Speed & Crash data

Combining speed and crash data for safer city roads in The Hague

November 20, 2018
The Hague – The Netherlands

- 535,000 inhabitants (3rd city)
- 2.3 million agglomeration
- 6,500 people sq per km
- Most dense city in the Netherlands
- Seat of government, embassies & international institutions
- Beach city
- Modal split:
  - 35% car
  - 16% public transport
  - 19% cycling
  - 30% walking
Road Safety in The Hague

- 8 people killed on average
- 1,000 wounded on average
- Increasing trend in wounded people
- 85% accidents 50 km/u roads
- 30 km/u zones are safest (11%)
- 2/3 accidents on crossings
- High risk groups:
  - Adolescents
  - Elder people
  - Cyclists
  - Powerd 2 wheeler
More insight in speeding
Question to VIA

• On which roads do we see the highest risks?
• How can we best prioritize where measures & enforcement?
• Can we combine accident & speed data?
The risk of speed

- Speed Risk is a combination of the indicators
  - Limit overrun
  - Time share of limit overrun
  - Traffic volume
- Filter:
  - Speed without delay
The risk of an accident

- Accident risk is a combination of the indicators
  - Only material damage / km
  - Injured accidents / km
  - Fatal accidents / km
- Filter:
  - Accidents with motor vehicle
  - Accidents on road sections and junctions of roads with lower road function
Priority matrix: CROSS

- Crossing speed risk and accident risk
- Translate into a simple priority
Priority map & monitor
Discussion

• What is the best definition of 'speeding'?
  • Limit overrun
  • Time share of limit overrun
  • Number of cars that overrun
  • Combination

• Filter: on speed without delay?
Richard van der Ark
Program leader Traffic safety
City of The Hague
richard.vanderark@denhaag.nl

Erik Donkers
Director
VIA Traffic Solutions Software
erik.donkers@via.nl