

FOR SAFER CARS

# EURO NCAP

[www.euroncap.com](http://www.euroncap.com)



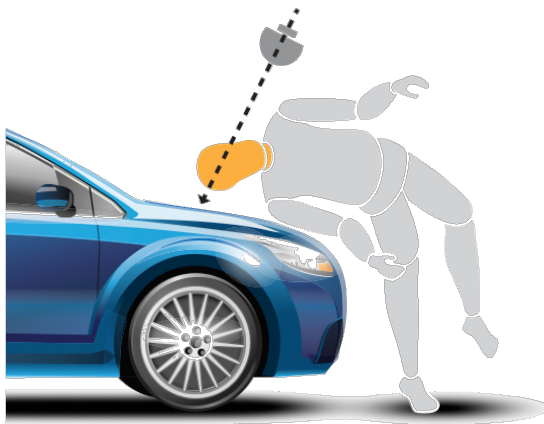
LE GOUVERNEMENT  
DU GRAND-DUCHÉ DE LUXEMBOURG  
Ministère du Développement durable  
et des Infrastructures



- Since 1997 Euro NCAP has been assessing **pedestrian protection** for most popular cars as part of the safety rating



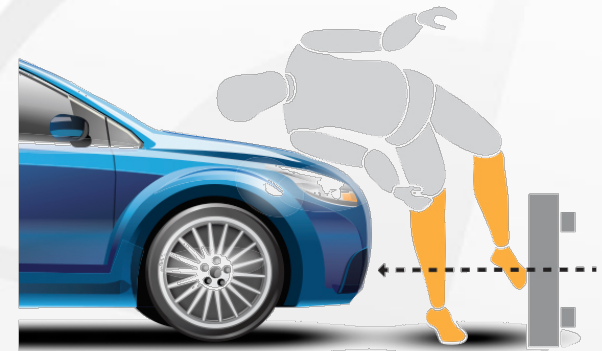
- **Subsystem tests** promote a more forgiving vehicle front structure in the event of a pedestrian or cyclist impact (at moderate speed)



Head Form

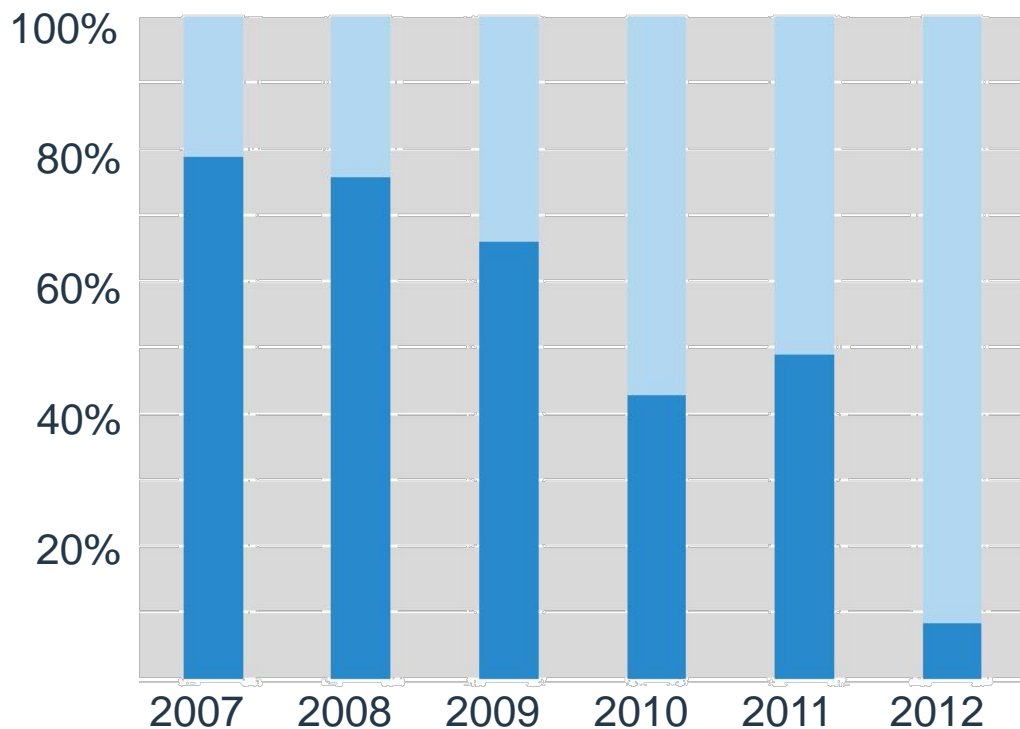




Upper Leg Form



Lower Leg Form

■ As of 2009 good pedestrian protection is required for 5 stars, leading to **rapid progress and innovation**

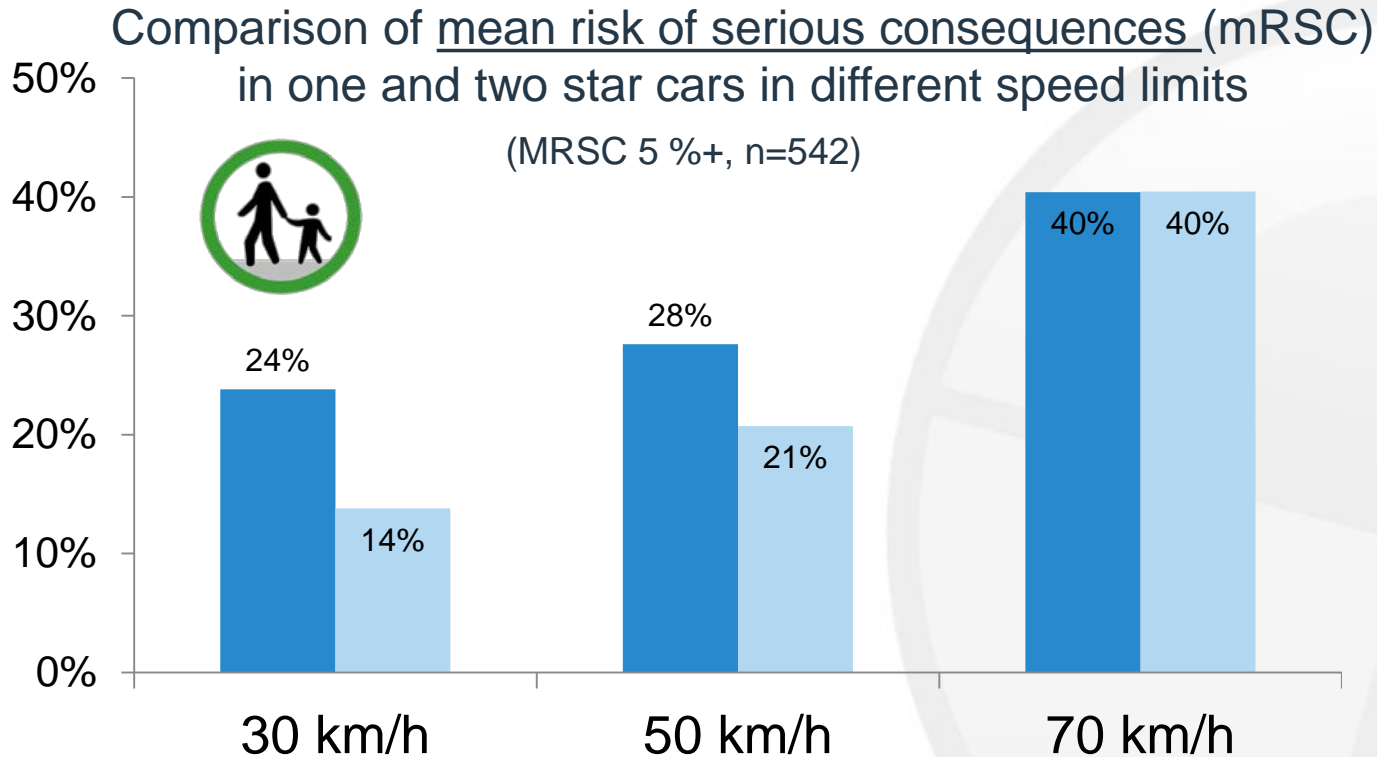


 Cars scoring more than 50%  
 Cars scoring equal or less than 50%



88%

## ■ Significant correlation between Euro NCAP pedestrian score and injury outcome in real-life\*



\*Johan Strandroth, Matteo Rizzi, Simon Sternlund, Anders Lie & Claes Tingvall (2011): The Correlation Between Pedestrian Injury Severity in Real-Life Crashes and Euro NCAP Pedestrian Test Results, *Traffic Injury Prevention*, 12:6, 604-613



# Avoidance Technology

- **Forward looking technology** can offer further benefits, not only to pedestrians but also cyclists

