheering and clapping enthusiastically. The background is slightly blurred, focusing attention on the people in the foreground. The overall mood is one of excitement and celebration.

**So what is the  
2021 Florida seat belt use rate?**

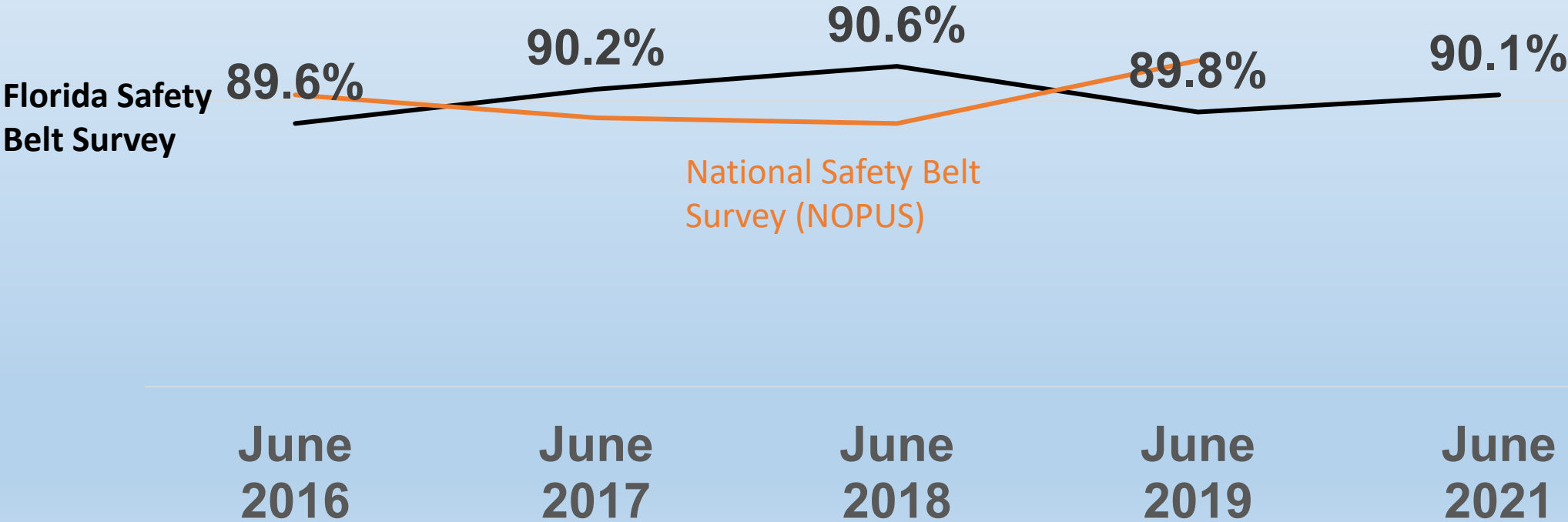
**90.1%**

# Seat Belt Usage Trend Line

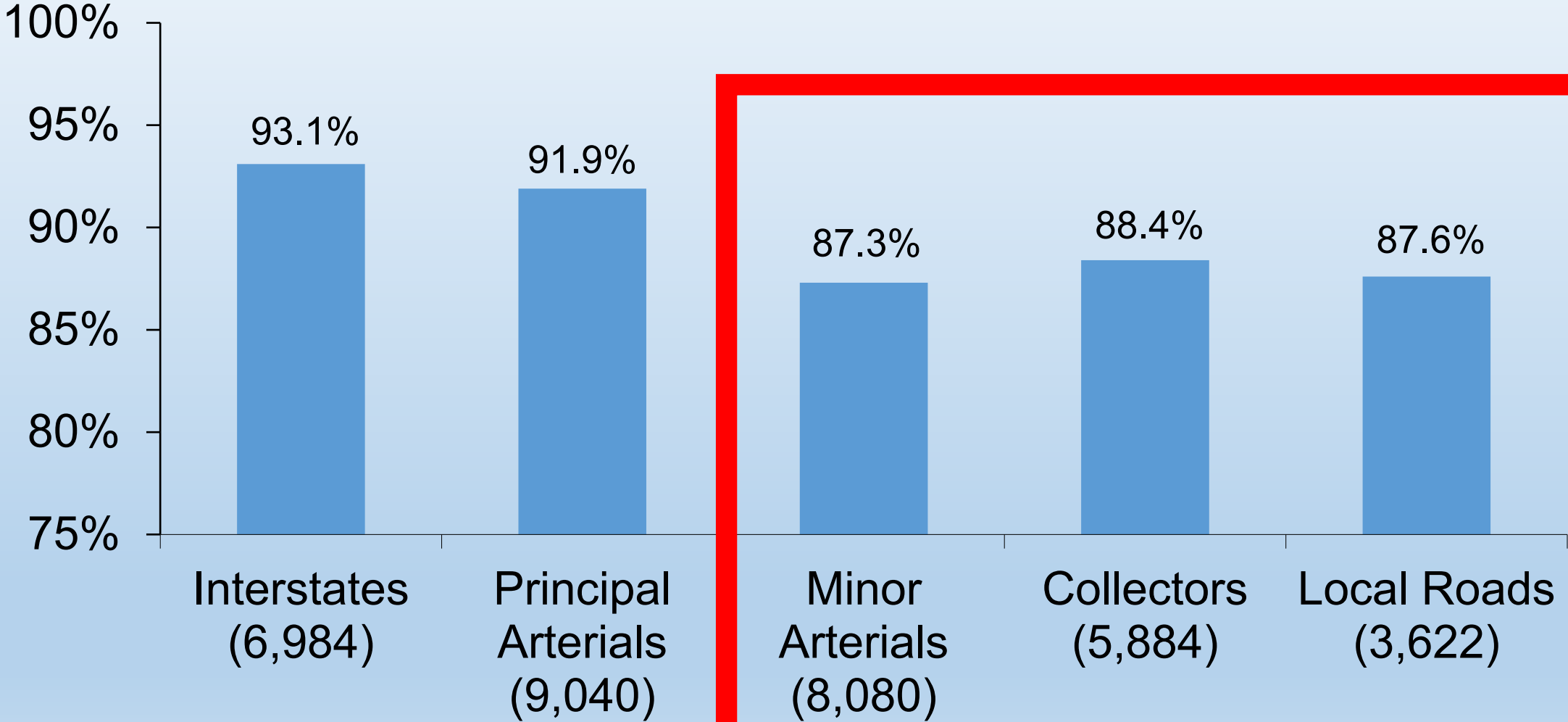




# Five Year Trend



# By Road Type



# Trend for Road Type

100%  
95%  
90%  
85%  
80%

2016 2017 2018 2019 2021

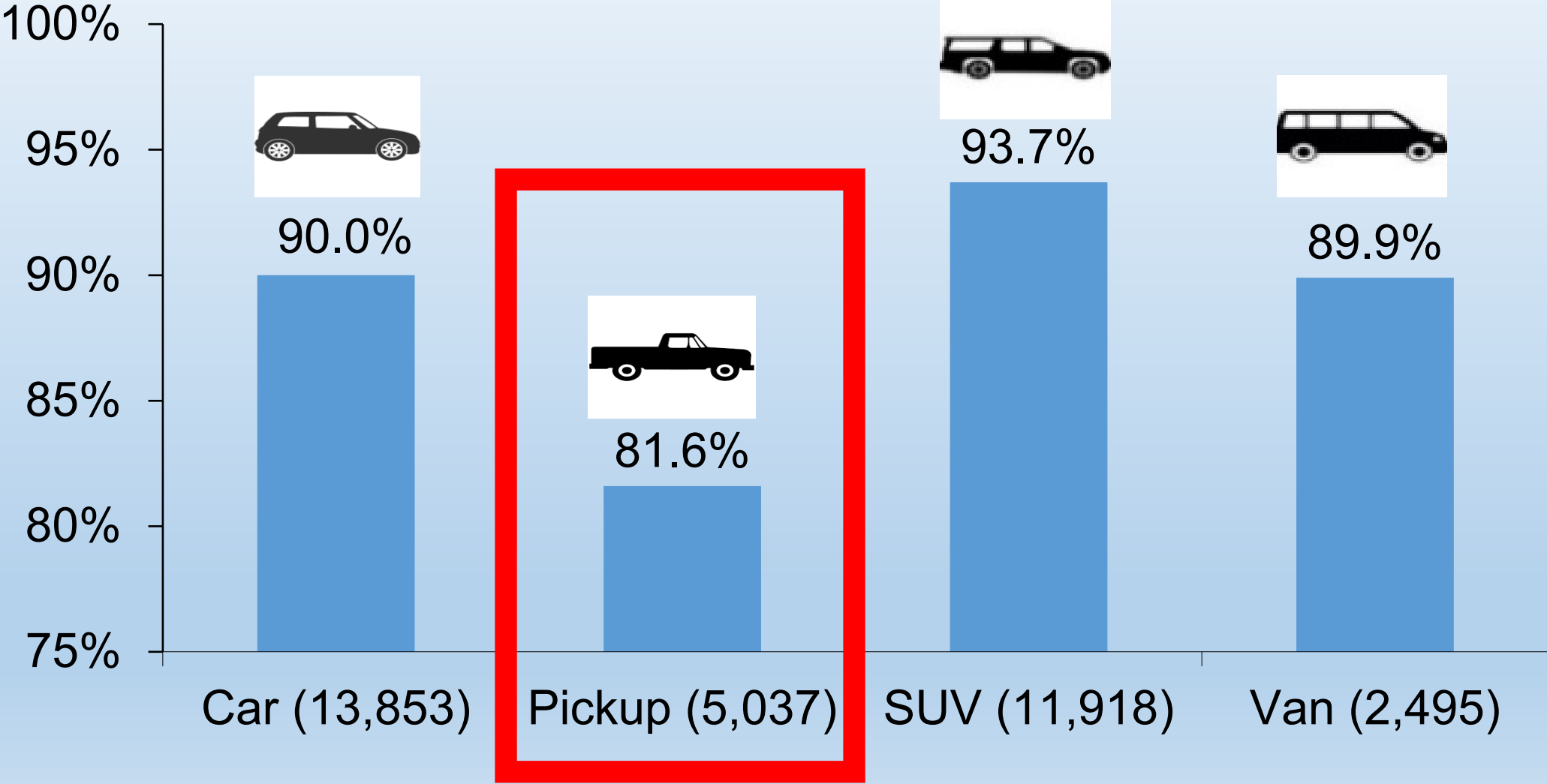
Higher Density  
Higher Speed Roads

More Localized  
Roads

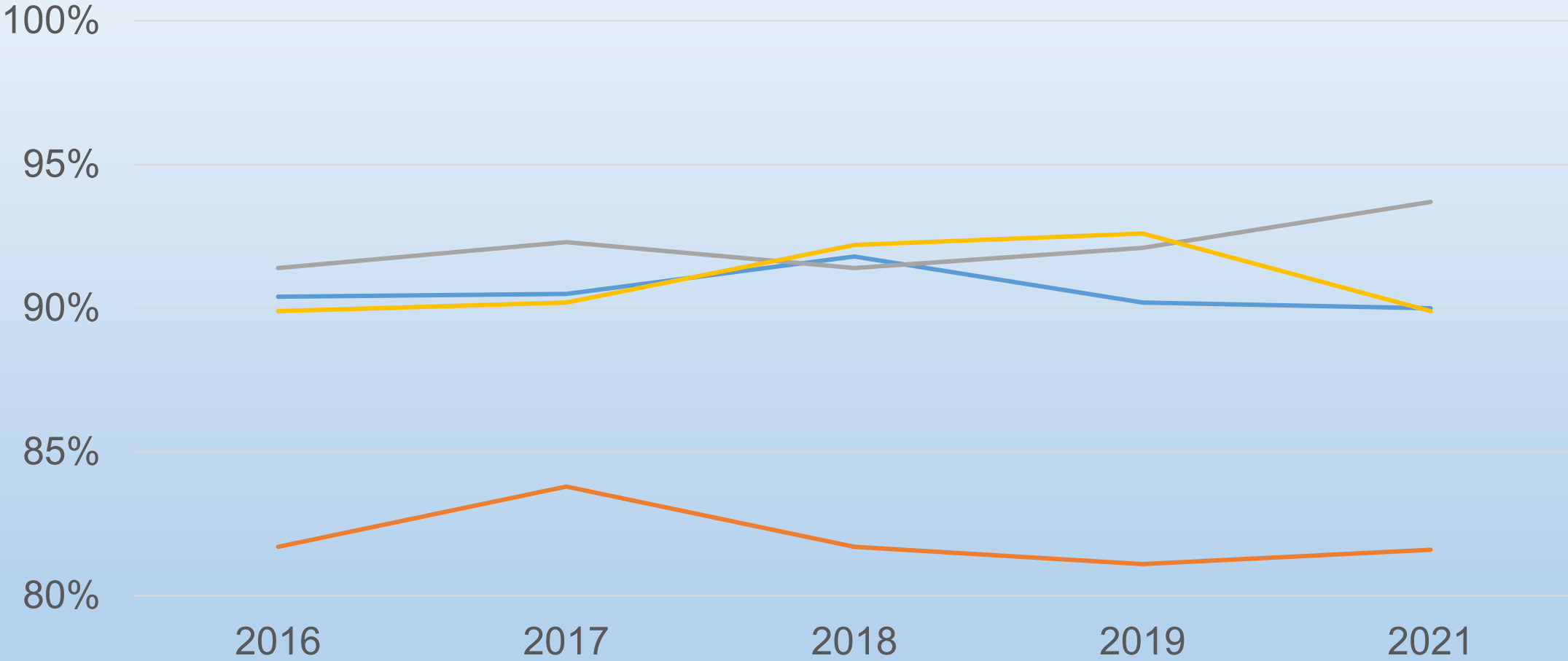
Interstates Prin Arts Minor Arts Collectors Local Roads



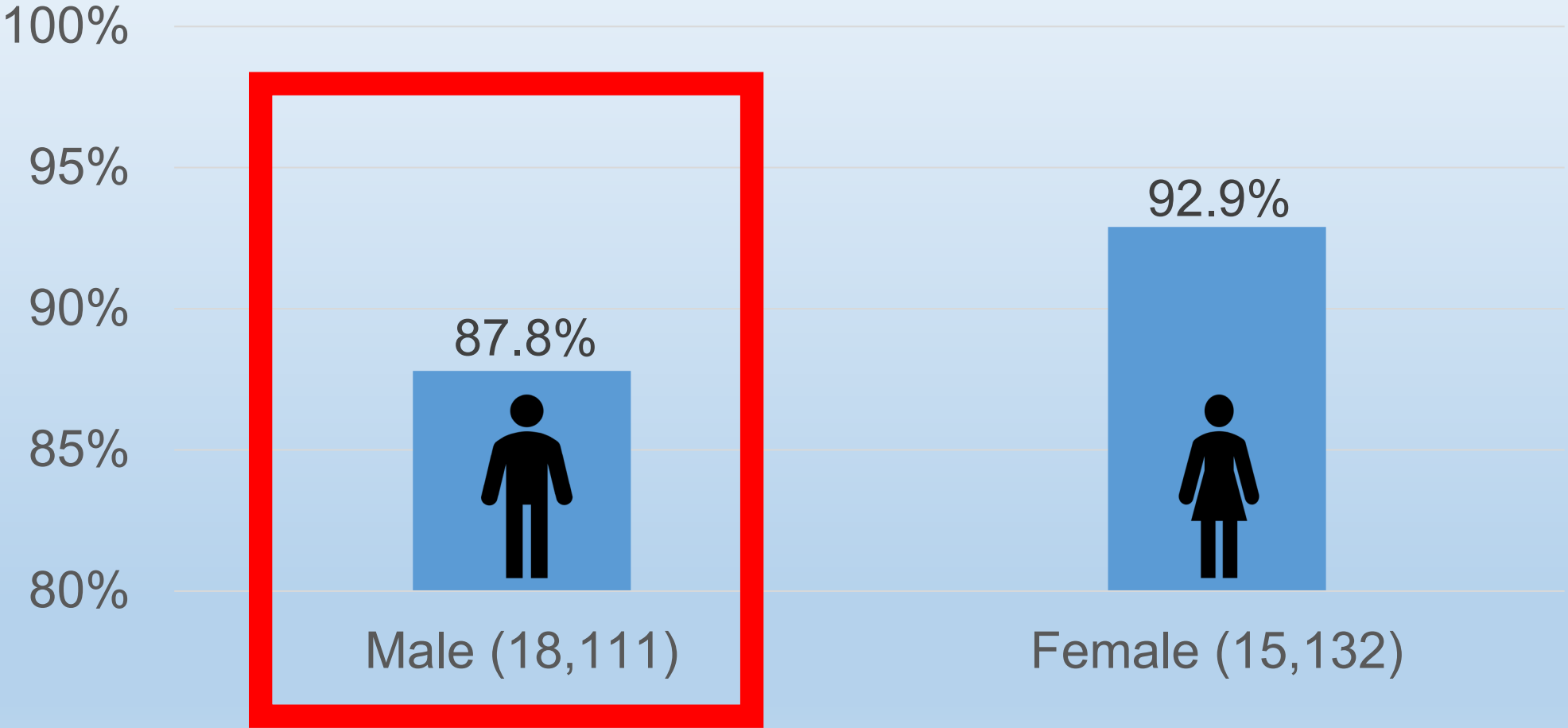
# By Vehicle Type



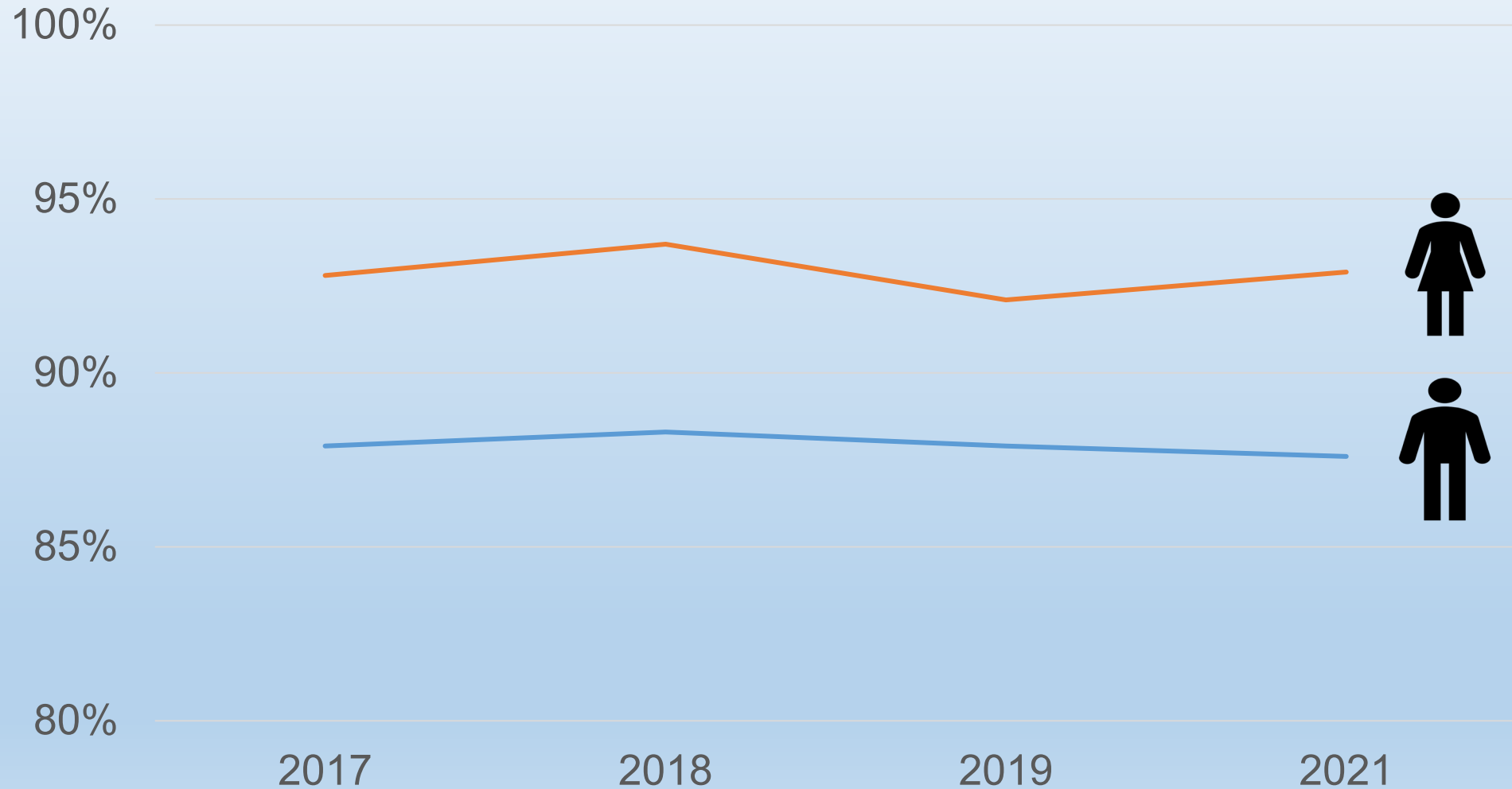
# Trend for Vehicle Type



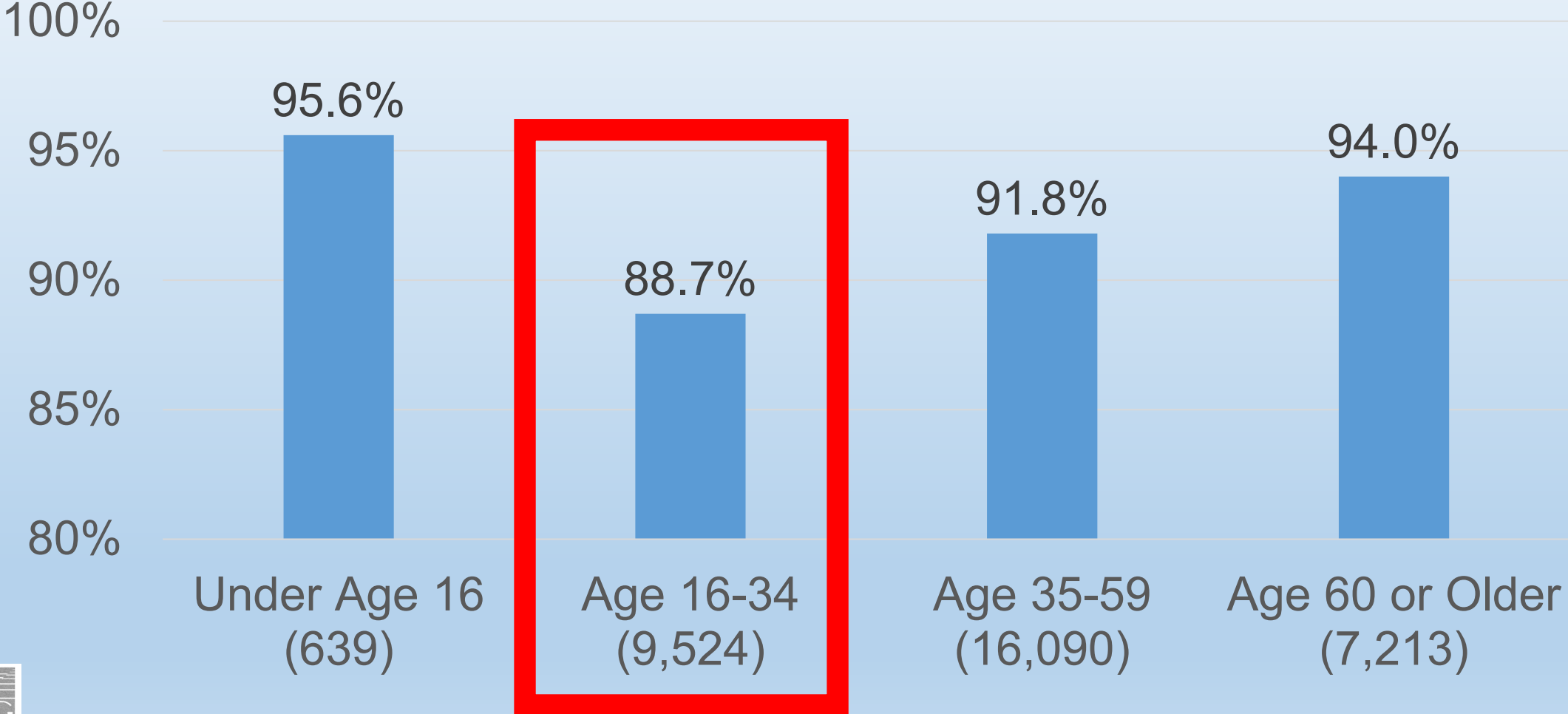
# By Occupant Sex



# Trend for Sex of Occupant

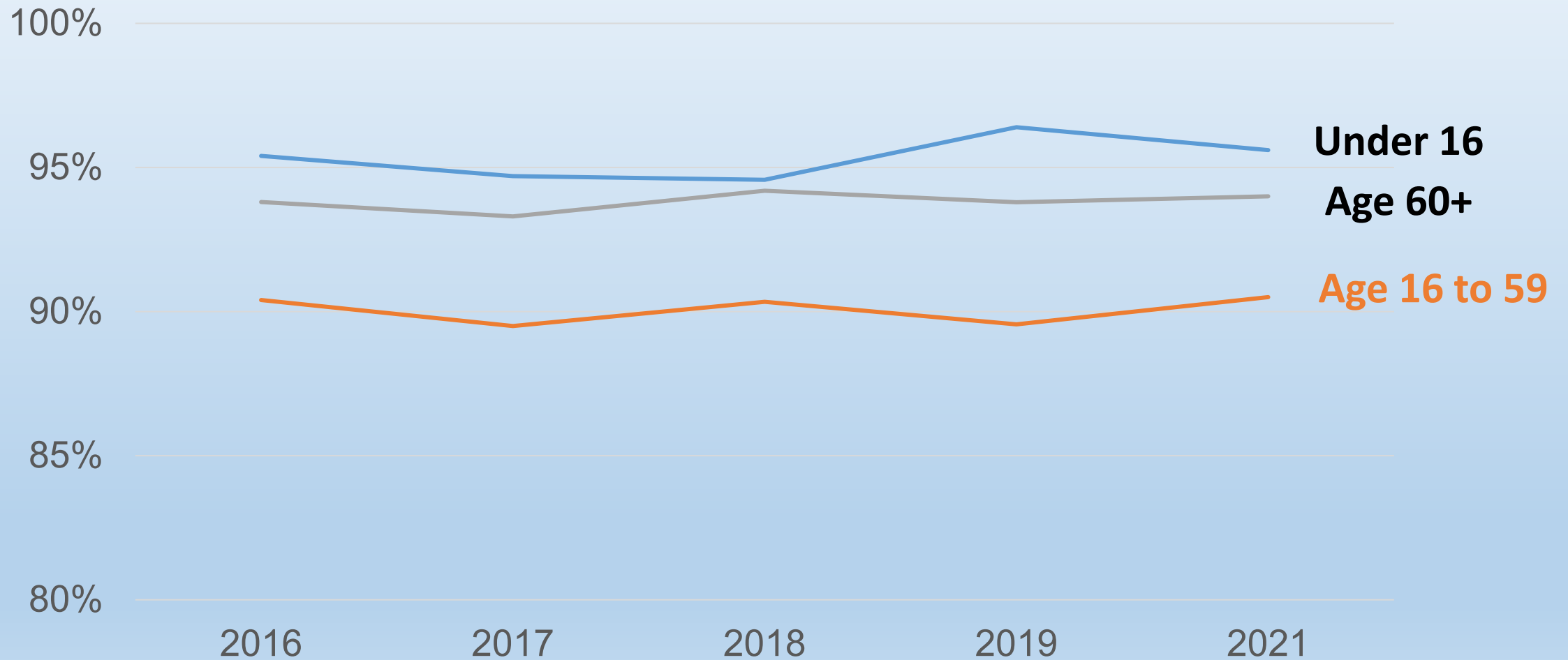


# By Occupant Age

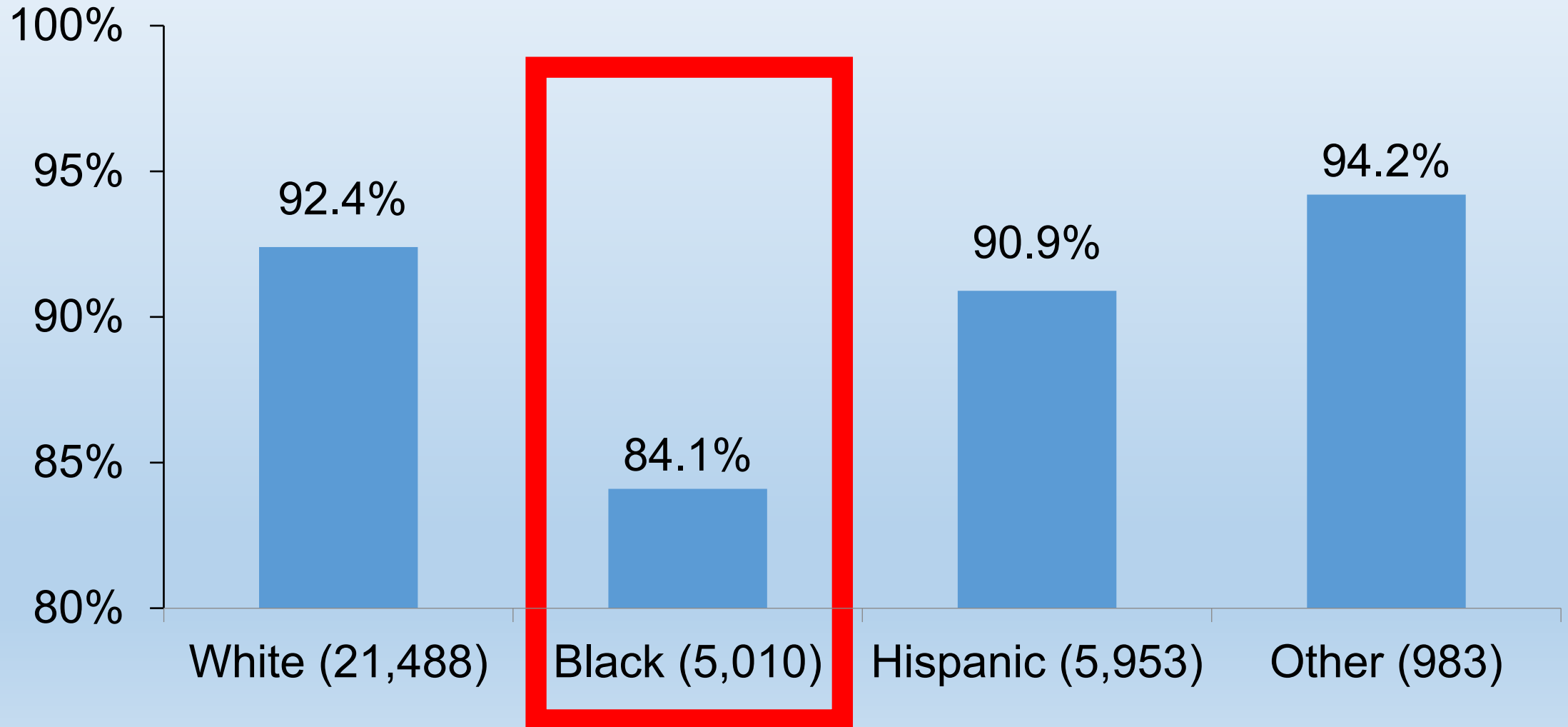




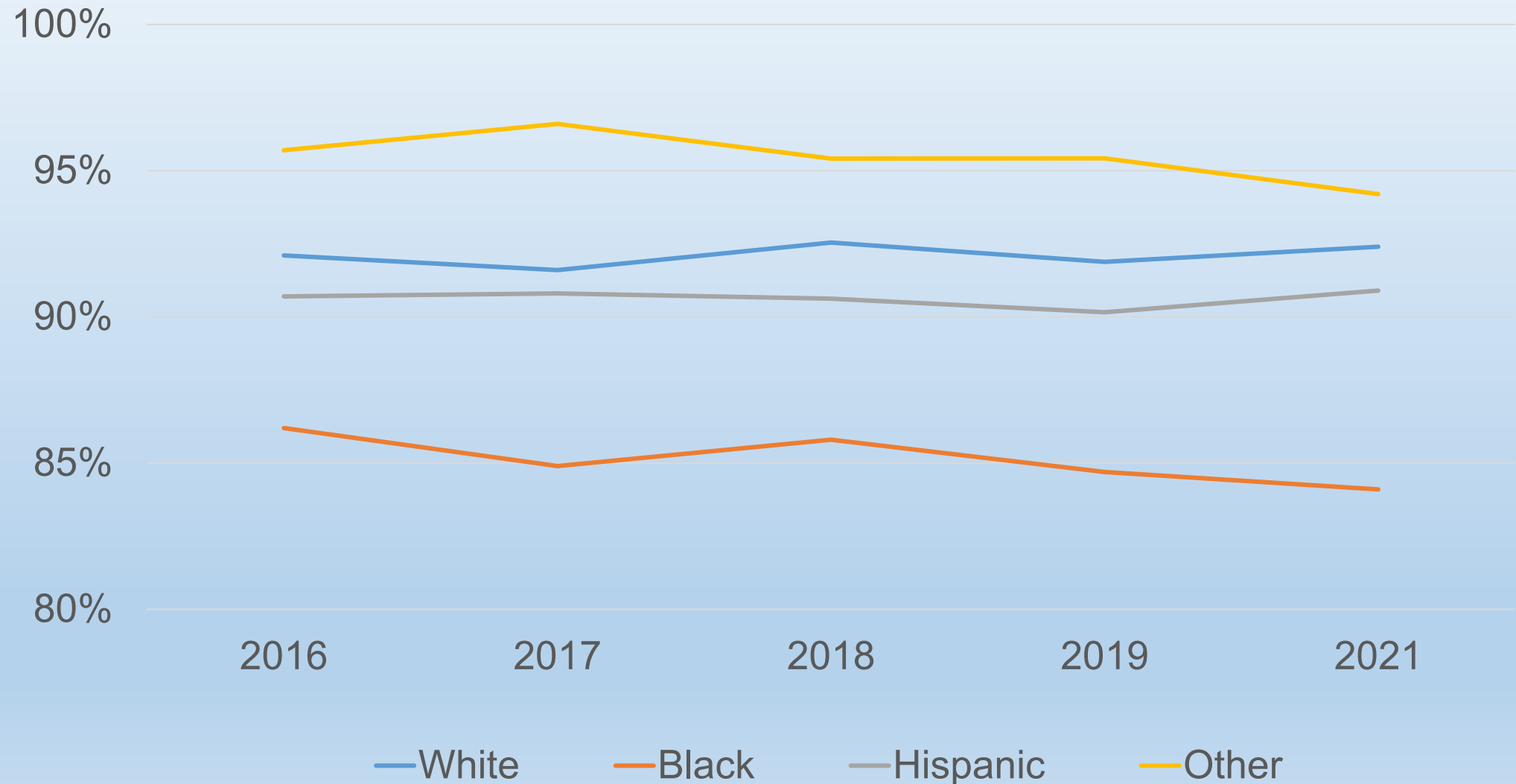
# Trend for Occupant Age



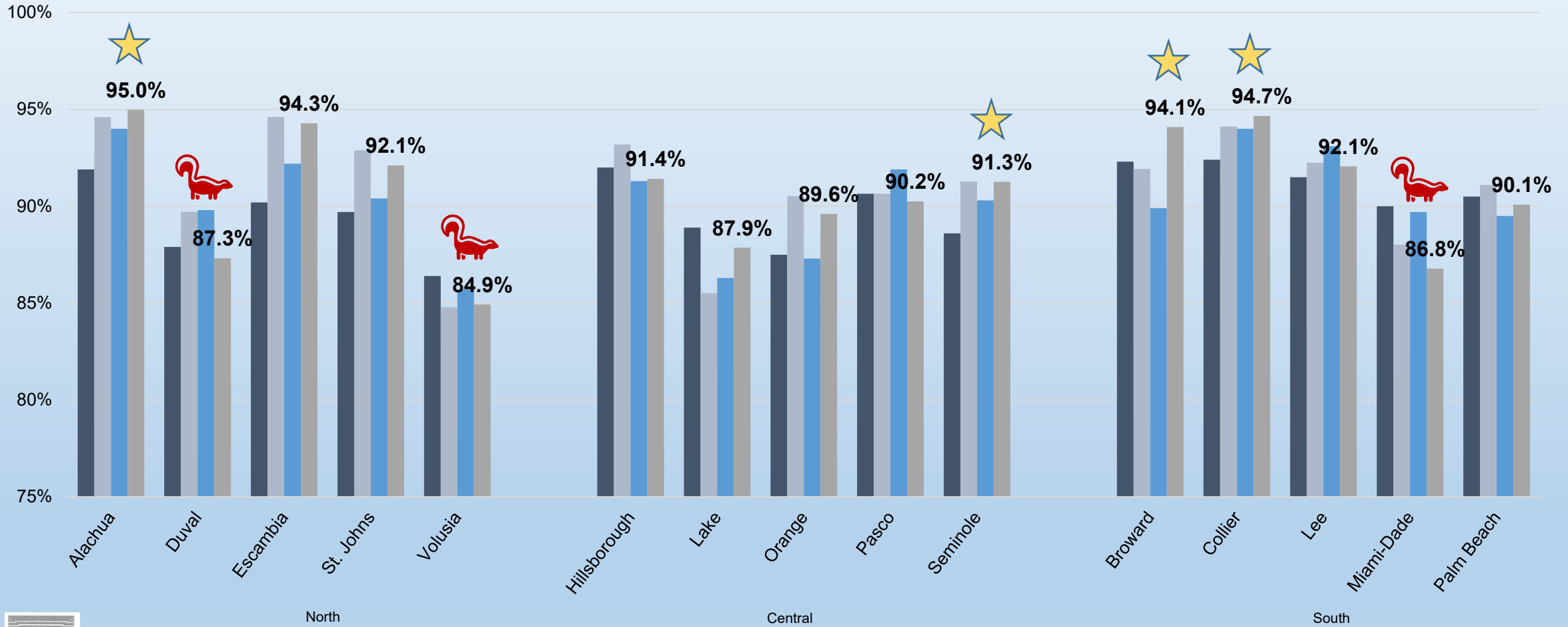
# By Occupant Race/Ethnicity



# Trend for Race/Ethnicity



# County Usage from 2017 to 2021



# Conclusions

- Florida's statewide safety belt use rate for 2021 is 90.1 percent
- Near the all-time high 90.6 percent (2018)
- Maintained upward trend over the last decade; +9.2 percentage points (80.9% to 90.1%)
- There is still room for improvement among the "usual culprits":
  - Local Roadways
  - Occupants in pickup trucks
  - Male occupants
  - Occupants ages 16-34
  - Black occupants
- Look at additional sources (crash data, awareness data, trauma data, etc.)
- Use countermeasures that work to address low use groups

# The End