

UNECE level crossing expert group

Safety data sub-group

Fourth meeting of the expert group

Geneva, January 29th-30th, 2015

Additional data

- Publicly available data reviewed for:
 - Australia
 - Canada
 - India
 - New Zealand
 - United States of America (USA)
- Hierarchy of utility:
 - Canada / New Zealand / USA
 - Australia
 - India
- High level, non type specific publicly available data for additional jurisdictions
 - Is available
 - Time series is incomplete

Data hosting & management

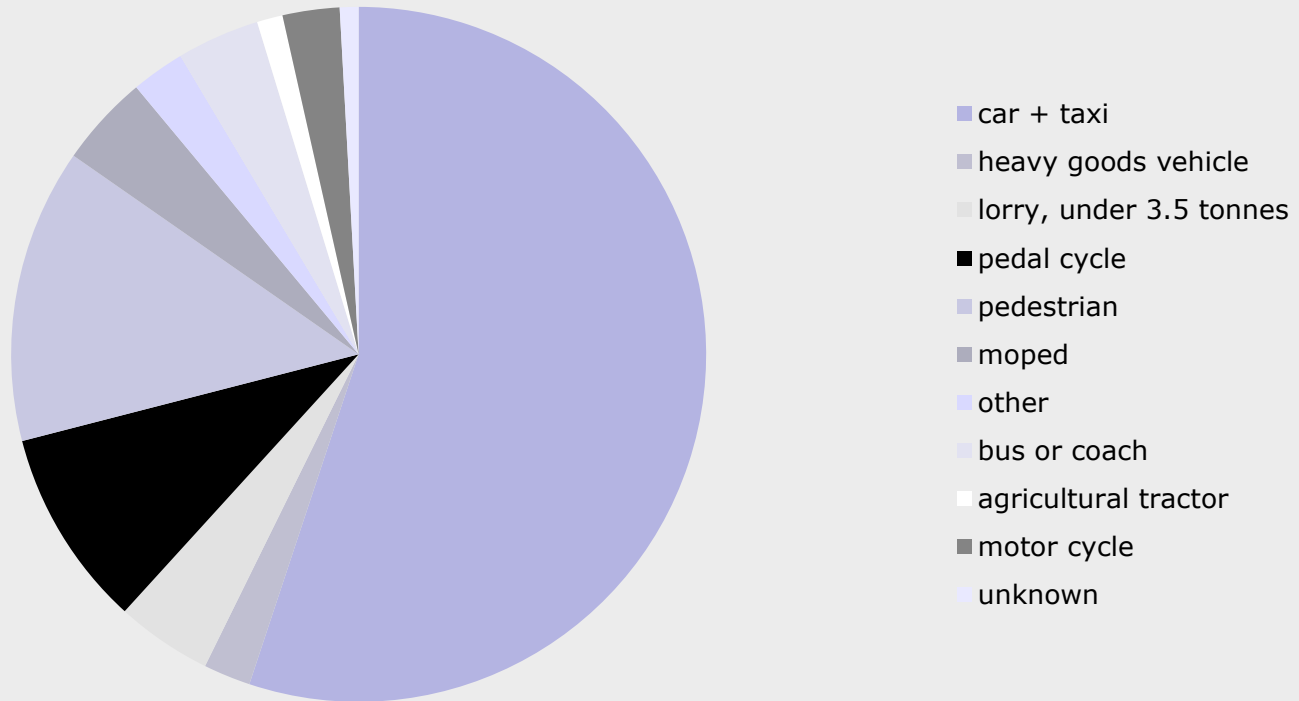
- Eurostat, European Rail Agency very unlikely to agree to hosting data for further jurisdictions
- A large-scale retrospective collection of source data is definitively not justified
- Sub-group can undertake a very limited analysis for demonstration purposes for fifth meeting
- A crude risk ranking is possible:
 - The subject of papers to the Global Level Crossing Symposium 2012
 - Limited time series
 - By type of crossing

Comparing like with like

- Standard UN groupings are available
 - These do not take account of, for example, per capita incomes and levels of car ownership
 - If other than standard groupings is preferred, these will need to be developed
- Some analysis for EU countries is possible using CARE road accident database
 - Data sets do not exist for all jurisdictions
 - Where these exist, data concerning level crossings is incomplete
 - Therefore, at most it is for demonstration purposes

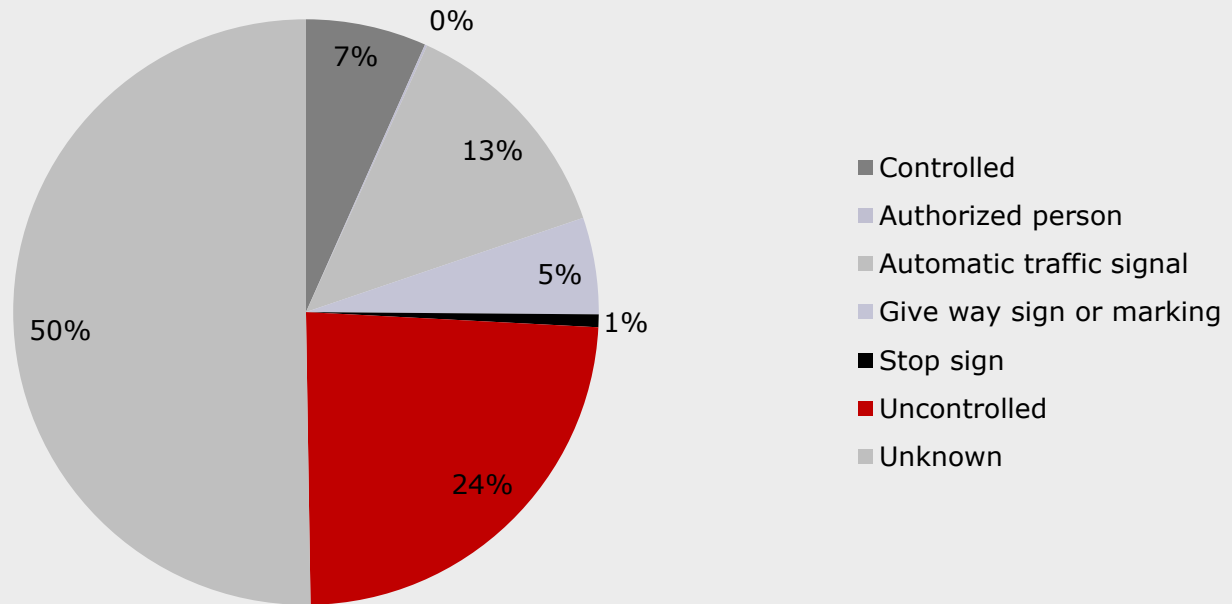
Data lodged with CARE (1)

Fatal accidents at LC per type of user



Data lodged with CARE (2)

Fatal LC accidents per type of LC
all users



Recommendations (2)

- Note the sub-groups intention to build upon work presented at the Global Level Crossing Symposium 2012 with regard to risk-ranking level crossing safety performance
- Accept that further collection & analysis of data undertaken by the sub-group will be for demonstration purposes, to illustrate the specification for and capability of a database to enable benchmarking of level crossing safety & support risk reduction on a broader multi-national basis

Recommendations (1)

- Note that it is unlikely to be possible for the existing EU databases to be extended to accommodate and undertake analysis of data from additional jurisdictions
- Note the standard UN grouping of UNECE member states which the sub-group considers should be adopted for analysis of data pertaining to level crossings



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