

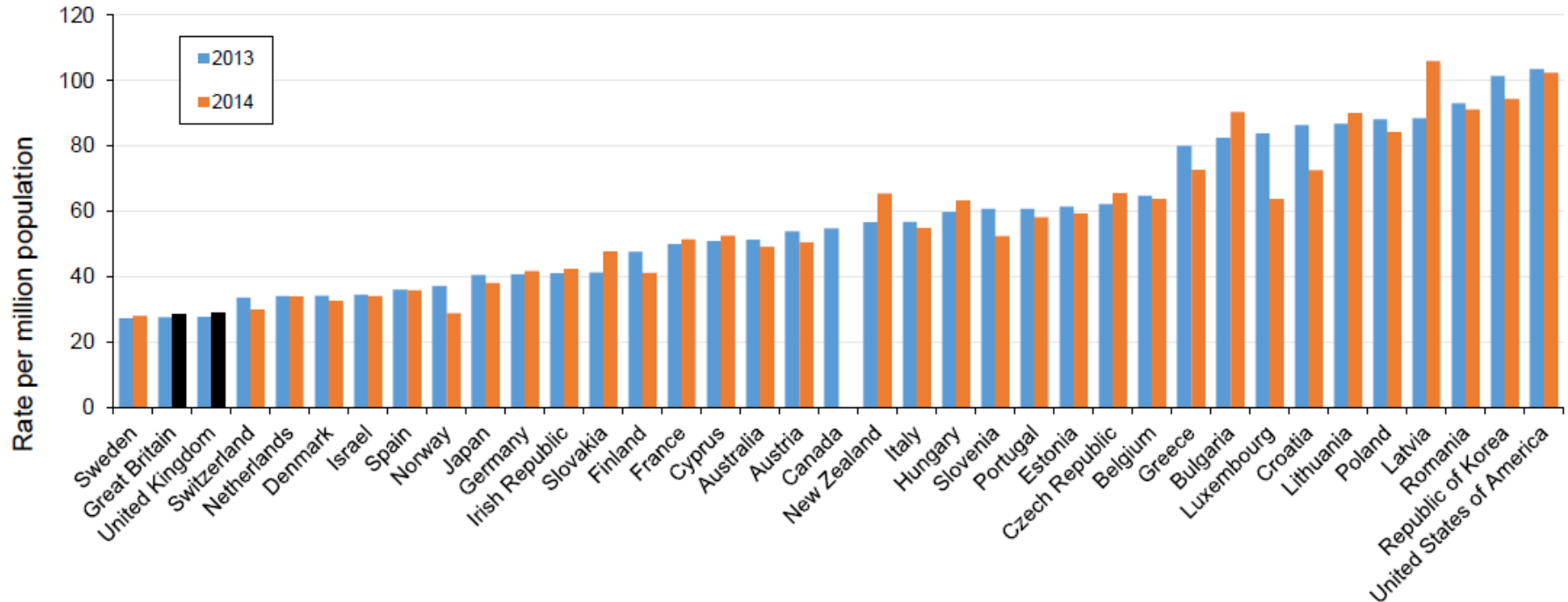


How does Britain's car fleet compare with the world's safest?

14<sup>th</sup> June 2016

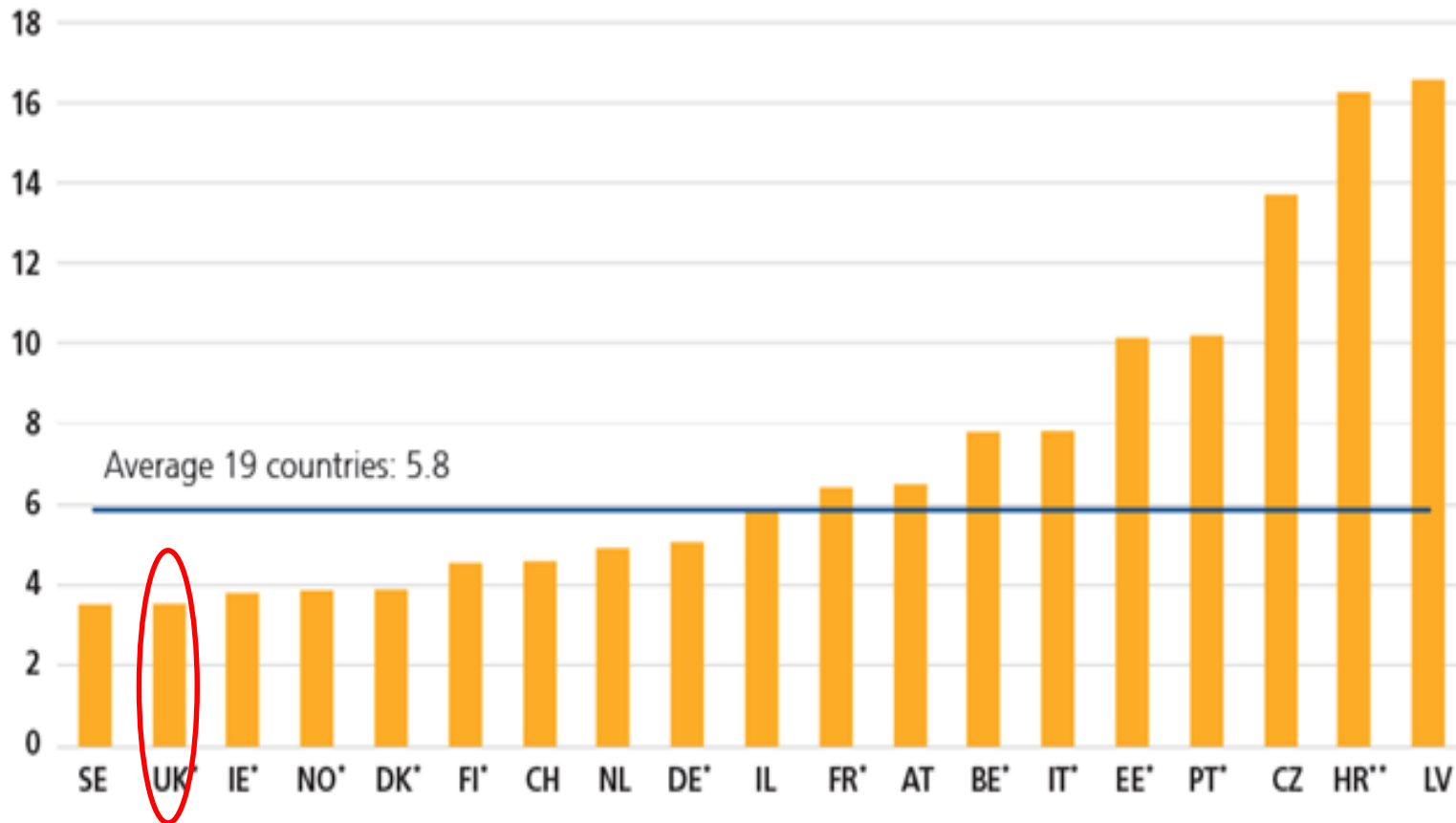
1. Introduction
2. Britain's car fleet
3. Focus on vulnerable road users
4. Conclusions

# Road deaths per million inhabitants



Source: DfT, Reported Road Casualties Great Britain: 2014

# Road deaths per billion vehicle-kilometres



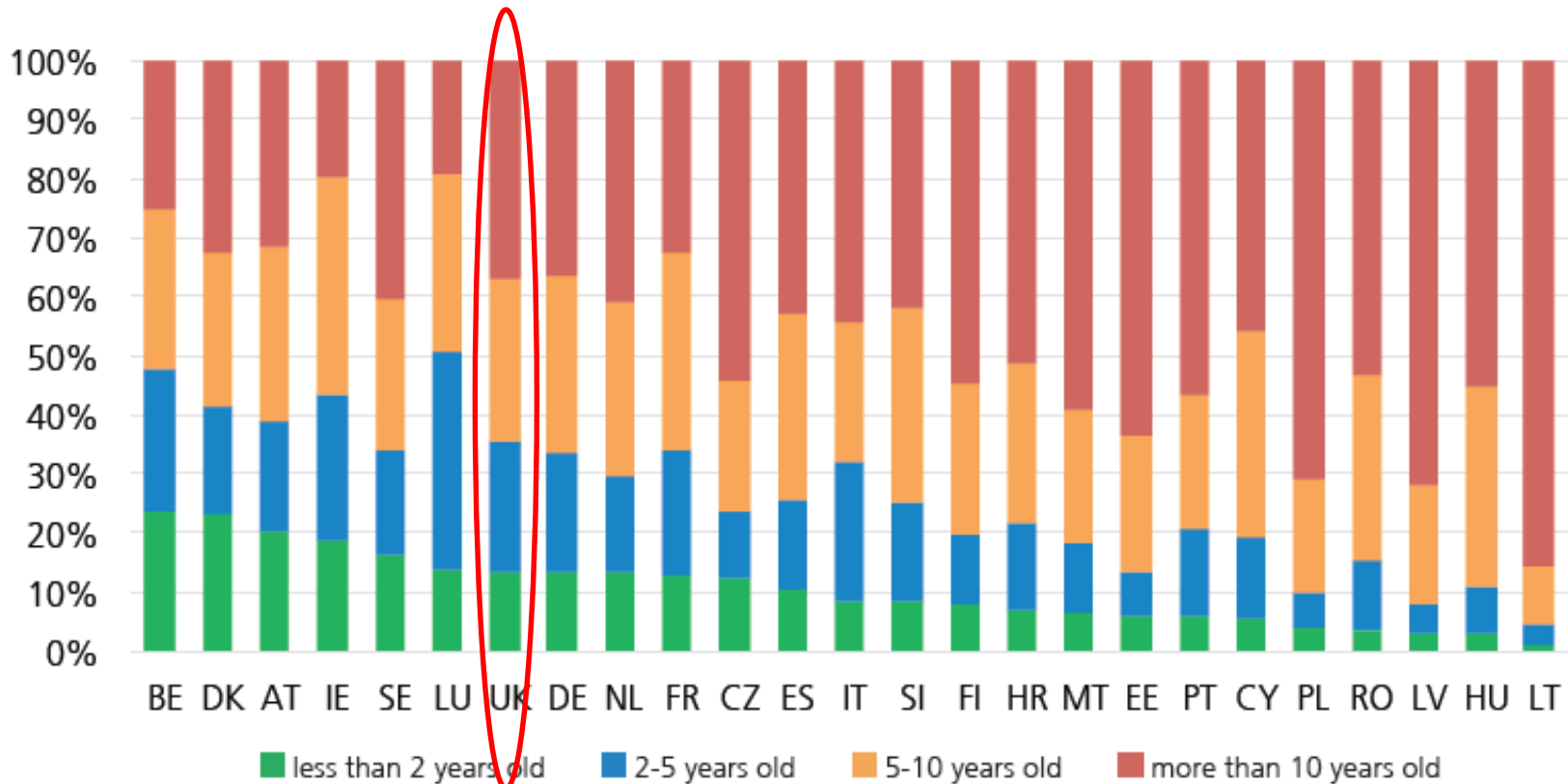
Source: ETSC, 9th Road Safety Performance Index Report

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# Vehicle safety standards and legislation

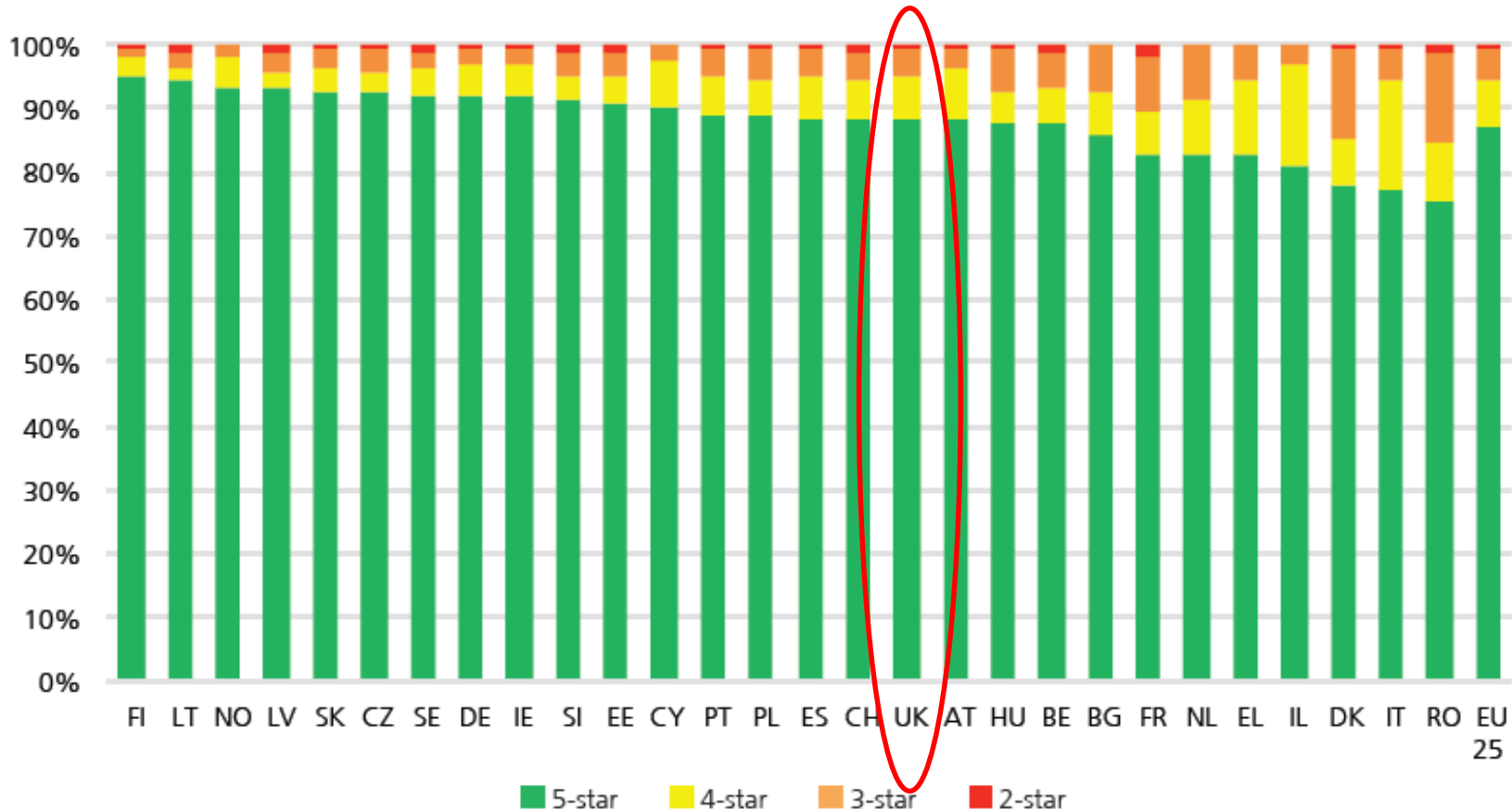
- Seat belts are compulsory throughout Europe
- Law requires child restraints and restricts children from sitting in the front seat
- Vehicle standards are consistent across the EU

# Proportion of cars by age



Source: ETSC, How Safe Are New Cars Sold in the EU?

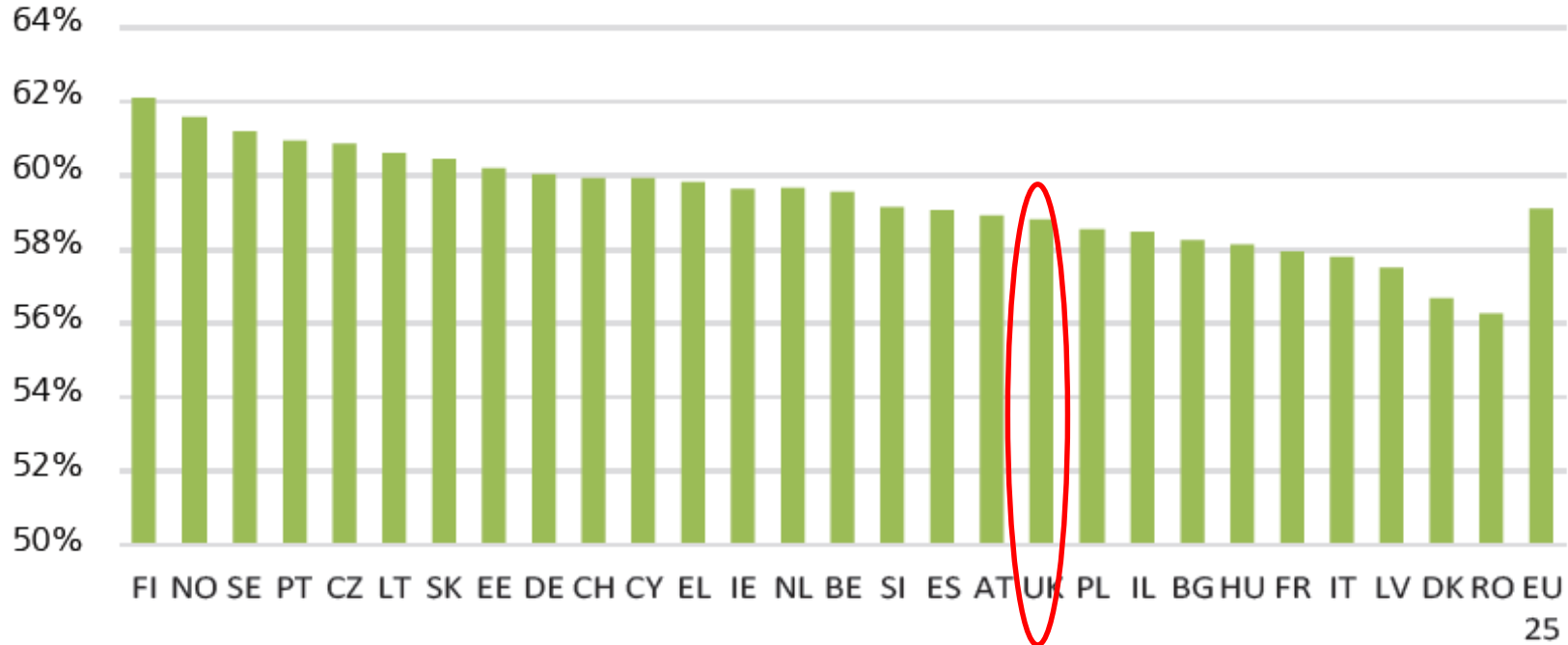
# Proportion of EuroNCAP tested cars (2010-2013) sold in 2013



Source: ETSC, How Safe Are New Cars Sold in the EU?



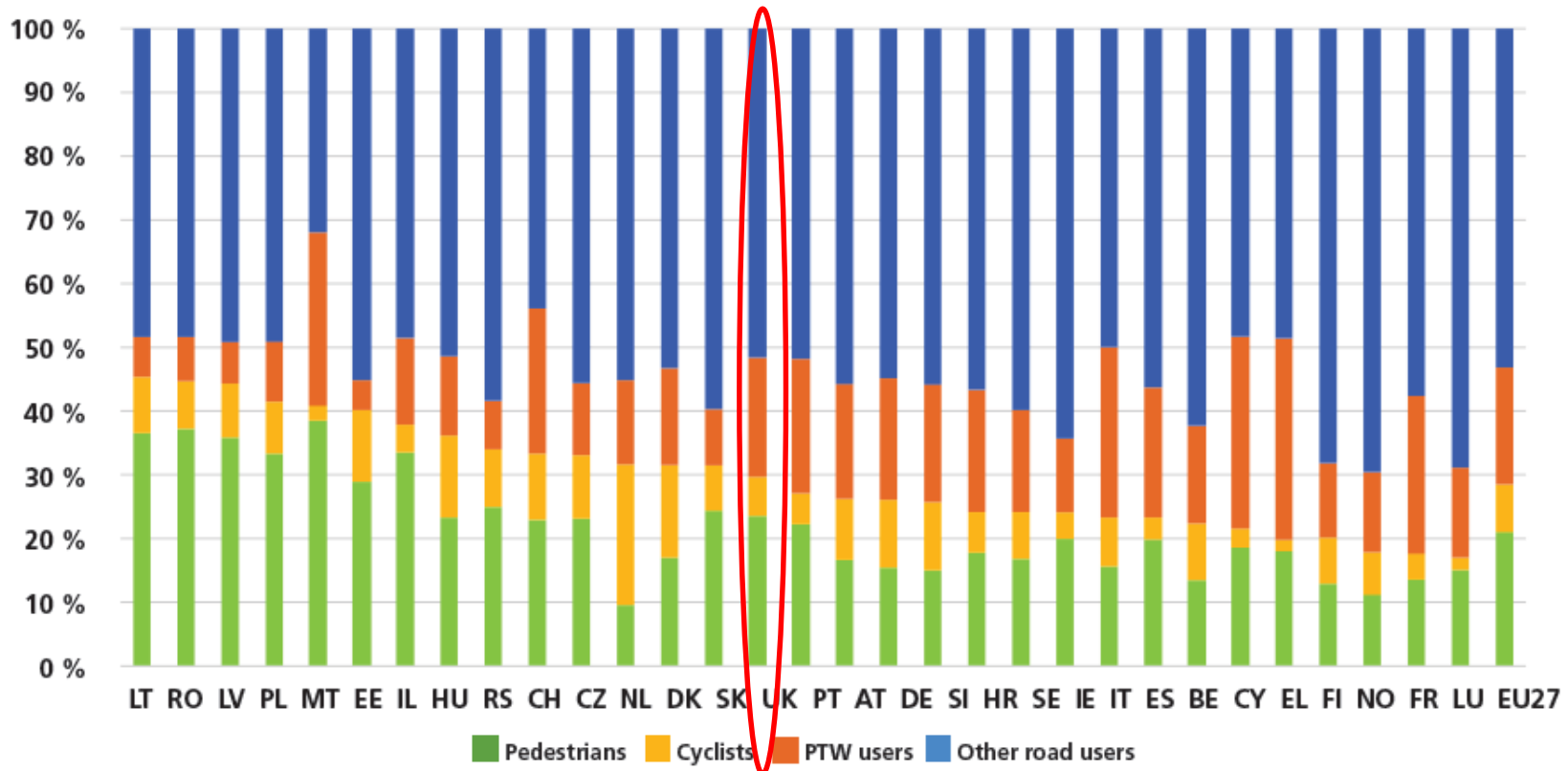
# Average pedestrian protection scores of cars sold in 2013



Source: ETSC, How Safe Are New Cars Sold in the EU?

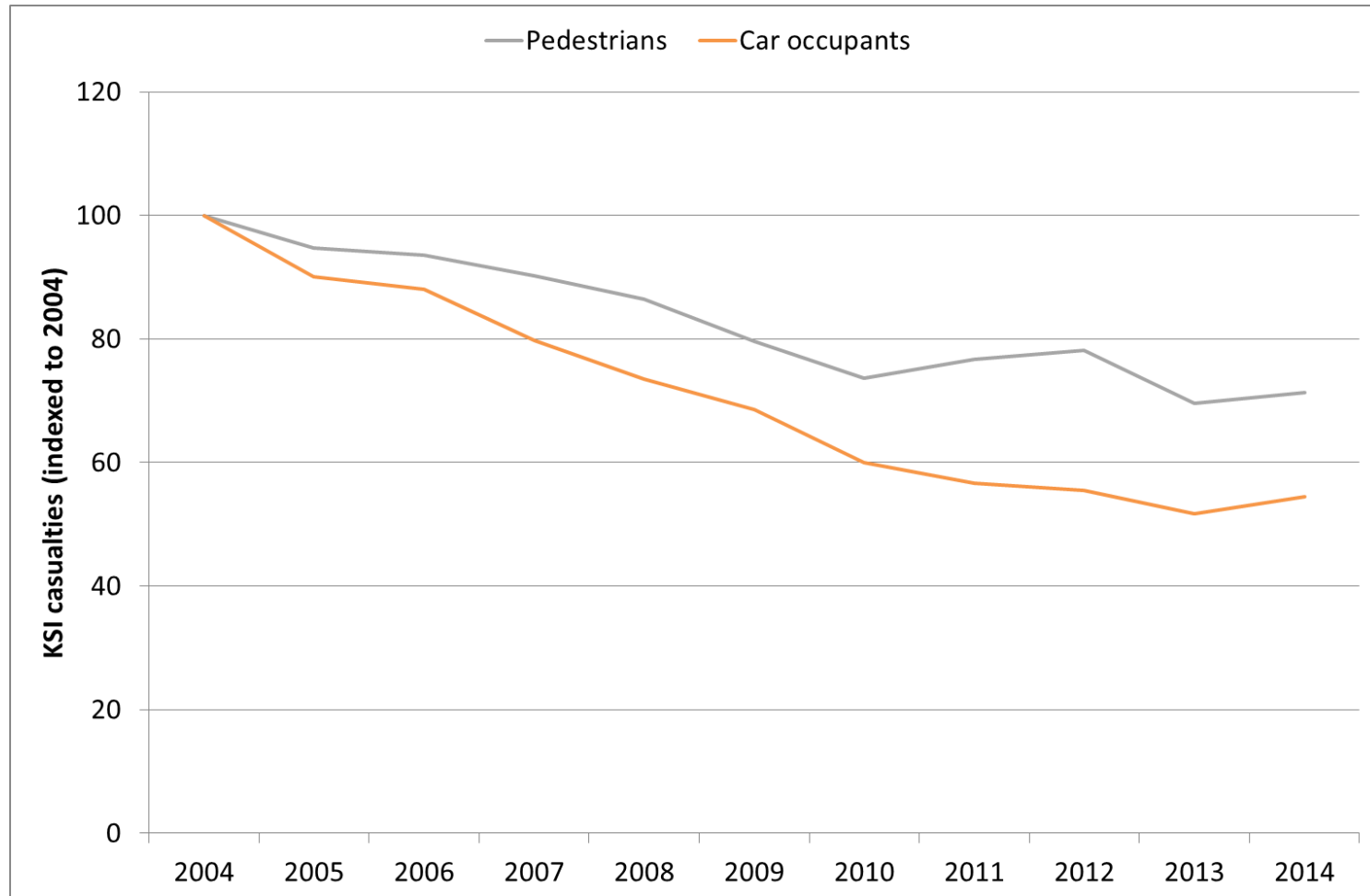
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# Pedestrian, cyclist and PTW user deaths as a percentage of all road deaths



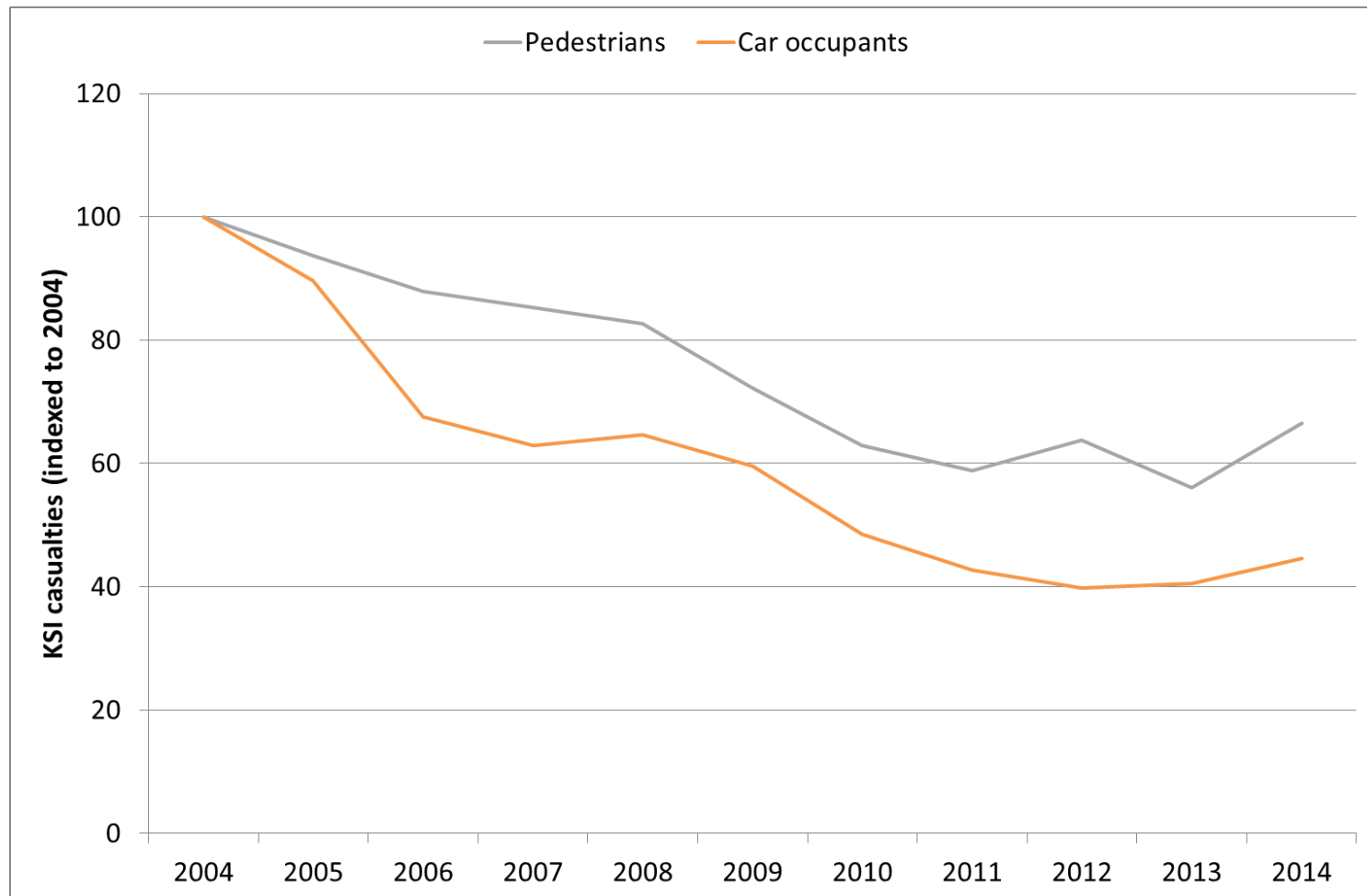
Source: ETSC, Making Walking and Cycling on Europe's Roads Safer

# KSI casualties - all cars



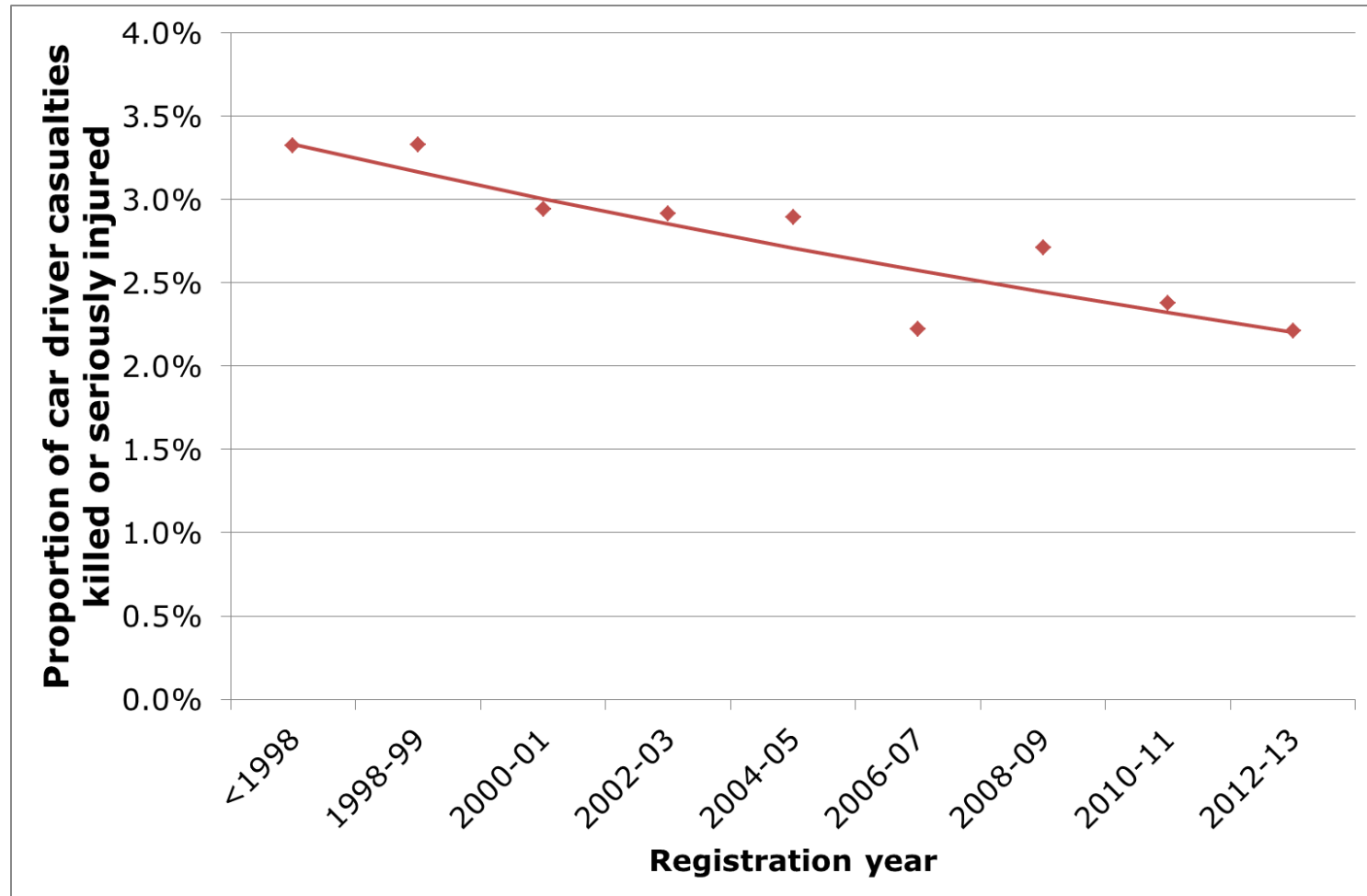
Source: STATS19 data

# KSI casualties - new cars



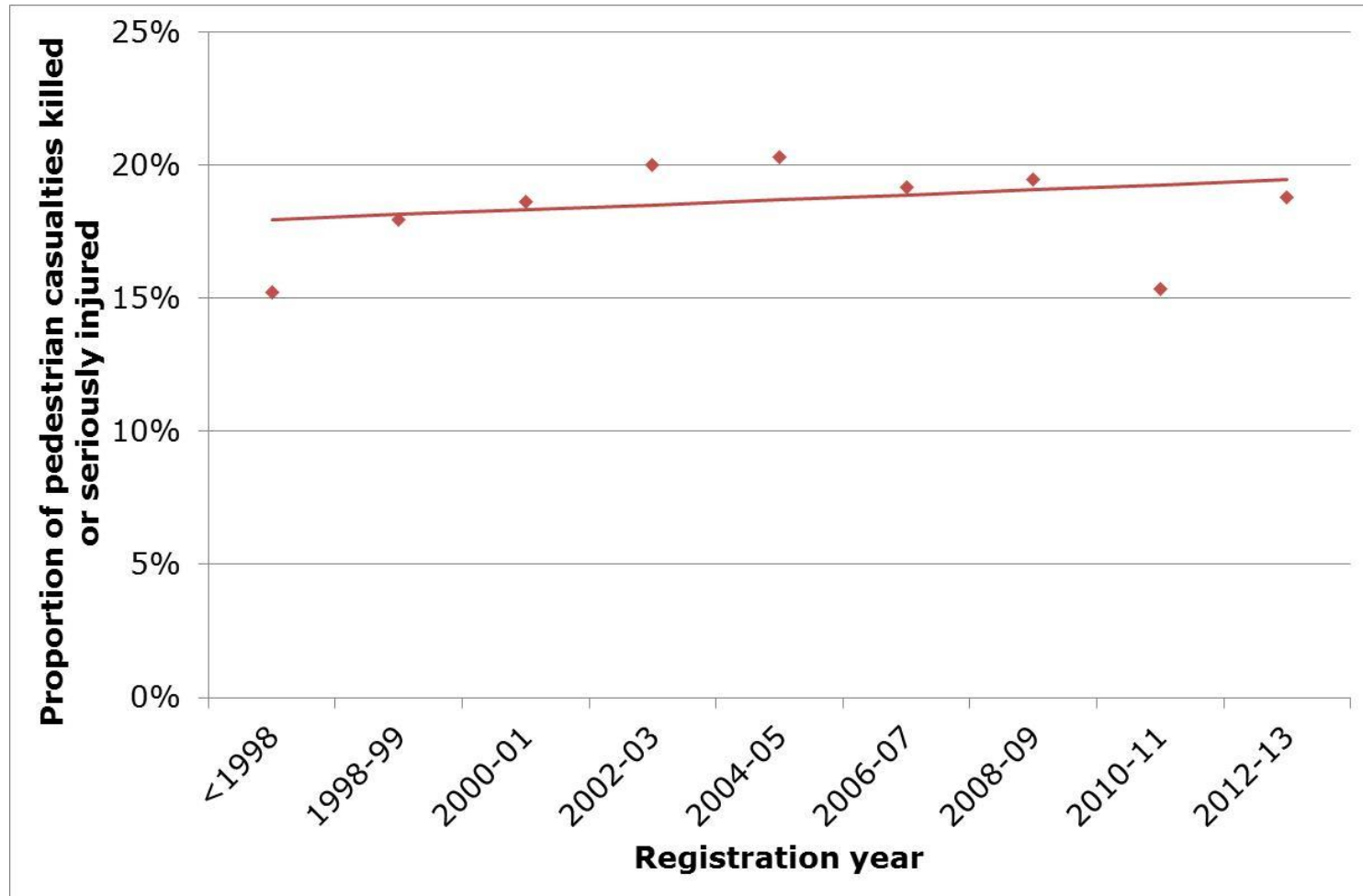
Source: STATS19 data

# Car secondary safety – drivers



Source: TRL Report PPR 753, Vehicle Safety Design Features and Future Safety Benefits in London

# Car secondary safety – pedestrians



Source: TRL Report PPR 753, Vehicle Safety Design Features and Future Safety Benefits in London

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- Comparing Britain's car fleet to the rest of Europe:
  - Britain has more older cars and a lower proportion of new cars with 5 stars
  - The average pedestrian protection score for new cars is lower
  
- To reduce the fatality rate further:
  - Improve vehicle safety for pedestrians and other VRUs
  - Investigate how differences in NCAP scores impact on real-world outcomes

The background of the slide is a blurred, high-angle view of a multi-lane highway with various vehicles including cars, vans, and trucks. The TRL logo is positioned in the upper left, with 'TRL' in large, bold letters where the 'T' is orange and 'RL' is dark grey. To the right of the logo, the text 'THE FUTURE OF TRANSPORT' is displayed in orange and dark grey. Several thick, horizontal bars in black and orange are scattered across the slide, adding a modern, graphic design element.

# TRL

THE FUTURE  
OF TRANSPORT

Any questions?

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