

Lars Ekman

The big challenge to improve safety for vulnerable road users

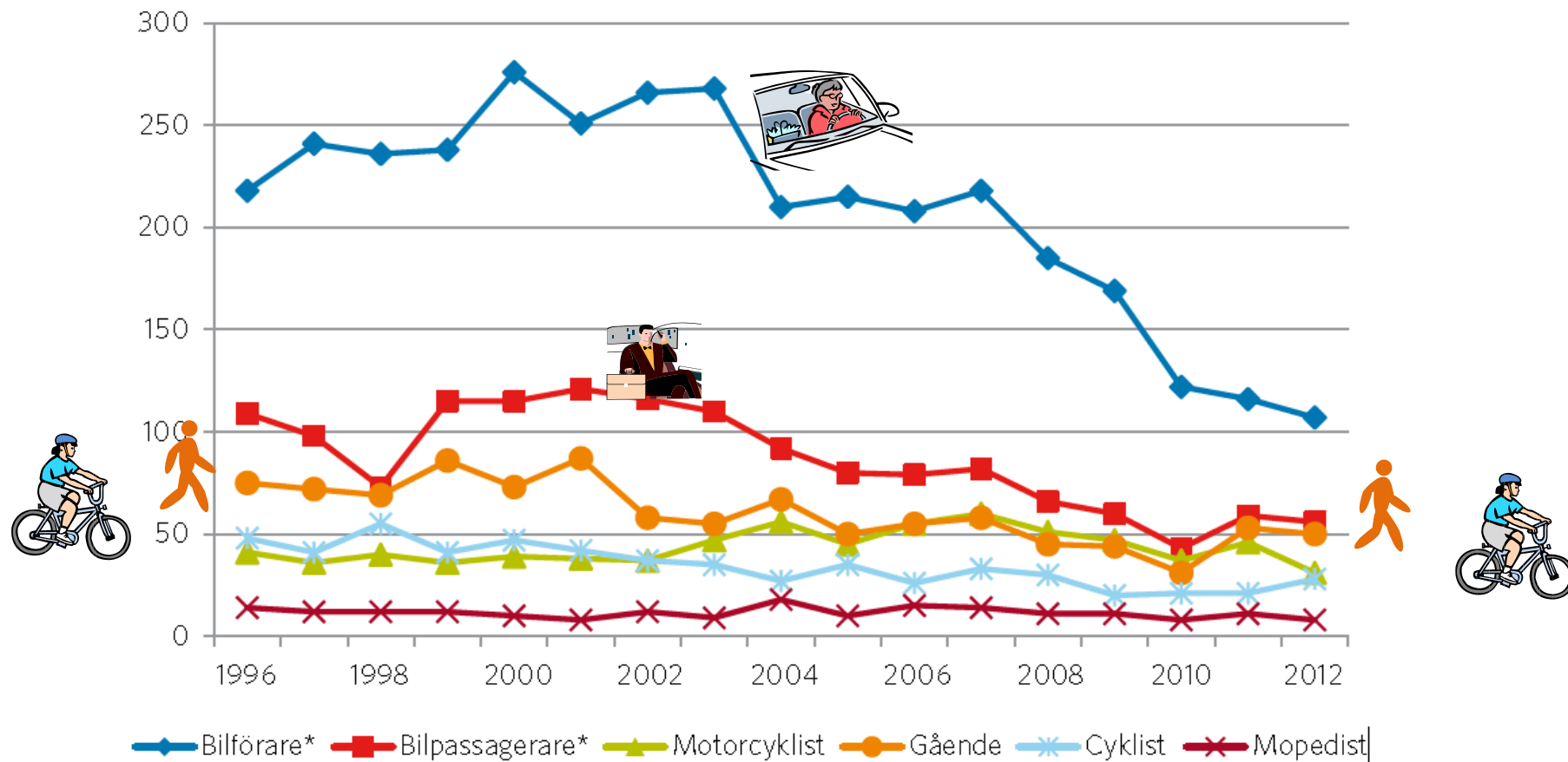


TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION





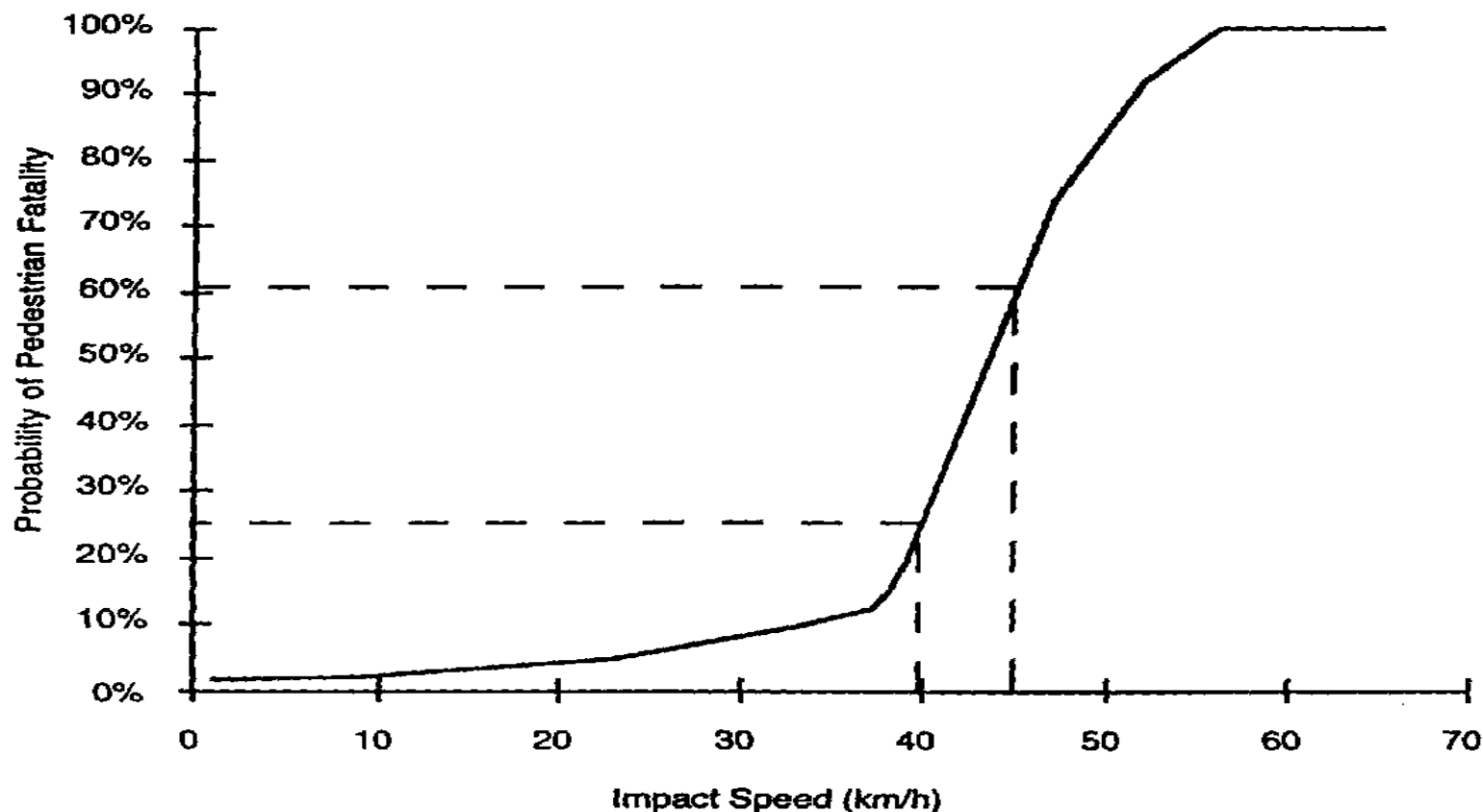
Number of Fatalities

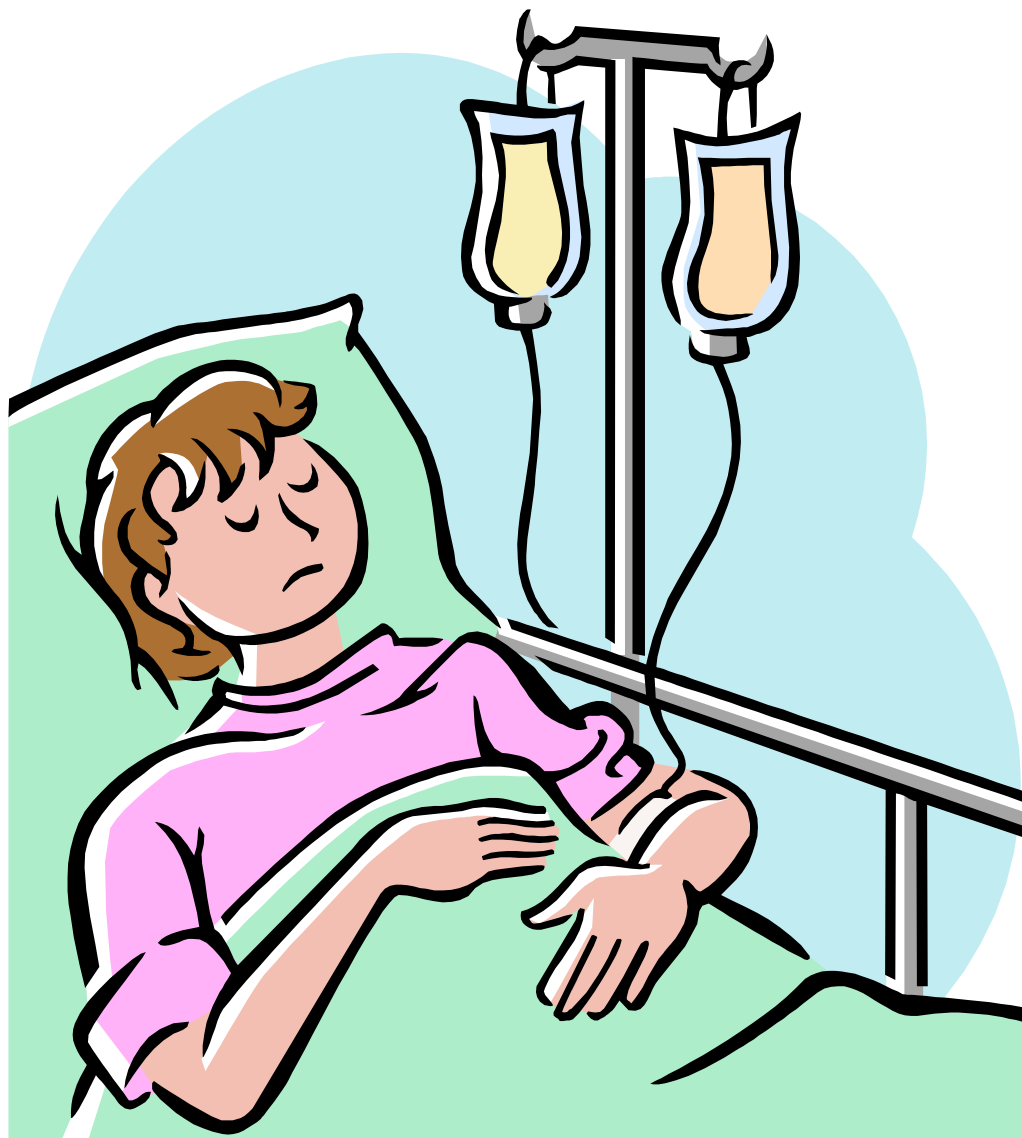


Number of fatalities 1996-2012, road users

Probability of Pedestrian Fatality by Impact Speed

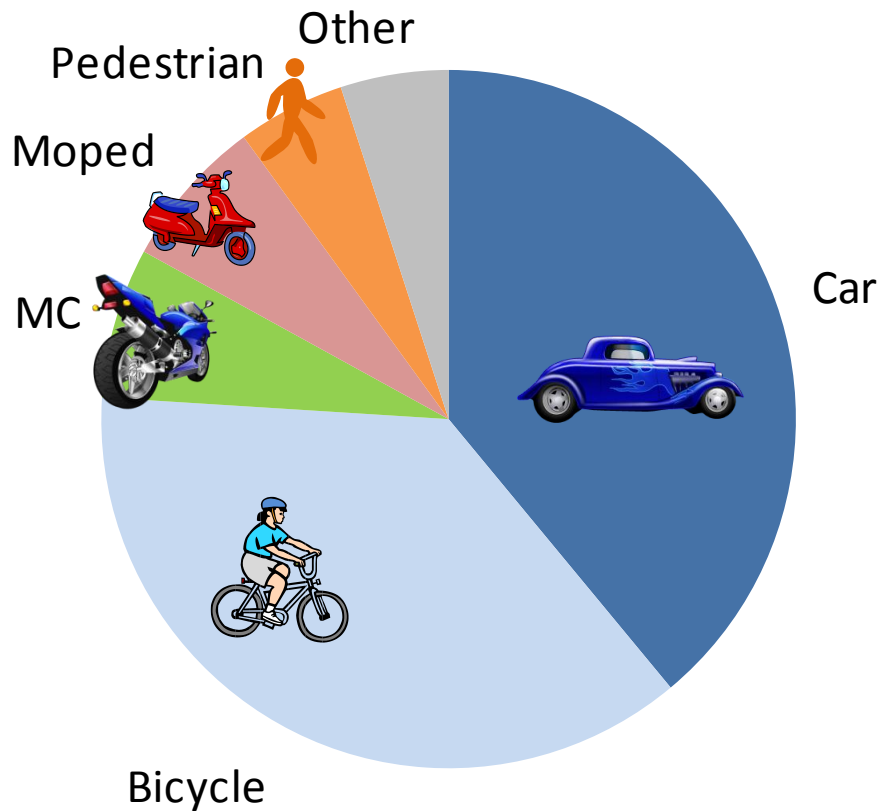
Figure 2: Probability of Pedestrian Fatality by Impact Speed.
Derived from the Interdisciplinary Working Group for Accident Mechanics (1986) and Walz, Hoefliger and Fehlmann (1983)



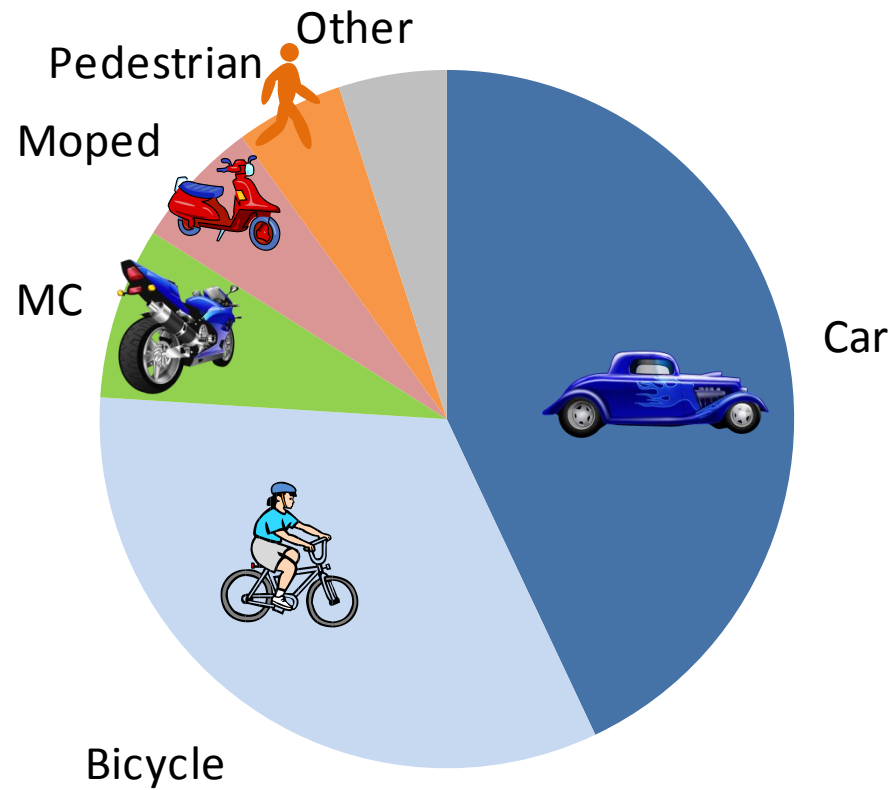


Seriously injured

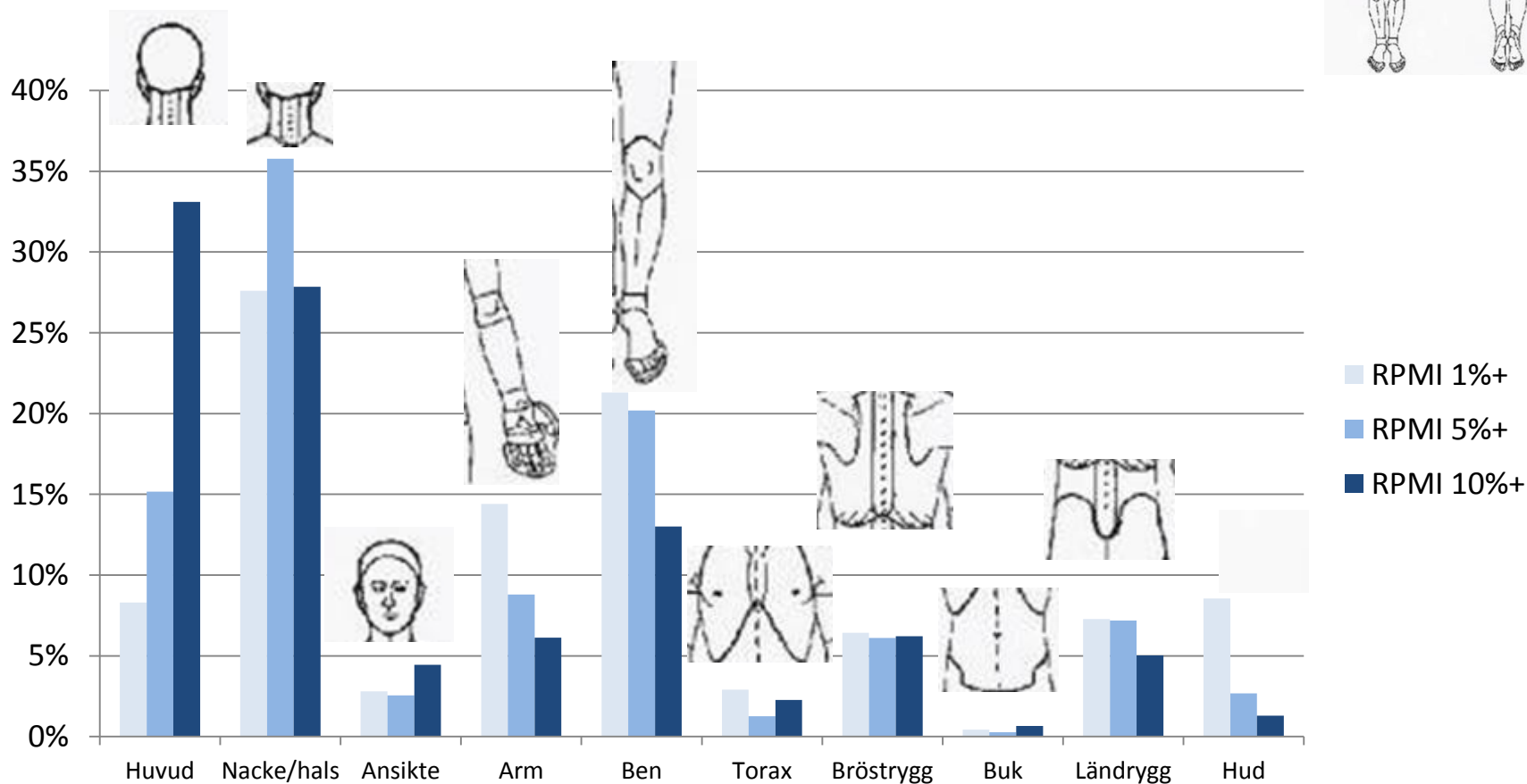
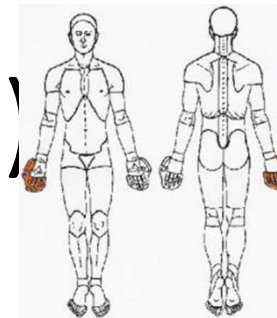
1%



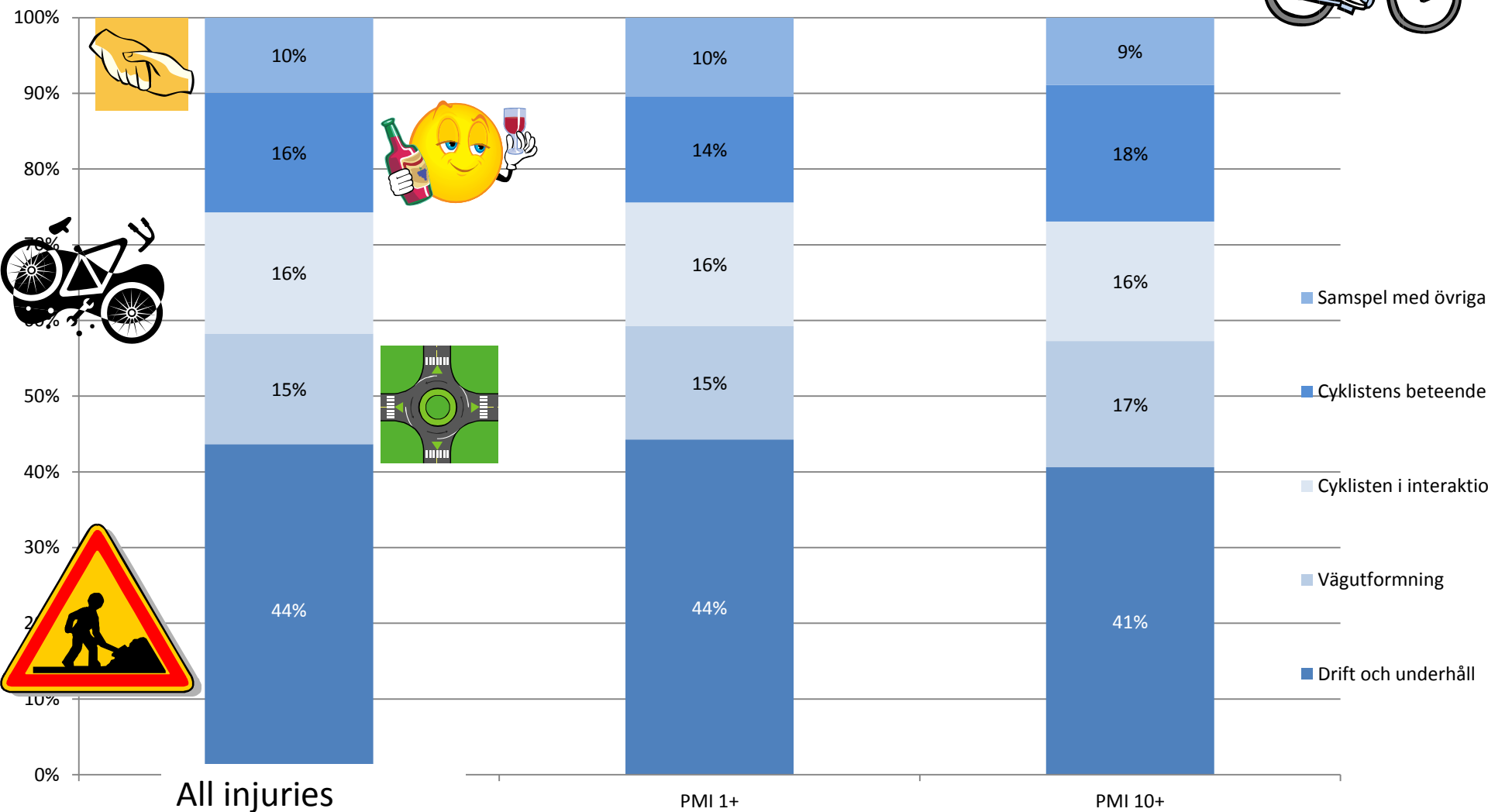
10%



10% disability (hospital data)



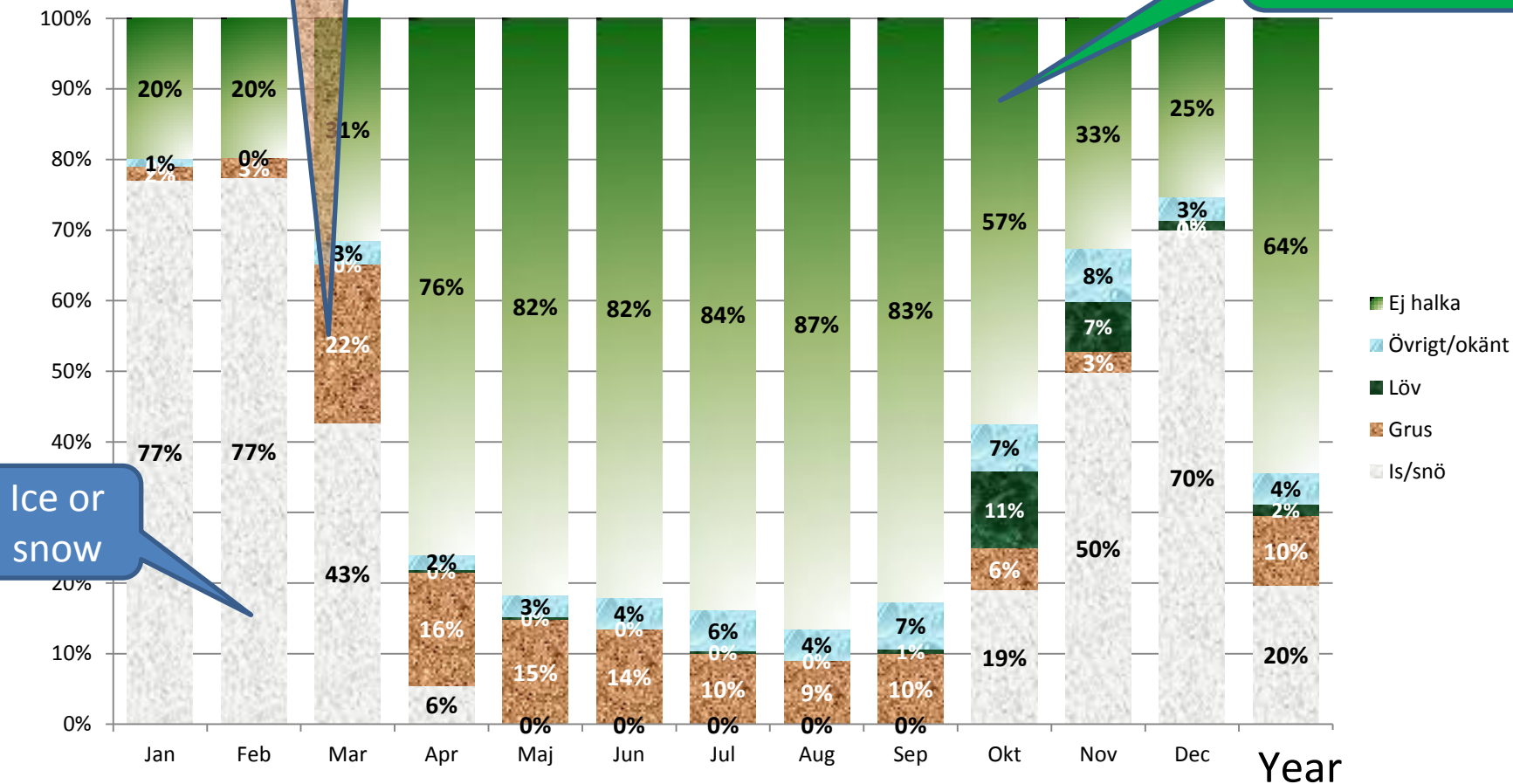
"Main cause" in bicycle single accidents



Singel bicycle injuries 1%

Gravel

Not slippery



Challenges bicycle

- Maintenance
- Safe crossings (low speed or separation)
- Vehicle improvements?







CZMUDA
KABLOWE ODKURZACZE

ODKURZACZE CENTRALNE
montaż sprzedaż 0 603 500 500









Challenges pedestrian

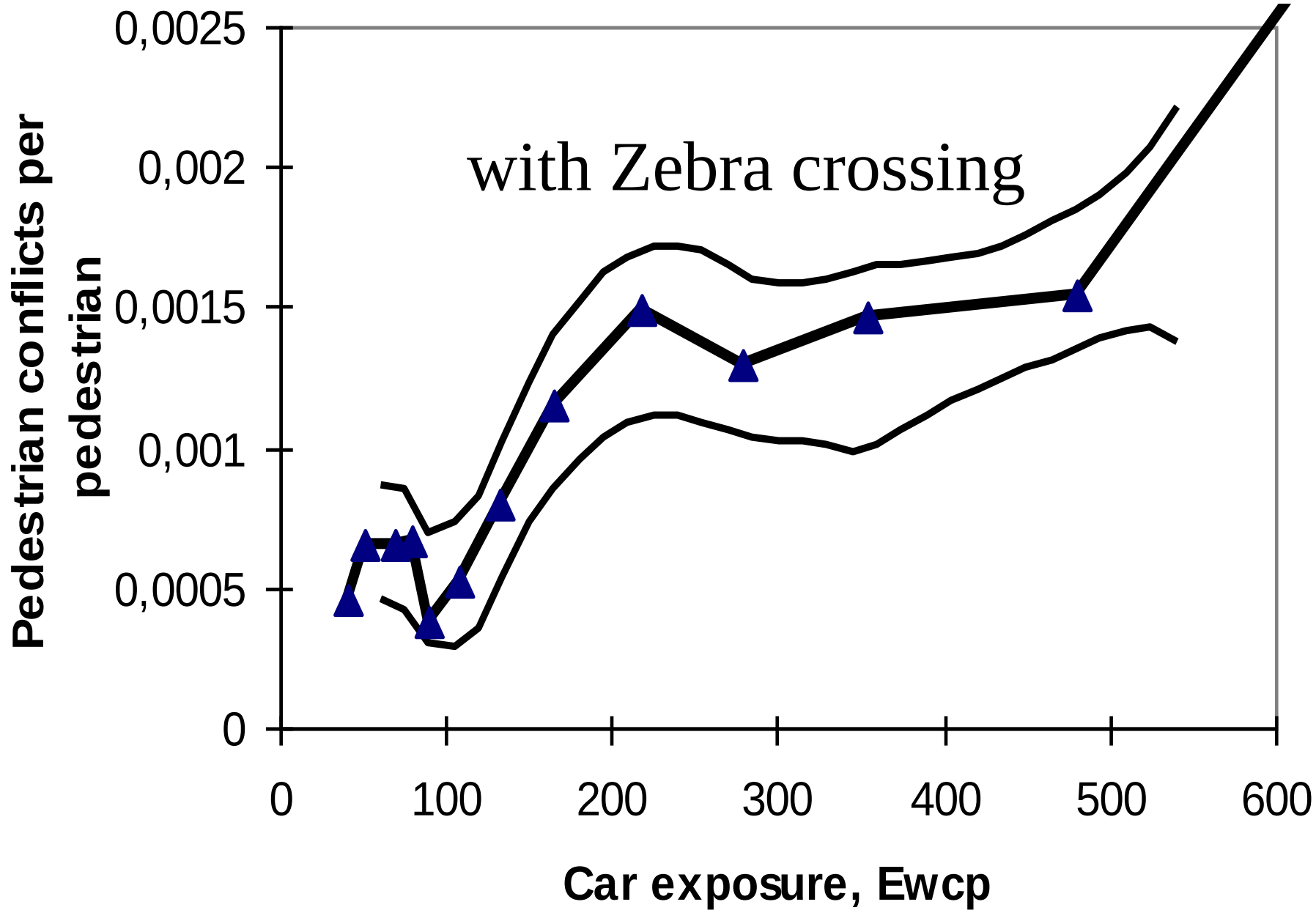
- Safe crossings (low speed or separation)
- Maintenance
- Soft surface

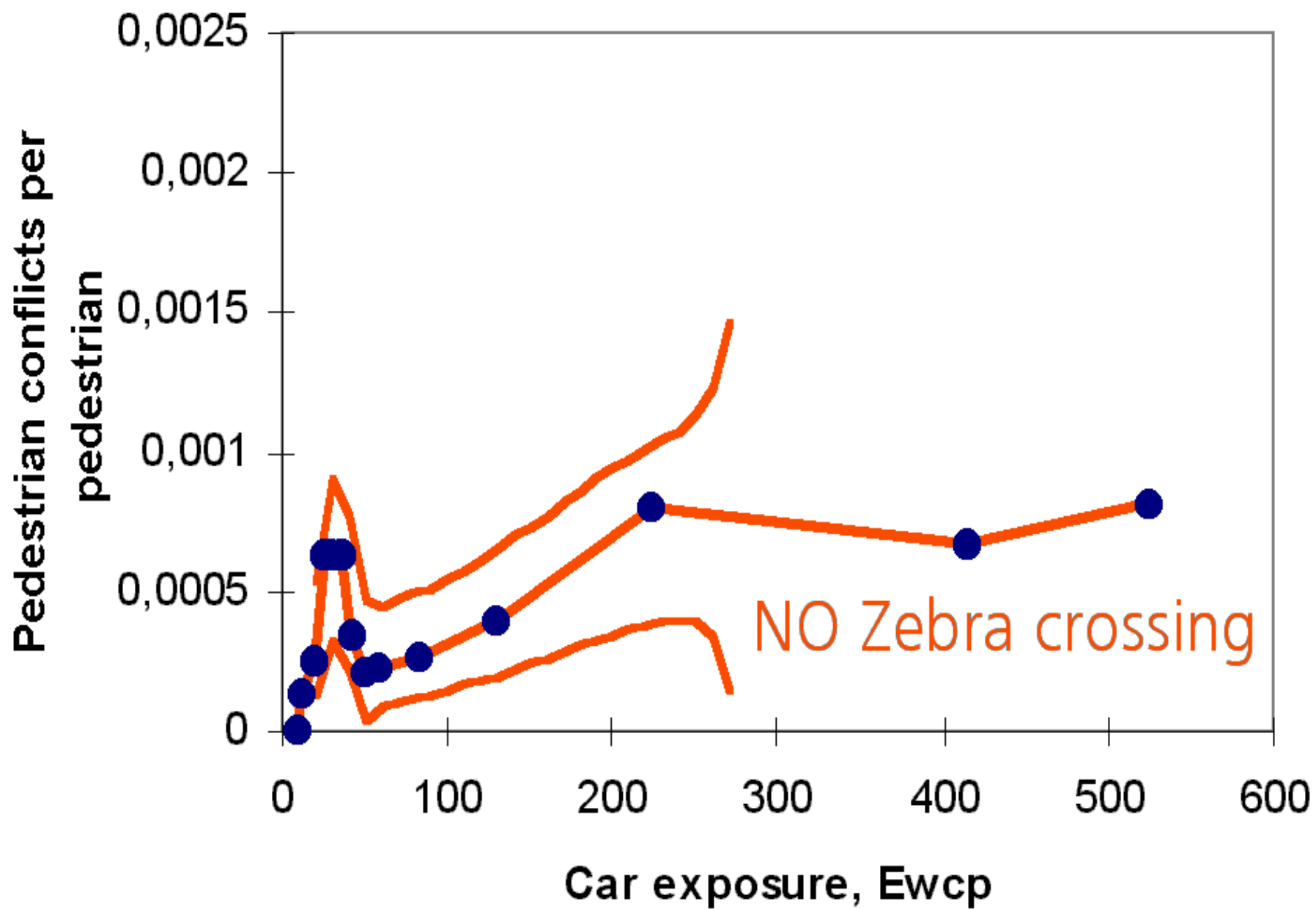


The double poor confidence

- Bicyclists show the respect that the bicycle infrastructure show them
- Bicyclists feel they do not have to follow rules and laws













68

km/h

READY
P R N D

3400

F
E




↑ Kristianstad



Vulnerable road users

- Important
- Difficult
- Huge other qualities that leads to more liveable society

Thanks!

