



*Presentation to
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UNECE Rail Safety Statistics

Nathan Menton and Alex Blackburn
Working Party on Transport Statistics (WP.6)



Overview

- Rail Accident Statistics
- Level Crossing Statistics
- Cross-Modal Safety Indicators
- Slips, trips and falls



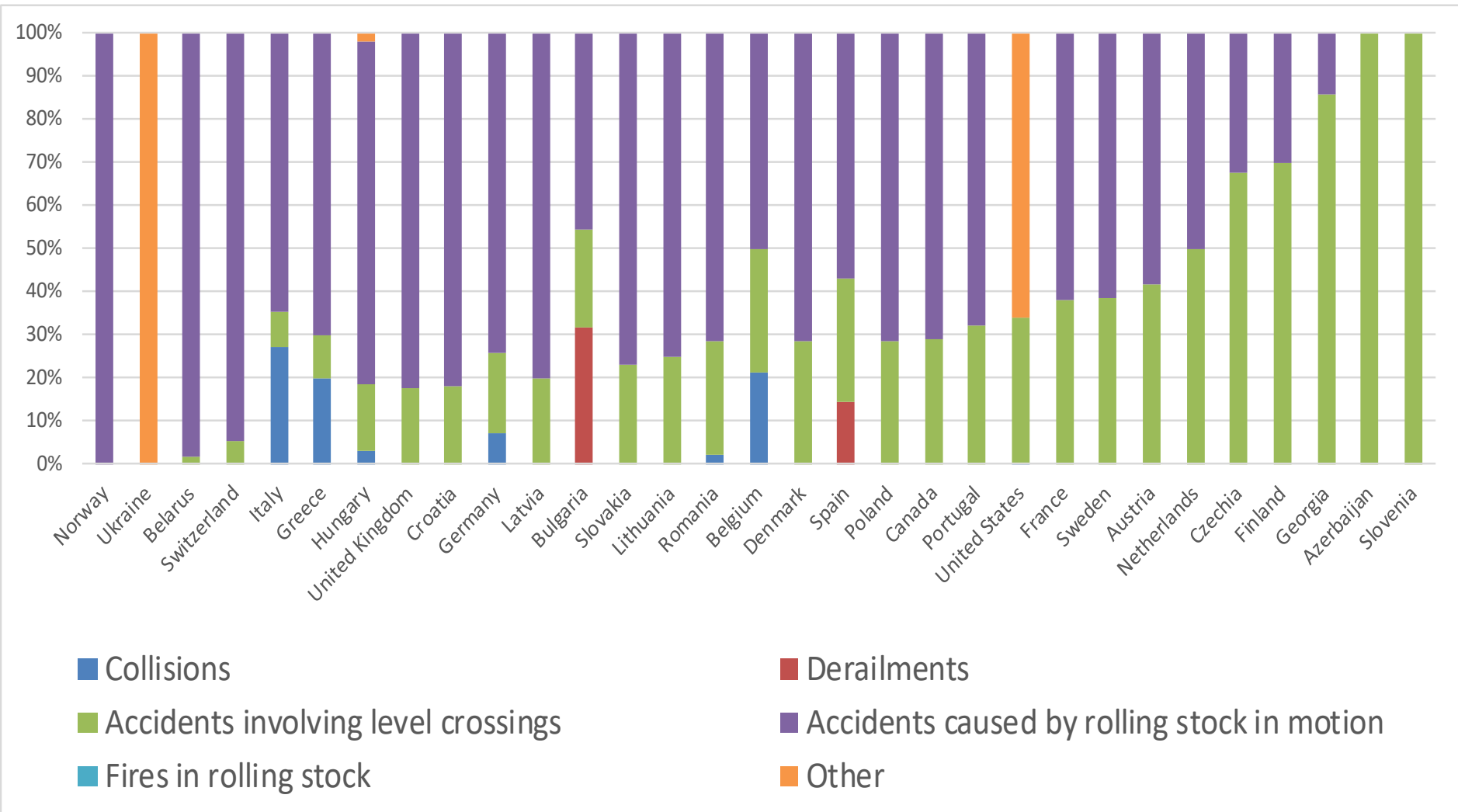
Rail Accident Statistics

- Pilot questionnaire sent out for first time in 2017. WP.6 made the collection permanent in 2018. Only sent to countries not covered by the ERA.
- Data collected on numbers of killed and injured, broken down by passengers, employees and others.
- Accident types: collisions, derailments, accidents involving level crossings, Accidents caused by rolling stock in motion, Fires in rolling stock, Other.
- **Data published on UNECE website**



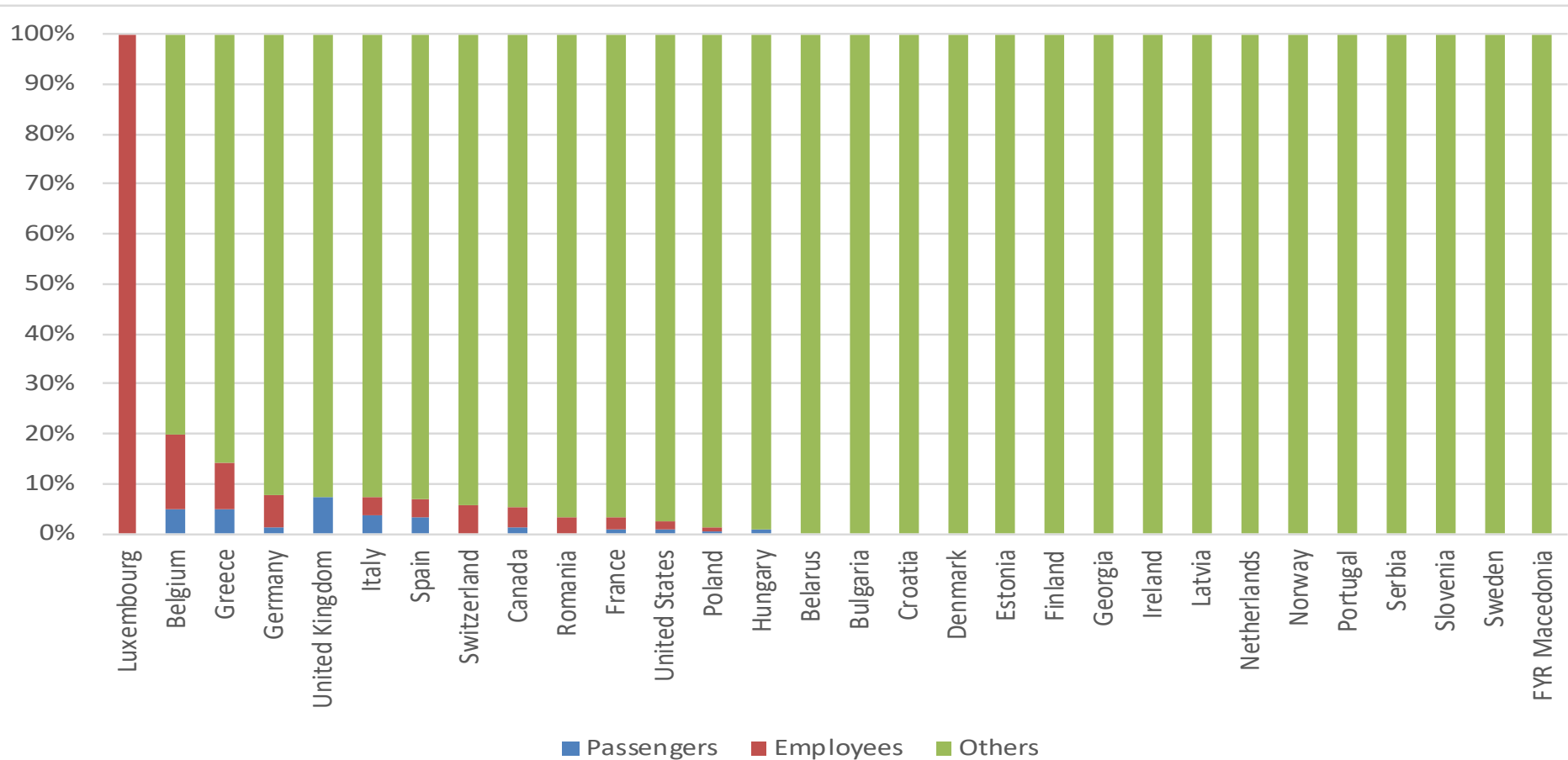
Rail Accident Statistics (1)

Majority of fatalities occur at level crossings or caused by rolling stock in motion



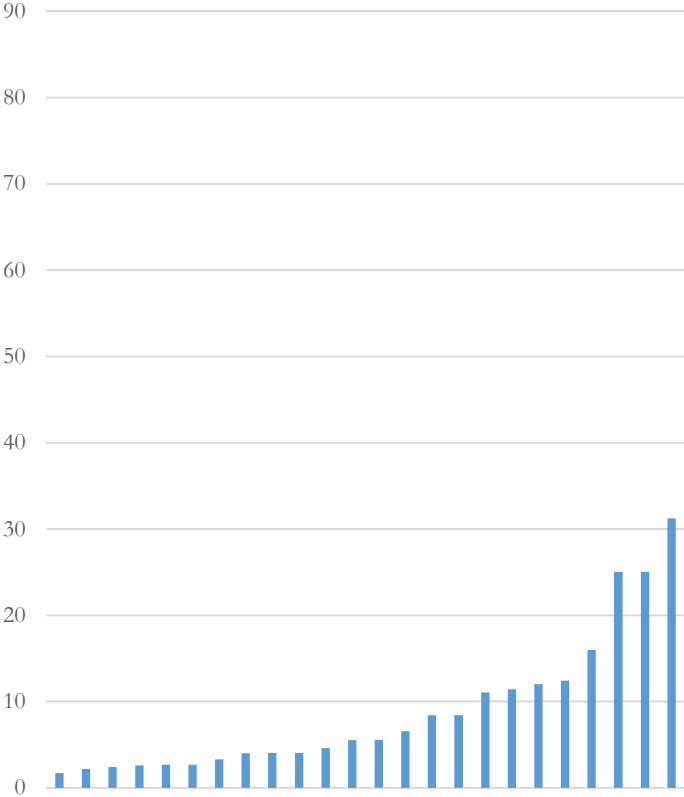
Rail Accident Statistics (2)

- Vast majority of fatalities occur to “others”, meaning level crossing users and trespassers.
- Indications that safety policy should be directed at Level Crossings and stopping trespassers.

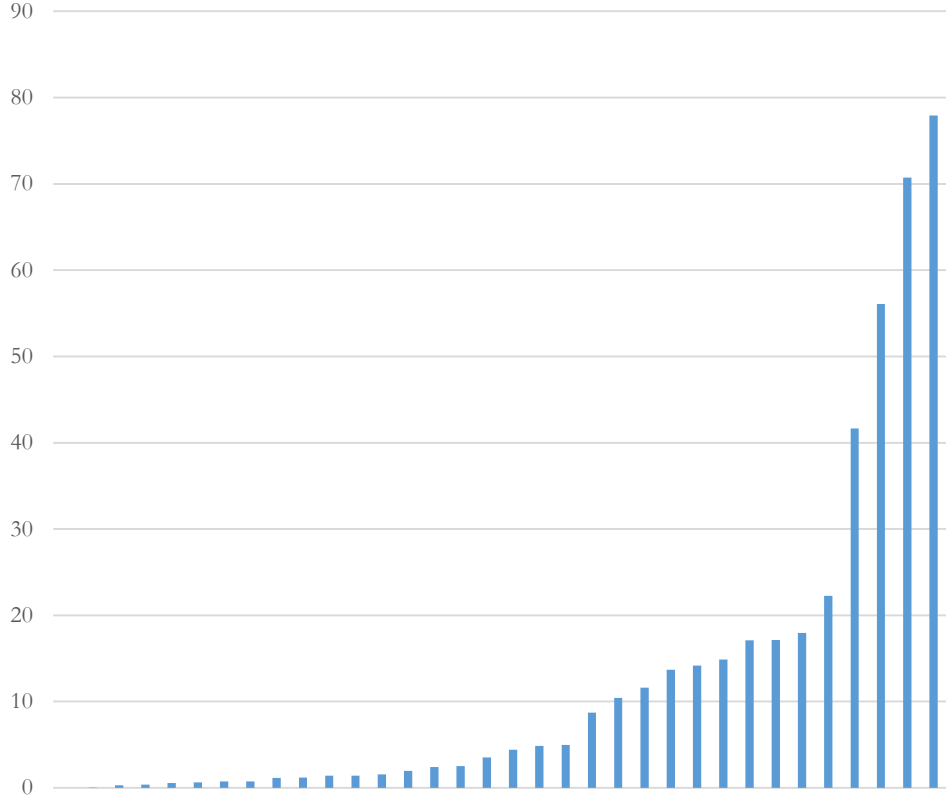


Cross Modal Safety Comparisons (including others)

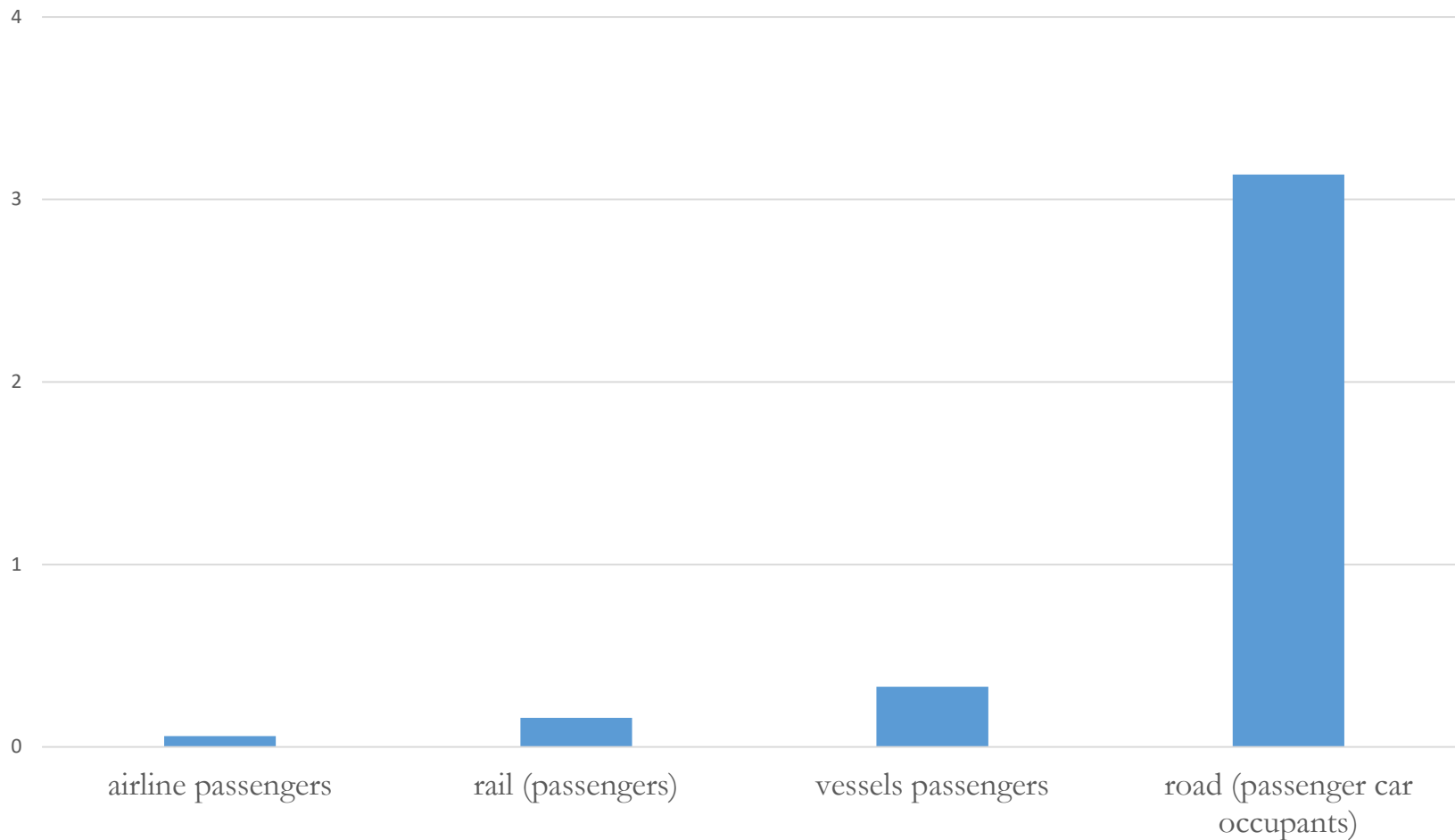
All road deaths per billion pkm



All rail deaths per billion pkm



Cross-modal safety comparisons (passengers only, per billion pkm)



Level Crossing Safety Statistics

- At the request of the UNECE Expert Group on Safety at Level Crossings (WP.1/GE.1), WP.6 sent out a LX safety questionnaire in 2017, and continued this in 2018.
- Data requested include infrastructure information (number and types of LXs), together with accident information, by type of user.
- Infrastructure information well reported for most member States.
- Requested victim type breakdown possibly too detailed (poorly reported).
- **Data published on UNECE website**





Slips, trips and falls

- Slips, trips and falls: accidents (deaths and injuries) occurring on trains and in train stations **not related to the vehicle being in motion.**
- Could show attitudes to safety and be a safety **precursor.** Number of injuries may equal or exceed those of rail traffic accidents.
- Data not collected at the EU/ERA level. Data likely to be equally limited outside EU.
- Questions of scope / possible double-counting may limit data comparability at present where data are available
 - slips on ice outside station door included?
 - passenger banging head inside the train?