

The Road Safety Performance Index within the framework of the EU road safety policies

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Bratislava

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European Transport Safety Council



CHALMERS



Folksam



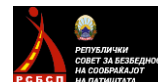
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UNIVERSITY OF BIRMINGHAM



Automobile Club d'Italia





Road Safety Performance Index (PIN)

Ranking EU countries'
performances

Monitoring EU transport safety policy

SMART



SOBER MOBILITY ACROSS ROAD TRANSPORT



SAFE & SOBER



iSAFER

INTELLIGENT SPEED ASSISTANCE
FOR EUROPEAN ROADS



The PIN Programme



- Experts from the 32 participating countries (including all EU Member States)
- Steering group
- Project team in the ETSC secretariat

TOYOTA

VOLVO



TRAFIKVERKET



Statens vegvesen



**2014-2015
bad years
for road
safety**

26,276

people died in road traffic in the
EU in 2015

+1%

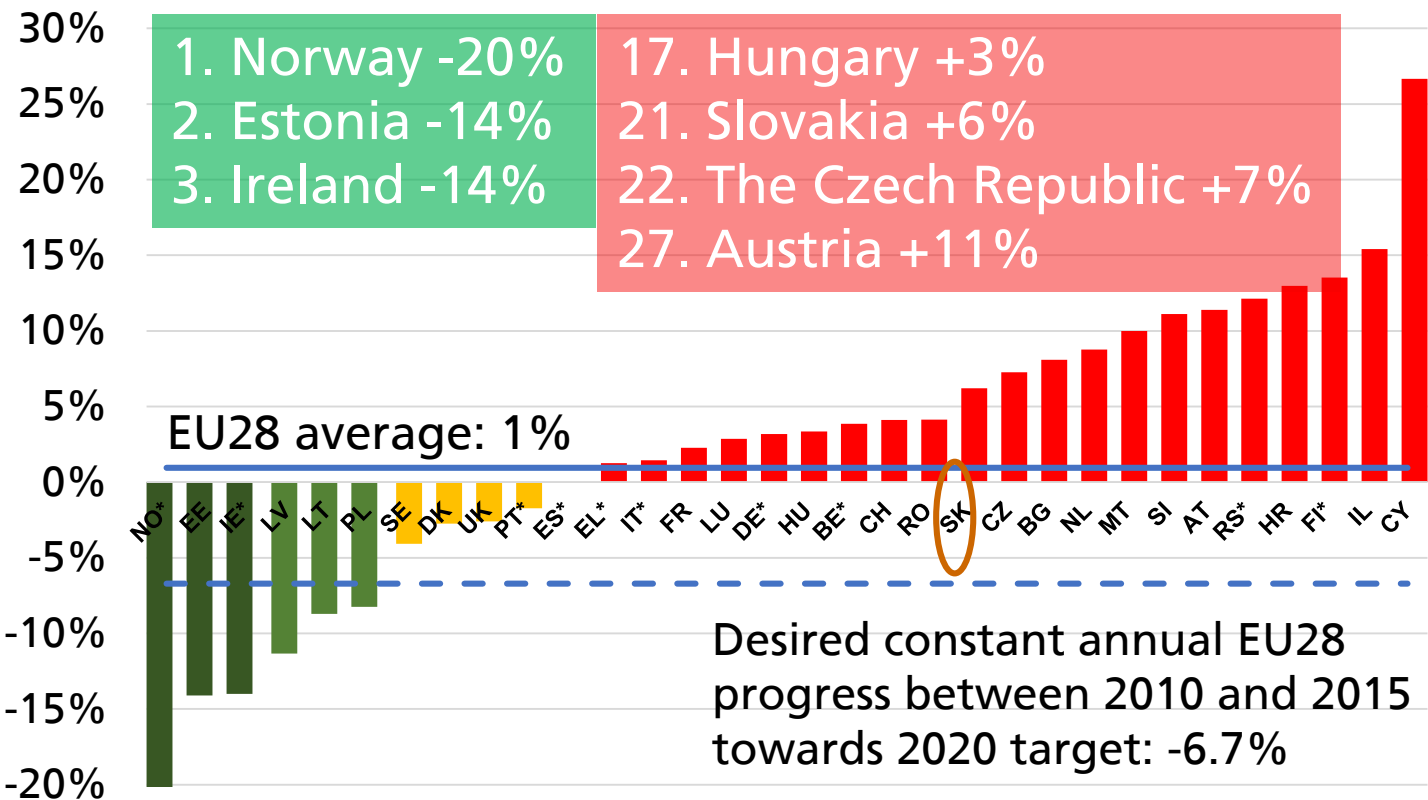


First increase in road
deaths since 2001

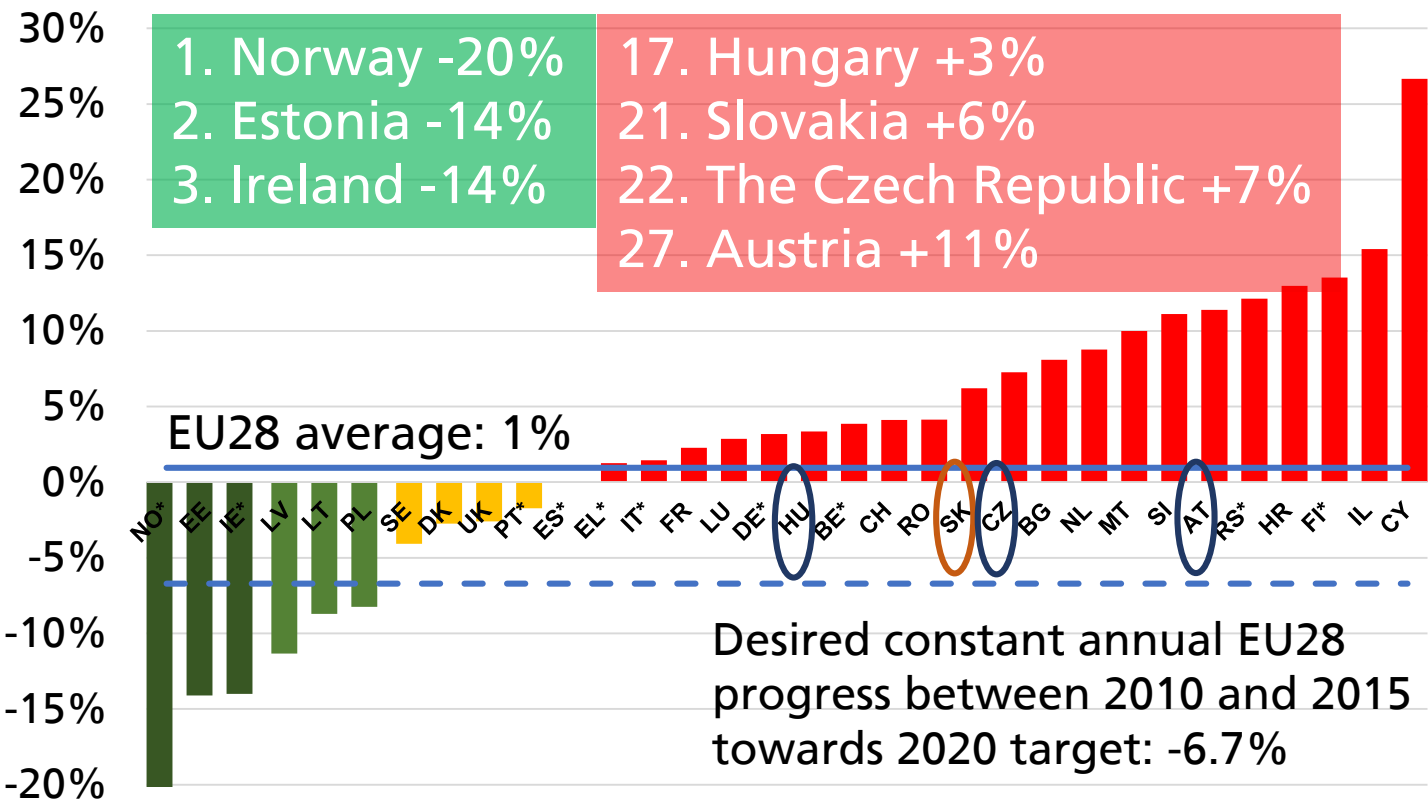


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Change in road deaths (in %) 2014-2015

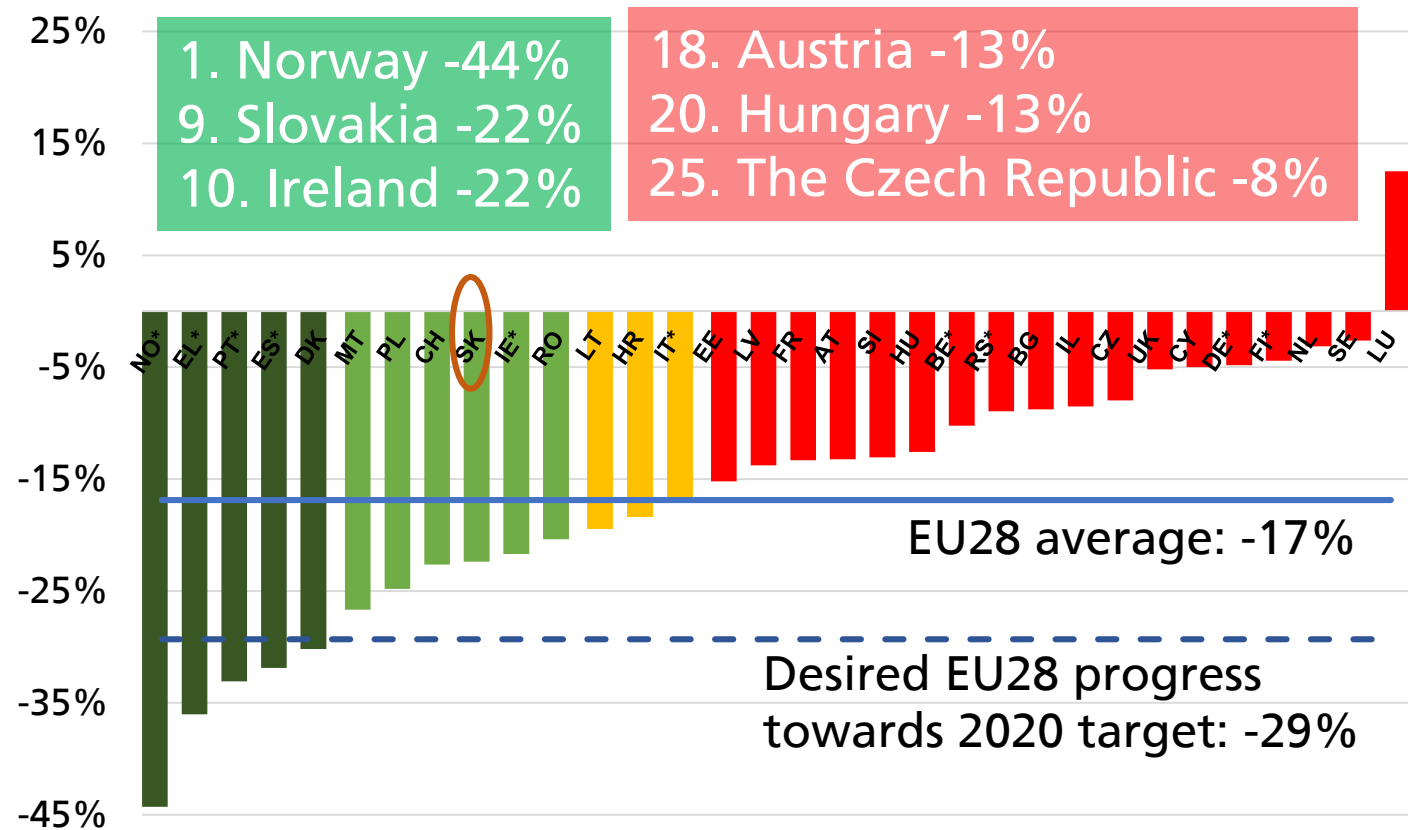


Change in road deaths (in %) 2014-2015

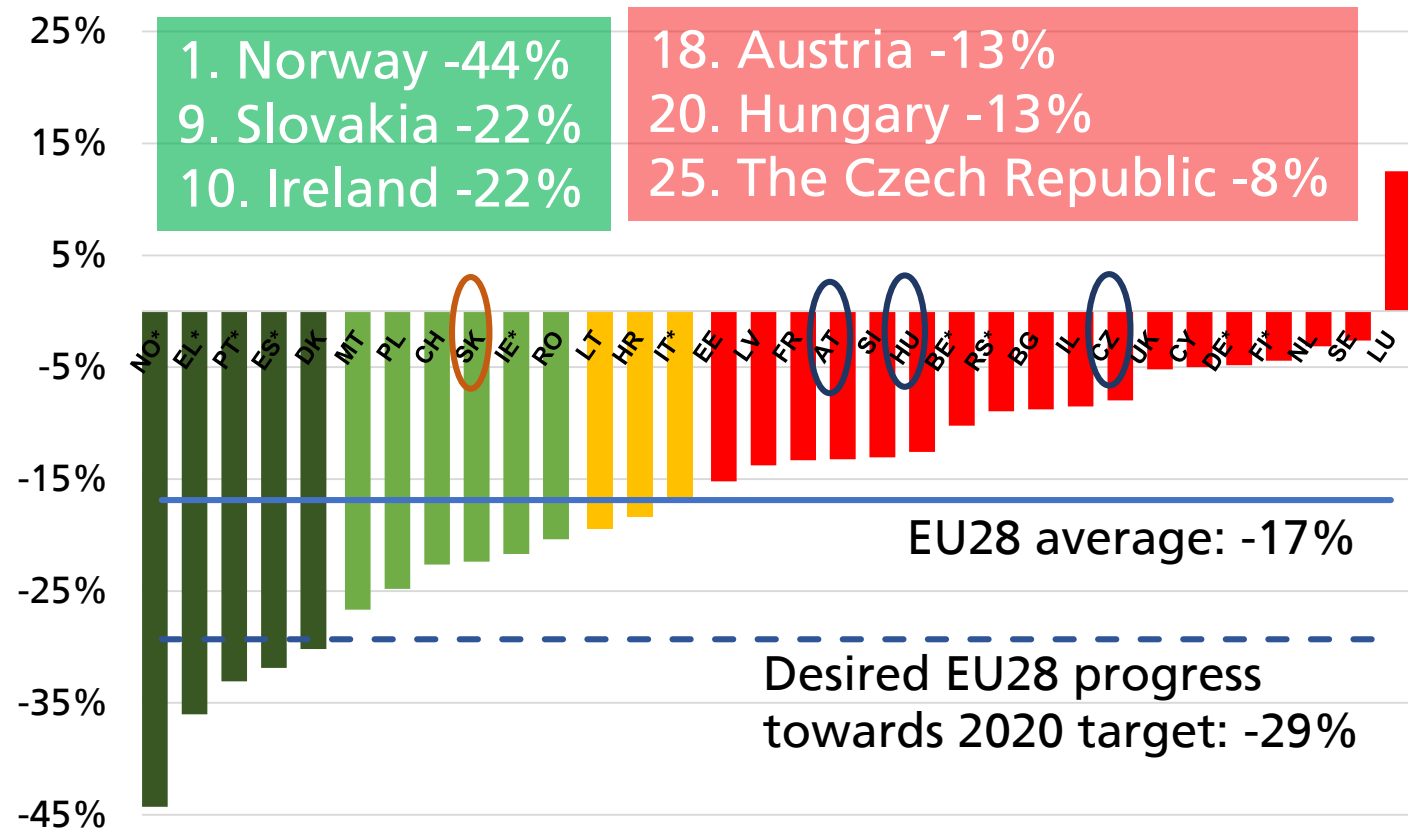


Change in road deaths (in %)

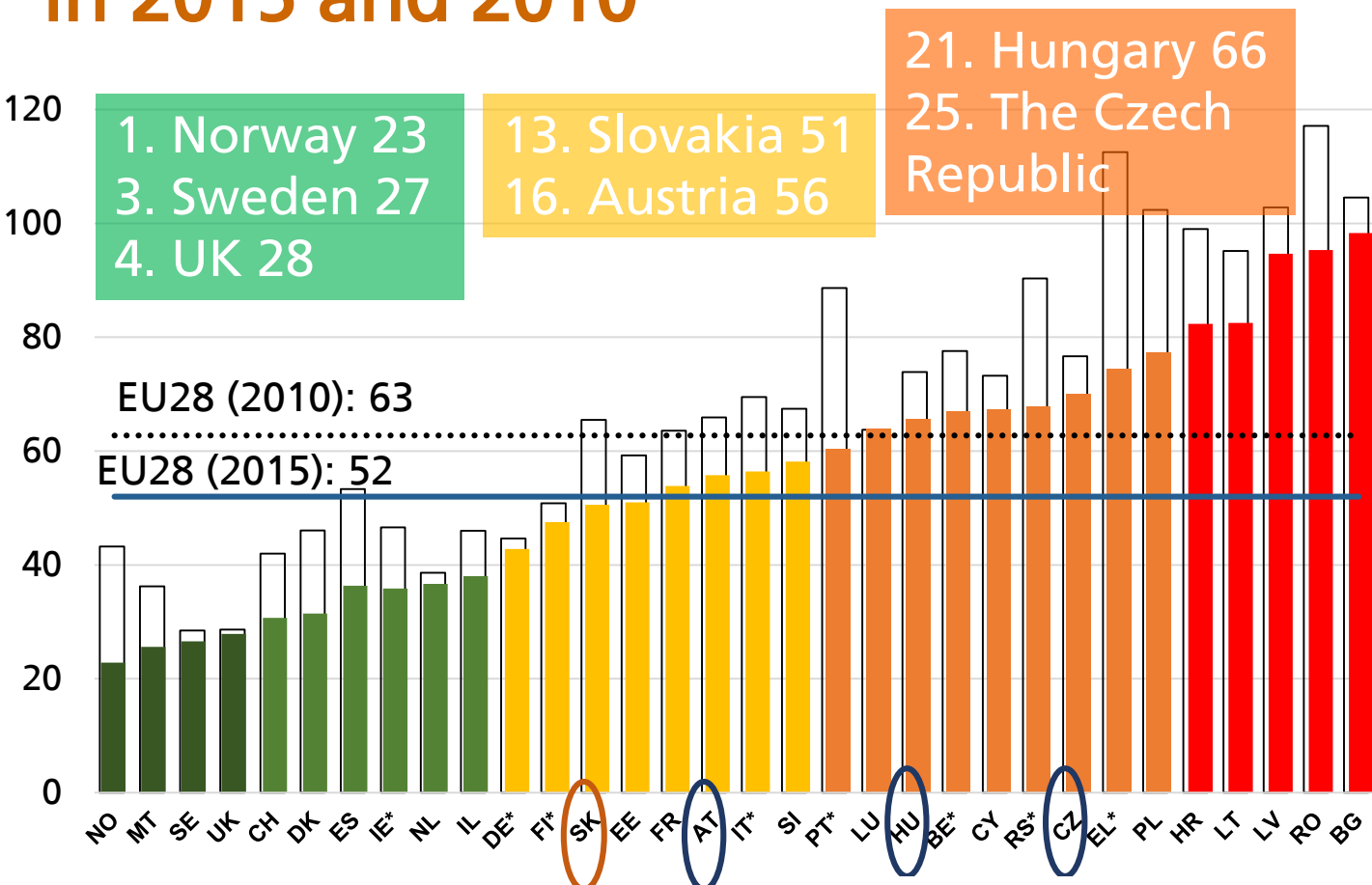
2010-2015



Change in road deaths (in %) 2010-2015



Road deaths per mln. Inhabitants in 2015 and 2010





Slovakia

Winner of the 2014 PIN Award



135,000*

seriously injured in
road traffic in the EU
in 2014

**MAIS3+ estimates by the European Commission*



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LET'S



**FOR A EUROPEAN TARGET
TO REDUCE SERIOUS ROAD INJURIES**



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The main killers on the roads

☠ Speeding

More than **1,300** road deaths could be prevented each year if average speeds dropped by 'only' **1km/h** on all roads across the EU.



☠ Drink driving

At least **5,600** deaths could have been prevented if all drivers involved in accidents and reported to be driving over the limit had been sober.

☠ Non use of **seat belts**

Around **8,600** car occupants survived serious crashes in 2012 because they wore a seat belt.

Vehicle safety: big opportunity in 2016



The problem of speed

- **Drivers have slowed down since 2001**
- Best progress has been made on **motorways**: around **30%** of drivers exceed the speed limit on **motorways**
- But speed violations are still up to **70%** on **rural roads** (in Denmark and Poland) and as many as **80%** on **urban roads** (Poland)

Intelligent Speed Assistance

1. Car receives position information via GPS and current speed limit from a digital map. Can also be combined with video camera sign recognition.

2. Speed limit is displayed on the dashboard.

Driver can override system by pushing harder on accelerator.

3. Car helps driver not to speed when speed limit is reached.



Why ISA?

ISA COULD CUT **COLLISIONS** BY **30%**
AND **DEATHS** BY **20%**



Cars fitted with ISA
could **reduce CO2**
emissions by **8%**



EuroNCAP awards
extra points to
cars fitted with ISA



78% of road users
64% of car drivers
say they support in-vehicle
speed limiters (SARTRE 2012)

Icons by Mateo Zlatar and Arthur Shlain from The Noun Project



Drink-driving in the EU



The phenomenon is still widespread in the EU:

- Up to 1.5 - 2% of Km driven in the EU are driven with an illegal BAC
- Around 20-25% of all road deaths across the EU are alcohol-related (over 30% of driver deaths)
- Alcohol related crashes are the leading cause of death in the age group 16-25



Alcohol Interlocks

- Increasingly used across Europe
- Reoffending rates in Finland reduced from 30% to 6% with use of interlocks
- Already compulsory on school buses in France and Finland.

Should be mandatory for professional vehicles and all cars should have a standard interface to enable use when needed.

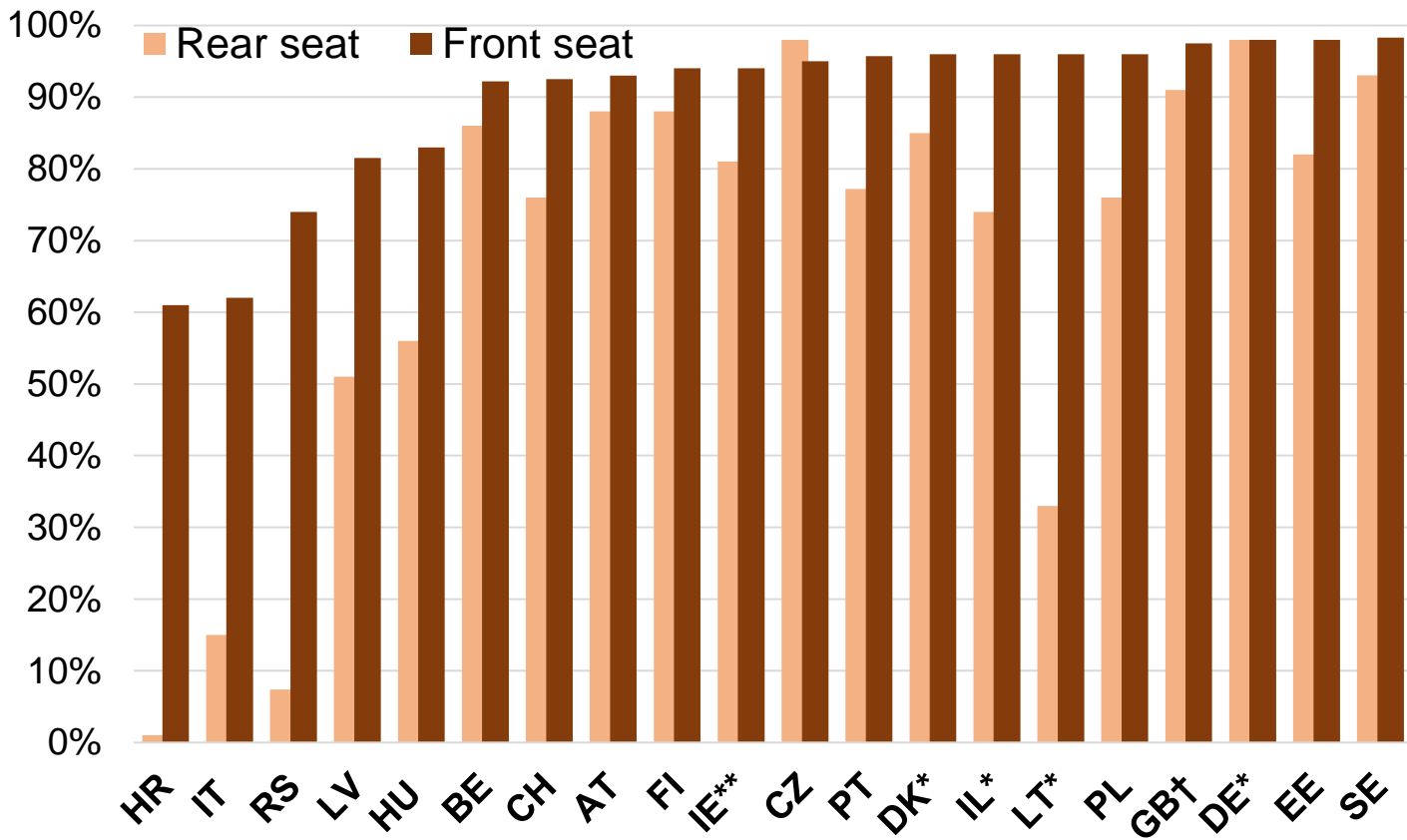


Seat Belt Reminders



- The seat belt remains the single most effective safety feature in vehicles
- Seat belt use is mandatory on all seats
BUT reminder alerts only on driver seat
- Wearing rates vary greatly across Europe

Seat belt wearing rates 2015



ETSC recommendations to the EU

- Adopt legislation for fitting all new vehicles with an overridable assisting Intelligent Speed Assistance system.
- Extend the mandatory fitment of advanced seat belt reminders as standard equipment to all seats.
- Ensure that vehicle interfaces make it possible to fit an alcohol interlock.

HOW SAFE ARE NEW CARS SOLD IN THE EU? AN ANALYSIS OF THE MARKET PENETRATION OF EURO NCAP-RATED CARS

PIN Flash Report 30

March 2016



ETSC recommendations to Slovakia

- Collect comprehensive road safety data
- Set national serious road injury reduction target based on MAIS3+ alongside the reduction of deaths
- Introduce penalty point system system in driver license
- Introduce alcohol interlocks in driver rehabilitation programs
- Implement and apply the Cross Border Enforcement Directive in full, setting targets for high level of follow-up of non-resident offenders

Thank you!

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