

# Demographic Change and Changing Mobility of Elderly - Evidence in the German National Accident Statistics

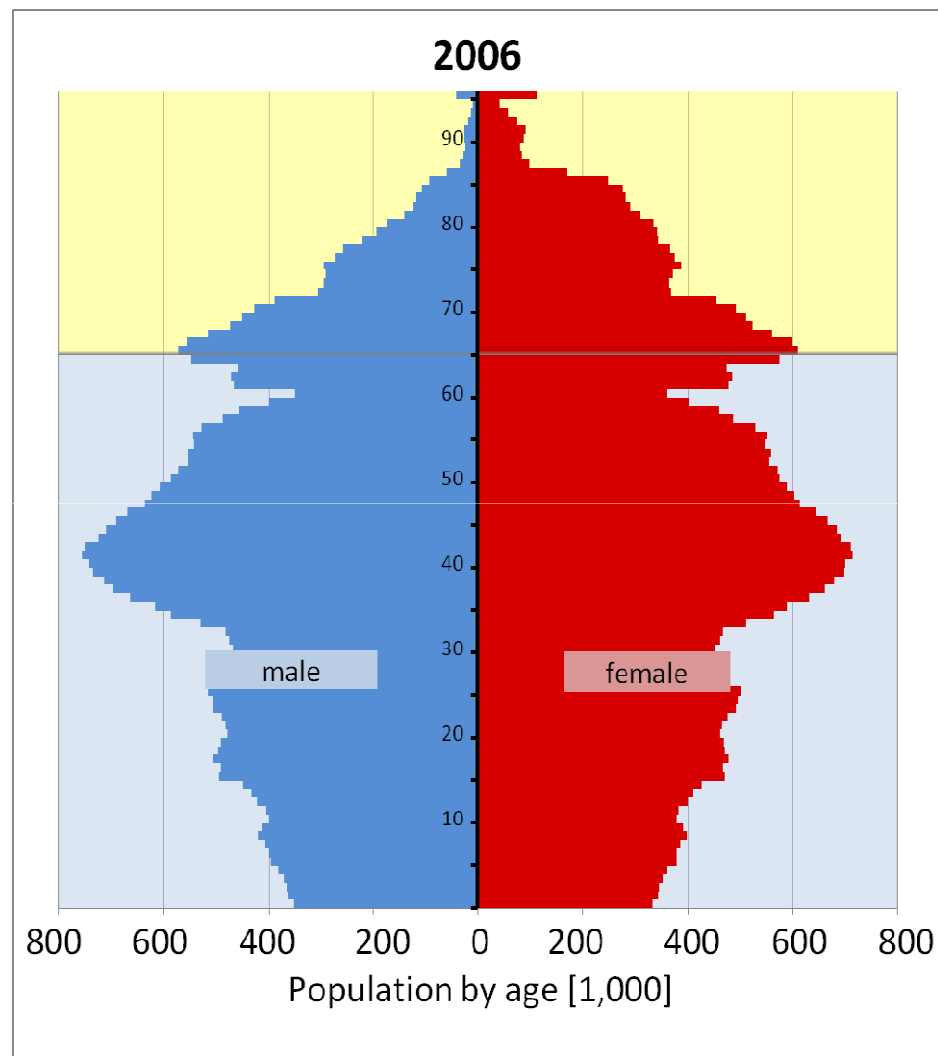
Susanne Schoenebeck

**4<sup>th</sup> IRTAD CONFERENCE**

***Road safety data: collection and analysis  
for target setting and monitoring performances and progress***

**Seoul, 16-17 September 2009**

# Structure of Population, 2006



Population:  
82.4 Mio.

Population 65+:  
15.9 Mio.

Share of population 65+:  
19.3 %

Average age of population:  
42

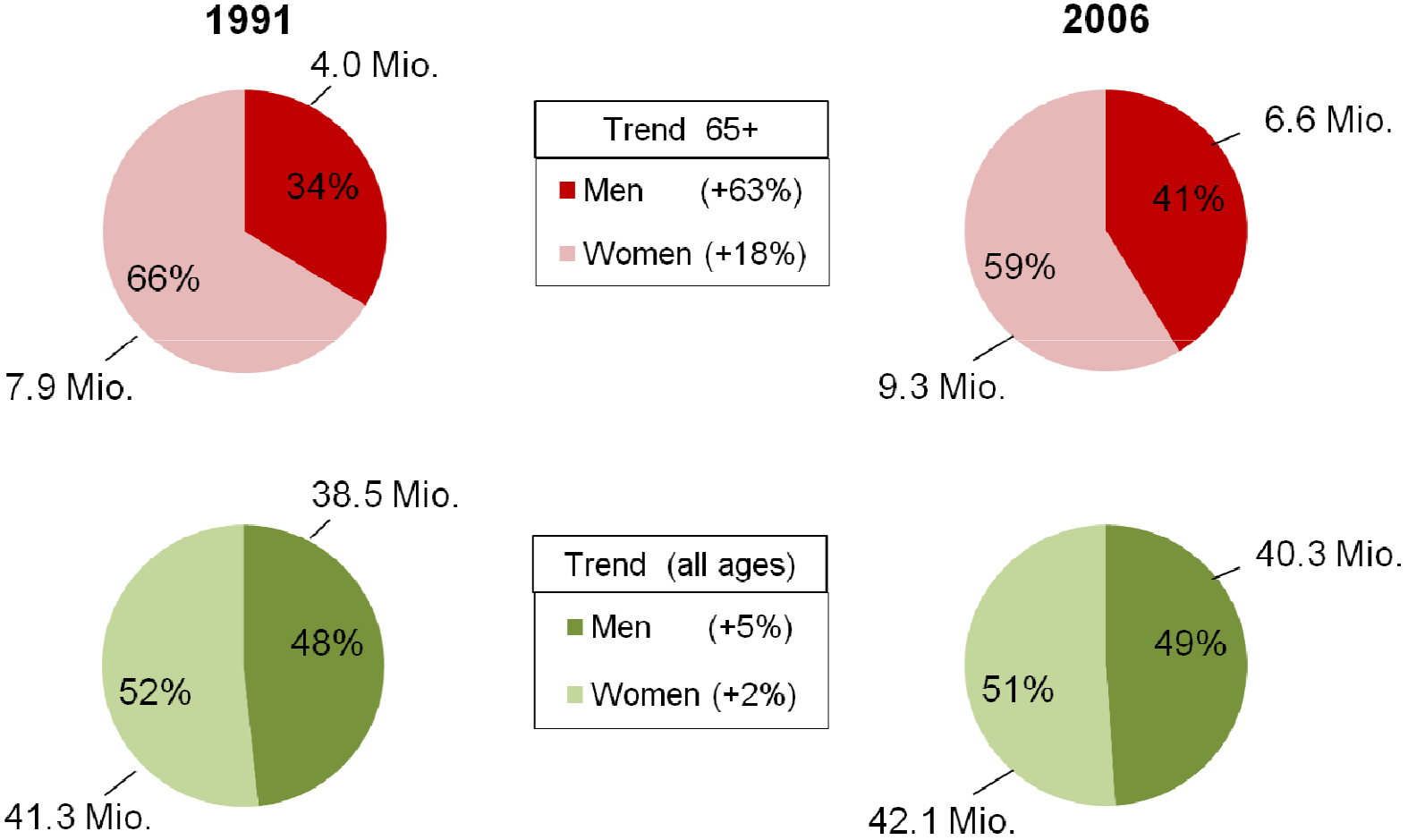
Life expectancy (male/female):  
77 / 82

# Development of Population

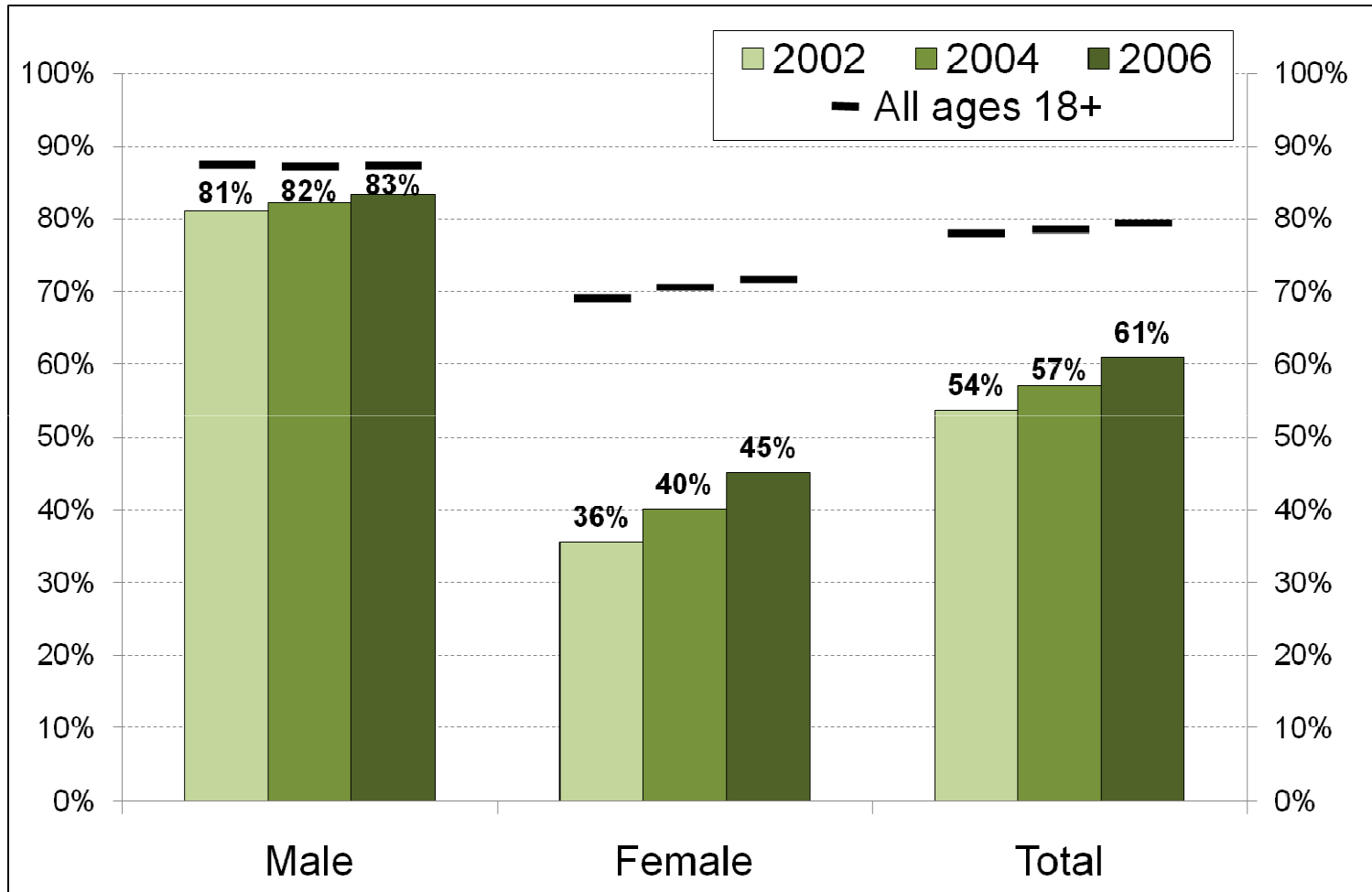
	1991		2006		2030*
Population	79.8 Mio.	+3.4 %	82.4 Mio.	-6.3 %	77.2 Mio.
Population 65+	11.9 Mio.	+33.2 %	15.9 Mio.	+39.5 %	22.1 Mio.
Share of population 65+	15 %		19 %		29 %
Average Age	39		42		48
Life expectancy (male/female)	72 / 79		77 / 82		n.a.

\* Forecast of the German Federal Statistical Office

# Development by Sex



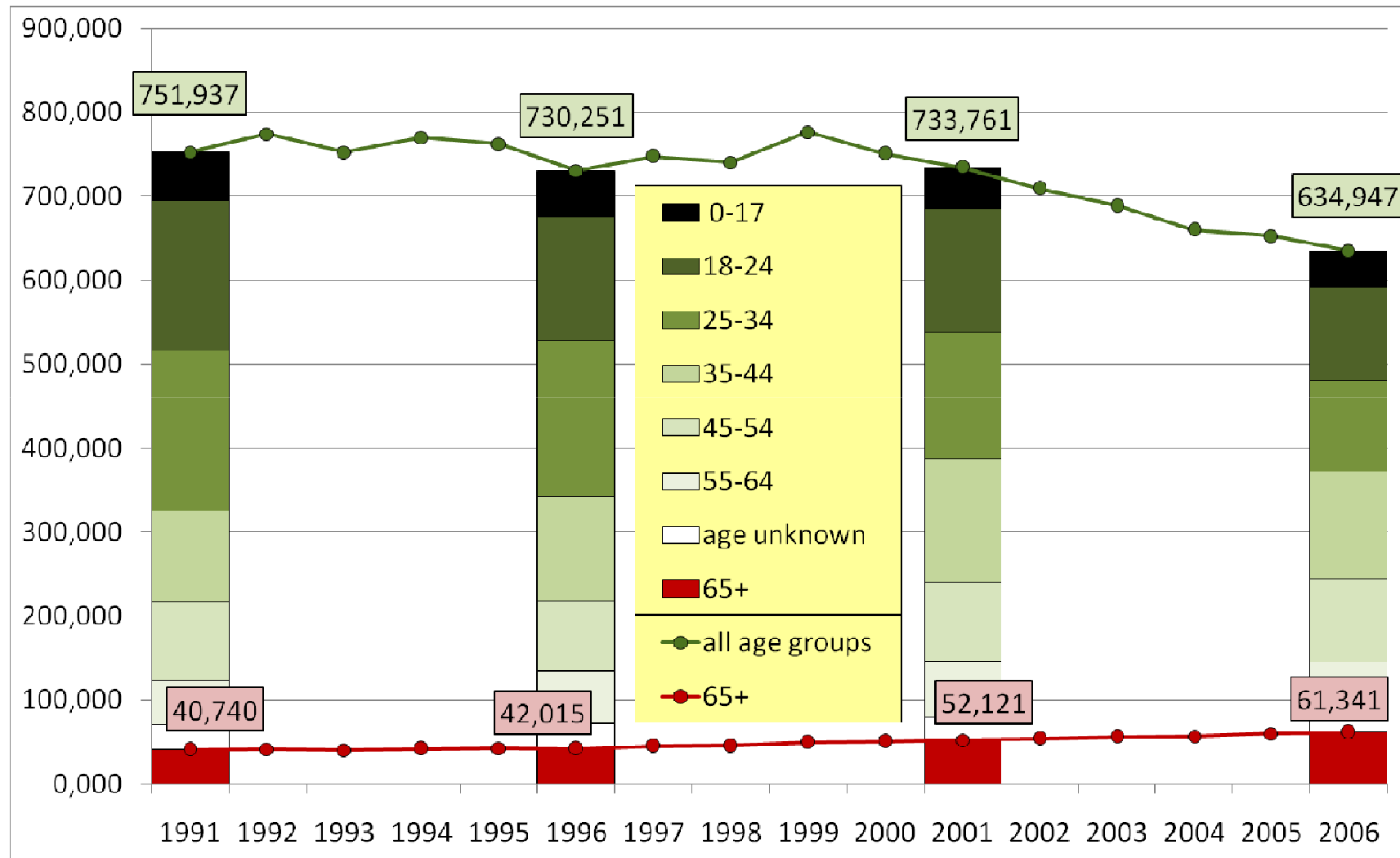
# Possession of Driving Licences for Cars





# Population Facts

- Ageing Population
  - esp. growing number of men 65+
- Structural changes regarding sex
- Better health of senior citizens
- Changes in life style
- Increase in mobility
  - e.g. more driving licences (65+) in general
- Structural changes in mobility
  - e.g. more driving licences for women (65+)
  - less frequent mobility as pedestrians

# Involvement of 65+ in Road Accidents

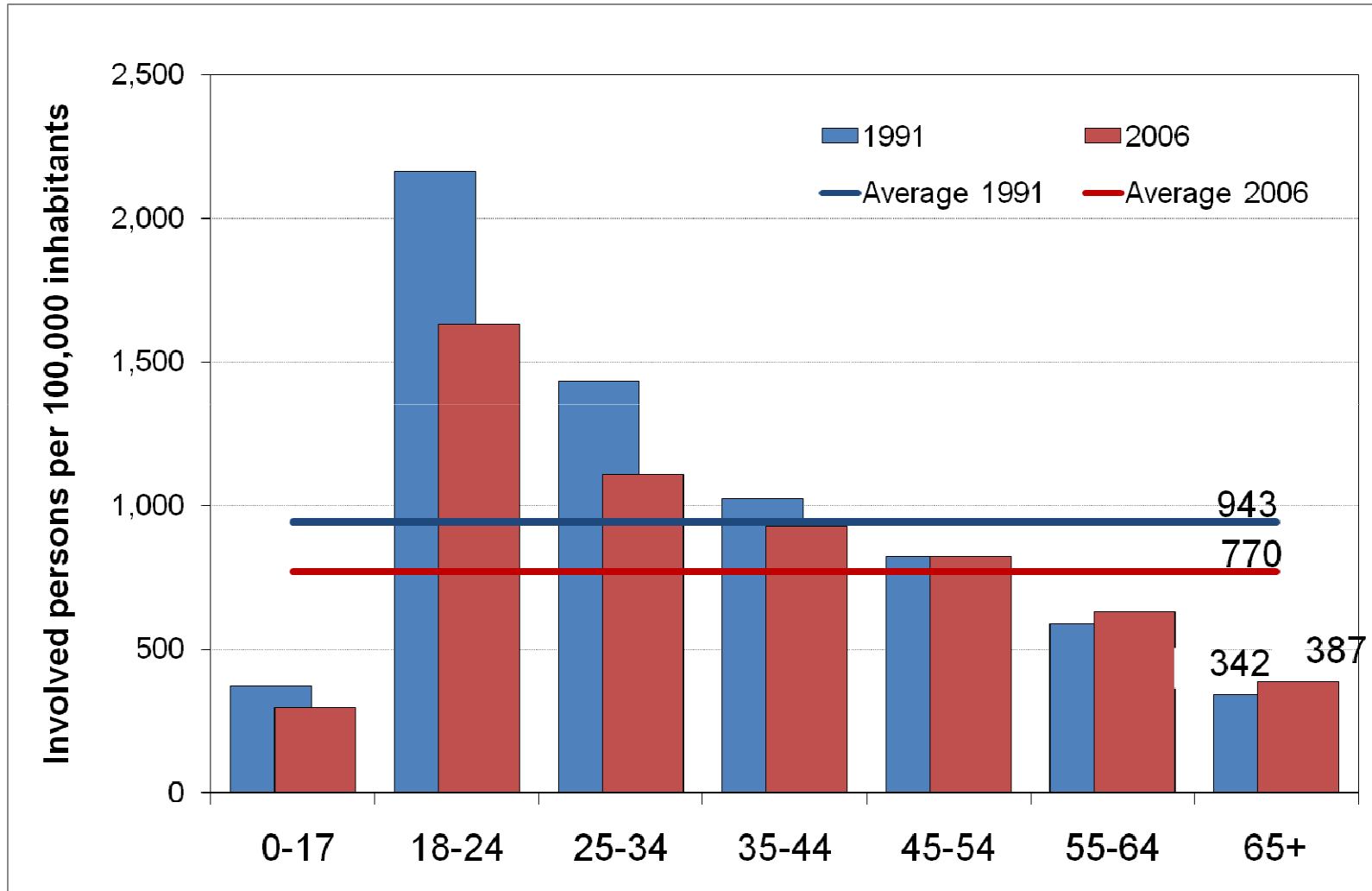


# Population and Accident Involvement

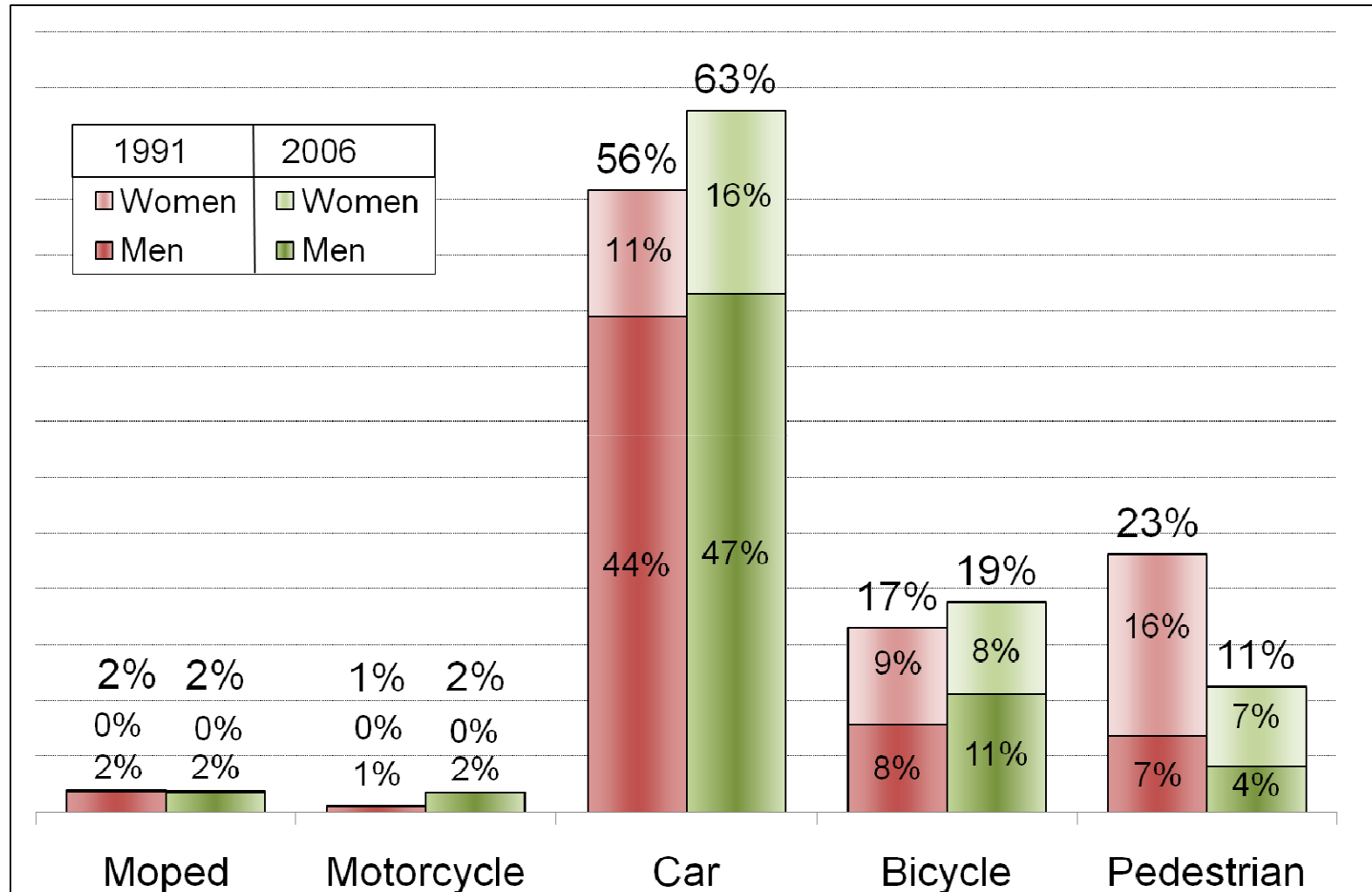
		1991	Trend	2006
		1991	Trend	2006
Involvement in accidents with personal injury	Total	751,937	-19.3 %	634,947
	65+	40,740	+50.6 %	61,341
<b>Share of involvement in accidents</b>		<b>5 %</b>		<b>10 %</b>
<b>Share of population 65+</b>		<b>15 %</b>		<b>19 %</b>



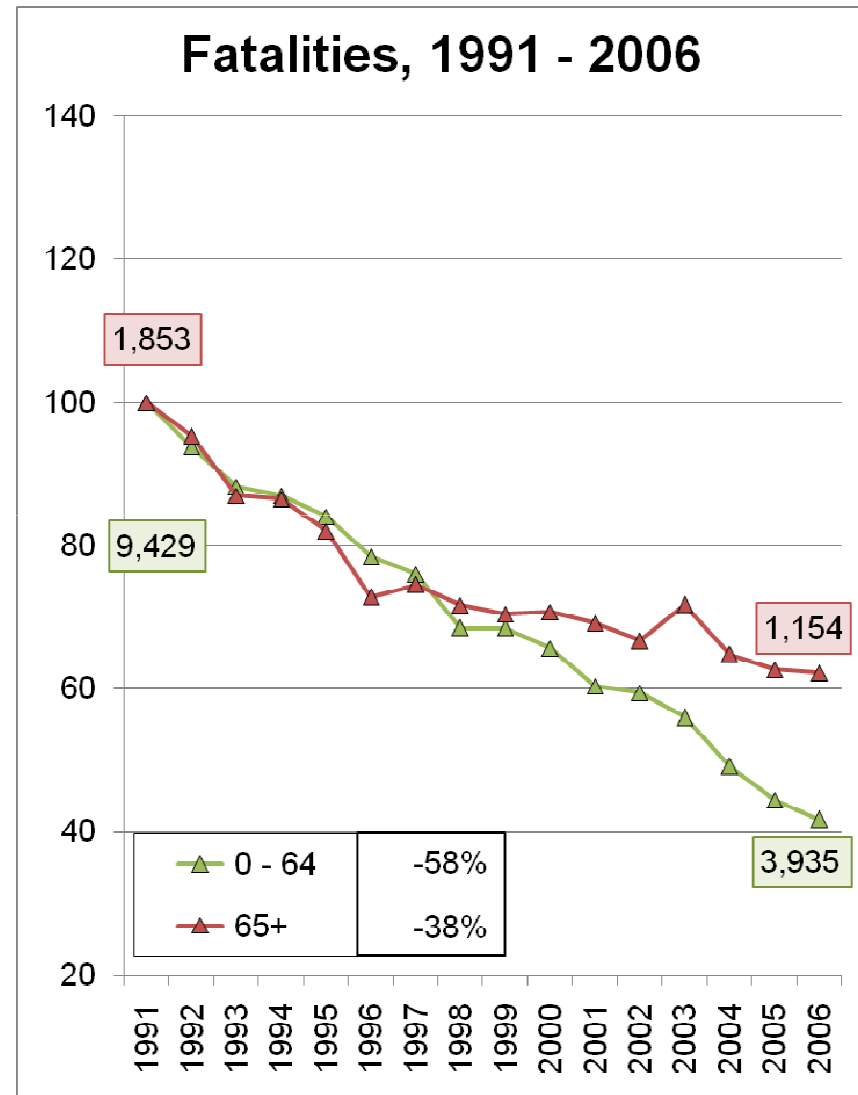
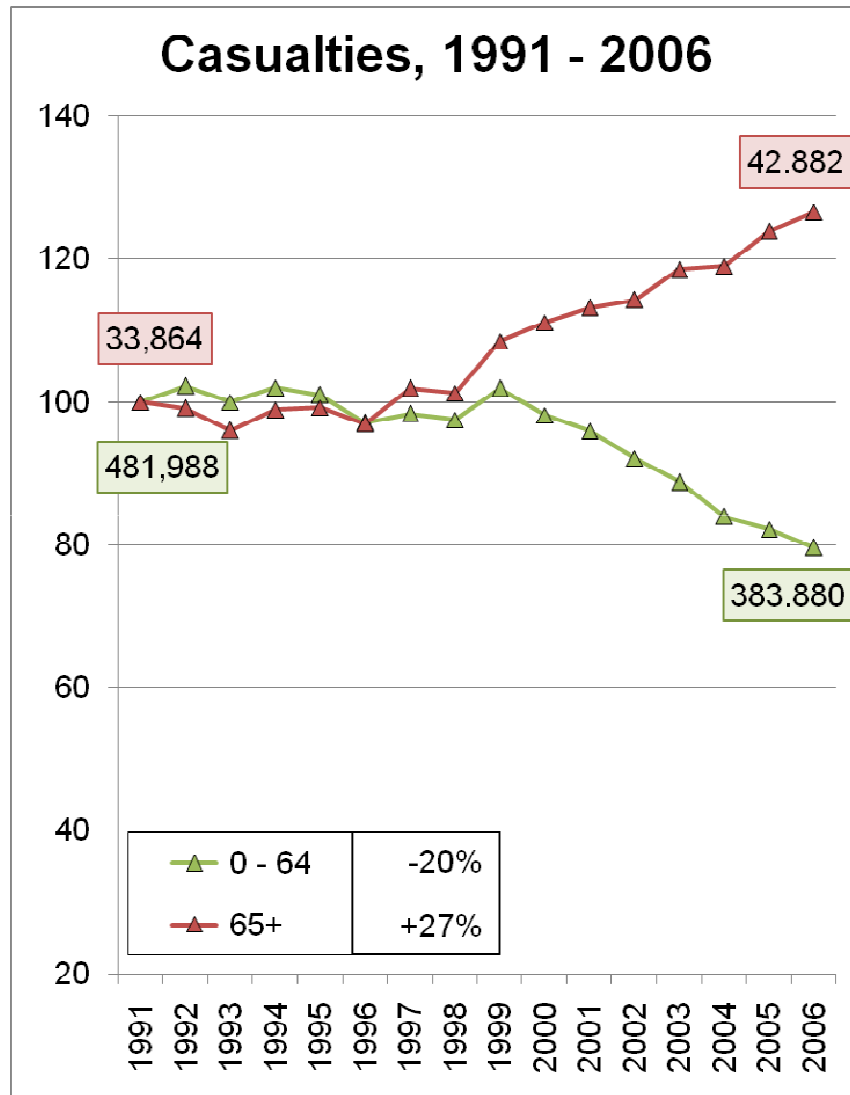
# „Risk“ of Involvement in Accidents








# Structure of Accident Involvement (65+)



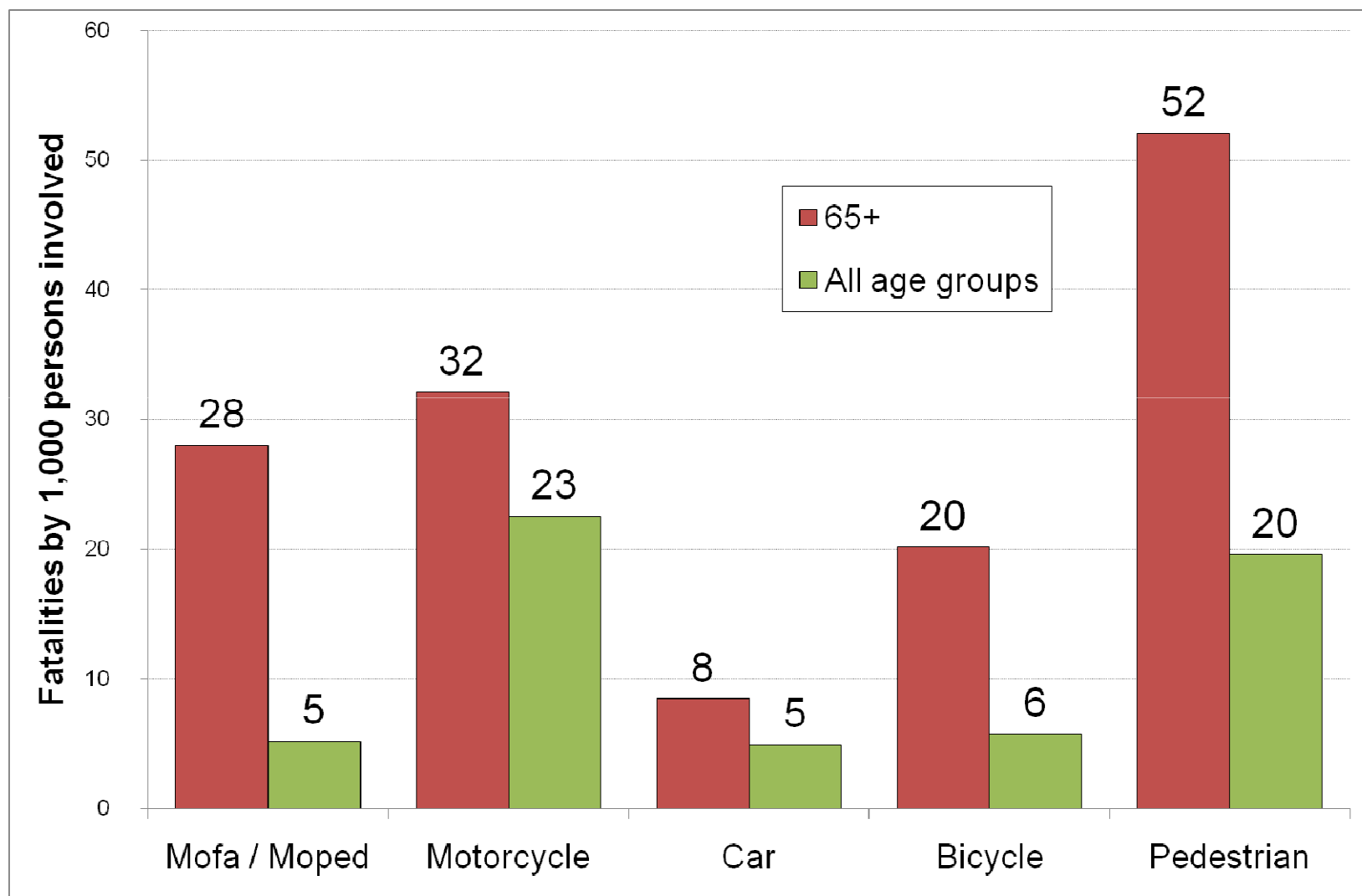
# Casualties of Road Accidents



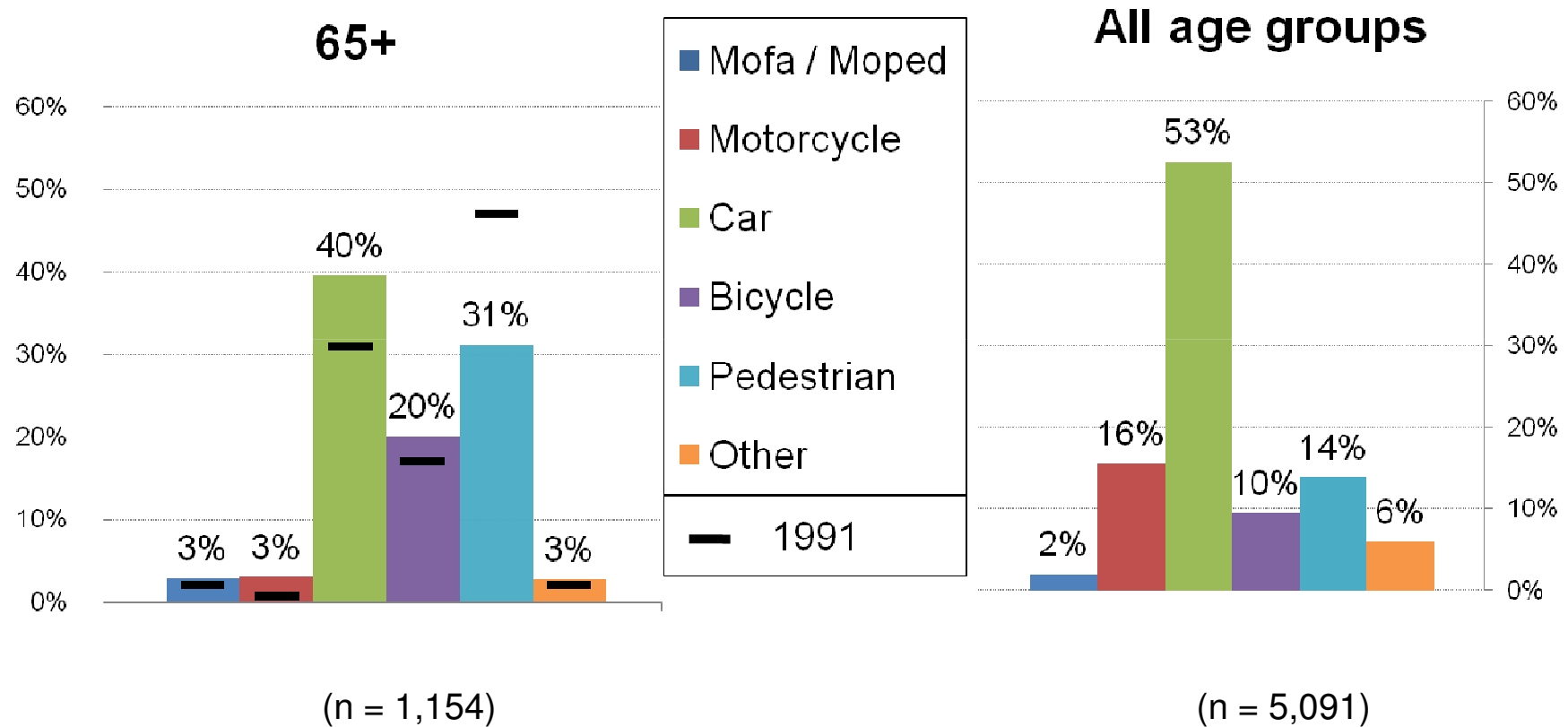
# Population, Accident Involvement and Casualties 65+

	1991	Trend	2006
Share of population 65+	15 %		19 %
Share of involvement in accidents	5 %		10 %
Share of casualties	7 %		10 %
Share of fatalities	16 %		23 %
Ratio of fatalities per 1,000 persons involved in the accident 65+ (comparison: all ages)	39 (12)		17 (7)



# Fatalities by 1,000 Persons Involved



# Fatalities by Mode of Transport, 2006



## Ranking of Fatalities 65+ by Sex

Men 		Women 	
<b>1991</b>			
Pedestrian	315 (34%)	Pedestrian	558 (59%)
Car (Driver)	292 (32%)	Car (Passenger)	186 (20%)
Bicycle (Rider)	191 (21%)	Bicycle (Rider)	125 (13%)
Car (Passenger)	49 (5%)	Car (Driver)	47 (5%)
<b>2006</b>			
Car (Driver)	249 (36%)	Pedestrian	197 (43%)
Bicycle (Rider)	164 (24%)	Car (Passenger)	107 (23%)
Pedestrian	163 (23%)	Car (Driver)	78 (17%)
Motorcycle (Rider)	35 (5%)	Bicycle (Rider)	69 (15%)

# Conclusions 65+

- Total amount of accident involvement increasing
- „Risk“ of involvement in road accidents below average but increasing (esp. women)
- Structure of involvement different from all age groups
- Structure of involvement changing towards cars, fewer pedestrians (esp. women)
- Total amount and share of casualties and fatalities increasing
- Above-average number of fatalities per population
- Structure of casualties and fatalities different from 0 - 64
- Structure of casualties and fatalities changing towards cars



## Conclusions 65+

Now and in future senior citizens form an important aspect of road safety work in Germany.

Thank you very much for your attention.