



SafetyCube

# Challenges for transferability

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# Where has knowledge been developed and where can it be applied?



- Knowledge about risk factors and road safety measures has been developed in quite few countries
- Almost all the research has been made in high-income countries in Europe, North America and Oceania
- Can knowledge be applied in other countries than those where it was produced?
- This is the transferability challenge

# The belief that all knowledge is local is self-defeating



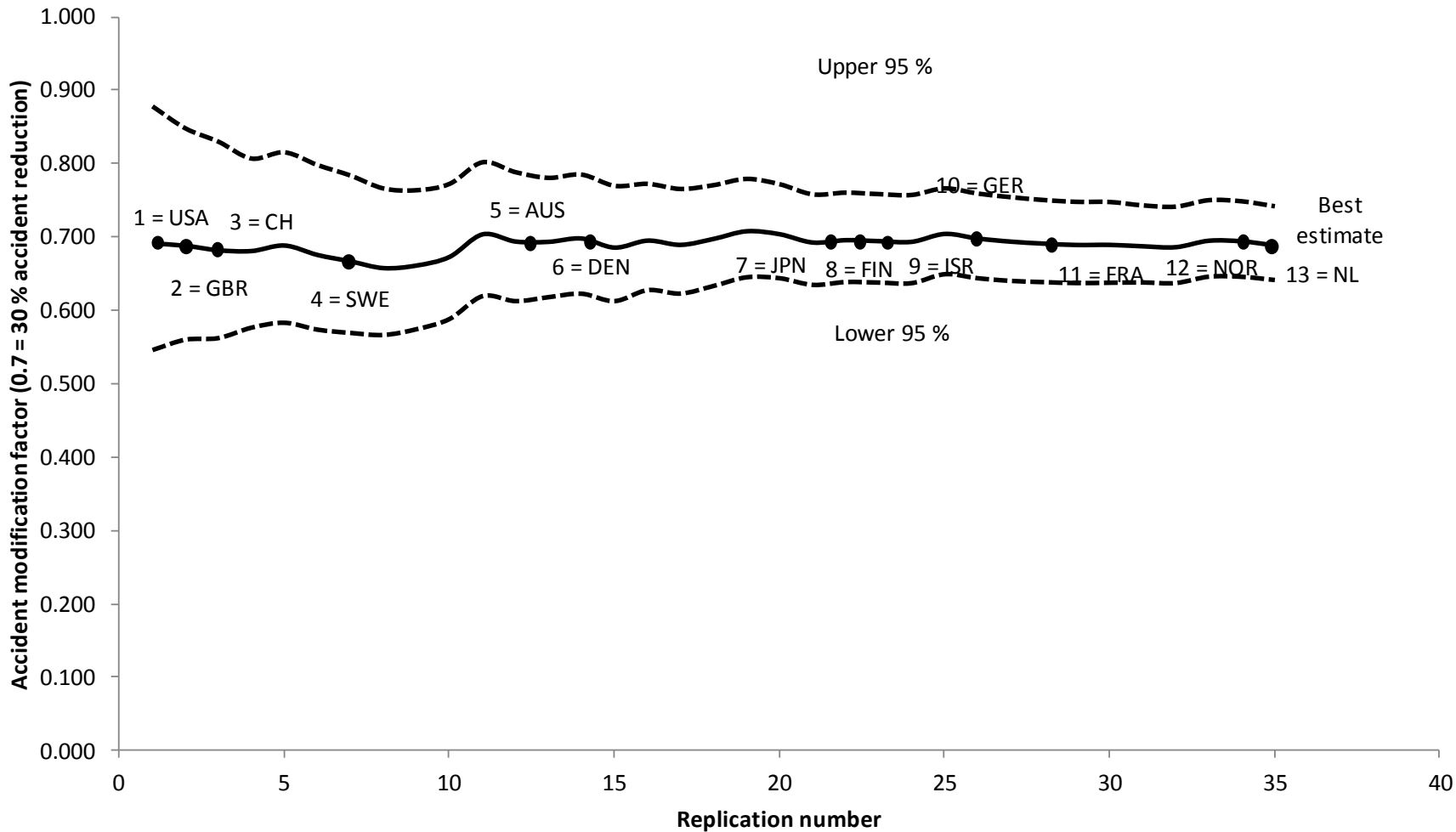
- If all knowledge is valid locally only, that it is if:
  - *It applies only to a single country, or part of a country*
  - *At a single point in time*
- There is no point in publishing the knowledge, because nobody can learn anything from it
- This point of view makes all research pointless and denies the possibility of ever learning from others
- Our view is exactly the opposite: Knowledge has general validity unless specific reasons can be given for thinking otherwise

# Assessing transferability by means of meta-analysis



Variables held constant	Comparison with respect to	Categories compared	Percentage change in the number of accidents	95 % confidence interval
Year = 2016; Design = before-after controlling for trend and regression to the mean; Severity = Fatal	Region	Nordic	-64	(-81; -35)
		Rest of Europe	-64	(-80; -33)
		Rest of World	-80	(-89; -62)
Region = Nordic; Design = before-after controlling for trend and regression-to-the-mean; Severity = Fatal	Year	1975	-65	(-81; -36)
		2016	-64	(-81; -35)
Year = 2016; Region = Nordic; Severity = Fatal	Study design	Cross-section	-60	(-79; -27)
		Before-after (§)	-64	(-81; -35)

# The effects of road lighting are the same in all countries where they have been evaluated



# We have assessed transferability



- Each synopsis describing a risk factor or road safety measure contains a section discussing transferability
- If we judge transferability to be limited, that is noted
- The solution if there is limited transferability is obvious:
- Perform research in more countries