

Bicycle and Pedestrian Data

Bicycle and Pedestrian Partnership Council
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Presentation Overview

- ◆ National Household Travel Survey (NHTS)
- ◆ National Bicycle & Pedestrian Documentation Project (NBPD)
- ◆ Crash Data
 - ✓ Long Term Trends
 - ✓ County Level
 - ✓ GIS Tools



National Household Travel Survey

Car	74.00%	70.44%	46.10%	44.30%
Van, SUV, Truck	15.41%	16.39%	38.50%	38.20%
RV, Motorcycle	0.37%	0.31%	0.50%	0.30%
Public Transportation	0.62%	1.96%	1.30%	2.20%
Walk	6.64%	7.22%	9.40%	11.00%
Bicycle	0.80%	0.71%	1.30%	1.00%
Other	2.16%	2.96%	2.80%	3.00%
Total	100%	100%	100%	100%



National Bicycle & Pedestrian Documentation Project (NBPD)

- ◆ Developed by ITE Pedestrian & Bicycle Council
- ◆ To support funding, allocation of capacity and right-of-way, develop exposure rates, and measure our performance
- ◆ The NBPD provides:
 - ✓ Materials and guidance to conduct counts and surveys in a consistent manner
 - ✓ Standard count dates and times
 - ✓ Location where data can be stored
 - ✓ Shares information with the public



Major Findings to Date of NBPD

- ◆ Many trips are transportation related
 - ✓ 44-63% of pedestrian trips
 - ✓ 25-37% of bicycle trips
- ◆ Incomes
 - ✓ Pedestrians lower-than-average
 - ✓ Bicyclists higher-than-average
- ◆ Few distinct peak hour patterns for pedestrians or bicycles
- ◆ Adjacent land use plays a large role in pedestrian peak periods and patterns of hourly use
- ◆ Visitor destinations have distinct use patterns
- ◆ Trip purpose, length, and other survey data is highly sensitive to the survey location and survey method

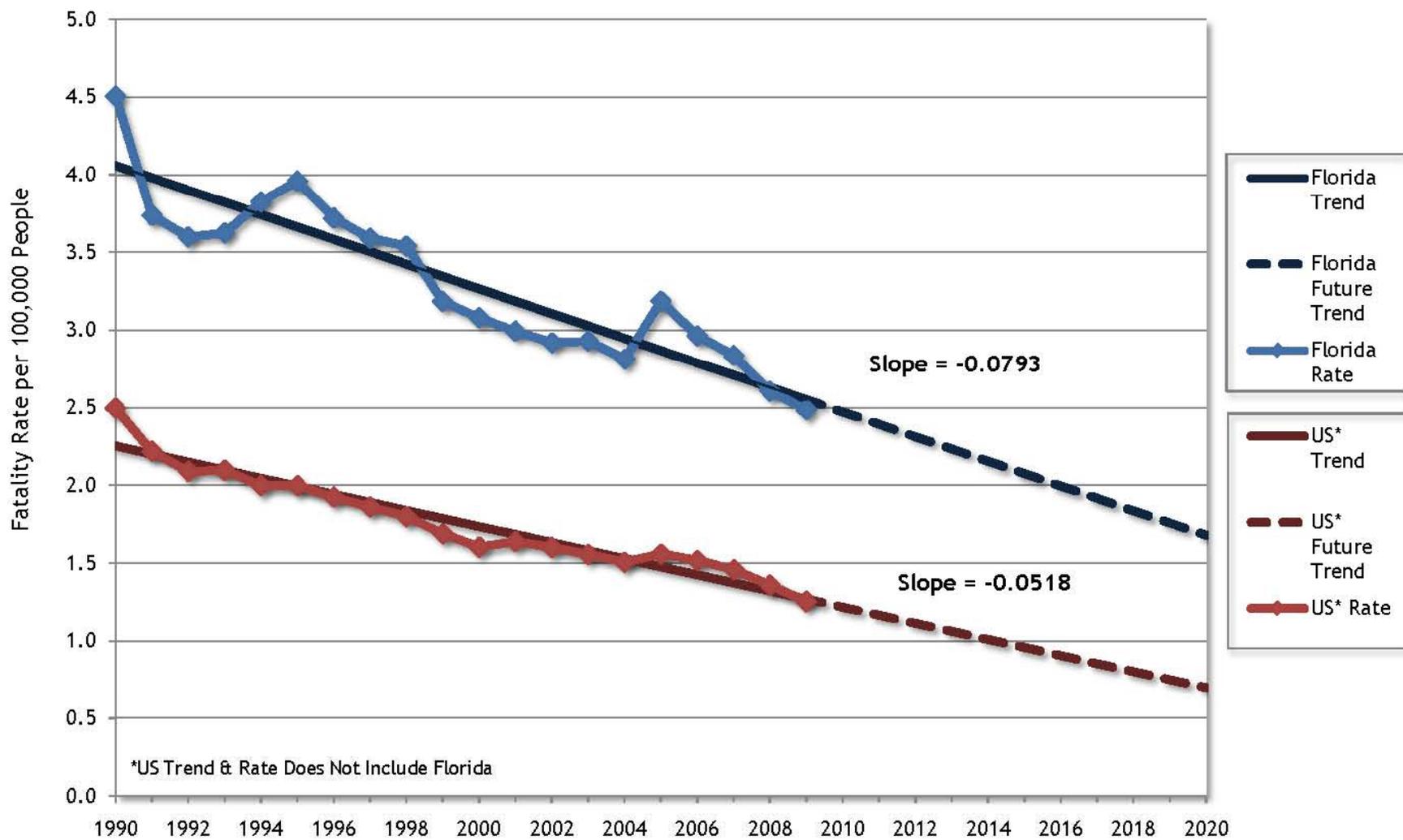


Major Findings to Date of the NBPD – Shared Use Paths

- ◆ Climate plays a significant role in volume of use
- ◆ Can be primarily transportation facilities
- ◆ Generally attract much higher numbers of bicyclists and pedestrians than on-street facilities (sidewalks, streets)
- ◆ Even on paths with high recreational use, there are still much higher numbers of transportation-related trips than on-street
- ◆ Indicator of pedestrian activity
 - ✓ Employment density ($r = .976$)
 - ✓ Proximity to a path ($r = .879$)

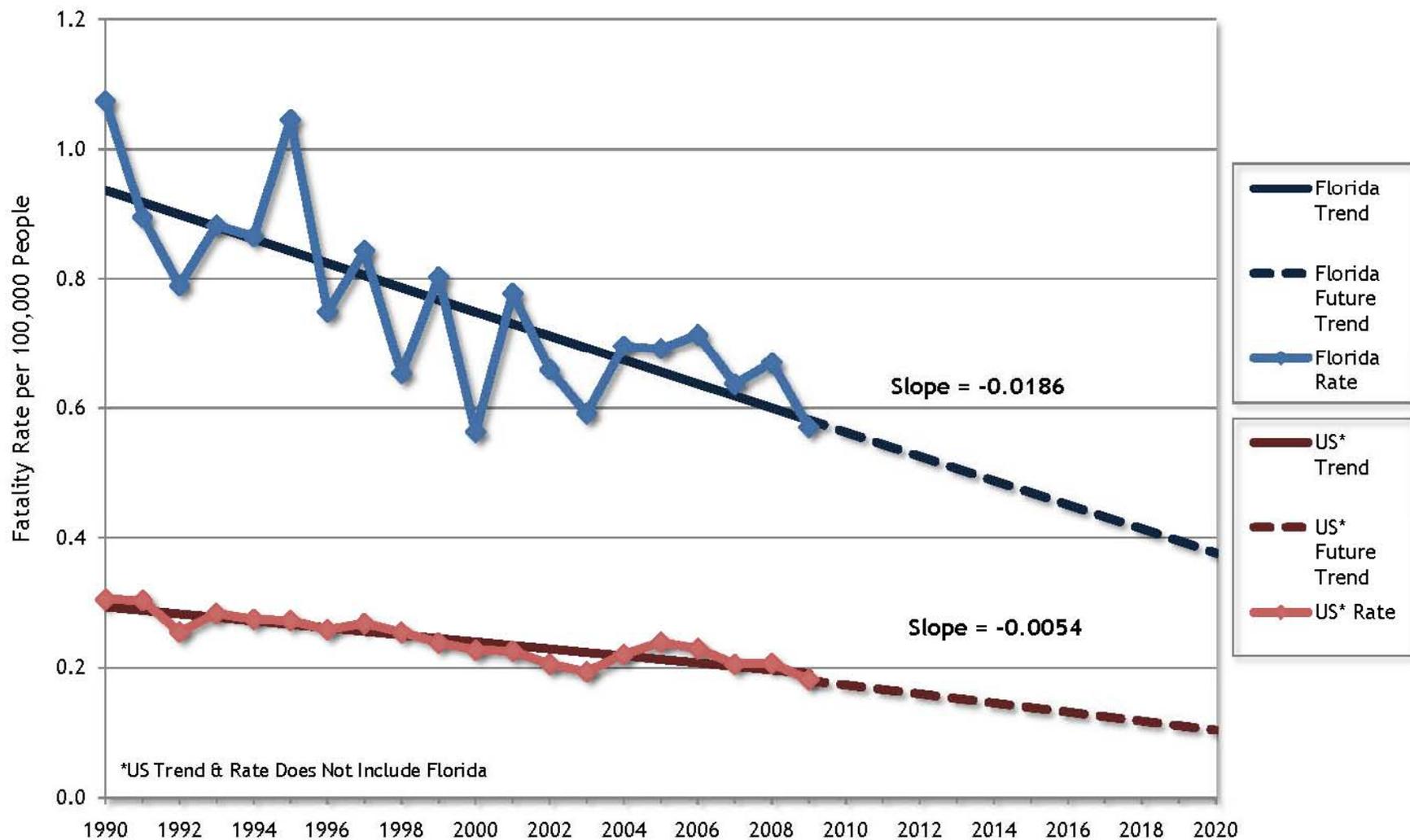


Florida and US Pedestrian Fatality Rate Trends 1990 - 2020



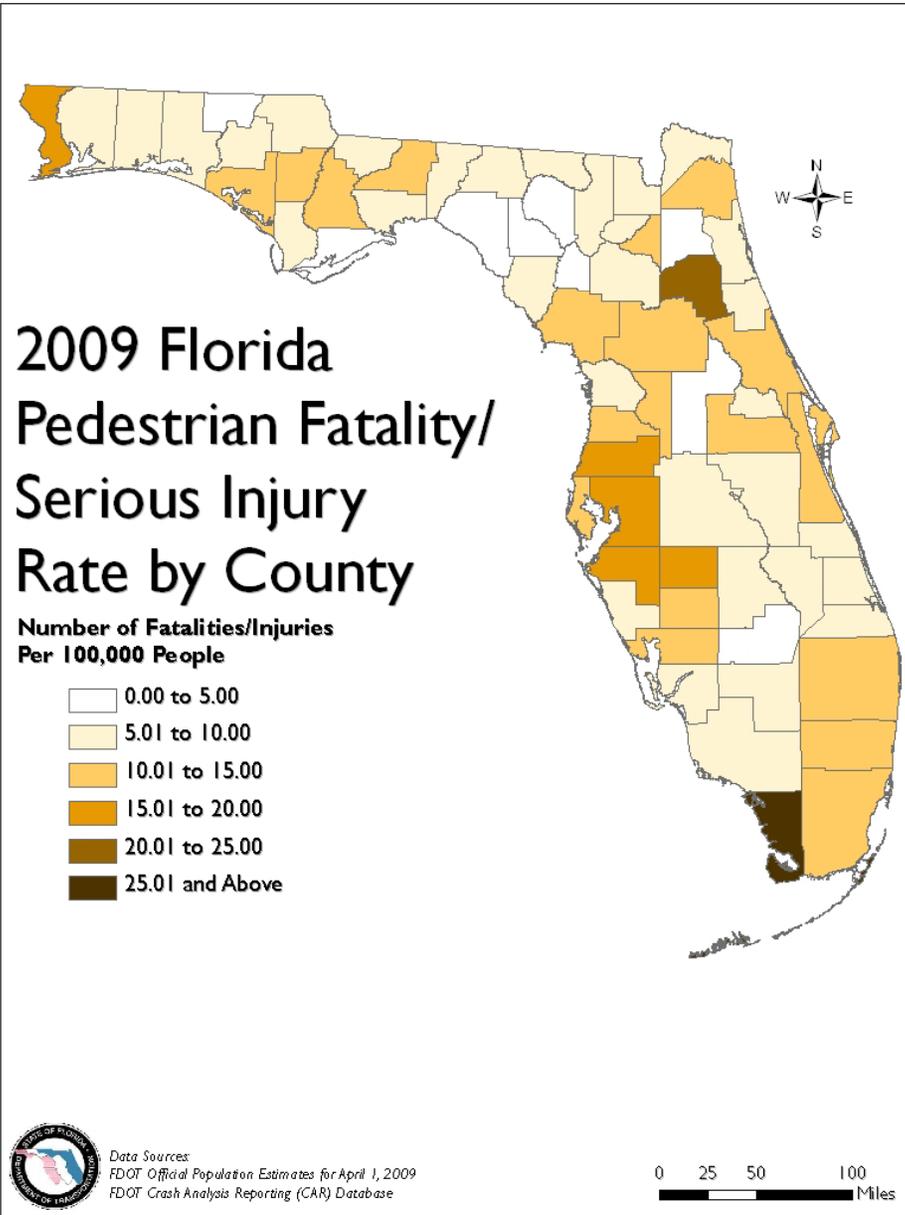
Data Sources: US Census Bureau; National Highway Traffic Safety Administration's (NHTSA) Fatality Analysis Reporting System (FARS); Department of Highway Safety and Motor Vehicles (DHSMV)

Florida and US Bicycle Fatality Rate Trends 1990 - 2020

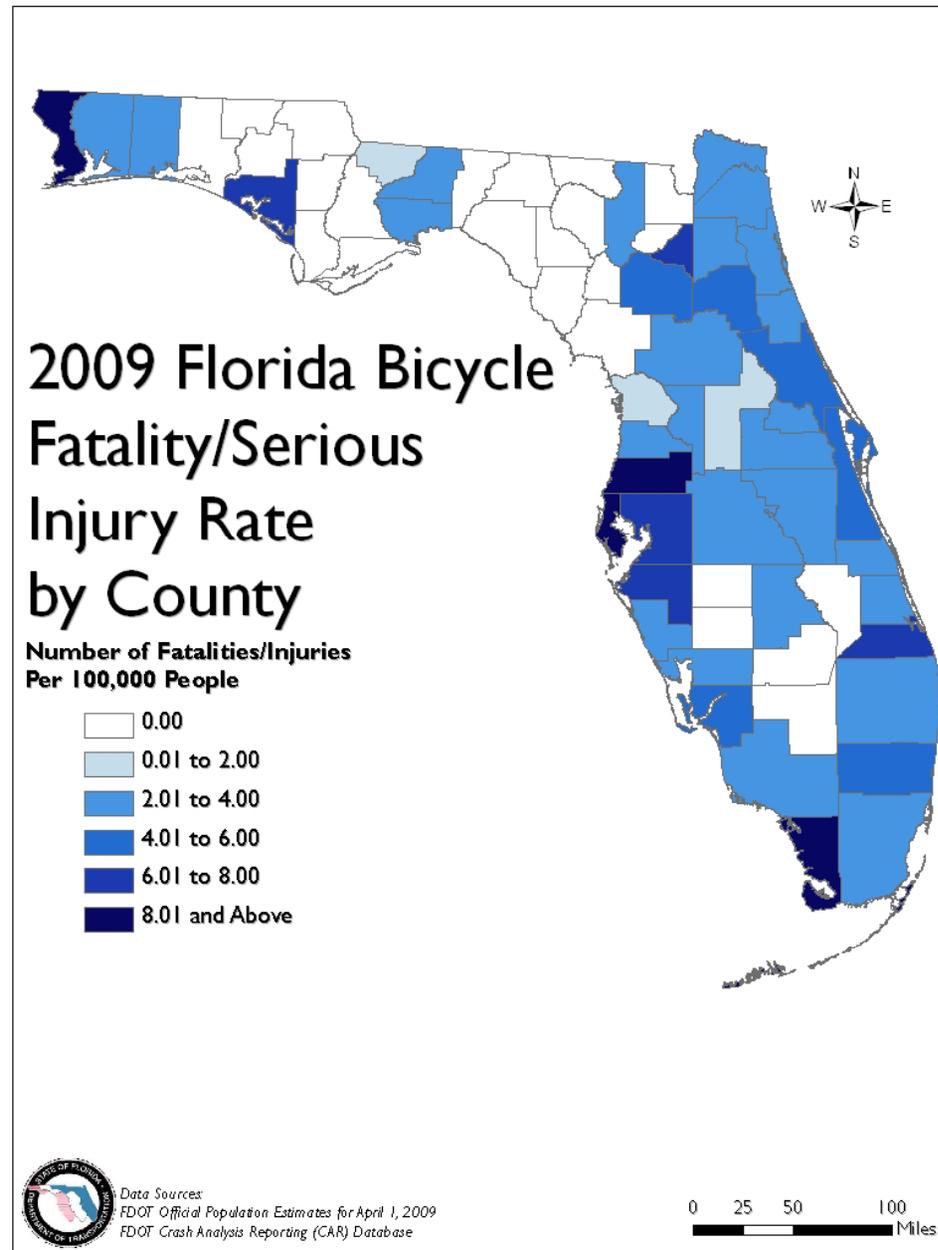


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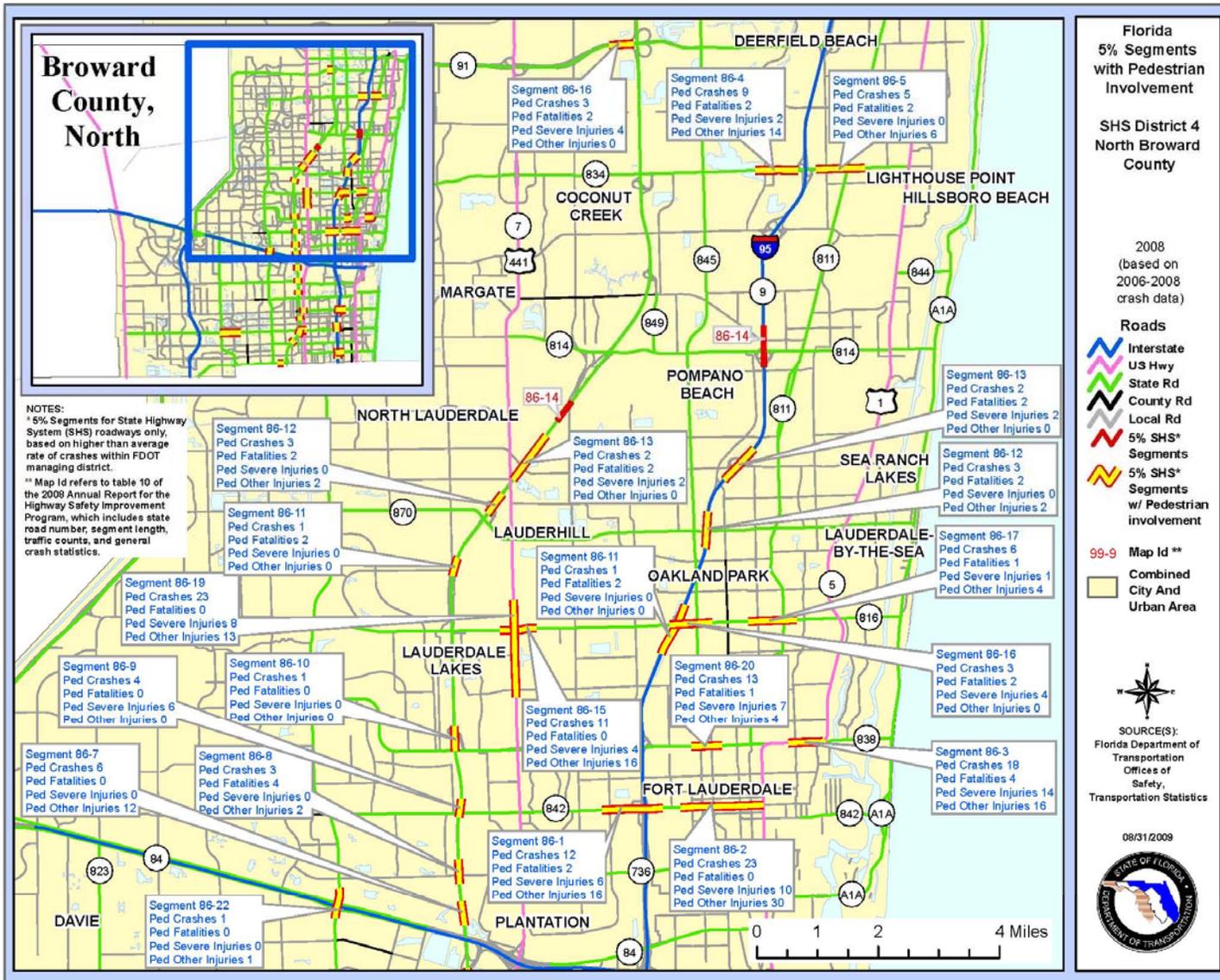
Fatal and Serious Injury Crash Rates - Pedestrians



Fatal and Serious Injury Crash Rates - Bicyclists



HSIP Pedestrian Crashes – State Roadways



Questions?



"It's your time to shine."



Buckle Up, Sit Up, Hang Up, and Drive!

