

Surviving to a severe trauma following road traffic accident. What changes? Rhône Trauma Register 1996-2010.

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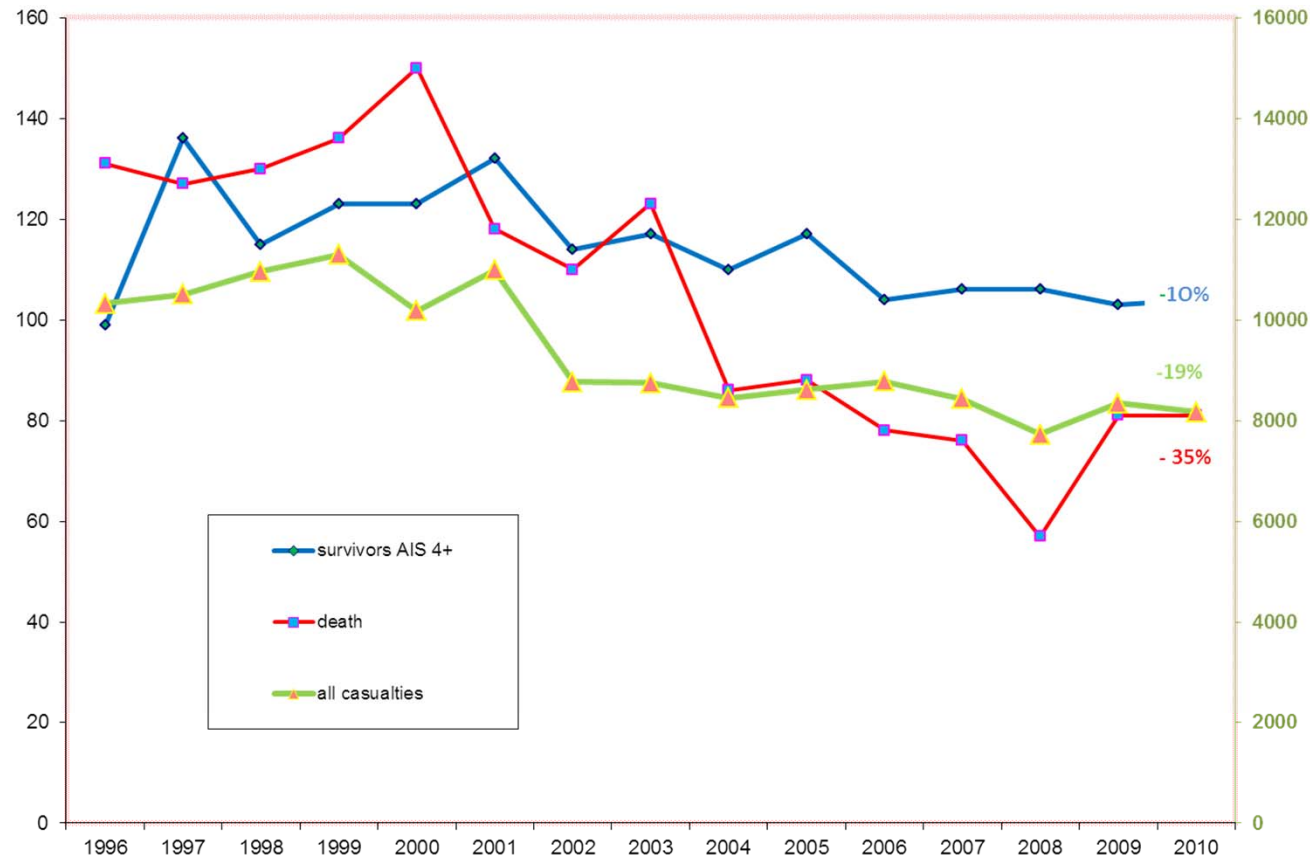
Context

- Reduction of road fatalities
- Less reduction among severely injured survivors:
 - Impacts in terms of hospital care
 - Impacts of disability
 - Impacts on economic costs

Material and method

- Data were provided by the Rhône Trauma Register
- Injuries are coded using the Abbreviated Injury Scale (AIS1990)
- Casualties selection : surviving AIS 4+ injury

Trends of number survivors and fatalities : Rhône trauma Register 1996-2010.



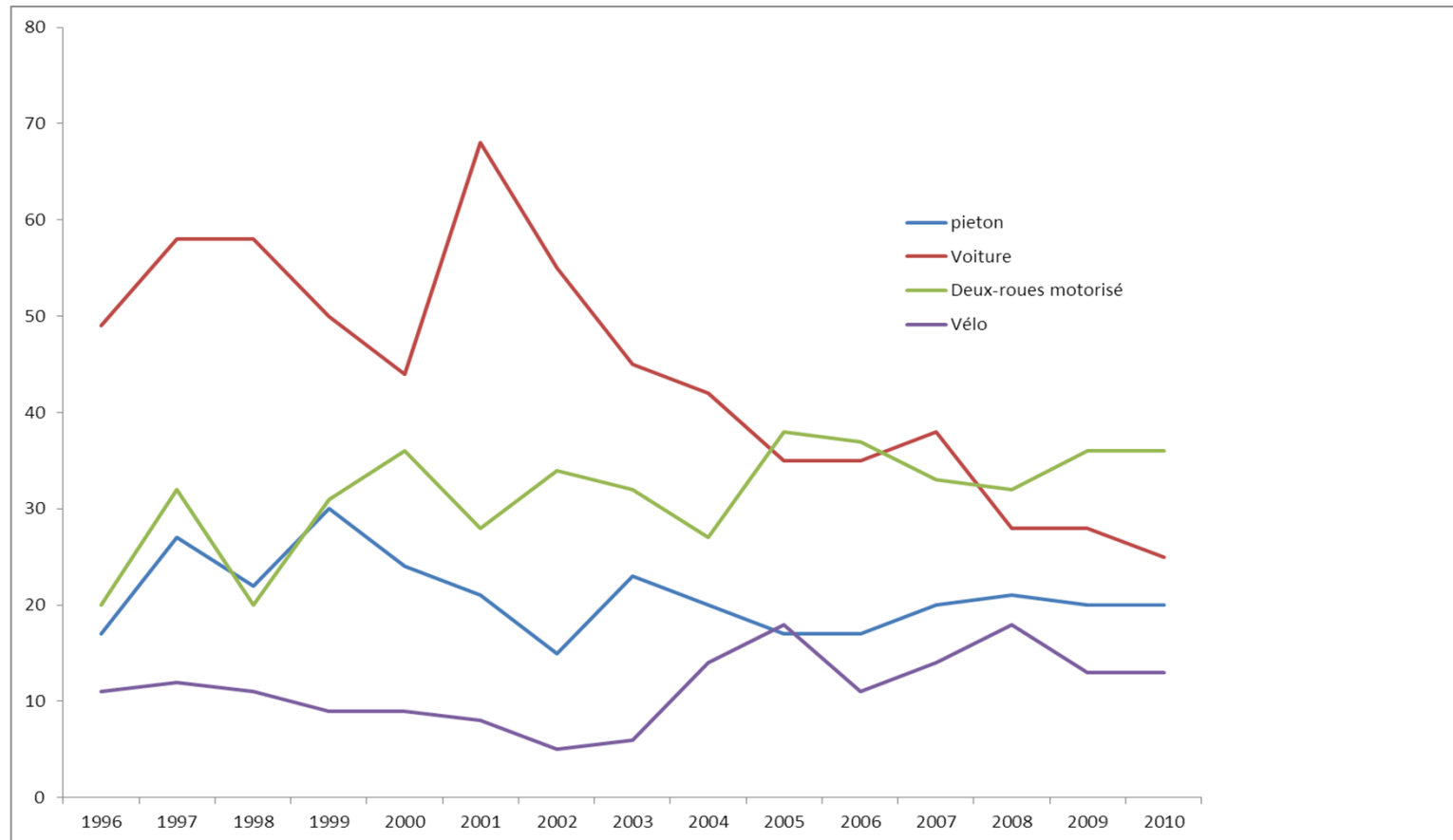
Characteristics of AIS4+ survivors

- We identify 1709 casualties who survived severe injuries
- The most affected age group: 20 - 24 years old
- Predominantly males : SR 3.3

The burden of road traffic accidents in a French Departement: the description of the injuries and recent changes.

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Survivors AIS 4+ for main types road users

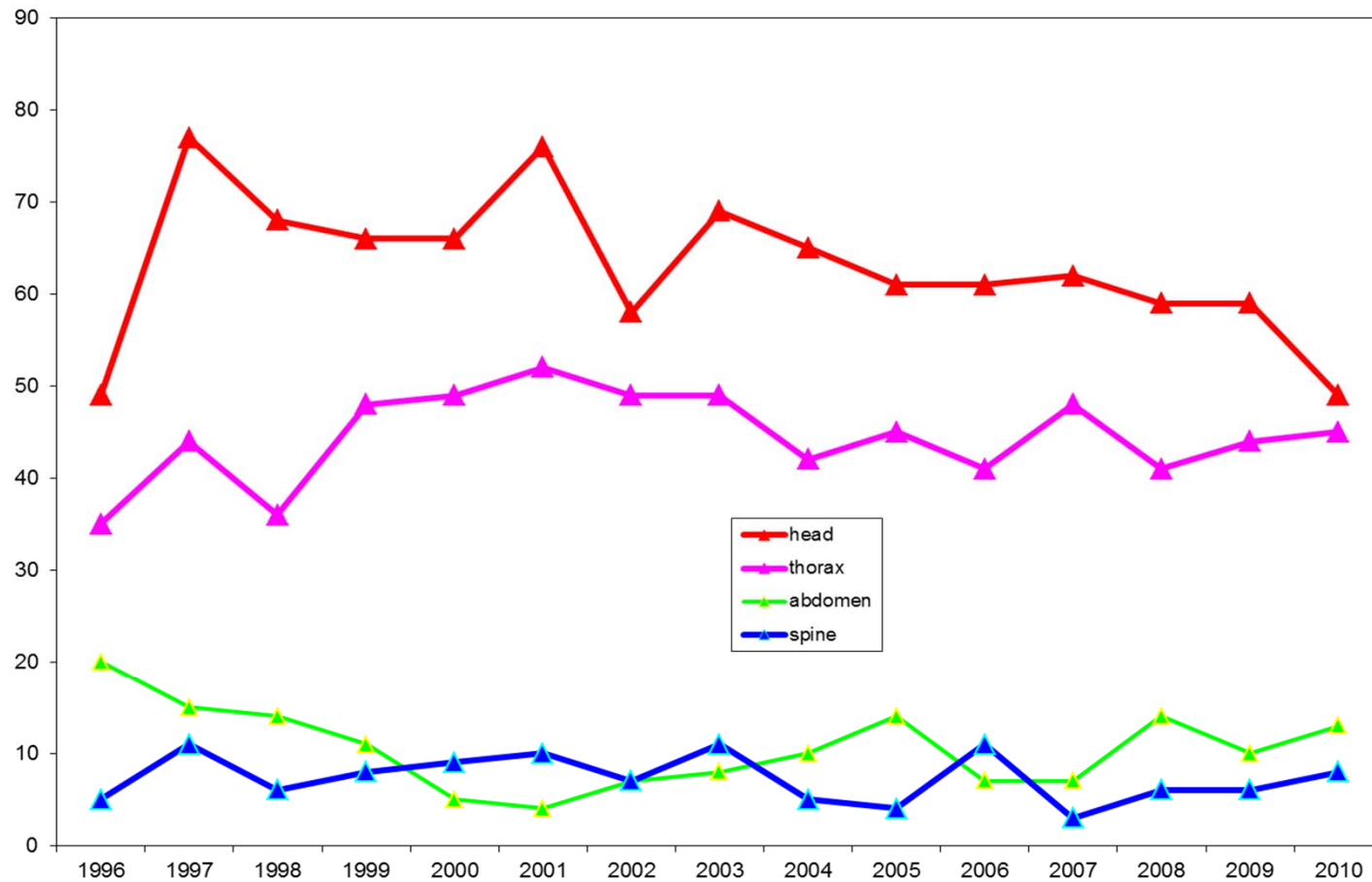


What has changed?

Since 2002 there have been a change in travel mode:

- With reduction in the number of motorists
- An increase in the number of powered two wheeler users
- An increase in the number of cyclists to a lesser extent

Evolution of the most affected body regions



The most frequent injuries

- Head (49%) : intracranial haematoma
- Thorax (35%): multiples rib fractures and hemopneumothorax
- Abdomen (8%): spleen laceration
- Spine (6%): SCI to the thoracic spine level
- Legs and pelvis (2%)

Conclusions

Continuous in hospital observation of road trauma provides a means of measuring the changes that have been taken place over time and identify health care issues.

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