

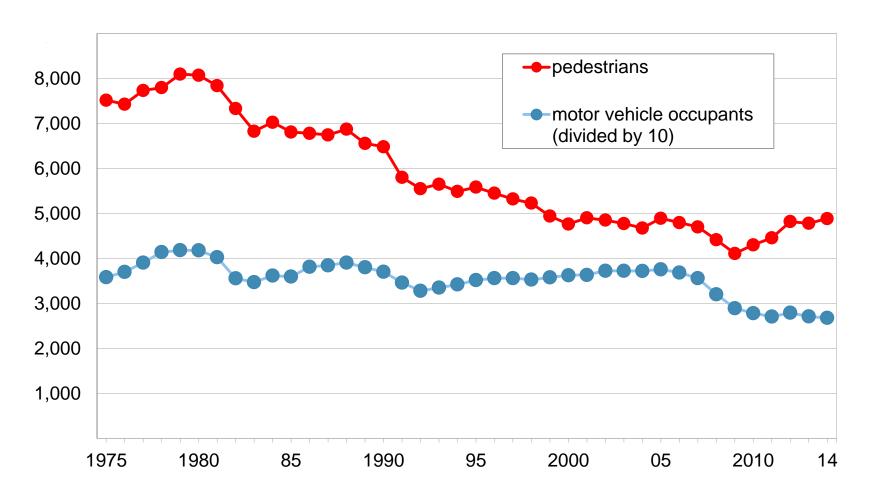
U.S. pedestrian crash picture: Trends and factors

NTSB Pedestrian Forum May 10, 2016

Jessica Cicchino

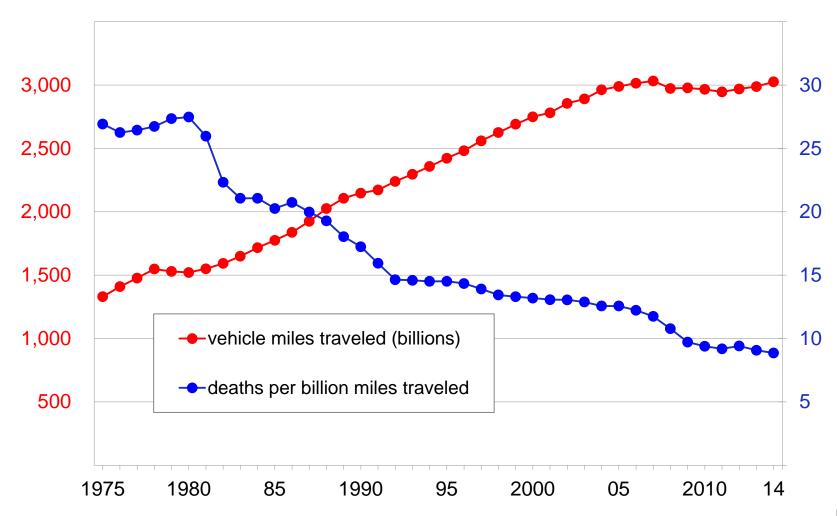
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Pedestrian and motor vehicle occupant deaths



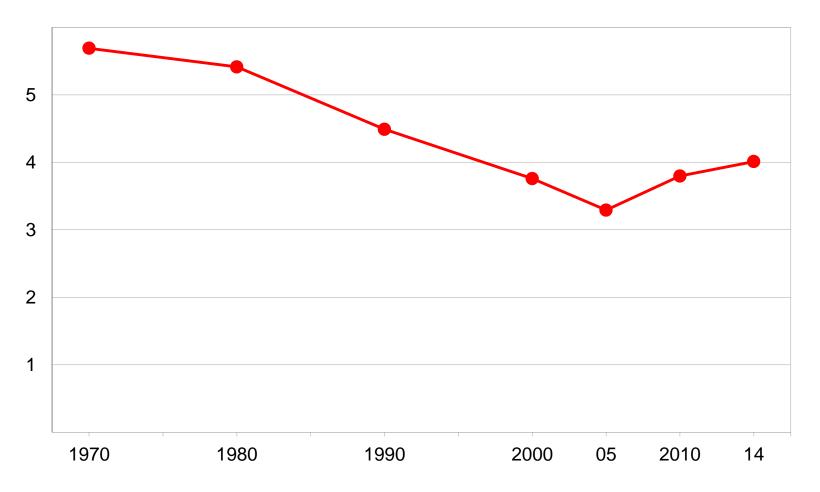


Vehicle miles traveled and motor vehicle occupant deaths per billion VMT



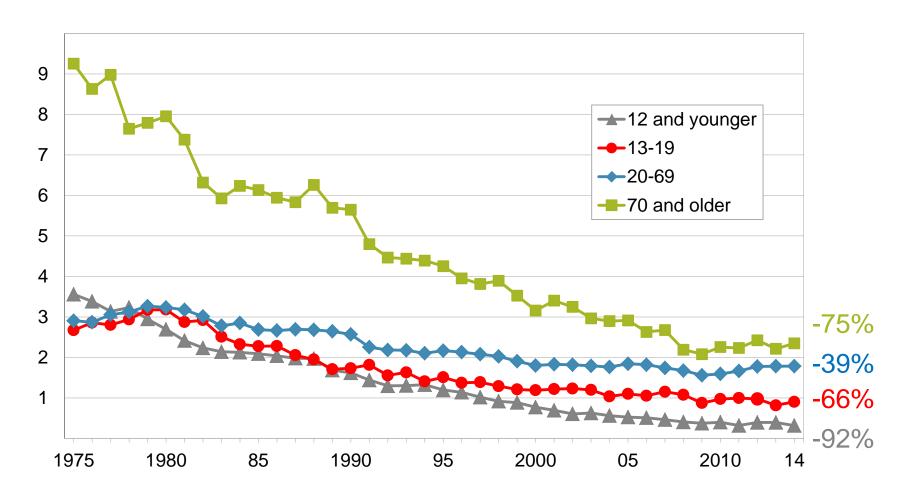


Number of people age 16 and older who walk to work (millions)





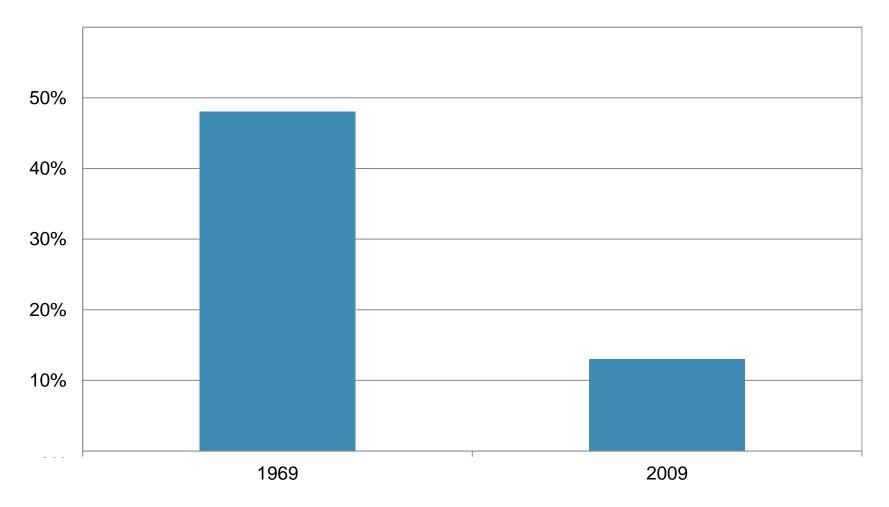
Pedestrian fatality rates per 100,000 population by age





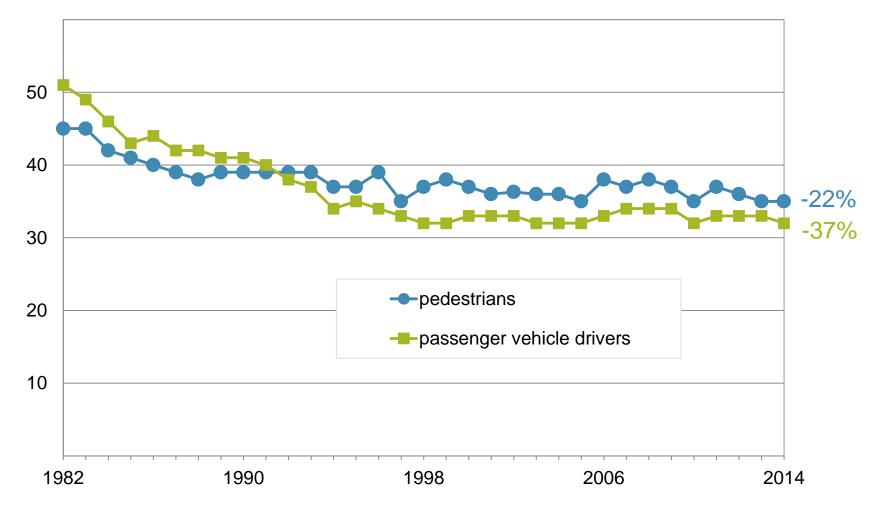
Percent of children in grades K-8 who usually walk or bike to school, 1969 and 2009

National Center for Safe Routes to School, 2011





Percent of fatally injured pedestrians and drivers ages 16 and older with BACs ≥ 0.08%





Percent of fatally injured pedestrians and drivers ages 16 and older with BACs ≥ 0.08%, by age

	pedestrians	passenger vehicle drivers
16-20	25	26
21-29	47	48
30-39	46	45
40-49	49	40
50-59	43	30
60 and older	14	11

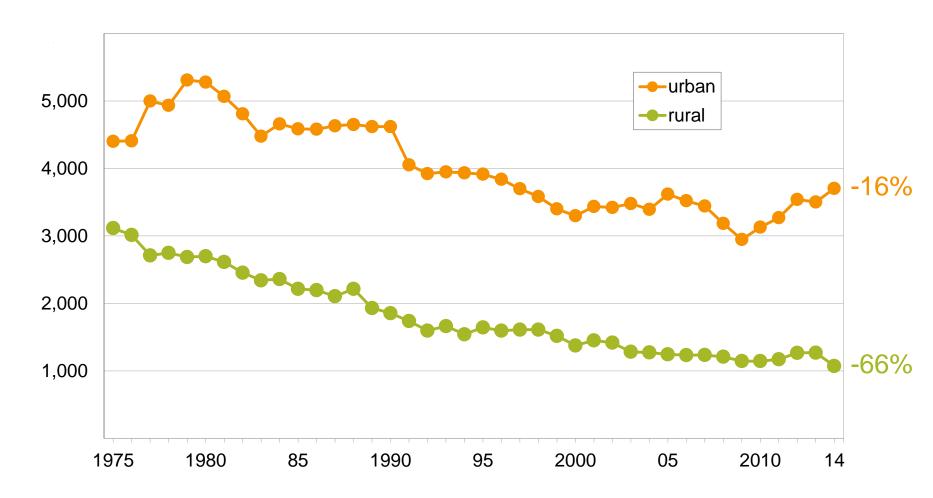


When pedestrian crashes occur (percent) 2010-2014

	non-fatal	fatal
dawn, dusk, or dark	42	75
October, November, or December	31	32

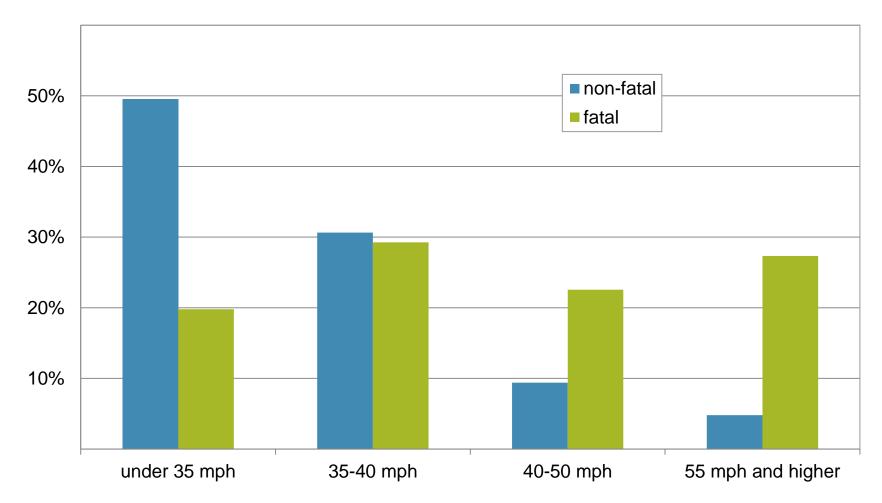


Pedestrian deaths by urban or rural road type



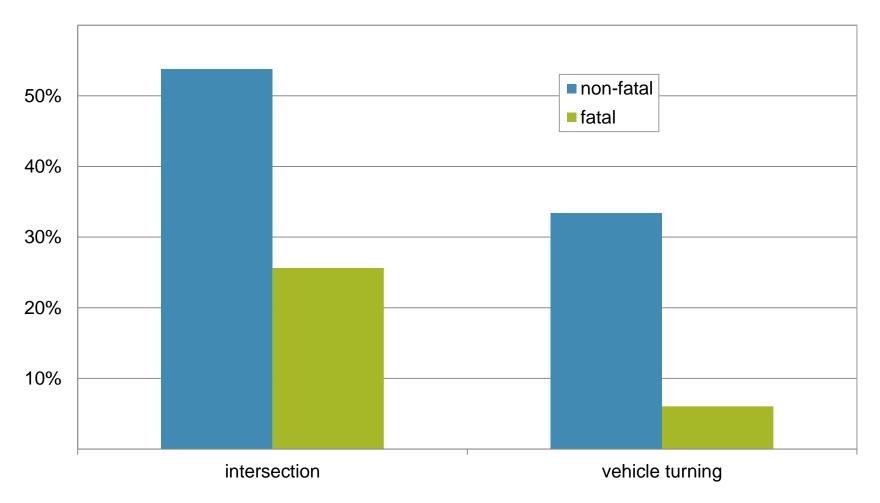


Percent of pedestrians involved in non-fatal and fatal crashes by speed limit





Percent of pedestrians involved in non-fatal and fatal crashes at intersections and with turning vehicles 2010-2014





Data gaps

- Driver and pedestrian behavior immediately prior to crash
 - Naturalistic and in-depth crash studies tend to not focus on pedestrian crashes
- Details of crash circumstances
- Linking crash data to information on pedestrian facilities
- Crashes typically not captured in police-reported databases
 - off public roadway
 - with road users other than motor vehicles (e.g., bicyclists)
- Exposure collected regularly, by characteristics of interest
- Objective measures of exposure
 - National Household Travel Survey and Census are self-report





More information and links to our YouTube channel and Twitter feed at iihs.org

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