



NTUA Road Safety Update - September 2011



National Technical University of Athens
Road Safety Update

September 2011

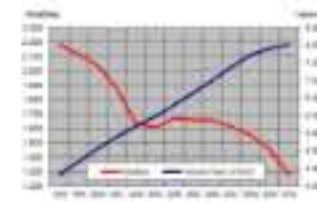
ETSC PIN Report 2011 - Greece ranked 27th



In June 2011, ETSC published the PIN Annual Report. During the period 2001-2010 a decrease of road fatalities of 43% was observed in the 27 EU countries, whereas the respective reduction in Greece was 37%. For the first time, Greece is ranked 27th, with 123 persons killed per million population (EU average 62). The European target of 50% road fatalities reduction in comparison to 2011 was achieved by eight countries.

[LINK](#)

Basic road safety figures, Greece 1998 - 2010



According to ELSTAT data, during the last decade, road fatalities in Greece have decreased by 37%, whereas serious injuries decreased by 58%. The rate fatalities per number of vehicles has decreased the same period by 60%. This rate is still high in comparison to the other EU countries, explained also by the high increase of the vehicle fleet in Greece during the same period. Increase in Police enforcement was found correlated to the road fatalities decrease.

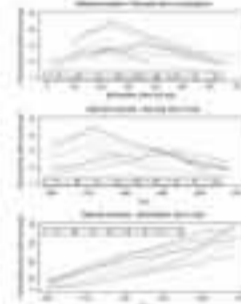
Main road safety figures - EU facts & figures 2010



The detailed main road safety figures of the EU are highlighted at the Traffic Safety Basic Facts 2010, recently released at the European Road Safety Observatory of the European Commission as prepared by the DACOTA project. The Netherlands, United Kingdom and Sweden are the best performing EU countries, as far as fatalities per population is concerned, whereas Greece, Romania and Poland are those with the lowest performance.

[LINK](#)

When may road fatalities start to decrease?



A research titled 'When may road fatalities start to decrease?' was published in the Journal of Safety Research in February 2011. This research, carried out within the framework of SafetyNet project proposed a simple and, at the same time, reliable multiple regime model framework for international road safety comparisons, allowing for the identification of slope changes of personal risk curves and respective breakpoints. All countries examined, present a breakpoint after which road fatalities are decreasing, ranging from 220 to 360 vehicles per 1.000 inhabitants.

[DOI](#)

Access management conference in Athens



The 1st International Conference on Access Management took place in Athens in June 2011 and was organised by the Hellenic Association of Rural and Surveying Engineers, the TRB, the Technical Chamber of Greece and the NTUA School of Rural and Surveying Engineering. Presentations included: 'Effectiveness of road safety measures at junctions' and 'A critical assesment of intersection safety across Europe'.

[LINK](#)

Severity of single vehicle accidents



A Diploma Thesis titled 'Severity of single vehicle accidents' was presented by Georgios Pispirigkos in July 2011. Lognormal regression models were developed, which allowed the identification of the effect of various parameters (accident type, weather conditions, lighting conditions, etc.) on the number of killed, seriously and slightly injured for each vehicle type separately. Accidents in which two or more vehicles are involved were found more severe and severity was found higher at accidents involving pedestrians and passenger cars.

This Road Safety Update aims to support frequently the Greek and the International Road Safety Community with current key road safety knowledge and data, which is gathered, analysed and organised within the research activities of the Department of Transportation Planning and Engineering of the National Technical University of Athens.

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About NRSO



The mission of the NTUA Road Safety Observatory (www.nrso.ntua.gr) is to support the Greek and the International Road Safety Community with current key road safety knowledge and data, which are gathered, analysed and organised within the research activities of the Department of Transportation Planning and Engineering of the School of Civil Engineering of the National Technical University of Athens, as well as within co-operations with various national and international road safety organisations.

The NTUA Road Safety Observatory has been developed within the framework of two European Union co-funded research projects, namely SAFETYNET - Development of the European Road Safety Observatory (2004-2009) and DACOTA - Road Safety Data Collection, Transfer and Analysis (2010-2012), with Scientific Responsible for NTUA, Professor George Yannis.