A comprehensive approach for road safety - The example of Germany





	1966	Introduction of a 1.3‰ legal blood alcohol limit
	1970	Introduction of the principle of defensive driving
	1970	Compulsory use of turn signal (blinking) in urban areas
	1973	Revision of legal blood alcohol limit to 0.8‰
	1974	Accumulating credit system for traffic offenses
	1974	Introduction of recommended speed limit on motorways (Autobahnen) – 130 km/h
	1975	Use of seatbelt and helmet becomes compulsory
	1976	Introduction of 100 km/h speed limit outside of built-up areas
	1980	Introduction of fines for riding motorcycles without helmet
	1984	Introduction of fines for driving without fastened seatbelt
	1986	2-year trial period for new drivers
	1986	Minimum age for driving heavy motorbikes raised to 20 years
	1988	Introduction of minimum distance to trucks and buses
	1993	Mandatory use of child safety seats for children in cars
	1995	Compulsory speed limit for vehicles that drive past standing buses (walking speed)
	1998	Revision of legal blood alcohol limit to 0.5‰
	2001	Introduction of fines for using mobile phones while driving
	2007	Blood alcohol limit of 0.0‰ for novice drivers

Organization (PLANNING, FINANCING, CONTROLLING)

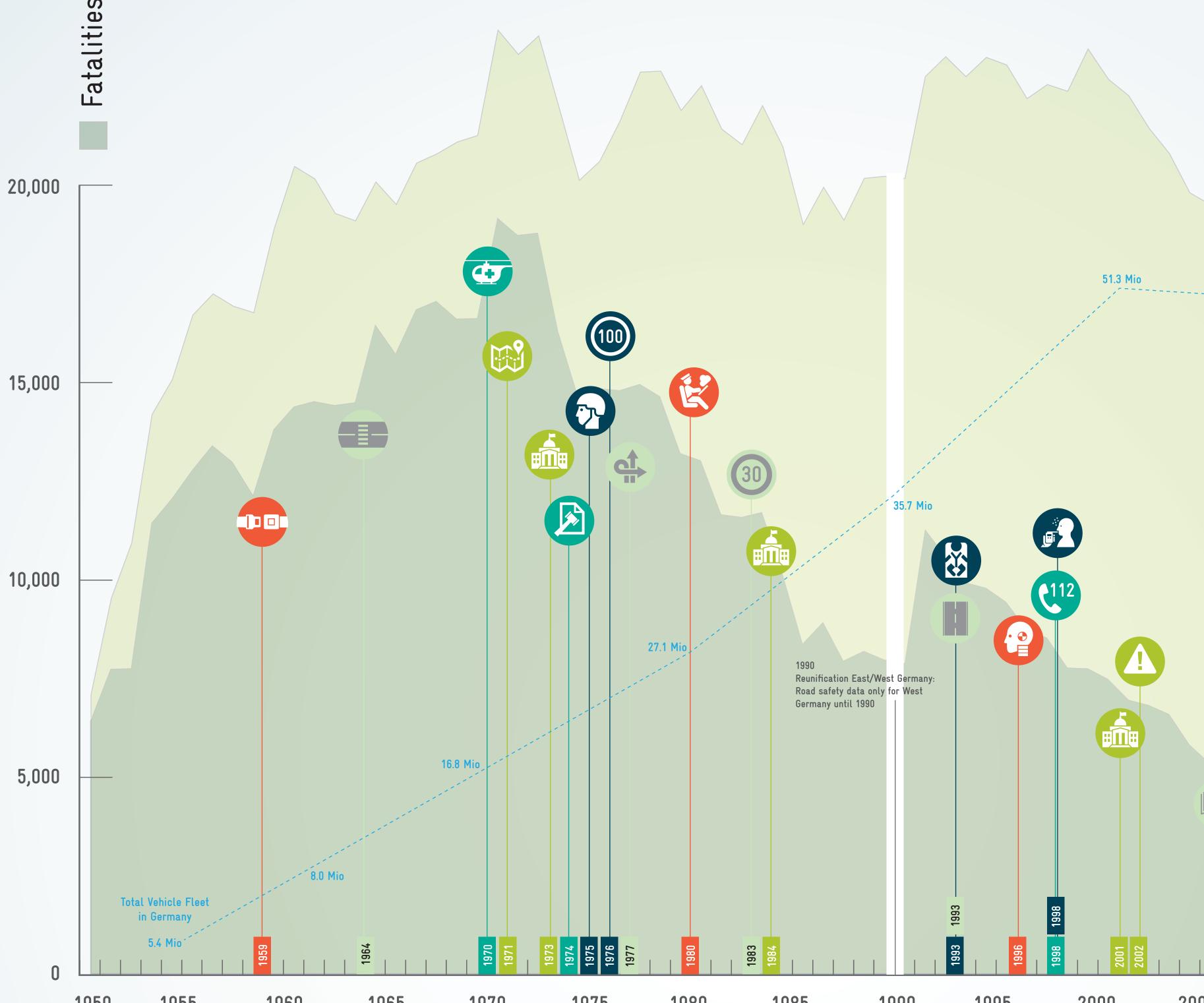
and persons under the age of 21

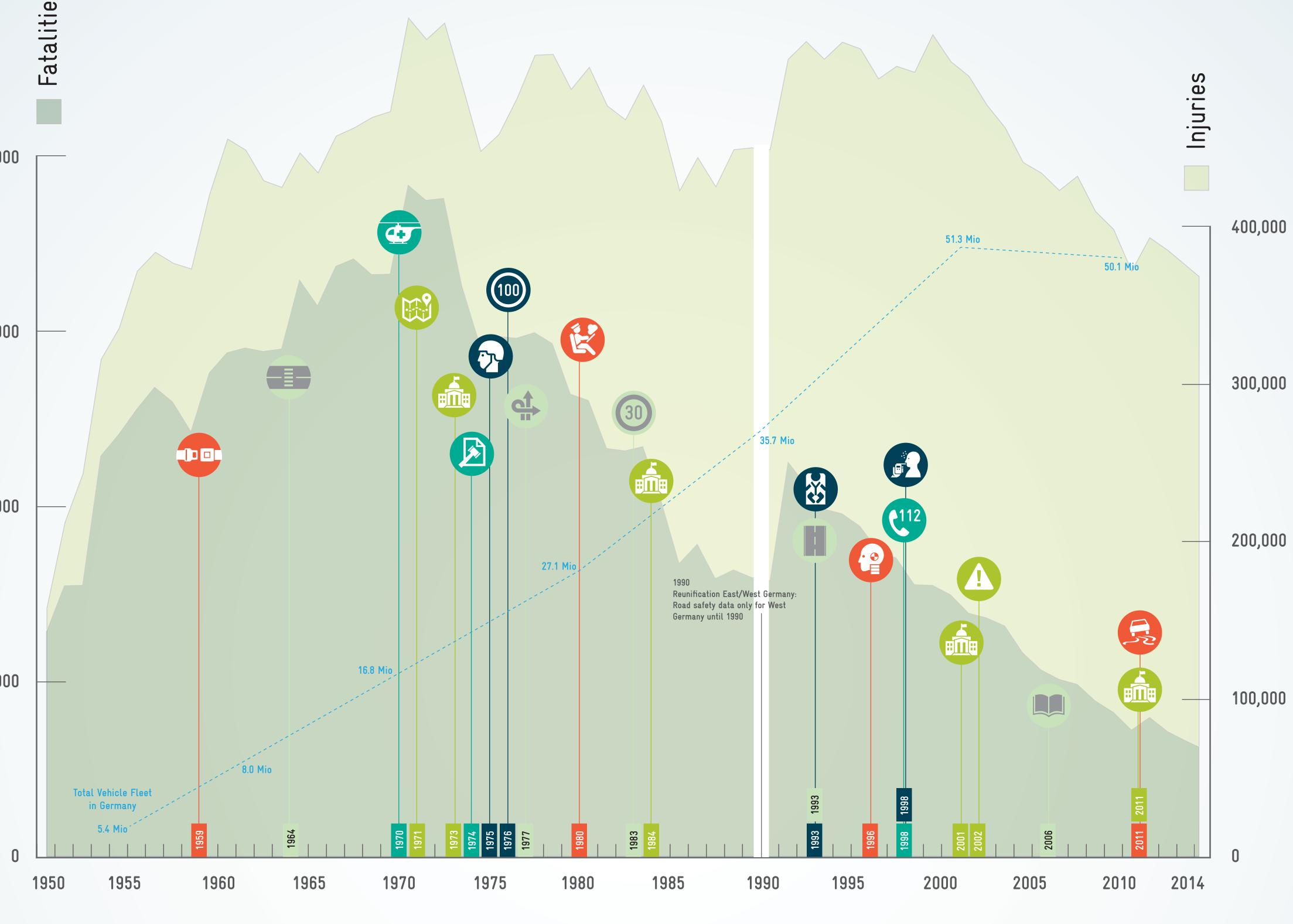
Introduction of accompanied driving from the age of 17

Regular Road Safety Inspection for roads becomes



	1973, 1984, 2001 and	Road Safety Programmes of the Federal Government
	2008	Directive 2008/96/EC of the European Parliament and of the Council of 19 November 2008 on road infrastructure safety management
	2002	Introduction of safety audits to avoid shortcomings with regard to road safety during the planning process
	1979	Introduction of target-oriented transport planning instead of supply-oriented planning in guidelines for local transport plans
	1971	Adoption of the Municipal Transport Financing Law, introducing federal financing schemes for urban transport and mandatory local transport plans
P	1969	Publication of the German Road and Transportation Research Association (FGSV) bulletin on local transport plans (introduction of accident analyses, consideration of non-motorized transport)
	1969	The German Road Safety Council (DVR) is founded, bundling the efforts of all parties involved in road safety in order to achieve efficient action
	1961	Regular vehicle safety inspections (TÜV) become mandatory
		obligatory in road traffic regulations (VwV-StVO)





Infrastructure Related Measures



		introduction of Zobia orocomigo for podoctrano
19		Introduction of standards for geometric layout, gradients, cross sections and design speeds to be integrated into design guidelines
19		Introduction of general principles of road network design, classification of roads according to road categories (i.e. interstate, arterial, collector, local) and connection type (urban vs rural, expected volume etc.)
19	80	Introduction of zones with traffic calming ("Spielstraßen", or play streets), designed to be oriented towards pedestrians
19	81	Publication of German Road and Transportation Research Association (FGSV) recommendations on traffic calming in residential areas
19		Introduction of guidelines on cross-sections for roads (RAS-Q) including determining the dimensions of the roadway components based on physical and volume characterisites
19		First trials for zones with 30 km/h speed limit in residential areas
19	90	Increasing use of roundabouts as alternative form of intersection
19		New design recommendations for urban main roads (including consideration of urban design and requirements of pedestrians and cyclists)
19		Revised guidelines on road alignment including updates on overtaking sight distance reqiurements
19		Introduction of 2+1 lane road design for high level rural roads to prevent overtaking accidents
20	06	Introduction of concepts for self-explaining

(i.e. standardized) roads and forgiving

road design and enforcement measures

accessible transportation facilities (HBVA)

Dedicated recommendations on improving road

safety on popular motorbike routes through improved

First shared space project in Germany (City of Bohmte)

Introduction of "Design for All" principle to provide

roadsides in design guidelines

Introduction of zebra crossings for pedestrians





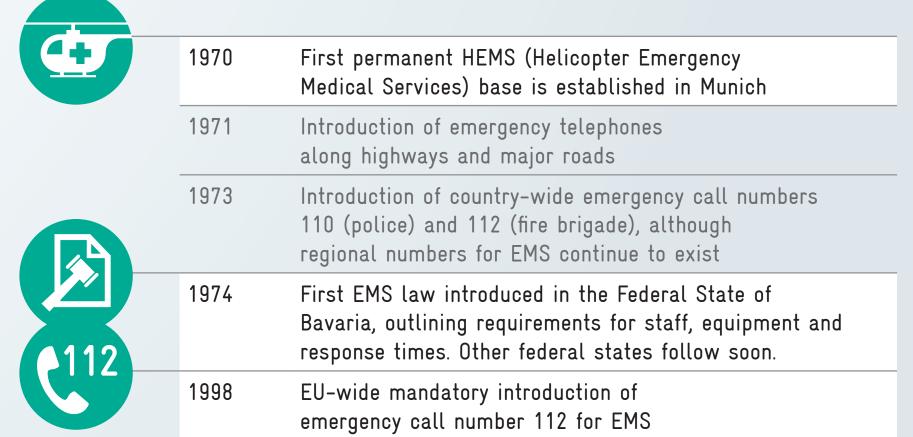
1959	Introduction of three point seat belt
1963	Introduction of energy absorbing steering column (avoiding excessive injuries to the driver in the event of a heavy frontal impact)
1978	Introduction of anti-lock braking system
1980	First introduction of an air bag (in driver seat only) for a Mercedes car
1990	Mandatory introduction of side guards on trucks above 3.5 tons to protect two-wheel drivers and pedestrians
1996	Introduction of Brake Assist System (BAS)



1996	Introduction of Euro.NCAP testing procedures for vehicle passive safety devices
1998	Increasing use of windowbags (protecting passengers from head injuries)
004	Commitment by european car manufacturing industry to equip all new cars with anti-lock braking system
2011	Mandatory introduction of Electronic Stability Control in all new cars and trucks in the EU





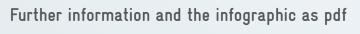




About 3,400 people die every day in road traffic accidents around the world. A further 50 million people are injured every year. Despite comparatively low levels of individual motorisation, emerging economies and developing countries in Africa, the Middle East and Asia are particularly affected, with more than 90 per cent of traffic-related deaths occurring in these countries. If current trends continue, road accidents will overtake HIV/AIDS and tuberculosis to become the world's third most significant health hazard by 2030.

2011

By launching the Decade of Action for Road Safety 2011-2020, the United Nations have called on the member states to step up their efforts to improve road safety. This infographic illustrates the comprehensive approach that Germany has taken as a response to sharply rising fatality rates since the 1950s. Along with many other European countries, Germany has succeeded in reducing fatalities significantly - thanks to a bundle of measures that can be





Imprint

Deutsche Gesellschaft für Internationale Zusammenarbeit Sector Project 'Transport Policy Advisory Services'

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Data source for injuries and fatalities: DESTATIS With special thanks to Prof. Dr.-Ing. Jürgen Gerlach, University of Wuppertal, and Dr. Markus Lerner, Federal Highway Research Institute (BASt), for the helpful suggestions. All errors and omissions remain with GIZ.

As of: August 2015









