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Road I/52 – basic safety analysis

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2013

Dostupný z <http://www.nusl.cz/ntk/nusl-172811>

Dílo je chráněno podle autorského zákona č. 121/2000 Sb.

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Datum stažení: 25.04.2024

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Road I/52 – basic safety analysis

Martin Lipi








„The project is supported by the International Visegrad Fund (www.visegradfund.org)”

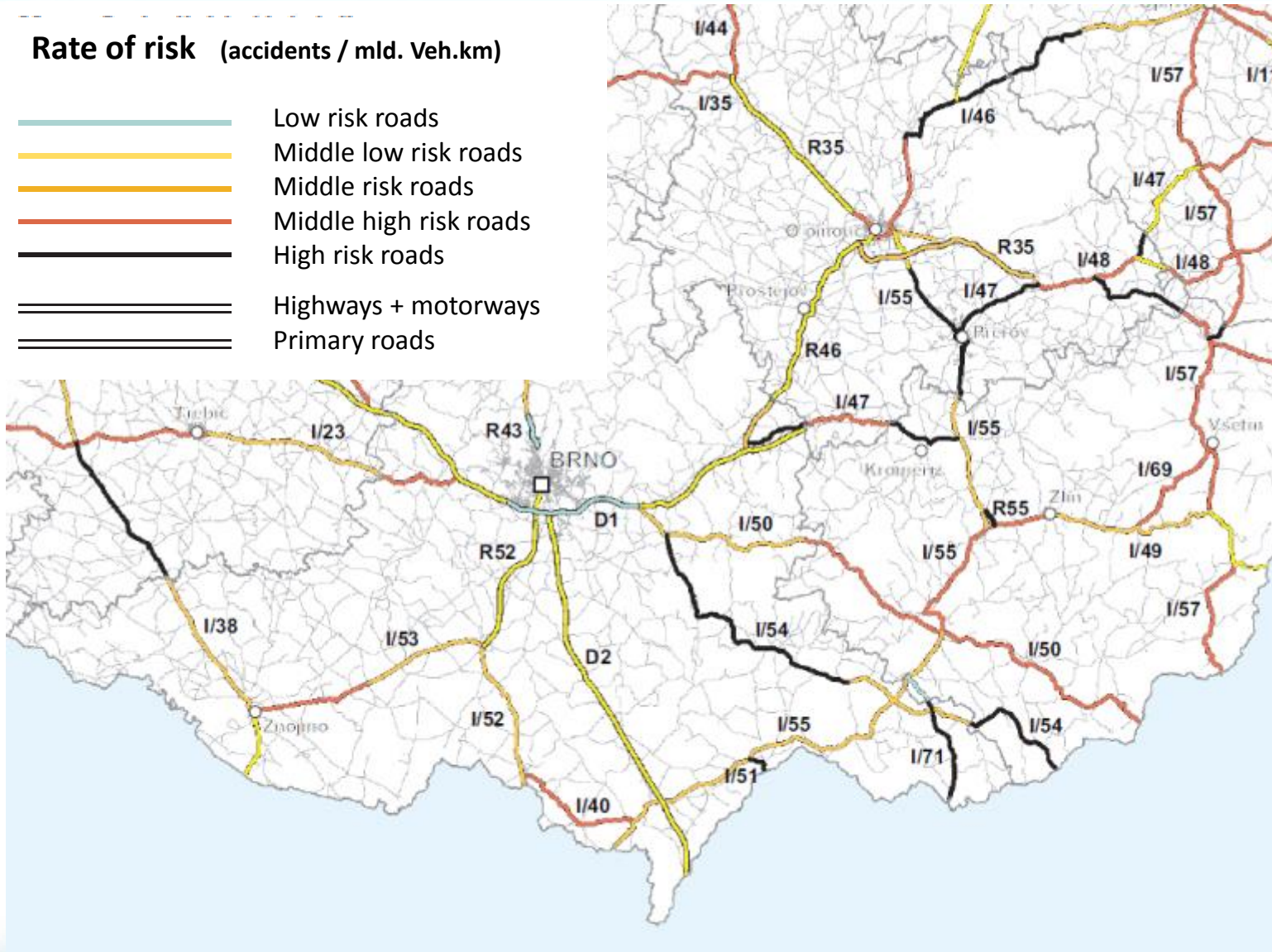
Czech Republic – main directions

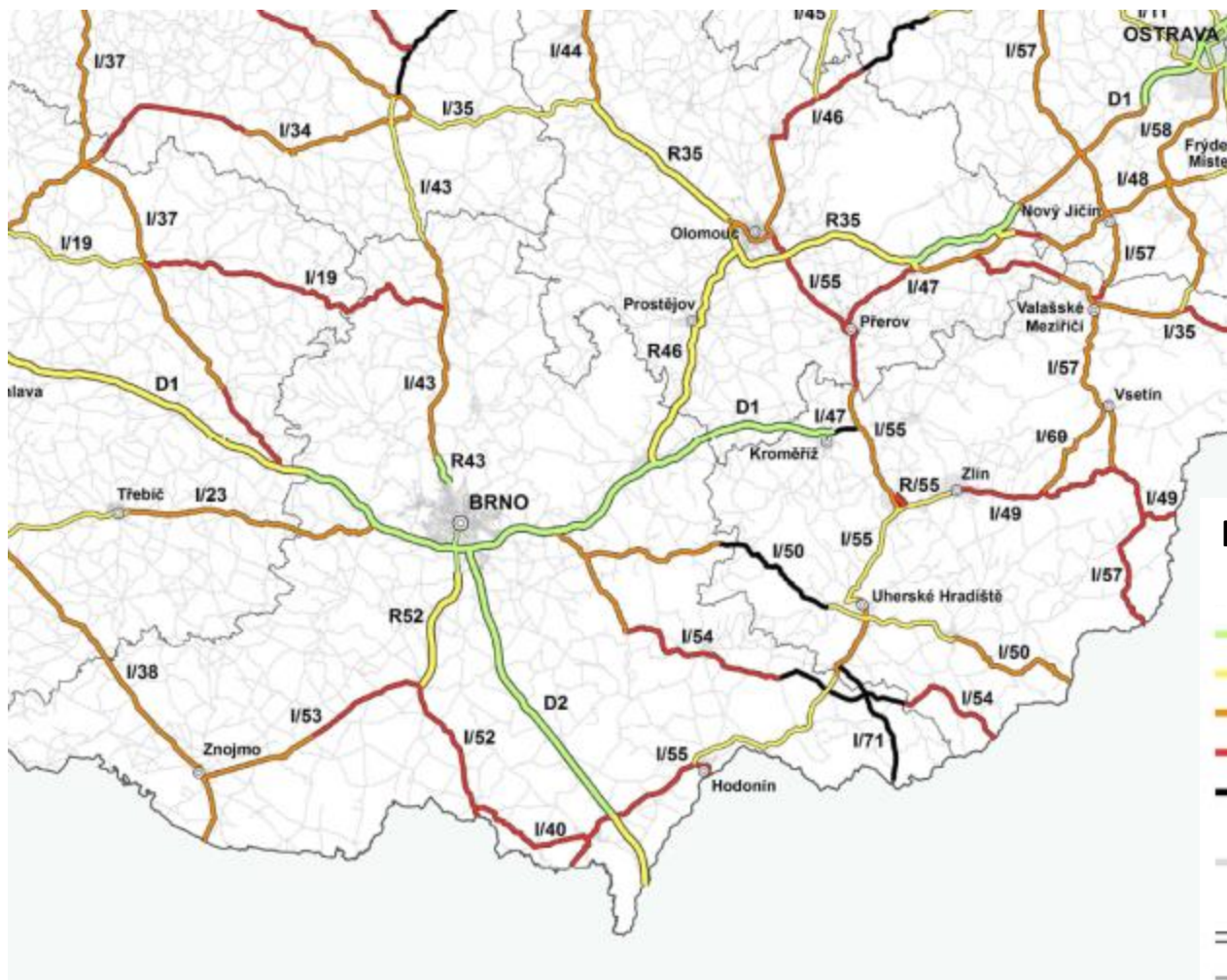
Czech Republic is a transit country (summer and winter holiday), especially in north – south direction and east – west direction as well. The speeding and fatigue could play a serious role in accidents occurrence.



Rate of risk (accidents / mld. Veh.km)

-  Low risk roads
-  Middle low risk roads
-  Middle risk roads
-  Middle high risk roads
-  High risk roads
-  Highways + motorways
-  Primary roads

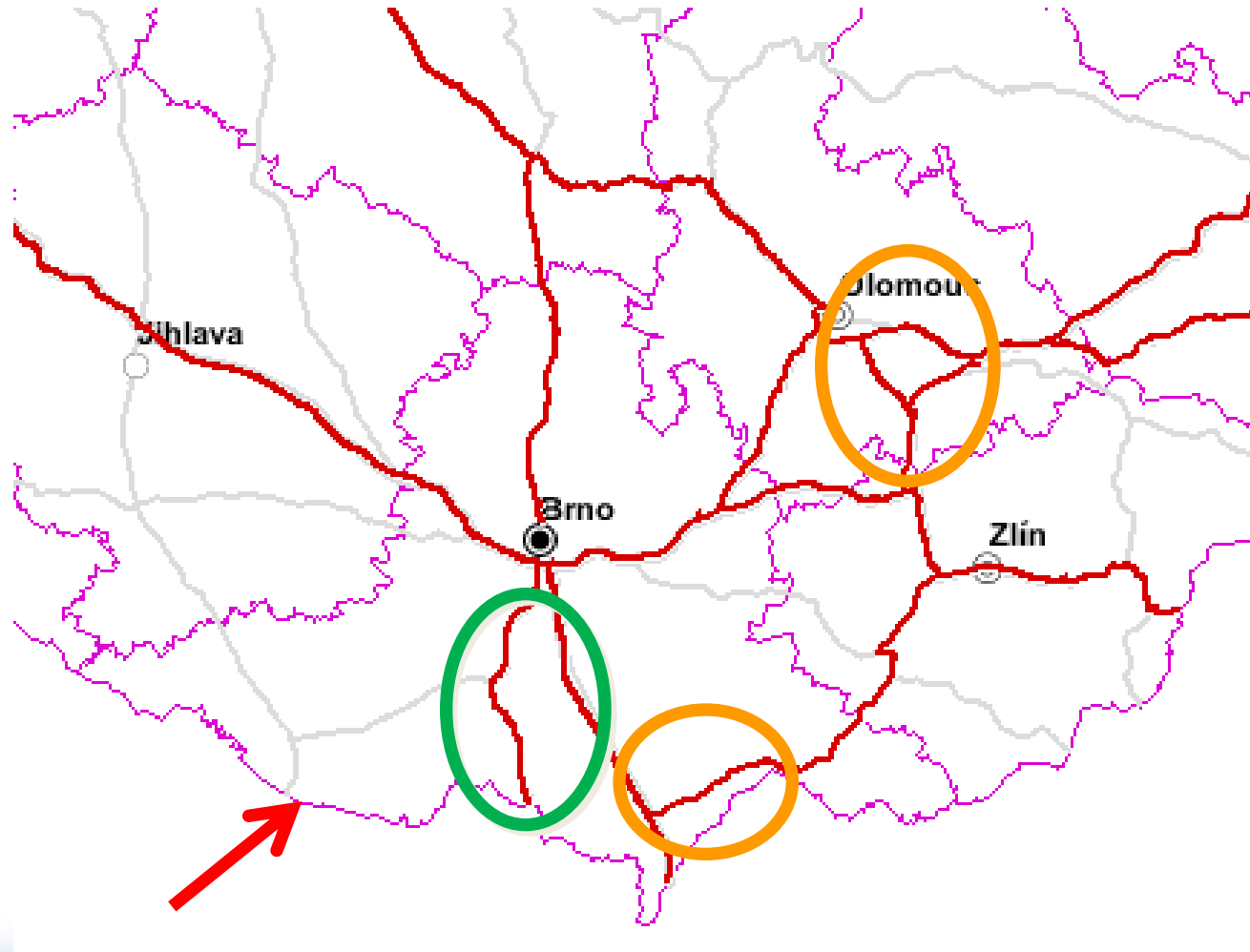




Rate of risk (accidents / mld. Veh.km)

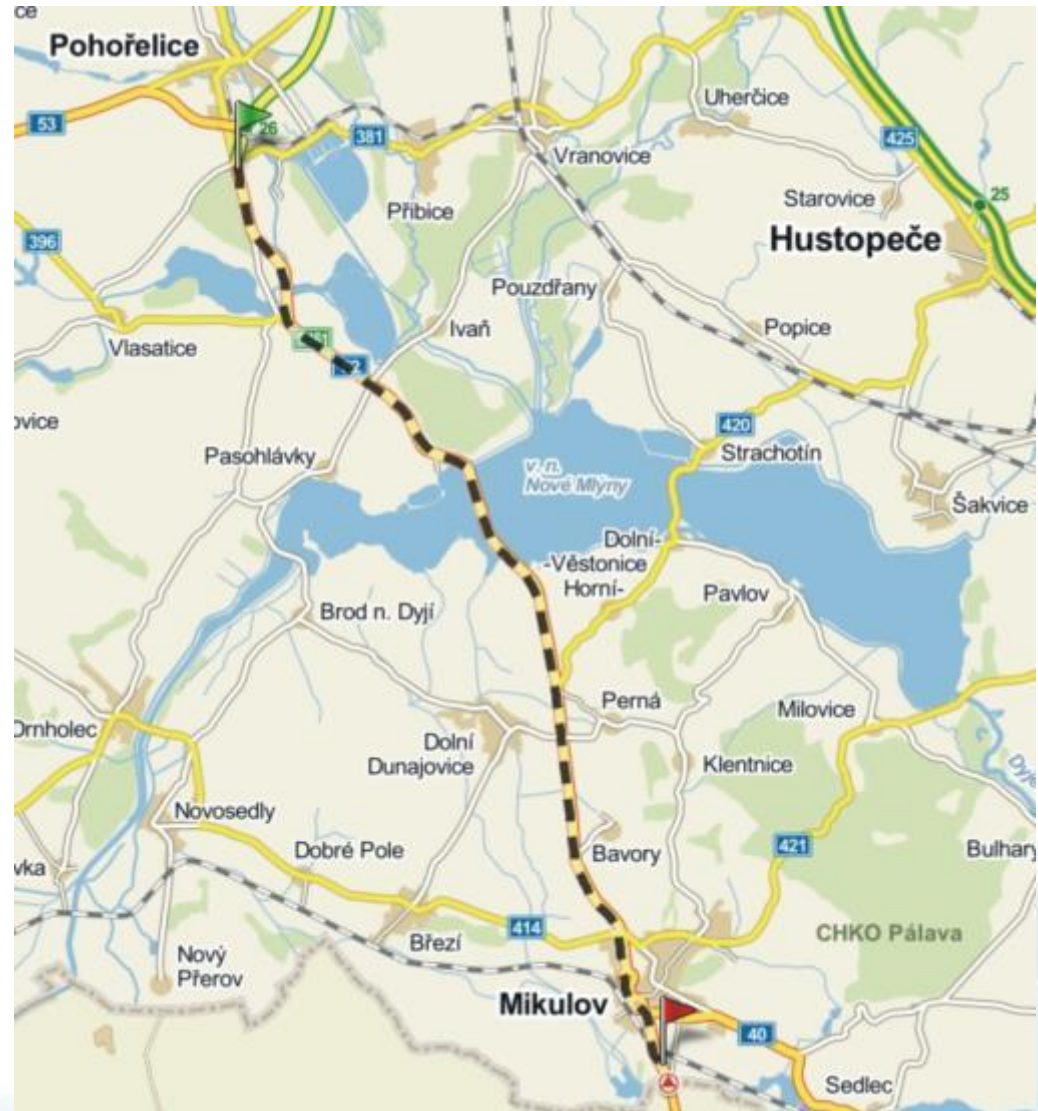
- Low risk roads
- Middle low risk roads
- Middle risk roads
- Middle high risk roads
- High risk roads
- Unrated roads
- Highways + motorways
- First class roads

- 3 dangerous sections of roads (according to EURORAP)
- 1 selected for further analysis
- Located in South Moravia region connecting Austria
- Transit section from north to south (Croatia, Italy)
- High speeds
- One level intersections
- Cycle crossings – tourist area, viniculture
- Wide and comfortable road for high speeds
- Vehicle count is much higher during the weekends and the start and end of vacations



Road I/52 – informations

- I. Class, TENT-T
- Section from Pohorelice to Mikulov
- Length 22 km
- Category: 2 lane road in rural/urban areas
- Speed limit 90/50 km/h
- Attractive region for tourists and also used as a transit road
- Approx. 9000 veh/day (year 2010) with 16% of heavy vehicles
- Summary of 32 accidents on whole section (2010-2012)



Road I/52 – rural area intersections



Road I/52 – urban areas



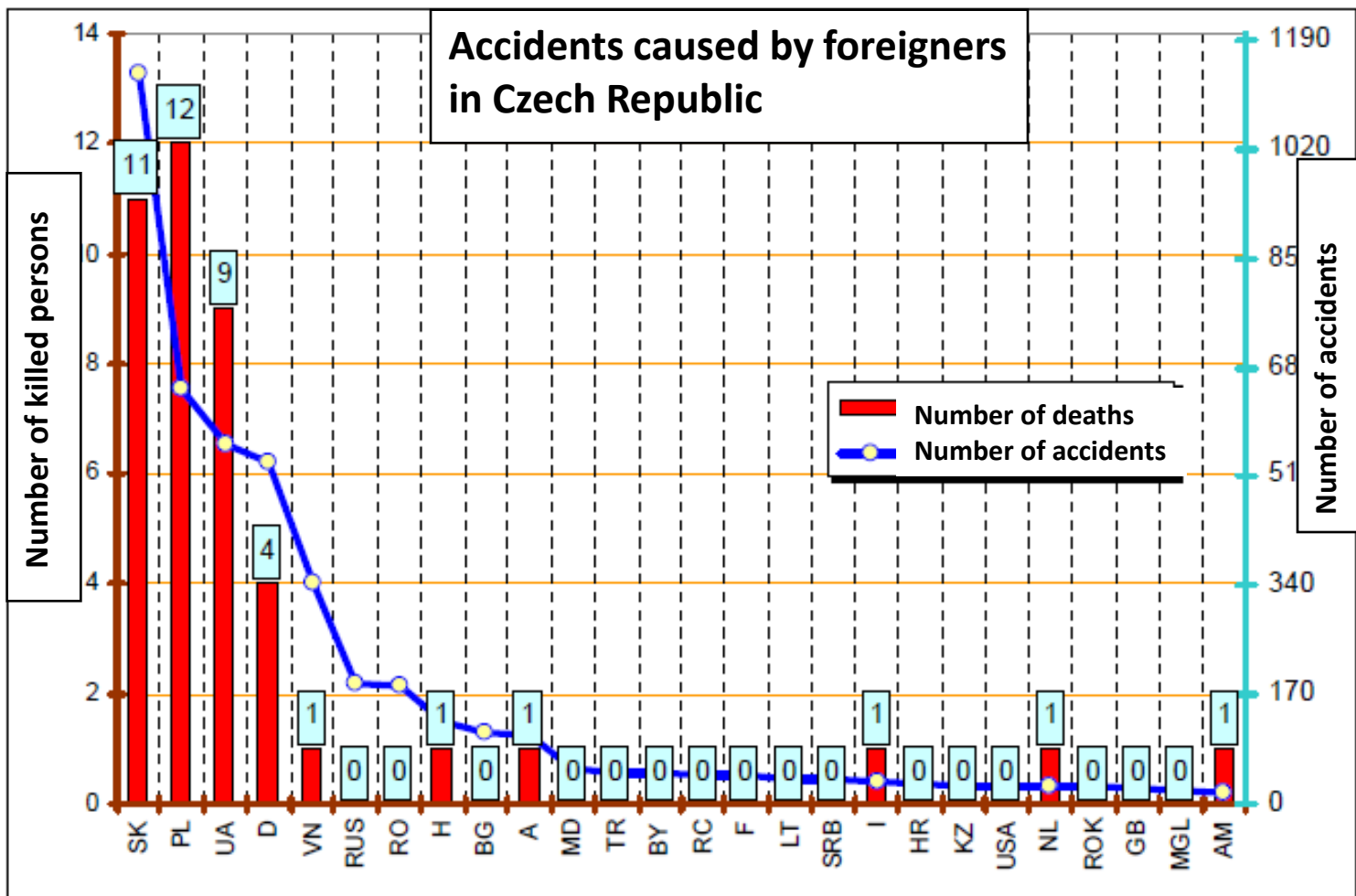
Road I/52 – accident analysis in Czech Republic

Accidents caused by foreigners in whole Czech Republic – data for year 2012

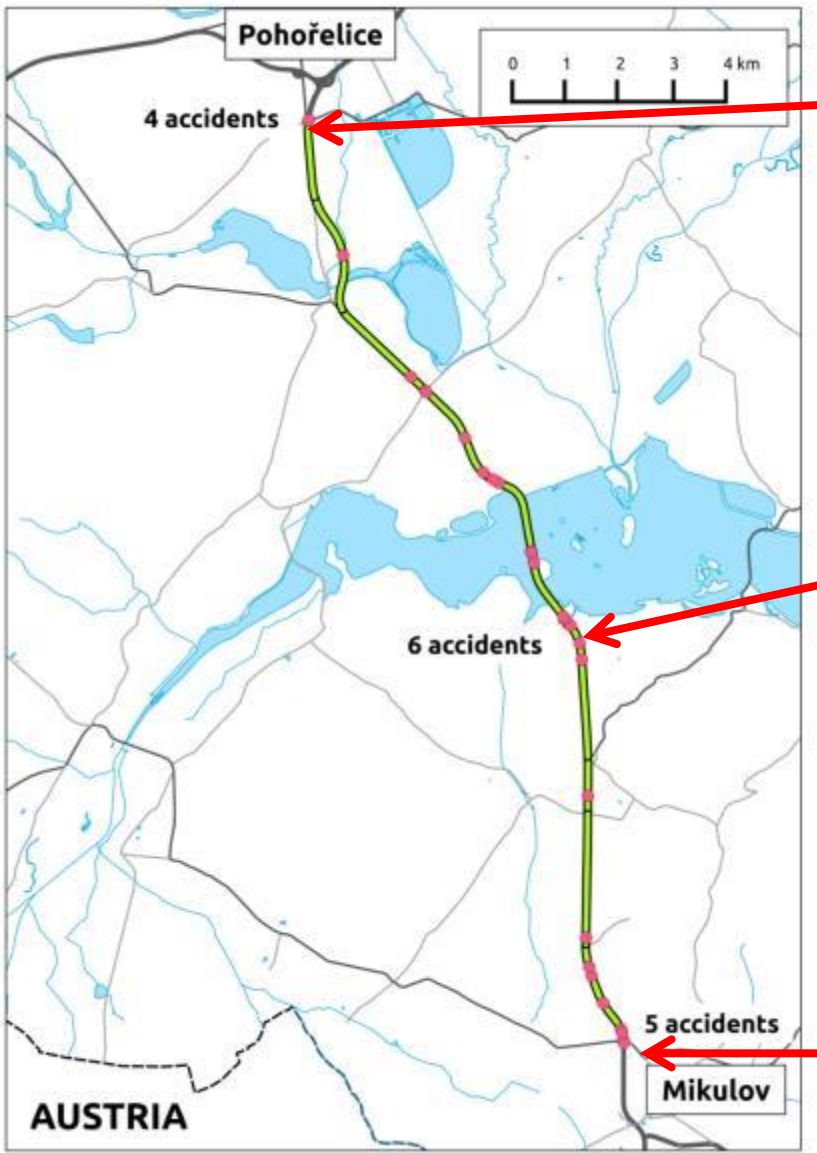
4850 accidents with involved foreigners (7 % of accidents in Czech Republic)

42 fatalities (7,3 %)

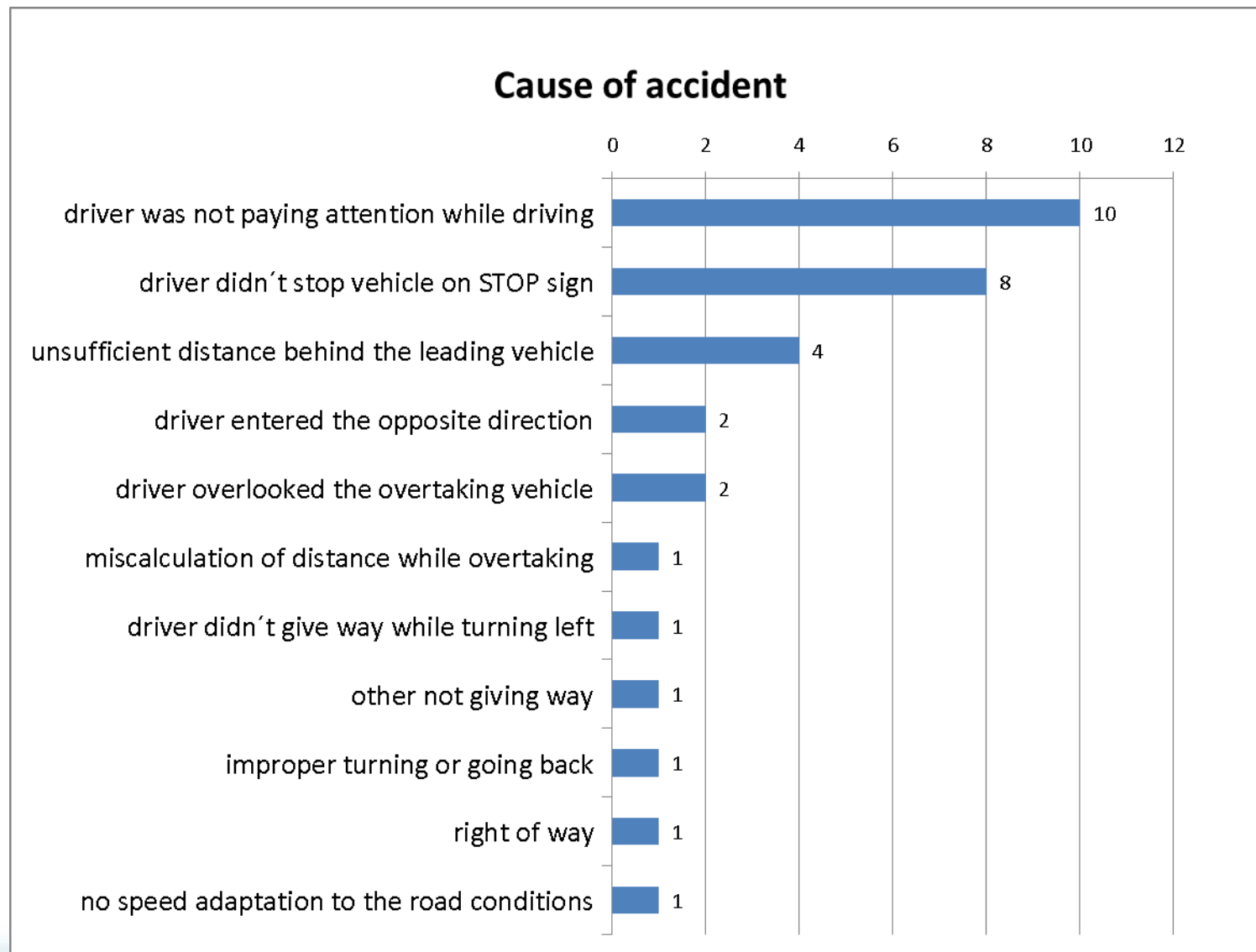
1302 people were injured – personal consequences



Road I/52 – accidents sites

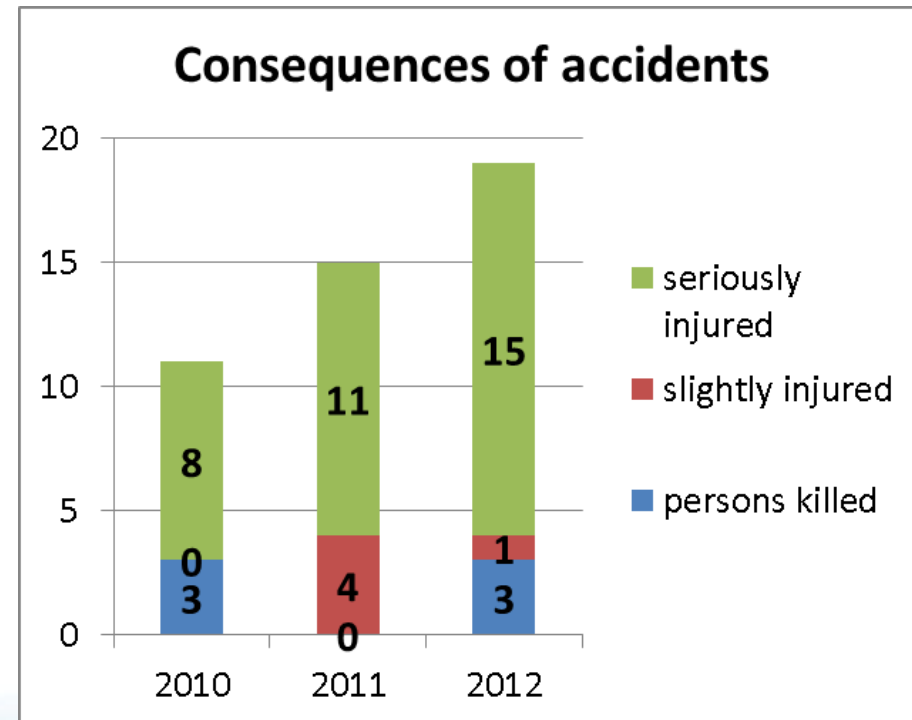
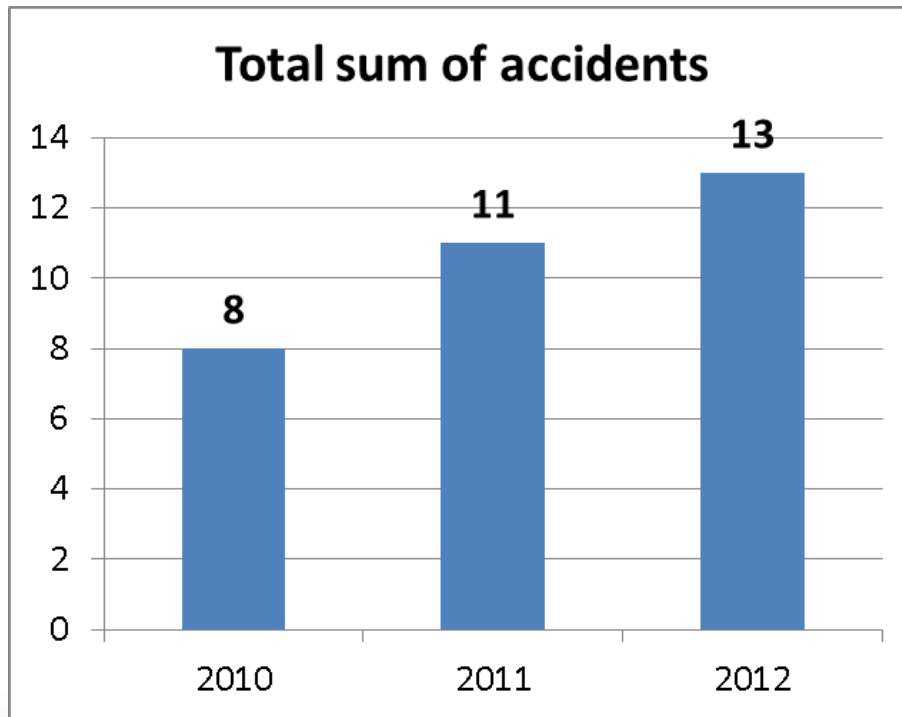


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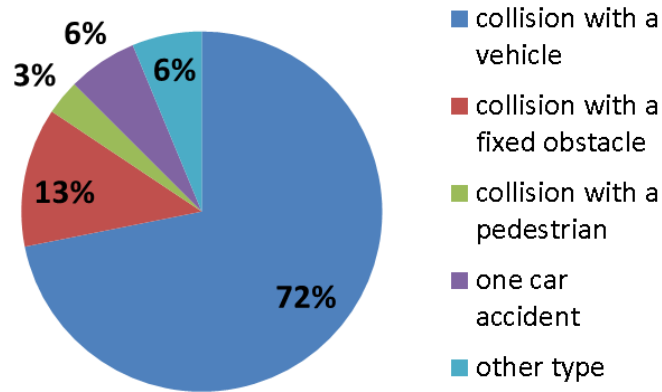


Road I/52 – accident analysis

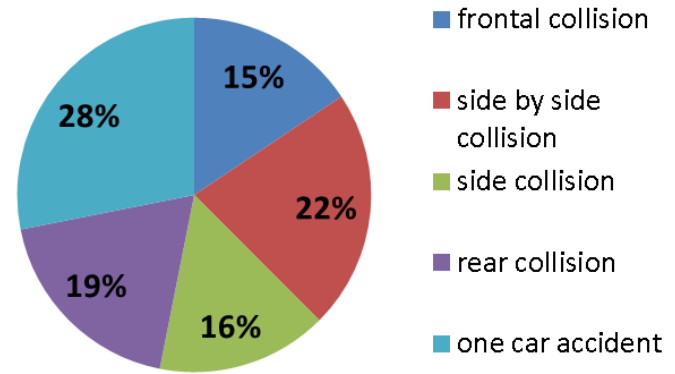
- Total sum of 32 accidents with personal consequences - between years 2010 and 2012
- Data of all accidents for this section of road I/52
- Rising number of accidents



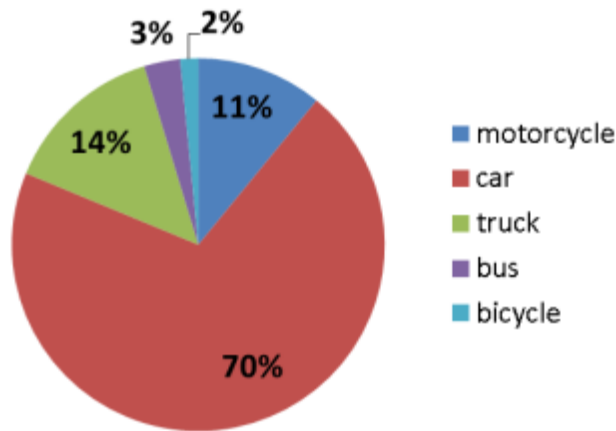
Type of accident



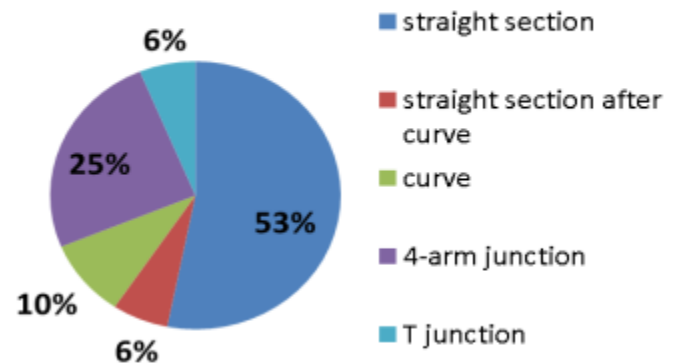
Type of collision



Vehicle involved in accidents

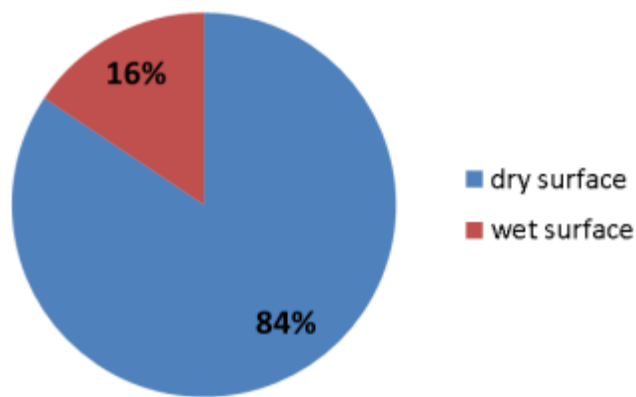


Directional conditions

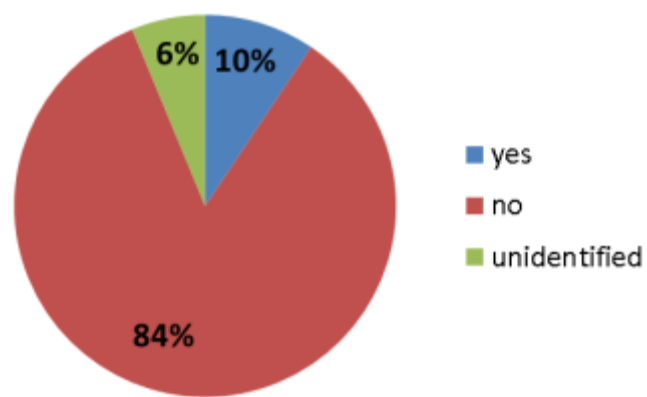


Road I/52 – accident analysis

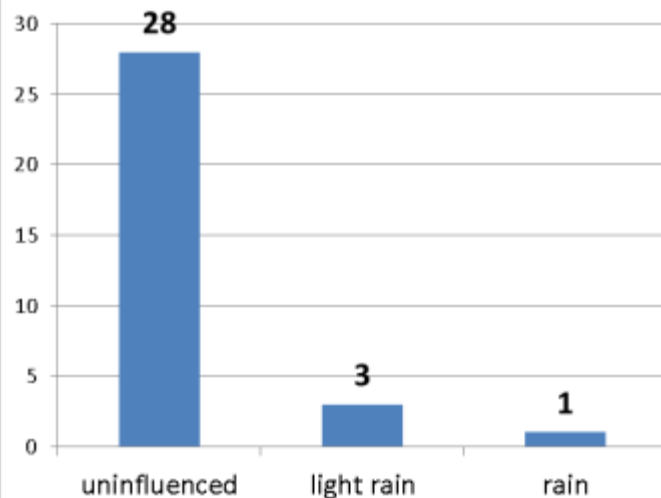
Road surface conditions



Presence of alcohol

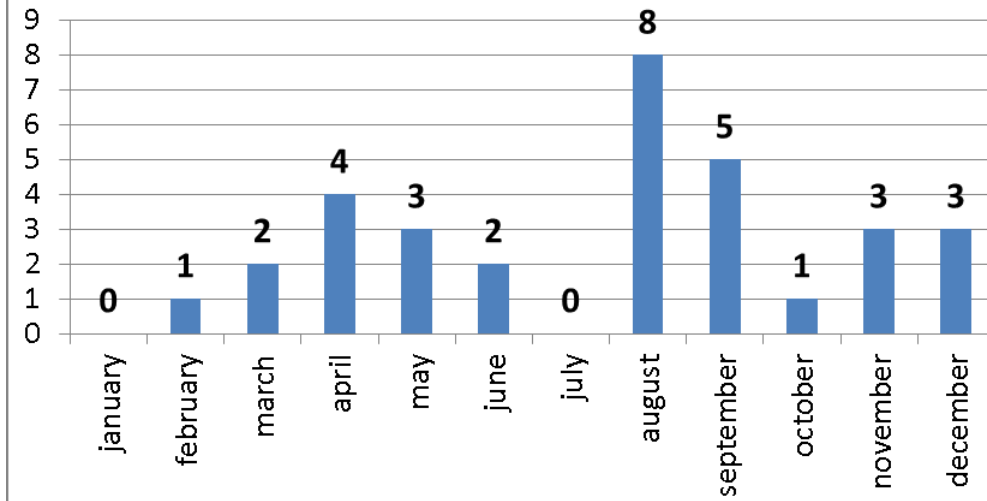


Weather conditions

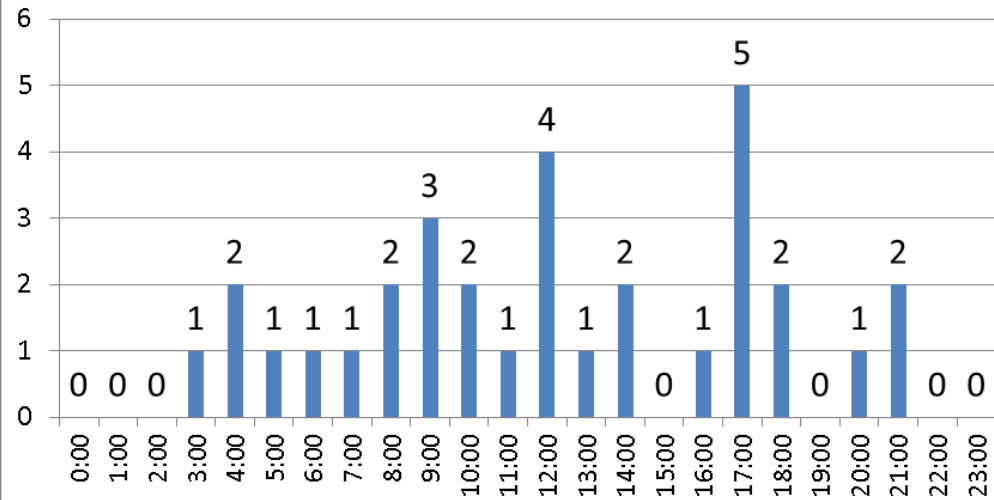


Road I/52 – accident analysis

Accidents during year



Accidents during day time



Thank you for your attention!

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