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# Reliable statistics - A key for better road safety policy

*Telavi, Georgia, 15-16 February 2018*

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# Which road safety policies work?



*Look to the data!*

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*...not always so simple*



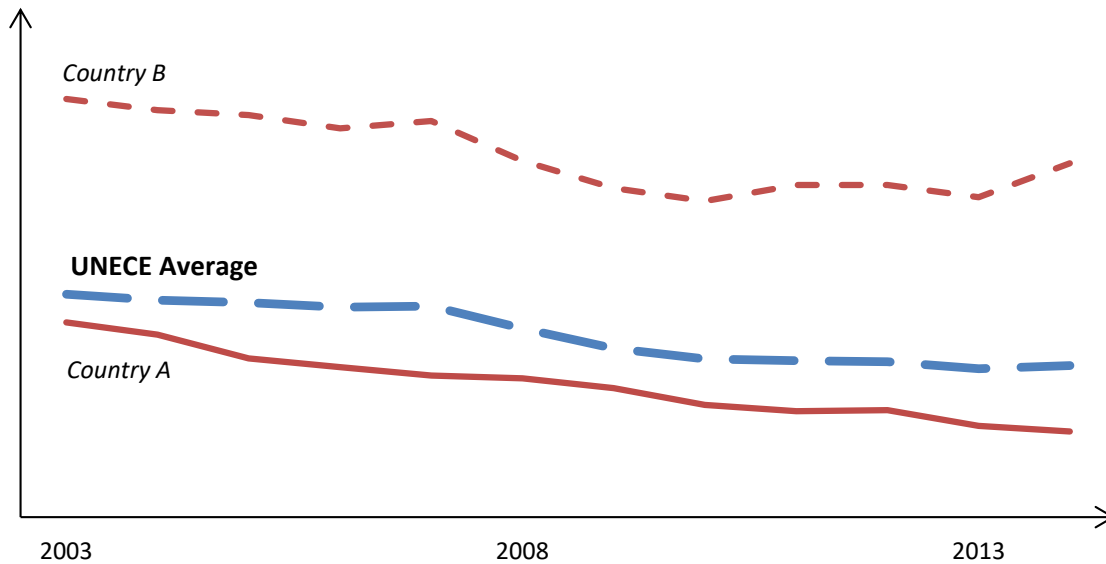
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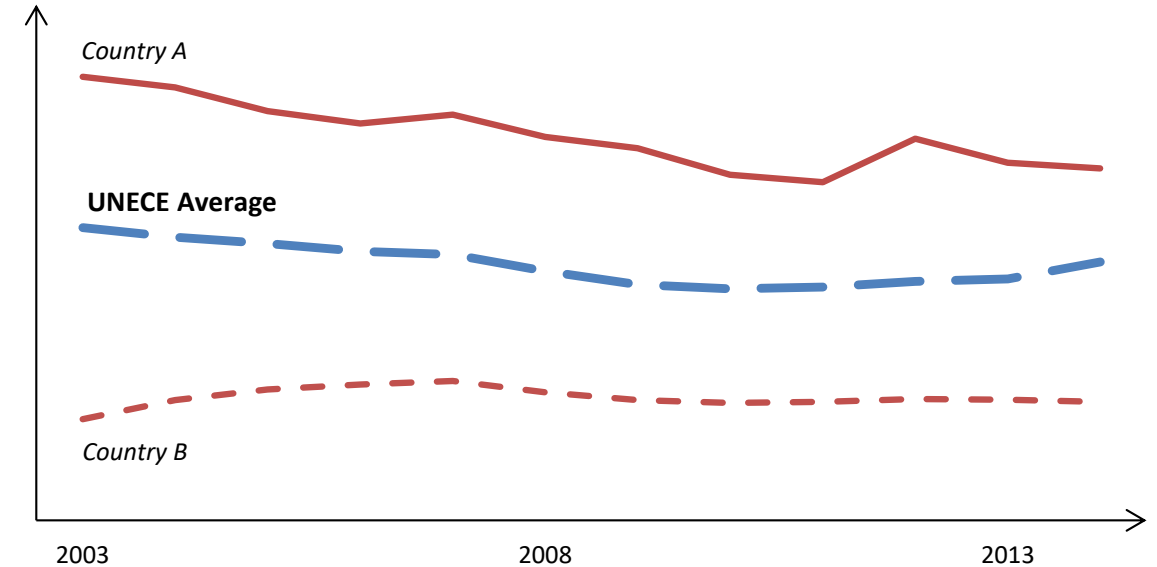


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### Road accident fatalities per million inhabitants



### Road accident injuries per million inhabitants



- Are road safety data from Countries A and B comparable?

- Higher accident severity in Country B? Differing definitions? Statistical capabilities?

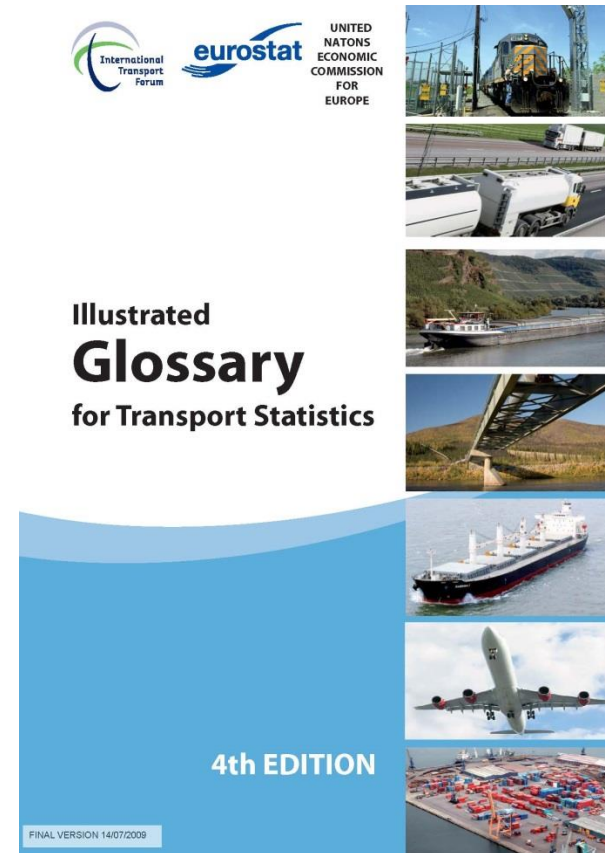




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## Harmonization is a work in progress

- Common definitions in Eurostat/ITF/UNECE *Glossary for Transport Statistics*
  - Fifth revision ongoing
- Challenges remain in reporting road accident injuries in some countries
  - Different standards in place for administrative data,
  - Practical or even political reasons for other differences in data collection



[www.unece.org/fileadmin/DAM/trans/main/wp6/pdfdocs/glossen4.pdf](http://www.unece.org/fileadmin/DAM/trans/main/wp6/pdfdocs/glossen4.pdf)

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## **B.VII-01 Injury accident**

Any accident involving at least one road vehicle in motion on a public road or private road to which the public has right of access, resulting in at least one injured or killed person.

- *A suicide or an attempted suicide is not an accident but an incident caused by a deliberate act to injure oneself fatally. However, if a suicide or an attempted suicide causes injury to another road user, then the incident is regarded as an injury accident.*
- *Included are: collisions between road vehicles; between road vehicles and pedestrians; between road vehicles and animals or fixed obstacles and with one road vehicle alone. Included are collisions between road and rail vehicles. Multi-vehicle collisions are counted as only one accident provided that any successive collisions happen within a very short time period. Injury accidents exclude accidents incurring only material damage.*
- *Excluded are terrorist acts.*





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## **B.VII-05 Person killed**

Any person killed immediately or dying within 30 days as a result of an injury accident, excluding suicides.

- *A killed person is excluded if the competent authority declares the cause of death to be suicide, i.e. a deliberate act to injure oneself resulting in death. For countries that do not apply the threshold of 30 days, conversion coefficients are estimated so that comparisons on the basis of the 30 day-definition can be made.*

## **B.VII-06 Person injured:**

Any person who as result of an injury accident was not killed immediately or not dying within 30 days, but sustained an injury, normally needing medical treatment, excluding attempted suicides.

- *Persons with lesser wounds, such as minor cuts and bruises are not normally recorded as injured.*
- *An injured person is excluded if the competent authority declares the cause of the injury to be attempted suicide by that person, i.e. a deliberate act to injure oneself resulting in injury, but not in death.*

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## **Georgia Road Safety Performance Review**

- Statistical data on road accidents is collected by the Ministry of Internal Affairs
  - Published every 6 months / additional information available upon request
  - Collected by police departments
- Collection, processing and analysis can be improved
  - Improve coordination between police and health care facilities on patient's condition
  - Definition for fatality data not harmonized with 30 day international definition
    - Data are likely underreported as a result
  - Collect more detailed traffic accident data
    - Develop Common Accident Data to harmonize data collection for each road traffic accident
  - Centralized database of road accidents needed
    - Coordination between all road safety stakeholders eliminates discrepancies, improves data quality







## **Albania Road Safety Performance Review**

- Statistical data on road accidents collected by state traffic police departments at scene of accident
  - Collaboration between State Police and Ministry of Infrastructure
  - Disseminated by Albanian Institute of Statistics / Yearly report on Ministry of Energy and Infrastructure's website
- Collection, processing and analysis can be improved
  - Coordination with Ministry of Health can be improved - computerized medical information system not common
  - Traffic Police responsible for all information on accident injuries - includes follow-up in case of death within 30 days
  - More detailed information required
    - Seat belt use, helmet use – not known in many cases





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- **Ongoing updates**

- UNECE Statistical Database - [w3.unece.org/PXWeb/en](http://w3.unece.org/PXWeb/en)

Use our new Android mobile app to get statistics both in English and Russian

Rankings Profiles Charts Maps PDF

**GDP in millions of USD adjusted by purchasing power parities, year 2015**

United States: 19 036 600.0 (mil. of USD)

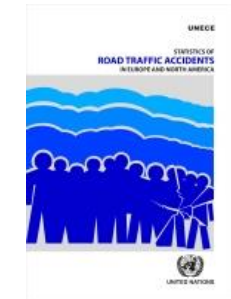
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Previous Next

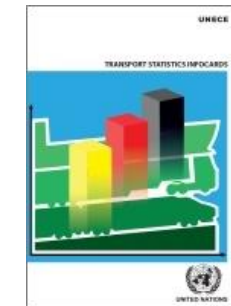
- Country Overviews**  
UNECE Member Countries in Figures
- Population and Gender**  
Country Profiles  
Work-life balance  
Migration  
Population  
Fertility, families and households  
Work and economy  
Education  
Public life and decision making  
Health and mortality  
Crime and violence  
Science and ICT
- Economy**  
Overview Tables  
National Accounts  
Labour Force & Wages  
Price Indices  
Industrial Production  
External Economic Relations  
Globalization Indicators
- Millennium Development Goals**  
Poverty, Employment and Hunger (MDG 1)  
Education Enrolment, Completion & Literacy (MDG 2)  
Gender in Education, Employment & Politics (MDG 3)  
Child Mortality and Immunization (MDG 4)  
Maternal and Reproductive Health (MDG 5)  
HIV/AIDS, Malaria and Tuberculosis (MDG 6)  
Environment, Water & Sanitation (MDG 7)
- Transport**  
Road Traffic Accidents  
Railway Employment  
Road Traffic  
Road Vehicle Fleet  
Railway Traffic  
Railway Vehicles  
Inland Waterway Traffic  
Inland Waterway Vessels  
Oil Pipeline Transport
- Forestry (FOREST EUROPE/UNECE/FAO)**  
Overview Tables  
Forest Resources  
Forest Health and Vitality  
Productive Functions  
Biological Diversity  
Protective Functions  
Socio-Economic Functions

- **Periodic Updates**

- **Statistics of Road Traffic Accidents in Europe and North America**



- **Transport Statistics Infocards**

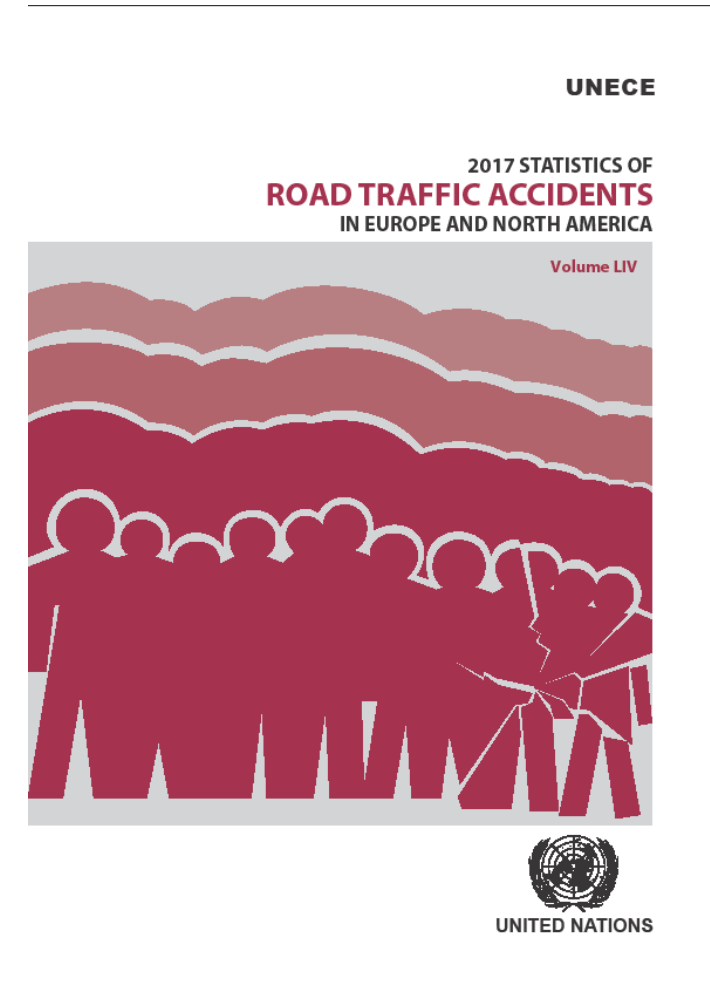


# *Statistics of Road Traffic Accidents in Europe and North America*



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- **Based on data as available on website**
  - Questionnaires sent to countries in advance of publication
  - Most recent three years of data, with summary tables for ten years
- **Published every two years (2013, 2015, 2017...)**
  - English, French, Russian versions
- **Topics**
  - Accidents, injuries and fatalities
    - by location, time of occurrence, road condition, nature of accident, category of user, age group
    - gender breakdown added to 2017 publication
  - Background statistics on road vehicle fleet, road vehicle-kms and population by age group
  - Further discussion on expanding published and collected data

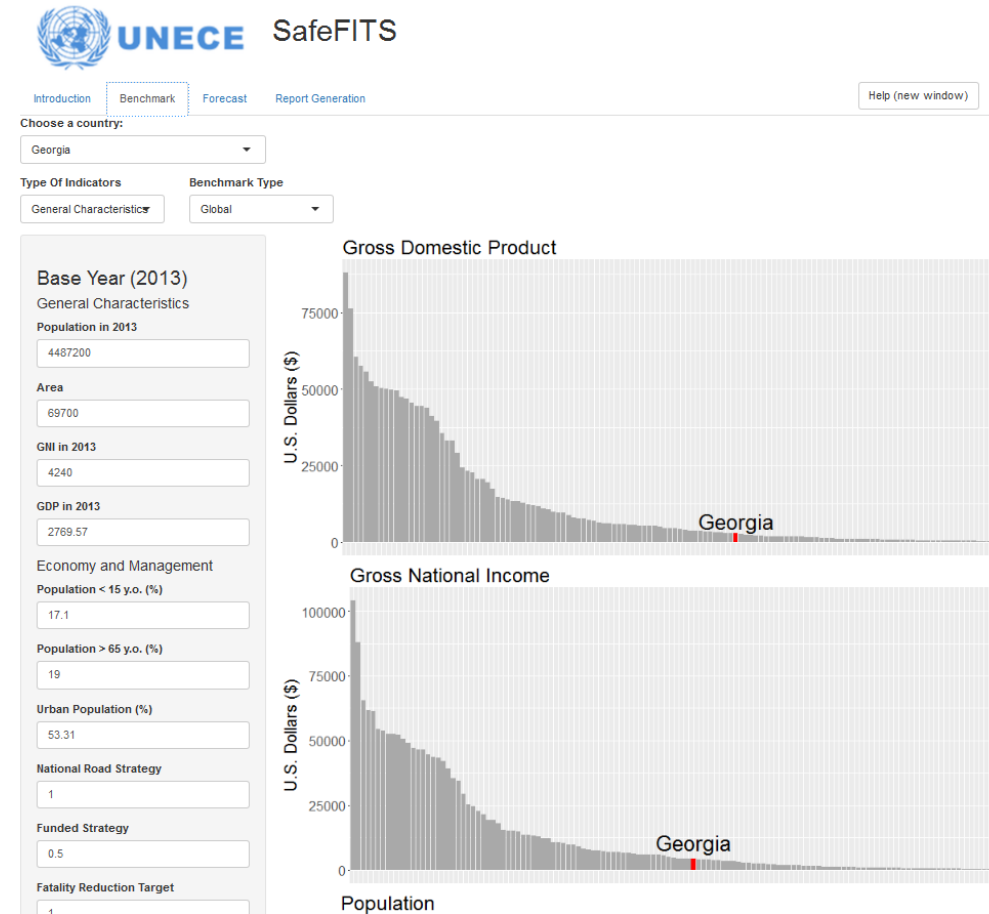


# Safe Future Inland Transport Systems (SafeFITS)



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- **Road safety decision making tool**
  - Aim to assist governments and decision makers
  - Database on road safety indicators (i.e. fatalities and injuries, performance indicators, road safety measures, economy and background) for all countries worldwide
  - Statistical model of global causalities allowing “intervention”, “forecasting” and “benchmarking” analyses
- **Current Status**
  - Model finalized (after June 2017 peer review)
  - Final version of web application will be presented at Inland Transport Committee (ITC) February 2018
  - **Pilot studies to be conducted in Albania and Georgia**





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**Suggestions?**

**Comments?**

**Contact UNECE**

*[stat.trans@unece.org](mailto:stat.trans@unece.org)*

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**SAFE, CLEAN, SECURE AND EFFICIENT MOBILITY FOR PEOPLE AND FREIGHT**

- Inclusive International Legal Architecture
- Effective Public Administration
- International Cooperation
- Innovative Financing
- New Technologies
- Social Responsibility

*enablers*

*objectives*

- Seamless B / C
- Facilitated international transport
- Reduced GHG emissions
- Reduced air / noise pollution
- Increased P.T. Mobility Choices
- Zero traffic fatalities and injuries
- Efficient transport services
- Enjoyable walking and cycling

*The future  
Inland Transport  
WE WANT!*

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