

IRTAD meeting November 16th, 2021

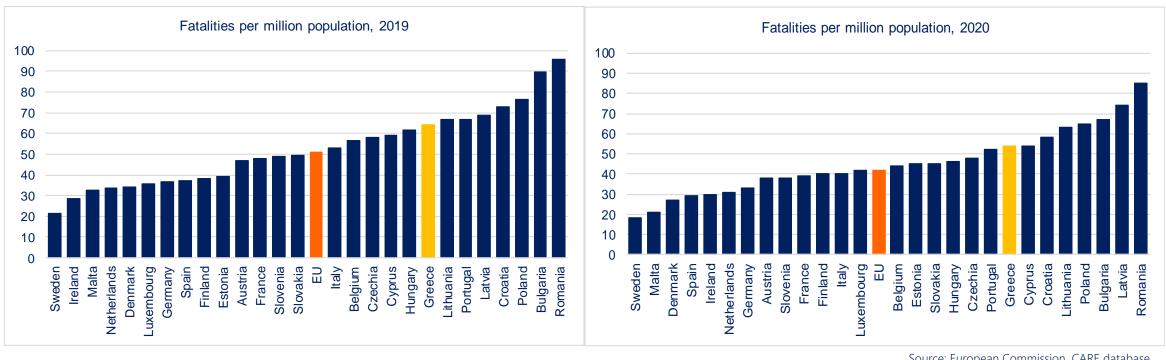


The value of disaggregate data in road crash analysis

George Yannis, Professor K. Folla, D. Nikolaou, M. Kallidoni, Researchers



Road Fatalities per million population, 2019-2020

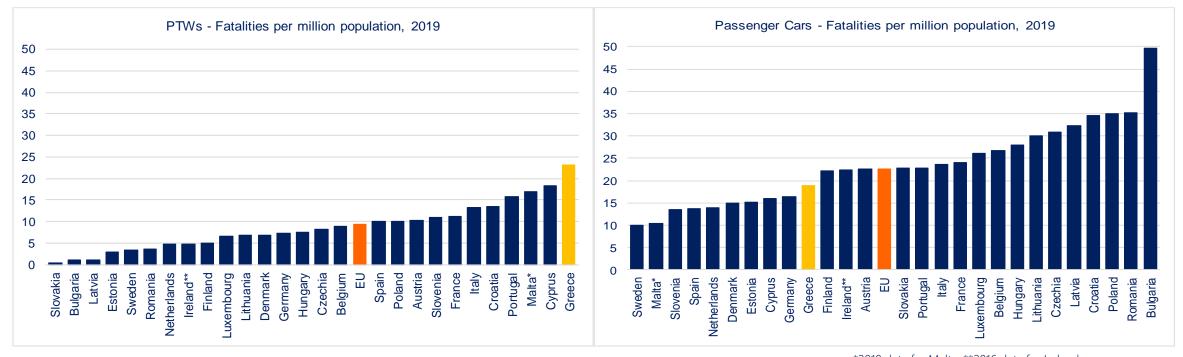


Processing: NTUA - Road Safety Observatory

- ➤ Based on CARE final data for 2019, Greece ranked 20th among the EU countries in terms of road fatalities per million population
- ➤ Based on preliminary European Commission data for 2020 (published on April 2021), Greece remains at the 20th position among the EU countries



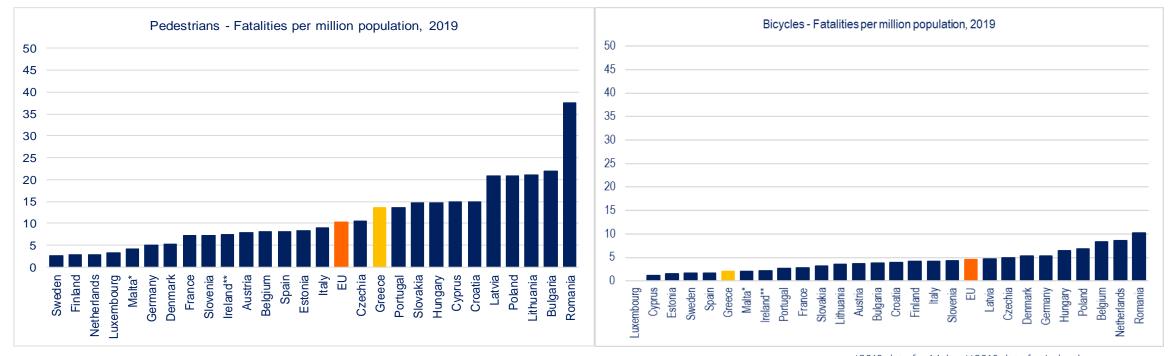
Road Fatalities by Transport Mode, 2019 (1/2)



- ➤ Greece had the highest PTW fatality rate (motorcycles & mopeds) in the EU (27th with 23 fatalities per million population), while the EU average was about 9
- ➤ Passenger car fatality rate in Greece (10th with 19 fatalities per million population) was below the EU average (23)



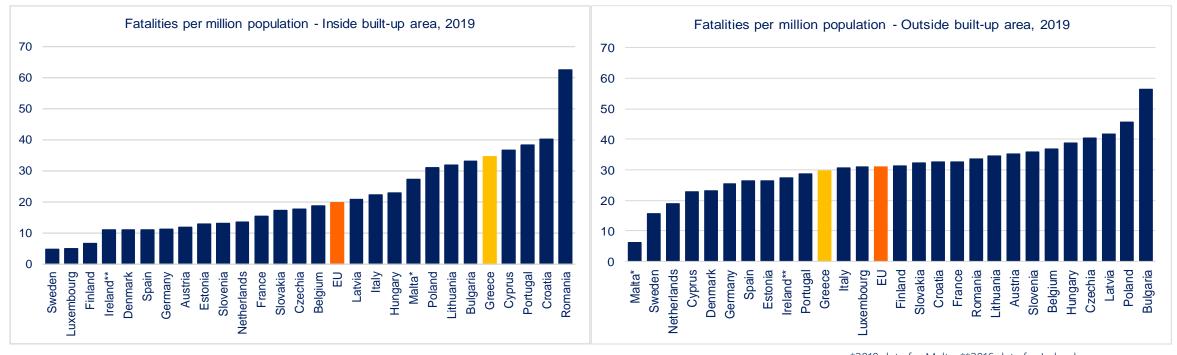
Road Fatalities by Transport Mode, 2019 (2/2)



- ➤ Pedestrian fatality rate in Greece (17th with 14 fatalities per million population) was a bit higher than the EU average (10)
- ➤ Bicycle fatality rate in Greece (6th with 2 fatalities per million population) was quite lower than the EU average (4.6)



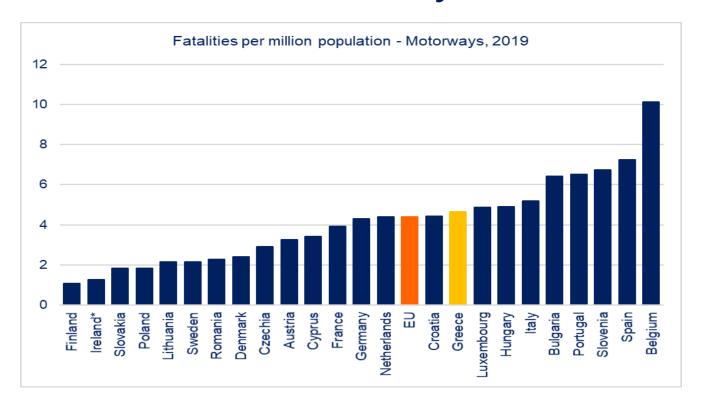
Road Fatalities by Area Type, 2019



- Fatality rate inside built-up areas in Greece (23rd with 35 fatalities per million population) was higher than the EU average (20)
- Fatality rate outside built-up areas in Greece (11th with 30 fatalities per million population) was slightly lower than the EU average (31)



Road Fatalities on Motorways, 2019



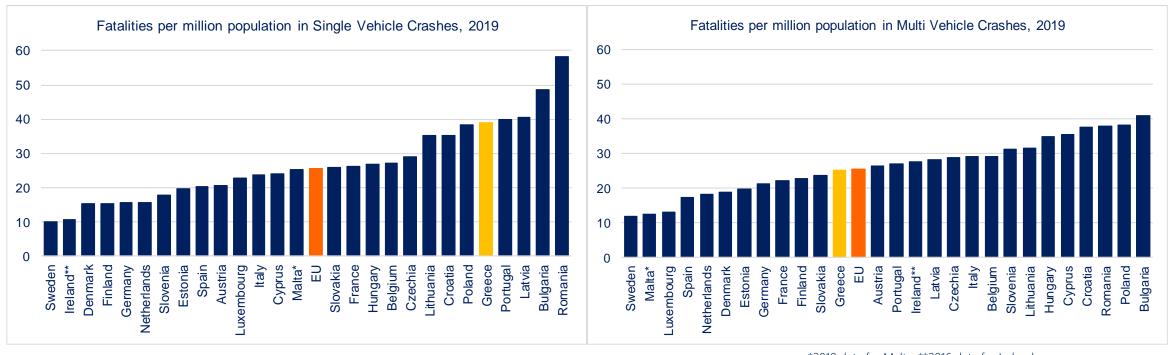
^{*2016} data for Ireland

**No motorways in Estonia, Latvia and Malta

Source: CARE database, Processing: NTUA - Road Safety Observatory

Fatality rate on motorways in Greece (16th with 4.7 fatalities per million population) was slightly higher than the EU average (4.4)

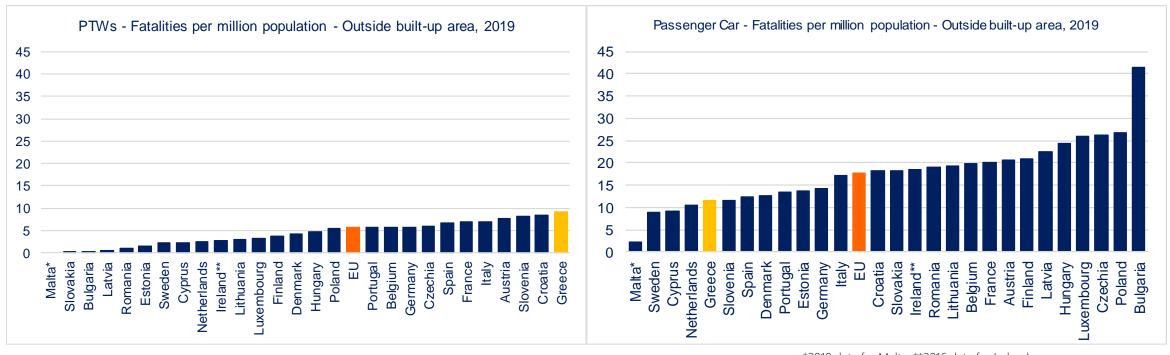
Road Fatalities by Number of Vehicles involved, 2019



- Fatality rate in single vehicle crashes in Greece (23rd with 39 fatalities per million population) was higher than the EU average (26)
- Fatality rate in multi vehicle crashes in Greece (12th with 25.1 fatalities per million population) was almost equal to the EU average (25.5)

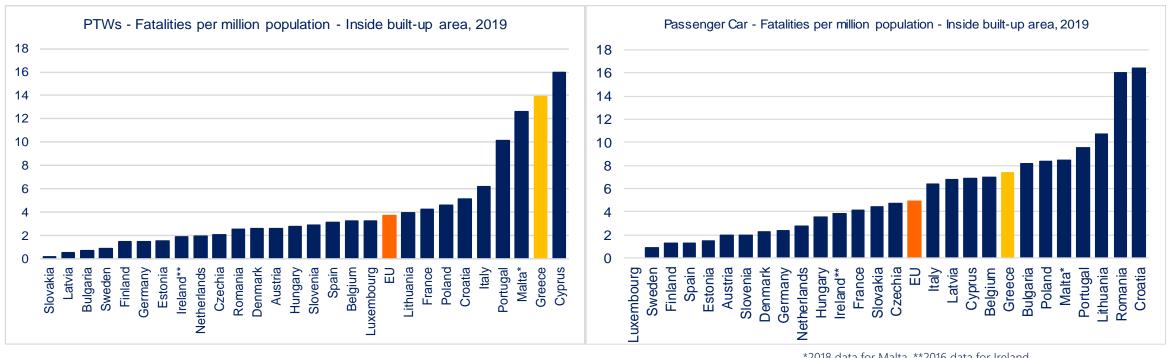


Road Fatalities Outside built-up areas by Transport Mode, 2019



- ➤ Greece had the highest PTW fatality rate outside built-up areas in the EU (27th with 9.1 fatalities per million population), while the EU average was 5.6
- ➤ Passenger car fatality rate outside built-up areas in Greece (5th with 11.5 fatalities per million population) was quite lower than the EU average (17.7)

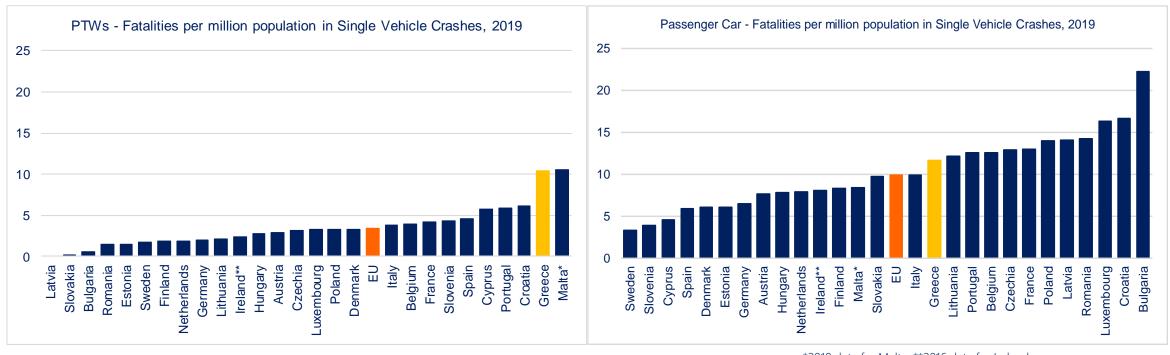
Road Fatalities Inside built-up areas by Transport Mode, 2019



- ➤ Greece had the second-highest PTW fatality rate inside built-up areas in the EU (26th with 13.9 fatalities per million population), while the EU average was 3.7
- ➤ Passenger car fatality rate inside built-up areas in Greece (20th with 7.4 fatalities per million population) was higher than the EU average (4.9)



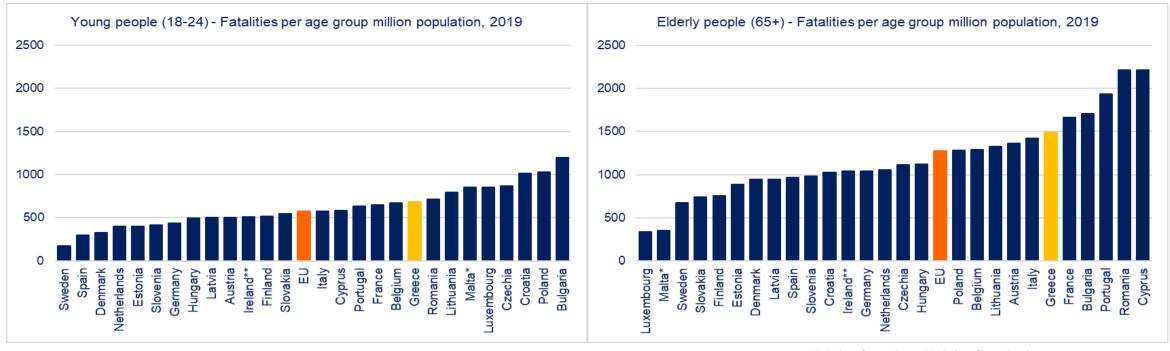
Road Fatalities in Single Vehicle Crashes by Transport Mode, 2019



- ➤ Greece had the second-highest PTW fatality rate in Single Vehicle Crashes in the EU (26th with 10.4 fatalities per million population), while the EU average was 3.3
- ➤ Passenger car fatality rate in Single Vehicle Crashes in Greece (16th with 11.7 fatalities per million population) was higher than the EU average (9.9)



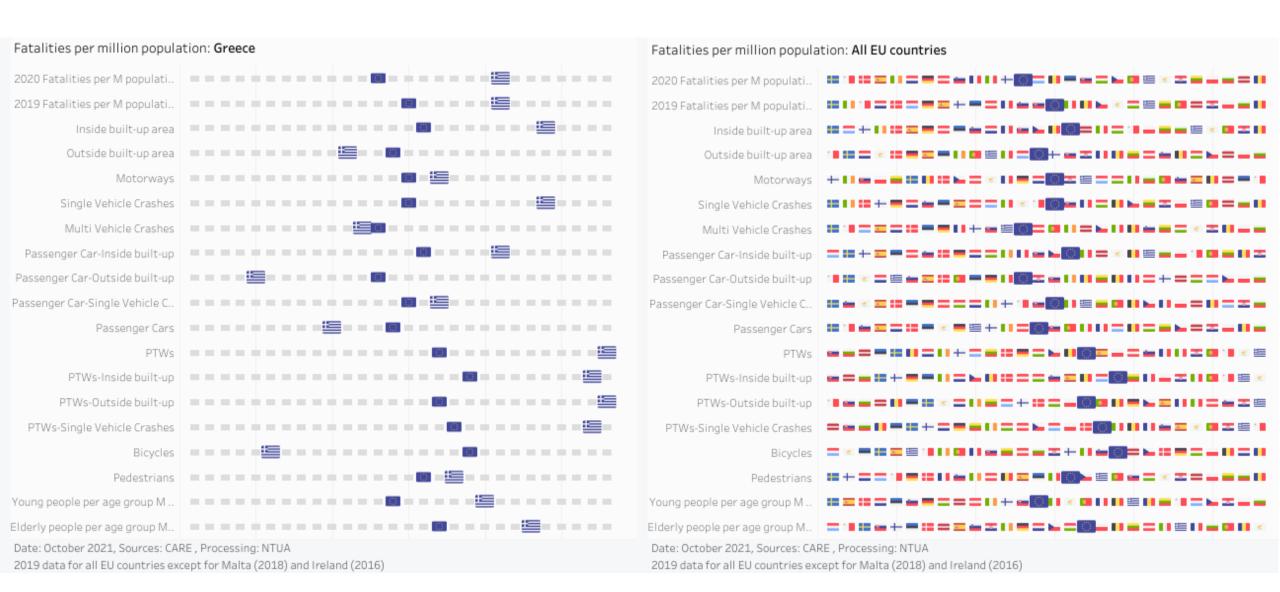
Road Fatalities by Age Group, 2019



- ➤ Young people (18-24) fatality rate in Greece (19th with 685 fatalities per age group million population) was higher than the EU average (578)
- ➤ Elderly people (65+) fatality rate in Greece (22th with 1484 fatalities per age group million population) was higher than the EU average (1276)



EU dynamic road fatalities map - www.nrso.ntua.gr/nrso-ec2/





Concluding Remarks

- ➤ The total number of road fatalities per million population allows for some overall comparisons among countries
- ➤ However, countries performance may differ significantly when different types of road crashes are examined
- ➤ Disaggregate data can reveal hidden road safety problems, allowing national Authorities to focus on targeted road safety countermeasures







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