# Traffic Situation in Kosovo

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# Participants

**Table 1.** Descriptives of the participants

| Variables | N | % | Mean | SD | Min.-Max. |
|---|---|---|---|---|---|
| **Gender** | | | | | |
| Male | 159 | 71.9 | | | |
| Female | 62 | 28.1 | | | |
| **Age** | 221 | | 33.52 | 11.50 | 18-72 |
| **Type of residential** | | | | | |
| Urban | 176 | 79.6 | | | |
| Rural | 45 | 20.4 | | | |
| **Type of transportation** | | | | | |
| Car | 202 | 91.4 | | | |
| Light motorcycle/Moped | 9 | 4.1 | | | |
| Heavy motorcycle | 7 | 3.2 | | | |
| Bicycle | 35 | 15.8 | | | |
| Other | 16 | 7.2 | | | |
| **Number of people who reported accidents within last 3 years** | | | | | |
| Car | 69 | | | | 1-10 |
| Light motorcycle/Moped | 3 | | | | 1-1 |
| Heavy motorcycle | 1 | | | | 3-3 |
| Bicycle | 1 | | | | 1-1 |
| Pedestrian | 11 | | | | 1-10 |
| Passenger | 23 | | | | 1-10 |

# Mode of Transportation
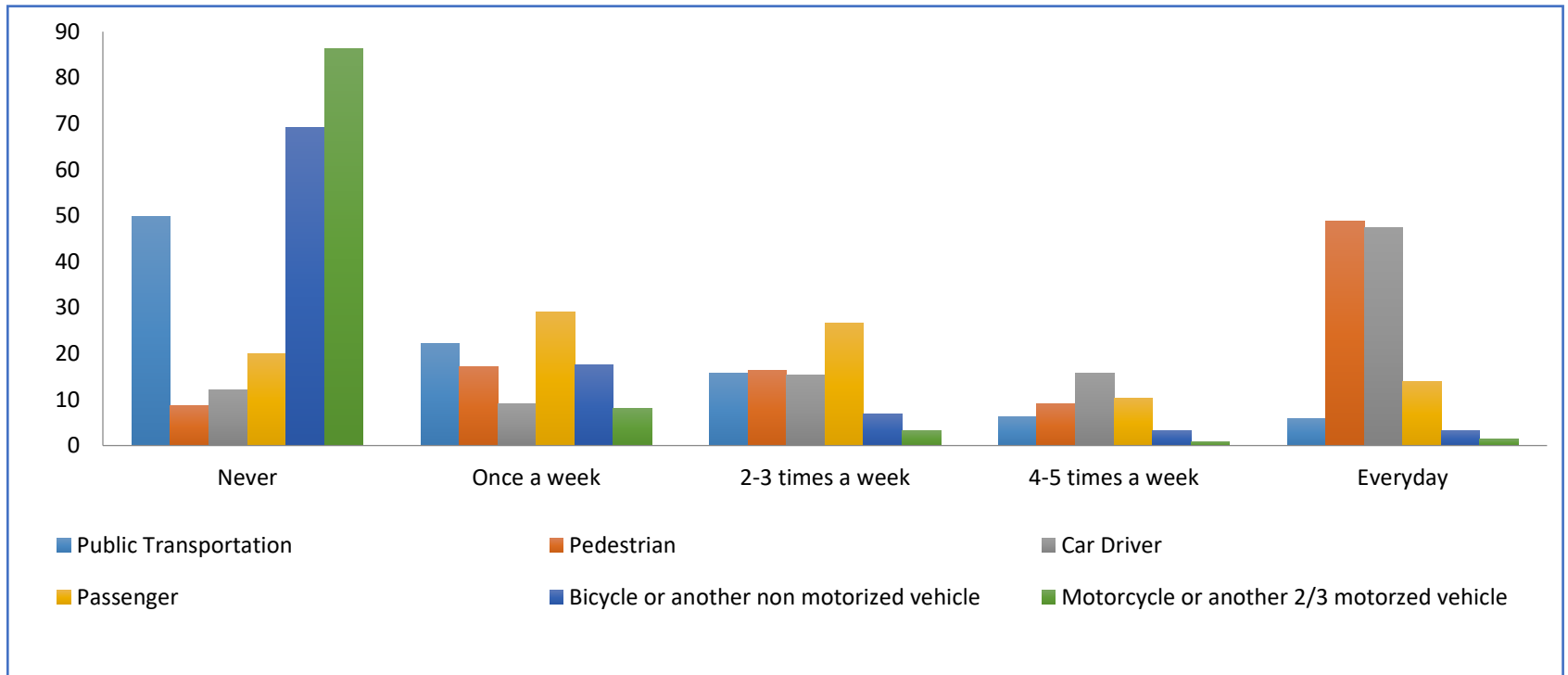


- Least used mode of transportation – Motorcycle or another 2/3 motorized vehicle
- Mostly used everyday mode of transportation – Pedestrian and car driver

# Aberrant Driver Behaviors

- Frequency of Aberrant Driver Behaviors
  - Measured with Driver Behavior Questionnaire
  - 28 items
  - Developed by Reason et al. (1990)

# Frequency of Aberrant Driver Behaviors

Most frequently done 3 were

- "Disregard the speed limit on a motorway"

- "Sound your horn to indicate your annoyance to another road user"

- "Underestimate the speed on an oncoming vehicle when overtaking

# Frequency of Aberrant Driver Behaviors

Least frequently done 3 behaviors

- "Attempt to overtake someone that you hadn't noticed to be signalising a left turn"
- "Cross a junction knowing that the traffic lights have already turned against you"
- "Race away from traffic lights with the intention of beating the driver next to you"

# Positive Driver Behaviors

- Frequency of Positive Driver Behaviors
  - Measured with extended DBQ
  - 14 items
  - Developed by Özkan and Lajunen (2005)

# Frequency of Positive Driver Behaviors

Most frequently done

- "Pay attention to puddle not to splash water on pedestrians or other road users"

Least frequently done

- "Try to use your high beams less frequently so you don't disturb the oncoming drivers"

# Acceptable and Unacceptable Driver Behaviors

- Participants rated 14 items
  - From 1 to 5
    - 1: Acceptable
    - 5: Unacceptable
- Rated all items for
  - Own evaluations
  - Others' thoughts

# Acceptable Driver Behaviors

## Most acceptable 3 driver behaviors:

**All drivers' perceptions**

- "Drive without wearing their seatbelt"

- "Drive 20 km per hour over the speed limit on a freeway/motorway"

- "Talk on hands-free cell phone while driving"

**Driver's own perceptions**

- "Drive 20 km per hour over the speed limit on a residential street",

- "Talk on a hands-free cell phone while driving"

- "Drive 20 km per hour over the speed limit on a freeway/motorway"

# **Unacceptable Driver Behaviors**

## Most unacceptable 3 driver behaviors:

All drivers' perceptions

- "Drive after using both drugs (other than medication)"

- "Drive 1 hour after using drugs (other than medication)"

- "Drive through a light that just turned red, when they could have stopped safely"

Driver's own perceptions

- "Drive after using both drugs (other than medication) and alcohol"

- "Drive through a light that just turned red, when they could have stopped safely"

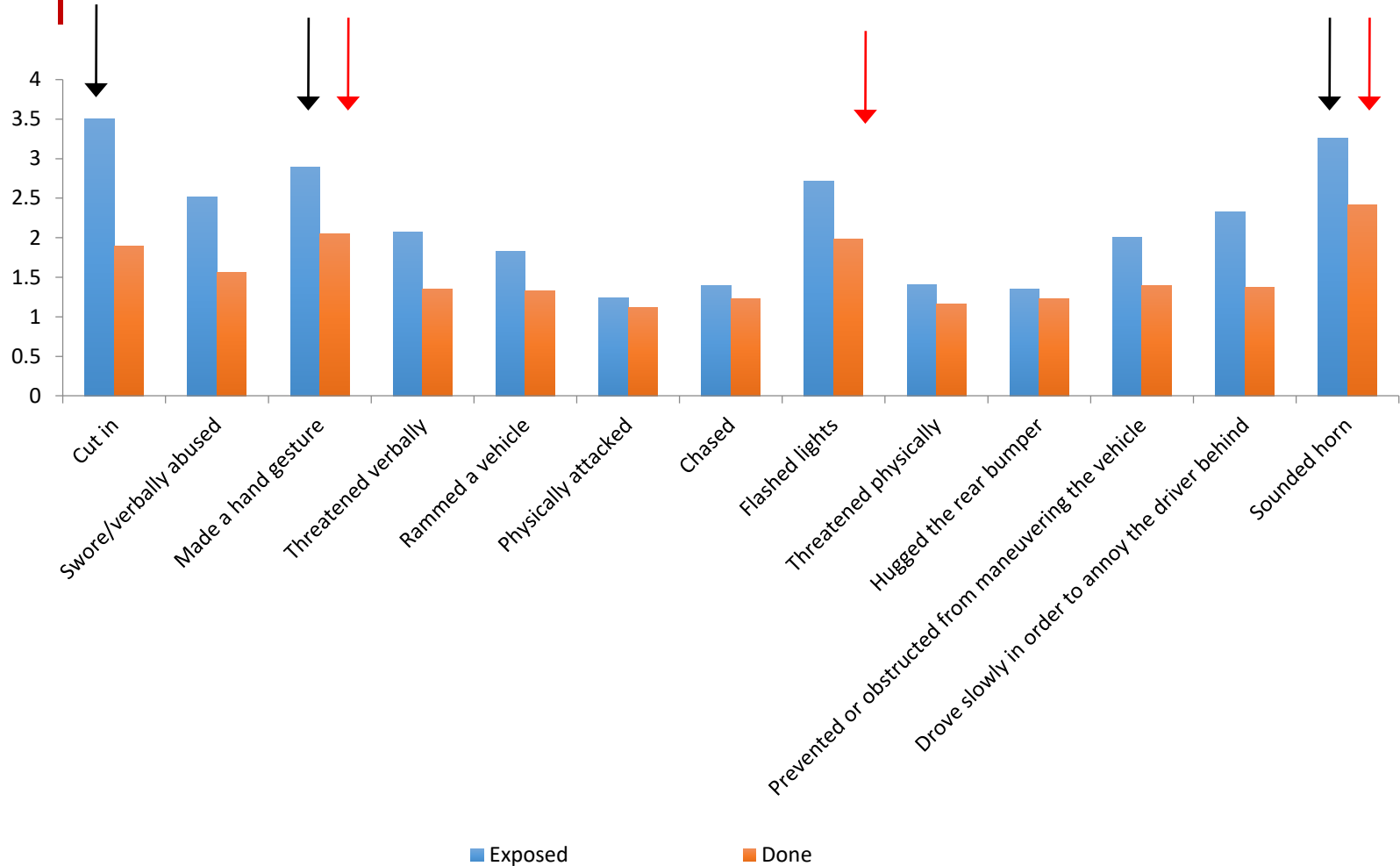- "Check or update social media (Facebook, Twitter etc.) while driving"

# **Exposed and Done Behaviors**

Participants rated 13 items

- How often another has driver done some behaviors to them

- How often they have done the same behaviors themselves

- From 1 to 5
  - 1: Never
  - 5: Often

# Exposed and Done Behaviors in Traffic Context

# Traffic Climate

- Traffic climate is road users' (e.g., drivers') attitudes and perceptions of the traffic in a context (e.g., country) at a given point in time (Özkan & Lajunen, unpublished)

- "function of a person being able to master a situation given its perceived properties and dynamic aspects as well as one's own capabilities" (Gehlert et al., 2014)

- Participants rated 44 adjectives/situations for the traffic context in Kosovo

- Rated from 1-6
  - 1 = Does not describe it at all
  - 6= Very much describes it

# Traffic Climate Perceptions

The most descriptive

- "Requiring you on the alert"
- "Requiring cautiousness"
- "Requiring experience"
- "Requiring skillfulness"
- "Requiring vigilance".

The least descriptive

- "Egalitarian"
- "Requiring quickness"
- "Planned"
- "Safe"
- "Free flowing"

# **Monitoring in Turkey**

- 2 major projects
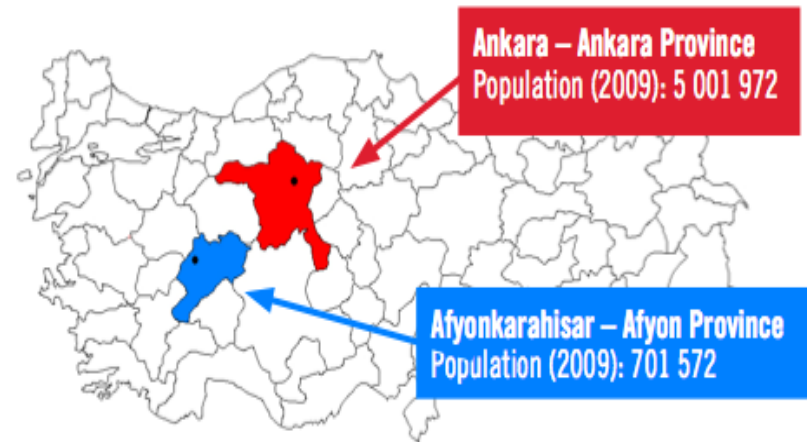  - RS10
  - Seatbelt project

# RS10

Interventions

- Social Media

- Enforcement

- Education

- Law Changes

Ankara – Ankara Province
Population (2009): 5 001 972

Afyonkarahisar – Afyon Province
Population (2009): 701 572

- Interviews and observations about seatbelt, childseat use, and speeding

# Results – RS10

- **Significant increase in seatbelt use**
  - Both in Afyon and Ankara
  - Strong enforcements > political will

- No significant decrease in speeding and no significant increase in childseat belt use
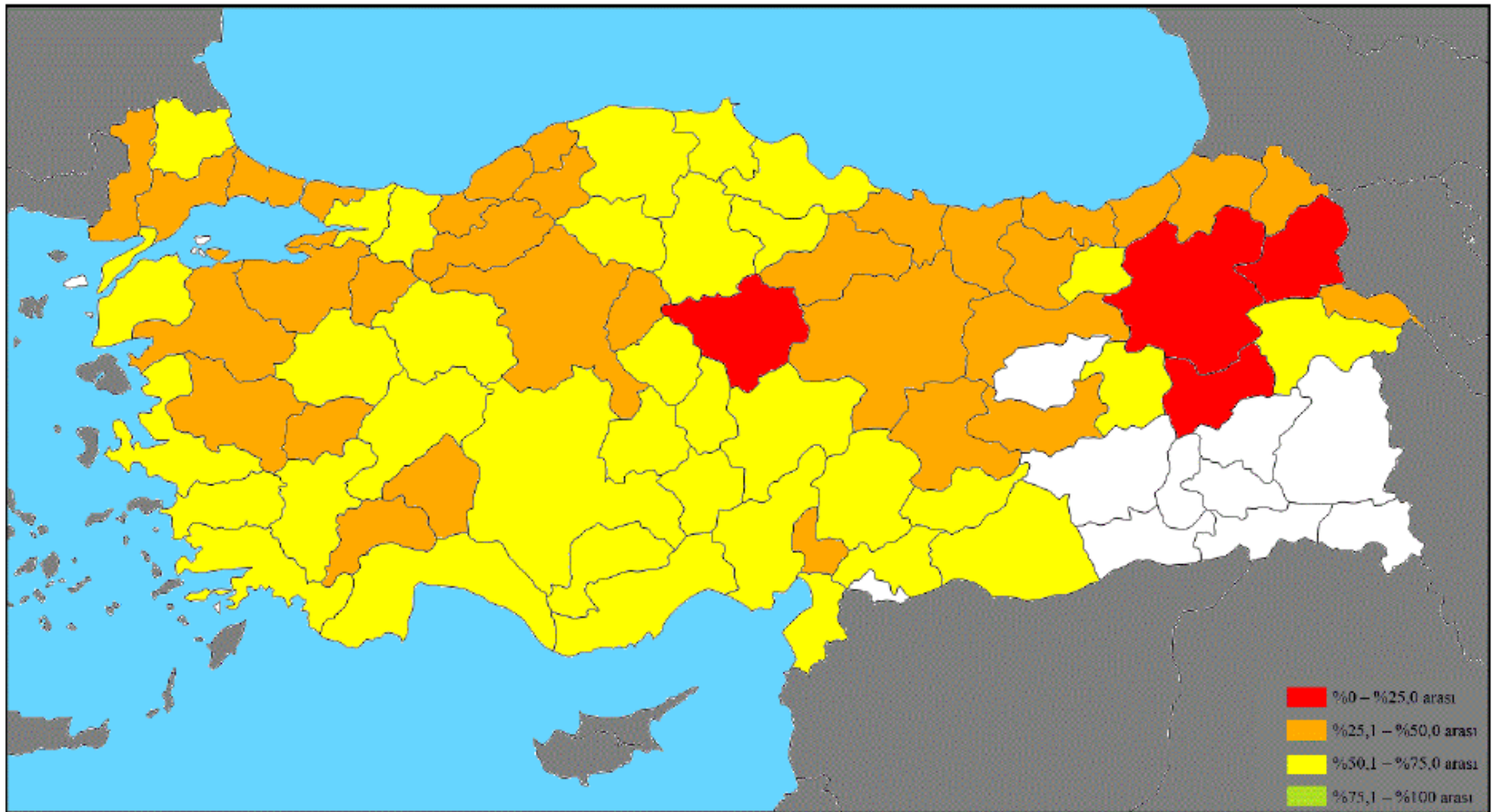  - Late interventions for speeding and childseat belt use during the poject

# **Seatbelt project**

- Security General Directorate and Safety Research Unit

- Traffic police conducted simultaneous observations in 81 cities in the same time
  - Seat belt use of drivers and front passengers

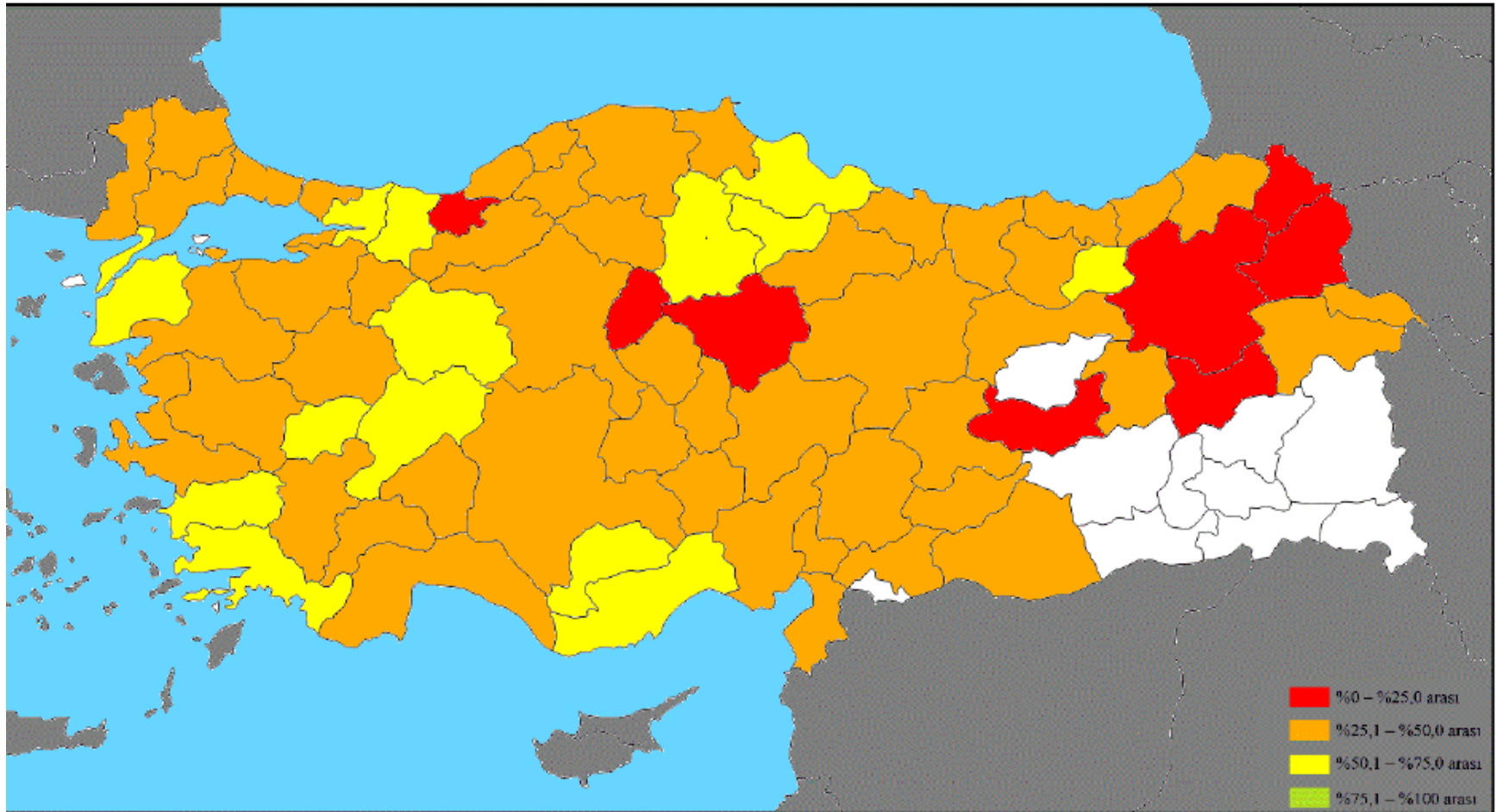- The project starting from 2014, yearly conducted

# Driver seatbelt use - 2016



Legend:
- %0 – %25,0 arası
- %25,1 – %50,0 arası
- %50,1 – %75,0 arası
- %75,1 – %100 arası

# Front passenger seatbelt - 2016



%0 – %25,0 arası
%25,1 – %50,0 arası
%50,1 – %75,0 arası
%75,1 – %100 arası

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# **Results**

- 2014
  - Drivers: 43.6%
  - Front passengers: 35.9%
- 2016
  - Drivers: 50.1%
  - Front passengers: 40.6%

- For more details, please visit:
  http://www.trafik.gov.tr/SiteAssets/Yayinlar/Kitaplar/Emni
  yet_Kemeri_2016.pdf

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# References

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