

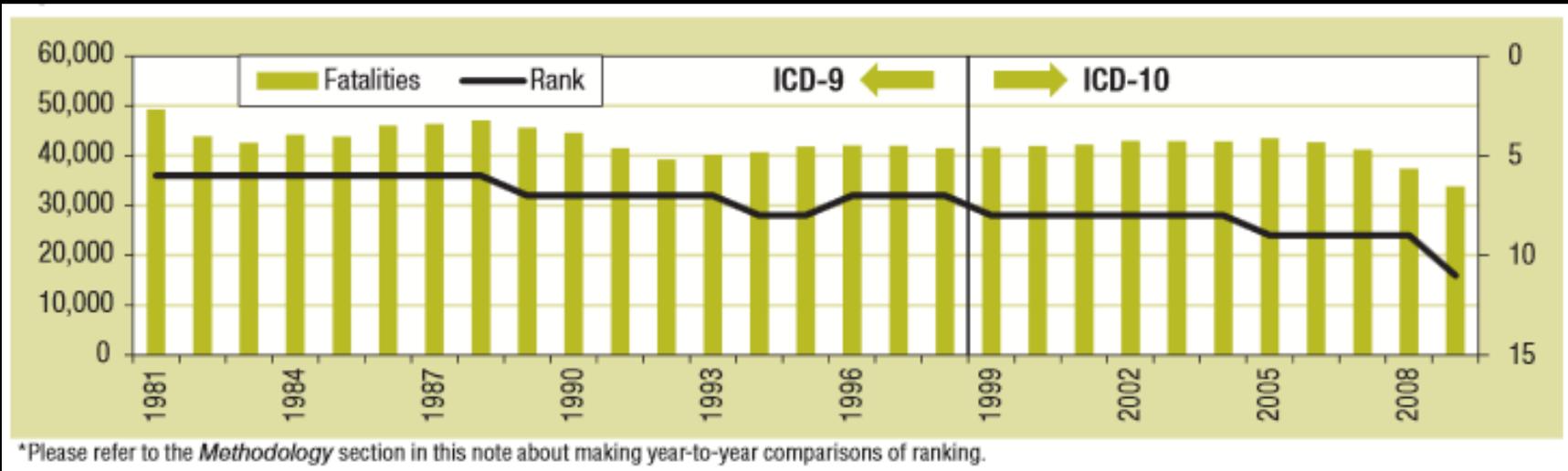
# *Our Traffic Safety Paradigm: What is stopping us?*

**Dr. Nicholas Ward**

*Center for Health  
and Safety Culture*

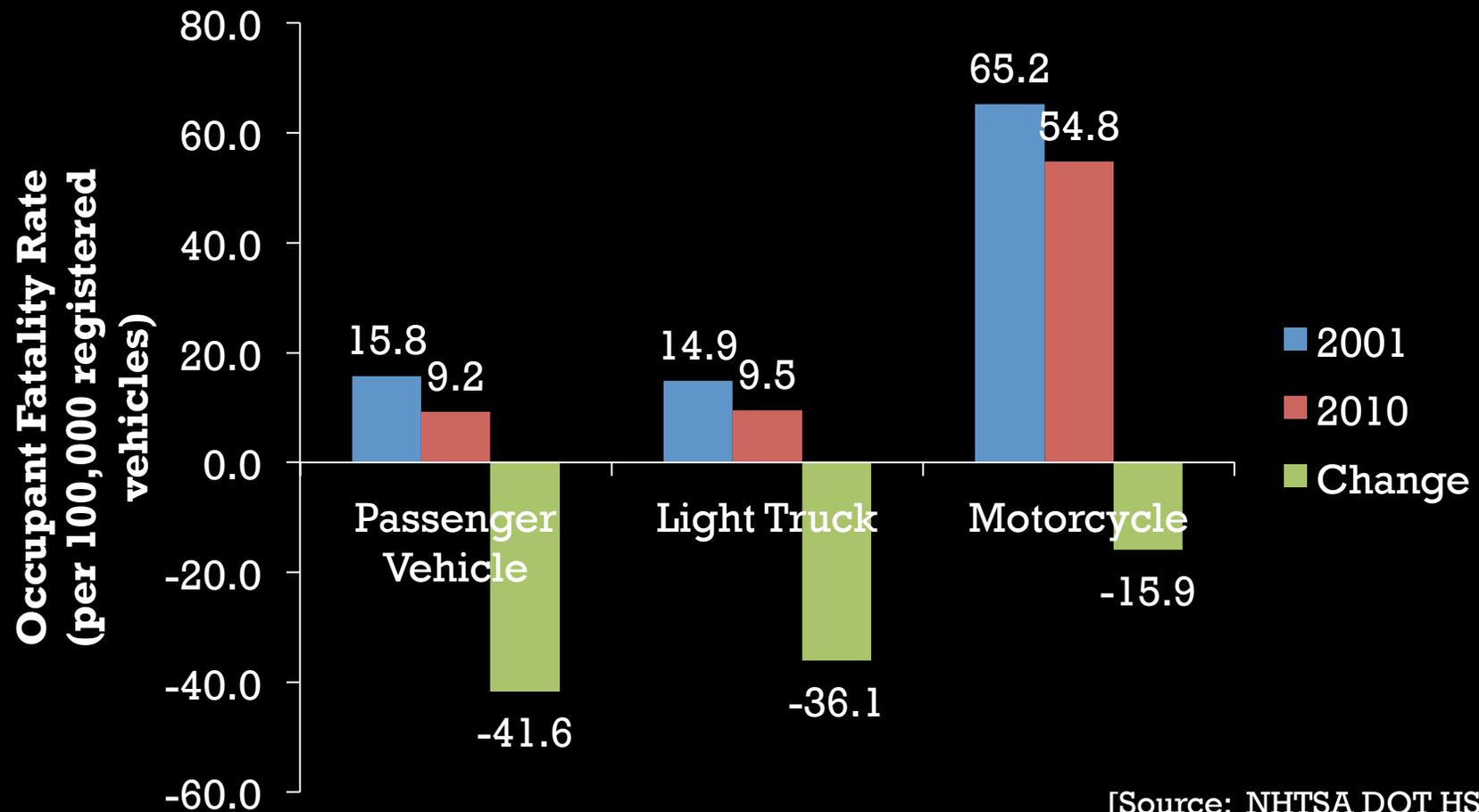
Montana State University

# Traffic Safety



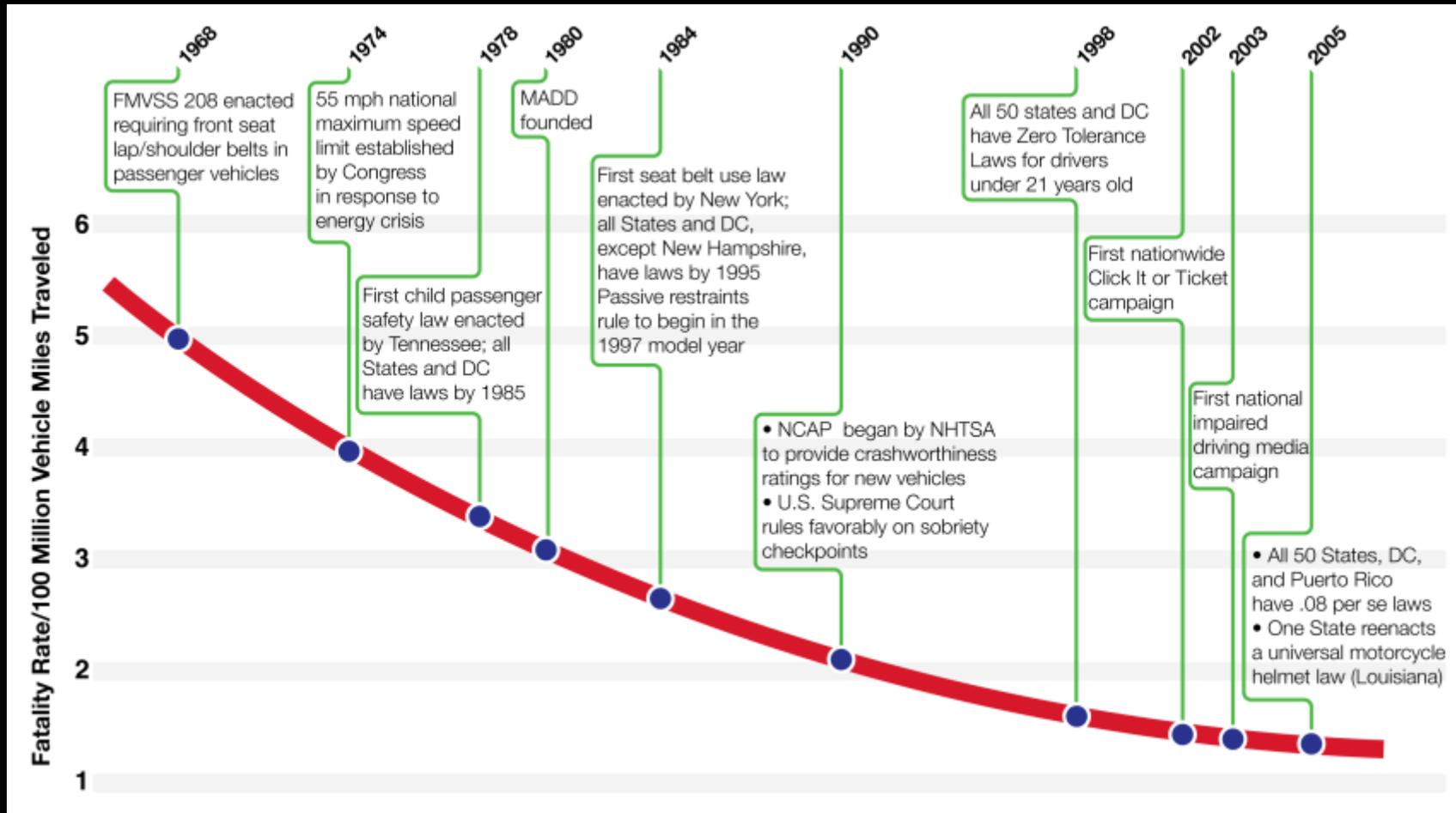
[Source: DOT HS 811 620]

# Fatality Risk (vehicles)

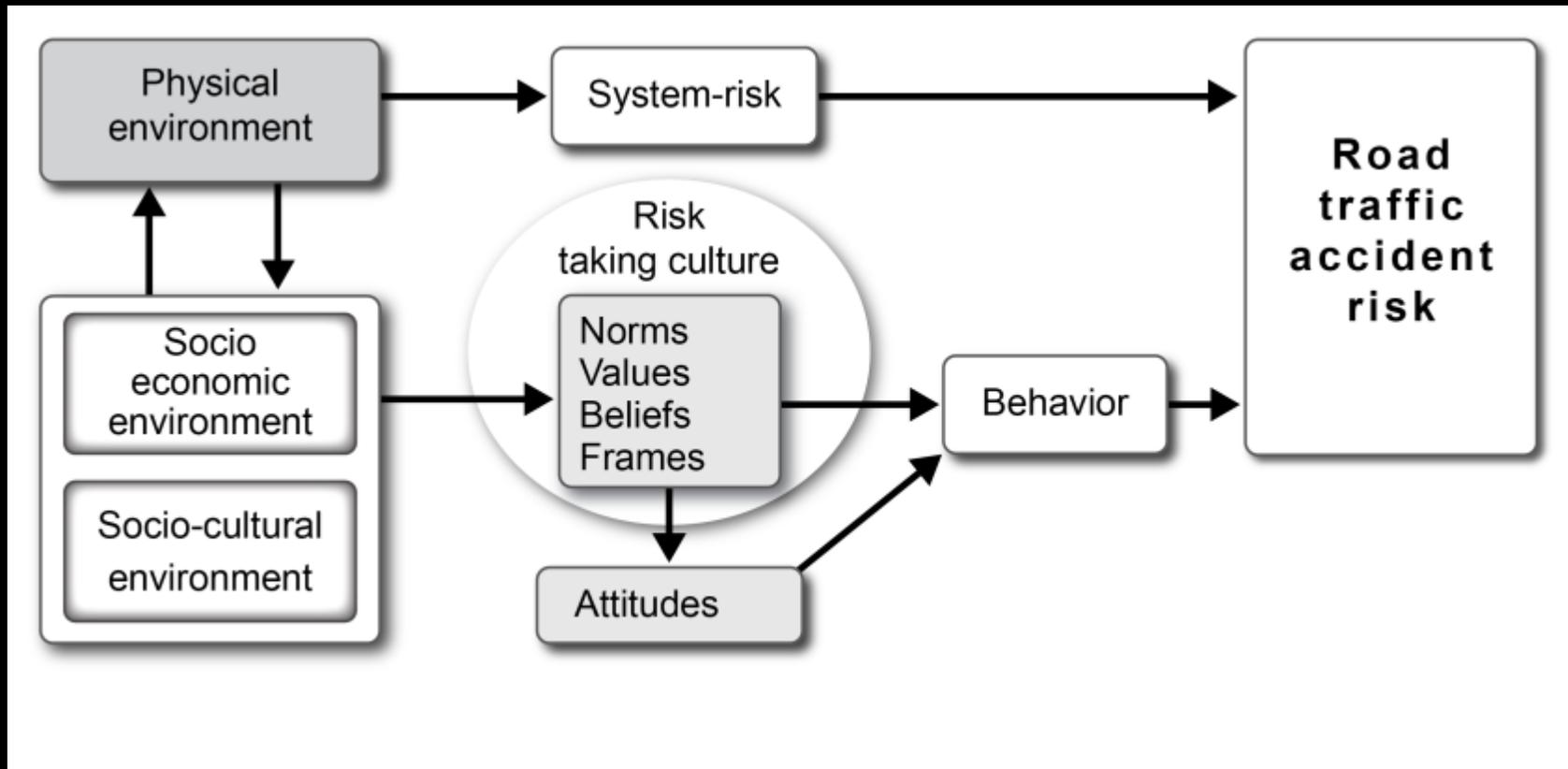


[Source: NHTSA DOT HS 811 63]

# Progress



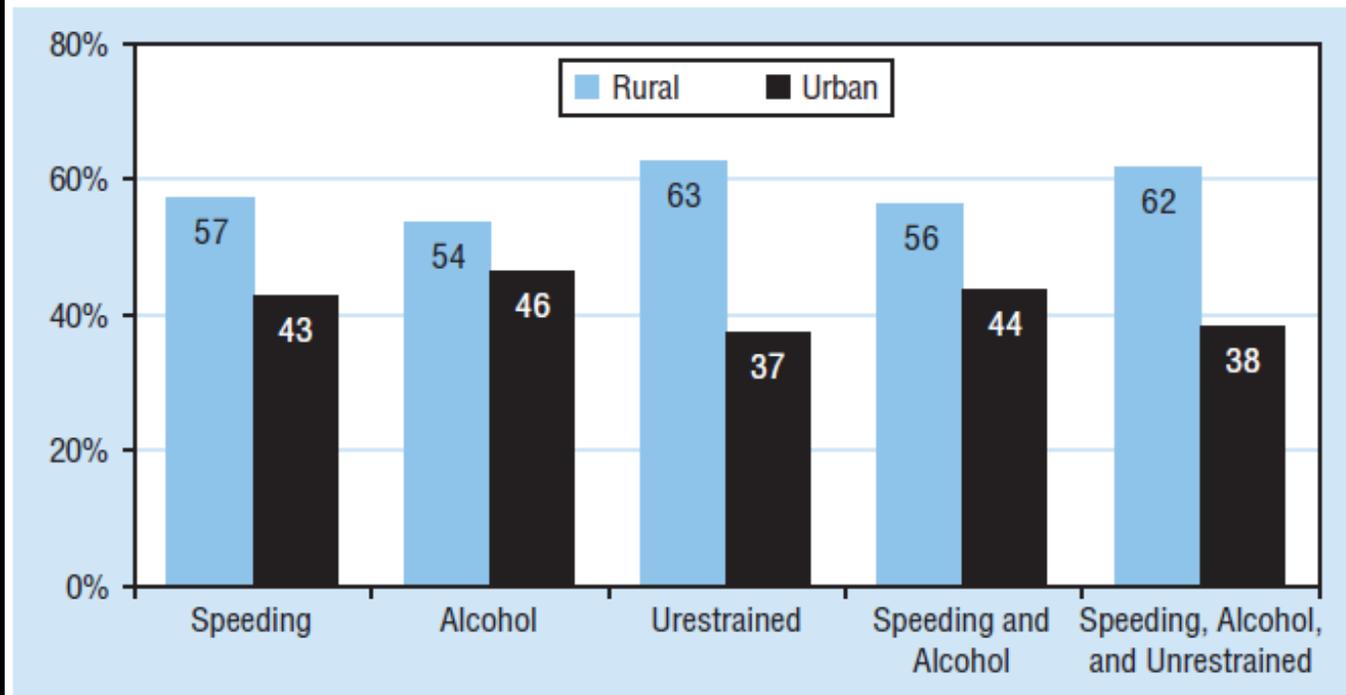
# Model



[Source: Eiksund, 2009]

# Risk Behaviors

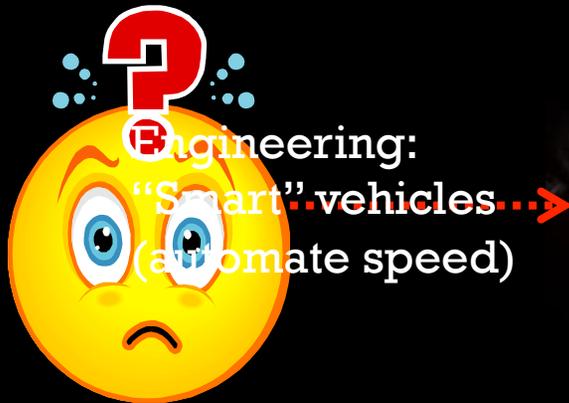
Figure 3  
Speeding, Alcohol Involvement, and Unrestrained Drivers Involved in Fatal Crashes by Location, 2006



Note: Percent known land use.

DOT HS 810 812]

# Paradigms



Enforcement:  
Punish Behavior  
Engineering: EMS:  
(change proposition) Behavior  
Accommodate Behavior  
(reduce injury)



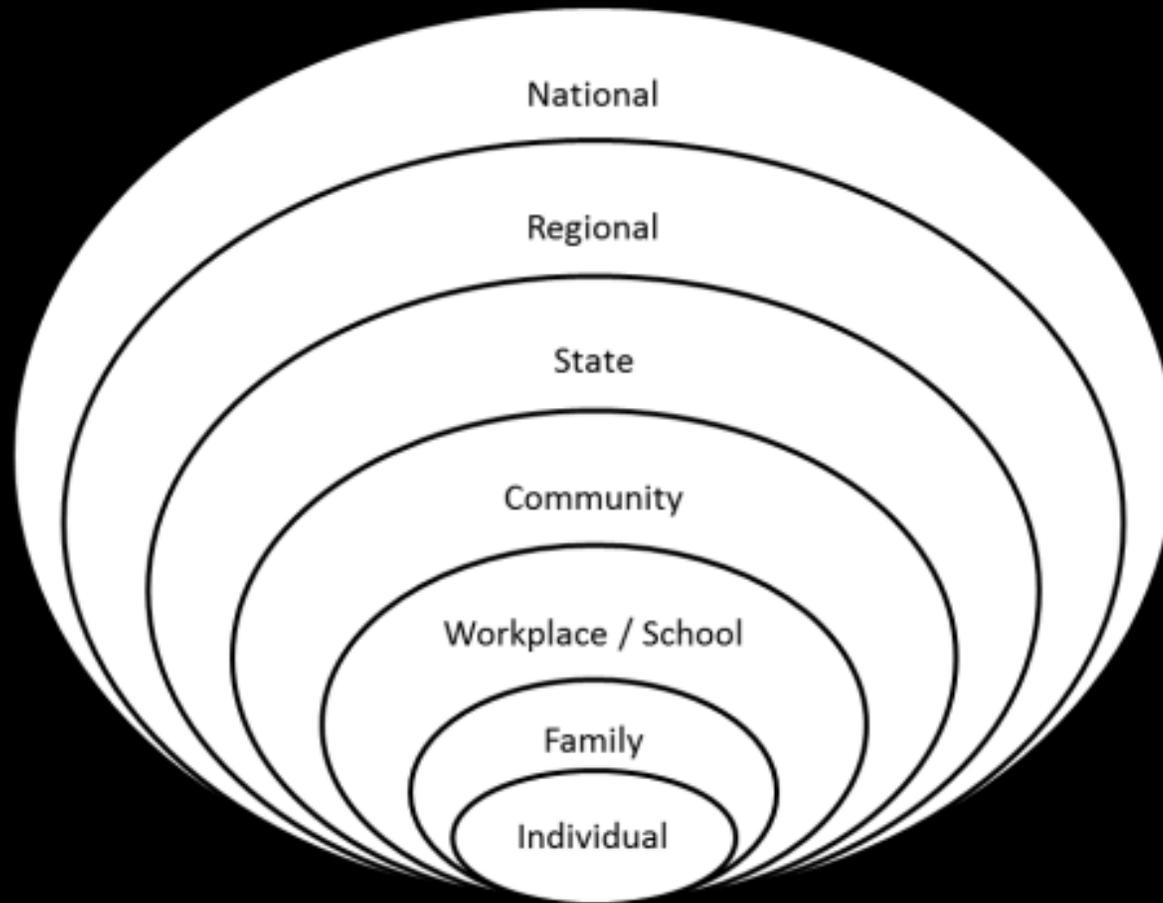
Engineering:  
Constrain Behavior  
(change affordance)

# Premise

*“It is difficult to expect that people will change their behavior easily when many forces in the social, cultural, and physical environment conspire against such change.”*

*[Source: Syme & Belfour, 1998]*

# Social Ecology

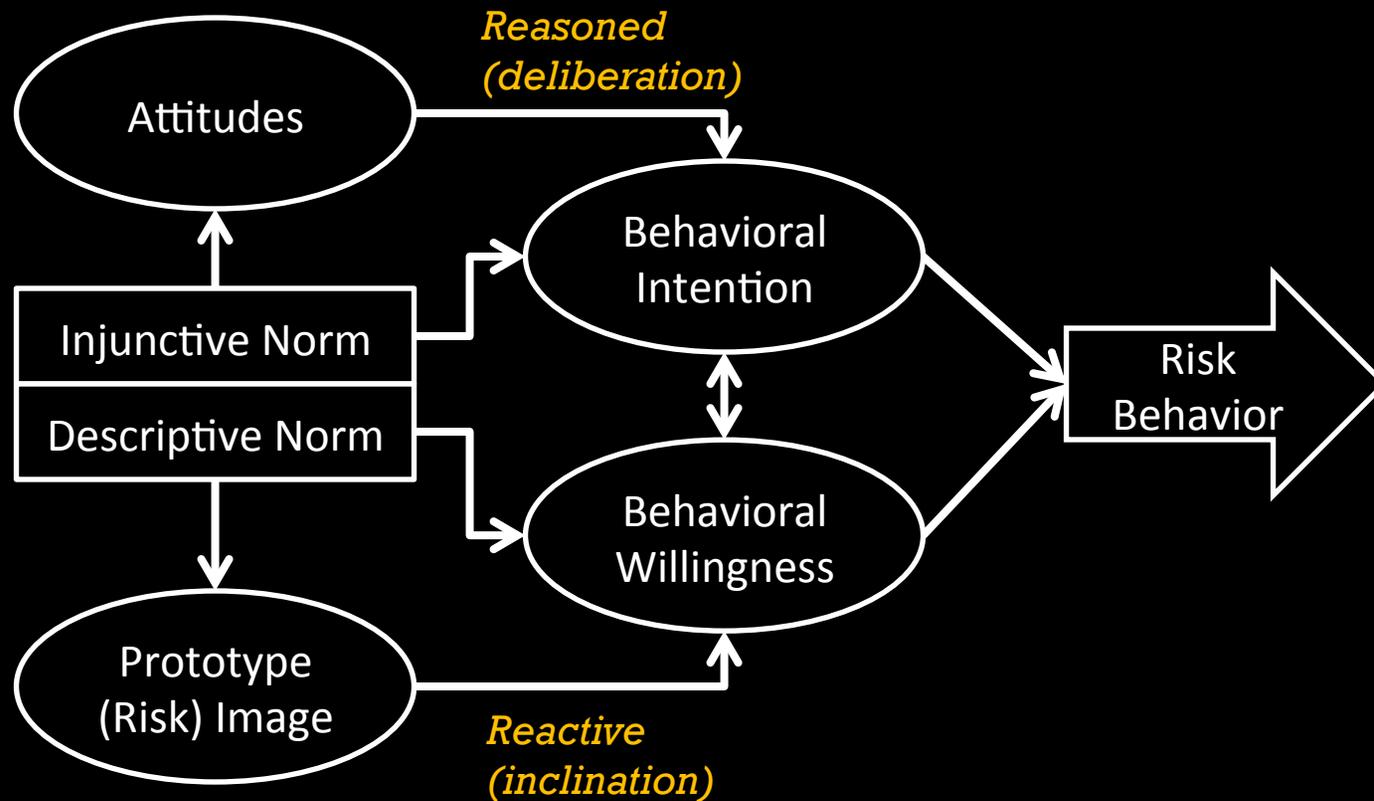


*[Source: Based on CDC Model; Andrews, 1985]*

# Traffic Safety Culture

The shared **cognitions**  
generated by a **group** of people  
that motivate their individual  
**willingness and intentions**  
related to traffic safety.

# “Cognitions”



[Source: Gibson et al., 2008; Ohtomo & Hirose, 2007; hukkelberg & Dykstra, 2009]

# Spirit

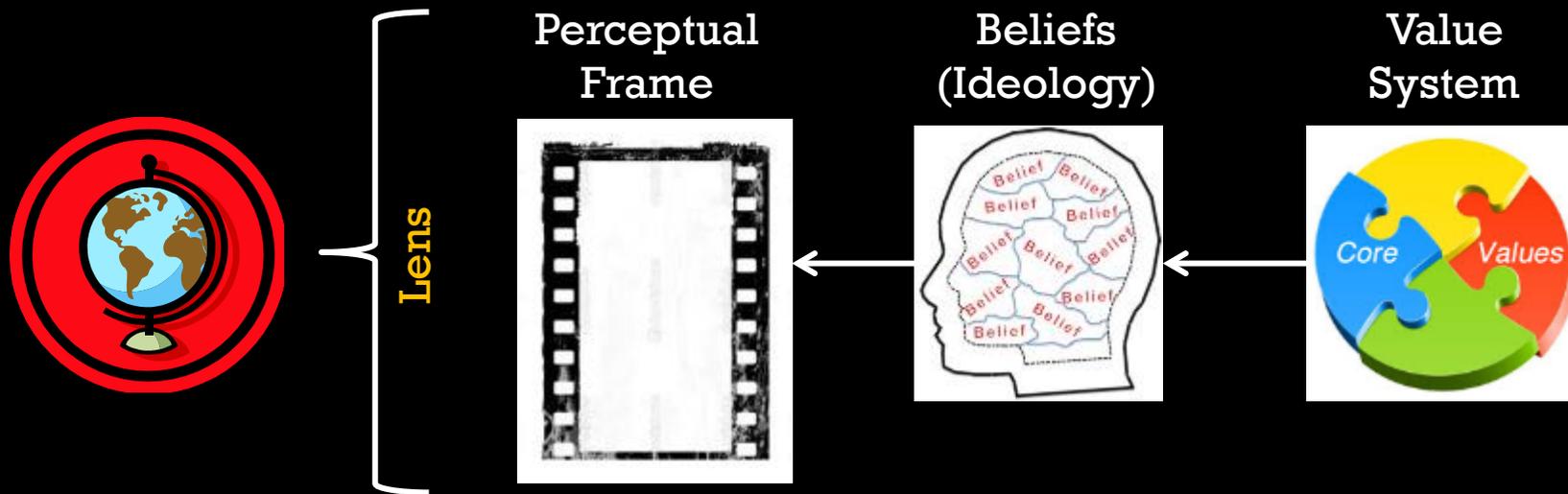
## Negative



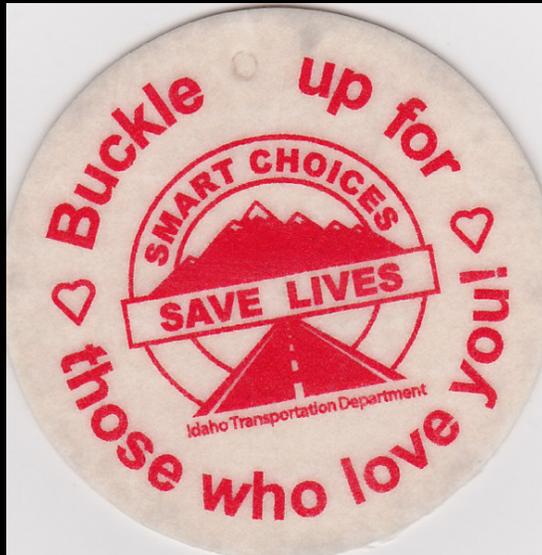
## Positive



# Attitude Origins



# Leverage Values



**Take Care of Family**

Still be around

Survive Crash

Buckle Up

# Challenge Beliefs



# Shift Frame



[Source: [www.thefuntheory.com/speed-camera-lottery-0](http://www.thefuntheory.com/speed-camera-lottery-0)]

