



## Structure and Culture

### Basic Data

**Table 1: Basic data of Belgium in relation to the EU average**

Basic data of Belgium	EU average
- Population: 11,21 million inhabitants (2015)[2]	18,1 million (2015)
- Area: 30.528 km <sup>2</sup> (2015)[2] (0,82% water) (2015)[4]	159.663 km <sup>2</sup> (2015) 2,94% water (2015) (2015)
- Climate and weather conditions (capital city; 2015) [3]:	6,5°C
- Average winter temperature (Nov. to April): 7°C	
- Average summer temperature (May to Oct.): 15,0°C	17,8°C
- Annual precipitation level: 852 mm	651 mm
- Exposure: 99 billion vehicle km (2013) [1]	122,4 billion vehicle km (2014) <sup>1</sup>
- 0,63 vehicles per person (2014) [1]	0,62 (2014)

Sources: [1] OECD; [2] EUROSTAT; [3] national sources; [4] CIA

Belgium has a high population density.

### Country characteristics

**Table 2: Characteristics of Belgium in comparison to the EU average**

Characteristics of Belgium	EU average
- Population density: 367 inhabitants/km <sup>2</sup> (2015) [2]	114 inhabitants/km <sup>2</sup> (2015)
- Population composition (2015) [2]	
17% children (0-14 years)	15,6% children
65% adults (15-64 years)	65,5% adults
18% elderly (65 years and over)	18,9% elderly (2015)
- Gross Domestic Product (GDP) per capita: €34.100 (2015) [2]	€26.300 (2015)
- 97,9% of population lives inside urban area (2015)[4]	73,3% (2015)
- Special characteristics [4]: flat coastal plains in northwest, central rolling hills, rugged mountains of Ardennes Forest in southeast	

Sources: [1] IRTAD; [2] EUROSTAT; [3] national sources; [4] CIA

<sup>1</sup> Based on the average of 24 EU countries.

## Structure of road safety management

Belgium is a federal state. As a consequence, some issues are dealt with at the federal level (like the general road safety policy), while others are decentralised to the 3 regions: Flanders, Wallonia and Bruxelles - Capitale. The Federal Commission for Road Safety was created and its primary role is to advise the Minister for Mobility and Transport.

The following key actors are responsible for Road Safety (RS) policy making:

**Table 3: Key actors per function in Belgium**

Key functions	Key actors
1. - Formulation of national RS strategy - Setting targets - Development of the RS programme	- Federal Minister for Mobility - Inter Ministerial Committee (IMC) for Road Safety (formulating RS priorities) constituted by both national and regional ministers - Federal Commission for Road Safety (advisory body) - Regional Organisations (Conseil supérieur Wallon de Sécurité Routière; Bruxelles Mobilité; Vlaams Forum Verkeerseiligheid)
2. Monitoring of the RS development in the country	- Federal Minister for Mobility - IMC - Federal Commission for RS - Regional Organisations (Conseil supérieur Wallon de Sécurité Routière; Bruxelles Mobilité; Vlaams Forum Verkeerseiligheid)
3. Improvements in road infrastructure	- Flemish Ministry of Mobility and Public Works (Flanders) - Direction générale opérationnelle Routes et Bâtiments (DGO1) (Wallonia) - Bruxelles Mobilité (Région de Bruxelles-Capitale)
4. Vehicle improvement	- Market, EU - Federal Minister for Mobility - NGOs
5. Improvement in road user education	- GOCA (group of companies undertaking car inspections and driving license at federal level) - Federal states: responsible for educational measures and programmes - Federal Minister for Mobility
6. Publicity campaigns	- IBSR (Belgian Institute for Road Safety) - Regional Authorities - Federal states and other organization in charge of federal competences - NGO, associations, enterprises, etc.
7. Enforcement of road traffic laws	- Federal Police - Local Police - Regional authorities for certain competences - Federal Ministry of Justice
8. Other relevant actors	- Belgian Road Safety Institute IBSR - Transportation Research Institute (IMOB – Hasselt University)

Sources: OECD/ITF; national sources; DG MOVE

In Belgium both federal and regional governments deal with road safety issues.

Belgian drivers are more supportive for stricter legislation on speeding and drink-driving than drivers in other countries.

## Attitudes towards risk taking

- Belgian drivers are more supportive for stricter legislation on speeding and drink-driving compared to drivers in other countries.
- The perceived probability of being checked is higher than the ESRA-average paired with lower police checks.

**Table 4: Road safety attitudes and behaviour of drivers**

	Belgium	ESRA average
<b>Self-reported driving behaviour</b>	<b>% of drivers that show behaviour at least once</b>	
In the past 12 months, as a road user, how often did you drive without respecting a safe distance to the car in front?	58%	60%
In the past 12 months, as a road user, how often did you talk on a hand-held mobile phone while driving?	29%	38%
In the past 12 months, as a road user, how often did you drive faster than the speed limit inside built-up areas?	68%	68%
<b>Supporting stricter legislation</b>	<b>% of drivers that disagree with the following</b>	
What do you think about the current traffic rules and penalties in your country for each of the following themes?: <b>The penalties are too severe: for speeding</b>	65%	61%
What do you think about the current traffic rules and penalties in your country for each of the following themes?: <b>The penalties are too severe: alcohol</b>	91%	87%
Do you support the following measure?: <b>Zero tolerance for alcohol (0,0‰) for all drivers</b>	45%	41%
<b>Perceived probability of being checked</b>	<b>% of drivers with answers in following categories</b>	
In the past 12 months, have you been stopped by the police for a check? <b>(once or more)</b>	22%	31%
On a typical journey, how likely is it that you (as a driver) will be checked by the police for respecting the speed limits (including checks by police car with a camera and/or GoSafe cameras)? <b>(Very (big) chance)</b>	43%	37%
In the past 12 months, have you been checked by the police for alcohol while driving a car (i.e., being subjected to a Breathalyser test)? <b>(once or more)</b>	17%	19%

Source: ESRA 2016

## Legend

(comparison of country attitude in relation to average attitude of other SARTRE countries):

	2-9% better
	10-19% better
	≥ 20% better
	2-9% worse
	10-19% worse
	≥ 20% worse

Belgium has set road safety targets that fit into the goal of reducing fatalities by 50% of the EC.

## Programmes and measures

### National strategic plans and targets

- The latest national strategy was released in 2011 for the period 2011-2020.
- Targets (referred to 2010):

**Table 5: Road safety targets for Belgium**

Year	Fatalities
2020	-50% Max. 420

Targets are set at the federal level as well as for the different regions.

- Priority topics: In order to reach the target in 2020, federal minister for mobility announced the following actions:
  - better coordination of road safety efforts in Belgium
  - regulation of electrical bikes use
  - simplifying traffic rules
  - a BAC of 0,0‰ for young drivers
  - introducing new (quicker) testing devices for drugs
  - strategical action plan for better co-ordinated traffic controls
  - legal implementation of cross border prosecution
  - improving the link between registered offenses and actually paid fines
  - legalising the use of APNR camera's for automatic license plate recognition
  - improvement of database for offenders
  - mandatory fitting of alcohol interlocks in vehicles for person transport
  - review of rules for application of alcohol interlocks for recidivists
  - alternative punishments have to be paid by offenders
  - enabling in-depth accident studies in Belgium (access to accident scenes)
  - mandatory installation of event data recorder
  - code of practice for testing (semi)automatic vehicles on public roads

(Source: IRTAD, 2016)

## Road infrastructure

**Table 6: Description of the road categories and their characteristics in Belgium**

Road type	General speed limits for passenger cars (km/h)
Urban roads	30/50
Rural roads	70/90
Motorways	120

Source: IRTAD, 2016

In Belgium the speed limit on urban roads in the vicinity of schools has been reduced from 50km/h to 30km/h.

- Special rules for:
  - Mopeds A: 25km/h
  - Mopeds B: 45km/h for mopeds
  - 30km/h near schools and in few city centres
- Guidelines and strategic plans for infrastructure are not available in Belgium. Infrastructure management is highly decentralised.

**Table 7: Obligatory parts of infrastructure management in Belgium and other EU countries**

Obligatory parts in Belgium:	EU countries with obligation
Safety impact assessment: yes [2]	32%
Road safety audits: no [1]	81%
Road safety inspections: no [1]	89%
High risk site treatment: no [2]	74%

Sources: [1] DG-TREN, 2010; [2] national sources

- Recent infrastructural actions have been addressing:
  - Alternate merging is mandatory in case of congestion
  - At some intersections, cyclists are allowed to turn right on red

(Source: IRTAD, 2016)

## Traffic laws and regulations

**Table 8: Description of the regulations in Belgium in relation to the most common regulations in other EU countries**

Regulations in Belgium [1]	Most common in EU (% of countries)
Allowed BAC <sup>2</sup> levels:	
- General population: 0,5‰	0,5‰ (61%)
- Novice drivers: 0,5‰	0,2‰ (39%) and 0,0‰ (36%)
- Professional drivers: 0,2‰	0,2‰ (36%) and 0,0‰ (36%)
Phoning:	
- Hand held: not allowed	Not allowed (all countries)
- Hands free: allowed	Allowed (all countries)
Use of restraint systems:	
- Driver: obligatory	Obligatory (all countries)
- Front passenger: obligatory	Obligatory (all countries)
- Rear passengers: obligatory	Obligatory (all countries)
- Children: obligatory	Obligatory (all countries)
Helmet wearing:	
- Motor riders: Obligatory	Obligatory (all countries)
- Moped riders: Obligatory	Obligatory (all countries)
- Cyclists: not obligatory	Not obligatory (46%)
- A demerit point system is in place. [3]	

Sources: [1] EC DG-Move, 2016; [2] WHO, 2013

Alcohol limit for novice drivers in Belgium is higher than the most common limits in the EU.

<sup>2</sup> Blood Alcohol Concentration

Seat-belt, child restraint and drink-driving law enforcement in Belgium are assessed as less effective than in other EU countries.

## Enforcement

**Table 9: Effectiveness of enforcement effort in Belgium according to an international respondent consensus (scale = 0-10)**

Issue	Score for Belgium	Most common in EU (% of countries)
Speed legislation enforcement	7	7 (43%)
Seat-belt law enforcement	6	7 (25%) and 8 (25%)
Child restraint law enforcement	5	8 (39%)
Helmet legislation enforcement	9	9 (50%)
Drink-driving law enforcement	5	8 (43%)

Source: WHO, 2015

## Road User Education and Training

**Table 10: Road user education and training in Belgium compared to the situation in other EU countries**

Education and training in Belgium	Most common in EU (% of countries)
General education programmes:	
- Primary school: compulsory (not in French-speaking community)	Compulsory (71%)
- Secondary school: voluntary (not in French-speaking community)	Compulsory (43%)
- Other groups: none	-
Driving licences thresholds:	
- Passenger car: 18 years	18 years (79%)
- Motorised two wheeler: 16 years: ≤45km/h; ≤50cm <sup>3</sup>	18 years (low categories) and higher ages (32%)
18 years: ≤11kW; ≤125cm <sup>3</sup> ; 0,1 kW/kg	
20 years: ≤35kW; ≤0,2kW/kg	
24 years: >35kW (or 22 years with progressive access)	
- Buses and coaches: 21 years	21 years (86%)
- Lorries and trucks: 21 years	21 years (75%)

Sources: [1] ROSE25, 2005; [2] ETSC; [3] national sources

## Public Campaigns

**Table 11: Public campaigns in Belgium compared to the situation in other EU countries**

Campaigns in Belgium	Most common issues in EU (% of countries)
<b>Organisation:</b> - Regional authorities - Federal states and other organisations in charge of federal competences - NGO, associations, entreprises, etc	
<b>Main themes:</b> - Drink-driving - Seat-belts - Speed - Children - Motorcyclist campaign - Novice drivers - Young drivers - Distraction - Fatigue - Seasonal behaviour	Drink-driving (96%) Speeding (86%) Seat-belt (79%)

Sources: IRTAD, 2016; national sources

## Vehicles and technology (national developments)

**Table 12: Developments of vehicles and technology in Belgium compared to the situation in other EU countries**

Mandatory technical inspections:	Most common in EU (% of countries)
Passenger cars: every 12 months	Every 12 months (39%)
Motorcycles: every 12 months	Every 24 months (32%)
Buses or coaches: every 12 months	Every 12 months (61%)
Lorries or trucks: every 12 months	Every 12 months (68%)

Sources: EC website, national sources

The periods for mandatory vehicle inspections are similar to the periods most common in other EU countries.

The number of speed tickets per population in Belgium increased over the last years and was higher than the EU average in 2014.

## Road Safety Performance Indicators

### Speed

**Table 13: Number of speed tickets per population in Belgium versus the EU average**

Measure	2007	2014	Average annual change	EU average (2014)
Number of speed tickets/ 1.000 population	195	300	6,3%	91

Sources: [1] ETSC, 2010; [2] ETSC, 2016

**Table 14: Percentage of speed offenders per road type in Belgium compared to the EU average**

Road type	2004 [1]	2012 [2]	Average annual change	EU average
Motorways	39%	27%	-4,5%	n/a
Rural roads	41% (90km/h) 70% (70km/h)	27% (90km/h) 52% (70km/h)	-5,1% (90km/h) -3,6% (70km/h)	n/a
Urban roads	50%	56%	1,4%	n/a

Sources: [1] ETSC, 2010; [2] national sources

**Table 15: Mean speed per road type in Belgium compared to the EU average**

Road type	2004 [1]	2012 [2]	Average annual change	EU average
Motorways	120 km/h	118 km/h*	-0,2%	n/a
Rural roads	88,3 (90km/h) 78,1 (70 km/h)	82,1 (90 km/h) 71,9 (70 km/h)	-0,9% (90km/h) -1% (70 km/h)	n/a
Urban roads	51,3 km/h	55,6 km/h	1%	n/a

Sources: [1] ETSC, 2010; [2] national sources

\*Data from 2011

### Alcohol

**Table 16: Road side surveys for drink-driving in Belgium compared to the EU average**

Measure	2009	2015	Average annual change	EU average (2015)
Amount of tests/1.000 population	n/a	n/a	-	209
% tested over the limit	n/a	n/a	-	2,2%

Sources: [1] ETSC, 2010; [2] ETSC, 2016

The percentage of speed offenders on rural roads and motorways has decreased over time.

The vehicle fleet in Belgium is newer than the EU average.

## Vehicles

**Table 17: State of the vehicle fleet in Belgium compared to the EU average**

Vehicles	EU average
Cars per age group (2012):	Passenger cars (2012)
- ≤2 years: 24%	≤2 years: 9%
- 3 to 5 years: 24%	3 to 5 years: 13%
- 6 to 10 years: 27%	6 to 10 years: 28%
- >10 years: 25%	>10 years: 49%
EuroNCAP occupant protection score of cars (new cars sold in 2013):	
- 5 stars: 51,0%	5 stars: 52,5%
- 4 stars: 3,3%	4 stars: 4,5%
- 3 stars: 3,3%	3 stars: 2,9%
- 2 stars: 0,6%	2 stars: 0,5%
- not tested: 41,8%	not tested: 39,6% <sup>3</sup>

Sources: [1] Eurostat; [2] ETSC, 2016

## Protective systems

**Table 18: Protective system use in Belgium versus the average in EU**

Protective systems	EU average <sup>4</sup>
Daytime seat-belt wearing in cars and vans (2015) [1]:	(2015)
- 92% front	89,7% front
- 92% driver	not available
- 92% front passenger	not available
- 86% rear	69,5% rear
- 89% child restraint systems <sup>5</sup>	not available
Helmet use (2006) [2]:	
- 99% motor riders (2005)	
- 94% moped riders	not available
- 34% cyclists	

Sources: [1] IRTAD, 2015; [2] Vis & Eksler, 2008

In Belgium, seat-belt wearing rates are higher than the EU average.

<sup>3</sup> Based on data of 25 EU countries (excl. HR, LU and MT).

<sup>4</sup> Based on data of 15 EU countries; data of AT, BE, IE, IT, LU, HU, FI, SE (2015); data of CZ, DE, DK, HR, LT, PL, UK (2014); data of PT (2013)

<sup>5</sup> only one out of three children (35%) is correctly restrained (IRTAD, 2016)

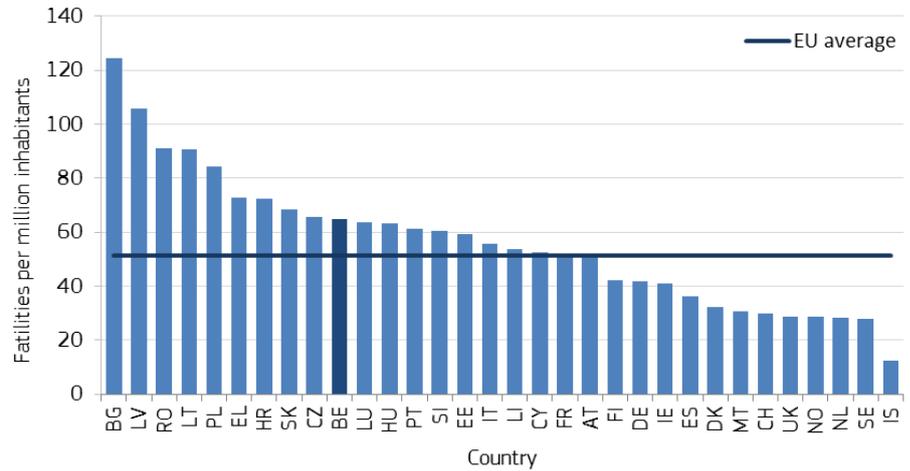
## Road Safety Outcomes

### General positioning

The fatality rate of Belgium is a bit higher than the EU average (around 65 fatalities per million population in 2014). Since 2001, the Belgian fatality rate and the EU average rate have shown similar developments.

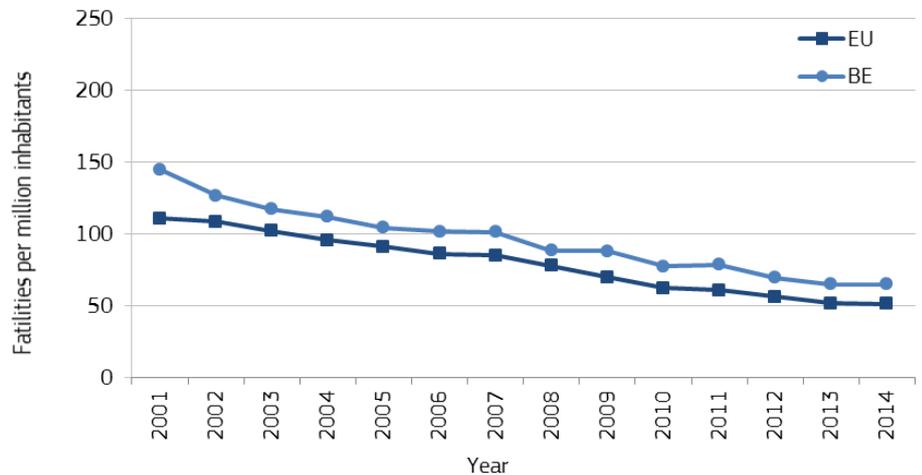
The fatality rate of Belgium is higher than the EU average; the development was similar to the EU average between 2001 and 2014.

**Figure 1: Fatalities per million inhabitants in 2014 with EU average**



Sources: CARE, Eurostat

**Figure 2: Development of fatalities per million inhabitants between 2001 and 2014 for Belgium and the EU average**



Sources: CARE, Eurostat

The share of car occupant fatalities is a bit higher compared to the EU average.

## Transport mode

The share of car occupant fatalities is a bit higher than the EU average. While the average annual reduction of motorcyclist fatalities between 2001 and 2014 was only 4%, it was 6% for car occupants and 10% for mopeds. In the same period, the annual reduction rates of pedestrian and cyclist fatalities were 3% and 4% respectively.

**Table 19: Reported fatalities by mode of road transport in Belgium compared to the EU average**

Transport mode	2001	2014	Average annual change	Share in 2014	EU average (2014)
Pedestrians	158	106	-3%	15%	22%
Car occupants	899	379	-6%	52%	45%
Motorcyclists	147	85	-4%	12%	15%
Mopeds	63	17	-10%	2%	3%
Cyclists	130	76	-4%	10%	8%
Bus/coach occupants	9	4	-6%	1%	1%
Lorries or truck occupants	76	41	-5%	6%	5%

Sources: CARE, national sources

## Age, gender and nationality

**Table 20: Reported fatalities by age, gender and nationality in Belgium versus the EU average**

Age and gender	2001	2014	Average annual change	Share in 2014	EU average (2014)
<b>Females</b>					
0 - 14 years	28	3	-16%	0%	1%
15 - 17 years	11	8	-2%	1%	1%
18 - 24 years	59	16	-10%	2%	3%
25 - 49 years	140	42	-9%	6%	6%
50 - 64 years	46	36	-2%	5%	4%
65+ years	97	59	-4%	8%	9%
<b>Males</b>					
0 - 14 years	35	6	-13%	1%	1%
15 - 17 years	35	14	-7%	2%	2%
18 - 24 years	222	101	-6%	14%	12%
25 - 49 years	492	213	-6%	30%	29%
50 - 64 years	146	101	-3%	14%	15%
65+ years	167	118	-3%	16%	16%
<b>Nationality of driver or rider killed</b>					
National	n/a	323	n/a	45%	n/a
Non-national	n/a	404	n/a	56%	n/a

Sources: CARE, national sources

Belgium has a similar share of road fatalities by age and gender to the EU average. More than half of all fatalities are non-nationals.

Fatalities in rural areas and on motorways are over-represented in Belgium.

## Location

Fatalities in rural areas and on motorways are over-represented in Belgium compared to the EU average.

**Table 21: Reported fatalities by location in Belgium compared to the EU average**

Location	2001	2014	Average annual change	Share in 2014	EU average (2014)
Built-up areas	453	188	-7%	26%	38%
Rural areas	841	420	-5%	59%	54%
Motorways	192	105	-5%	15%	7%
Junctions	357	94	-10%	13%	19%

Sources: CARE, national sources

## Lighting and weather conditions

**Table 22: Reported fatalities by lighting and weather conditions in Belgium compared to the EU average**

Conditions	2001	2014	Average annual change	Share in 2014	EU average (2014)
<b>Lightning conditions</b>					
During daylight	735	366	-5%	50%	49%
During night-time	663	201	-9%	28%	30%
<b>Weather conditions</b>					
While raining	252	48	-12%	7%	9%

Sources: CARE, national sources

The proportion of fatal single vehicle accidents is substantially higher than the EU average.

## Single vehicle accidents

**Table 23: Reported fatalities by type in Belgium compared to the EU average**

Accident Type	2001	2014	Average annual change	Share in 2014	EU average (2014)
Single vehicle accidents	600	259	-7%	36%	28%

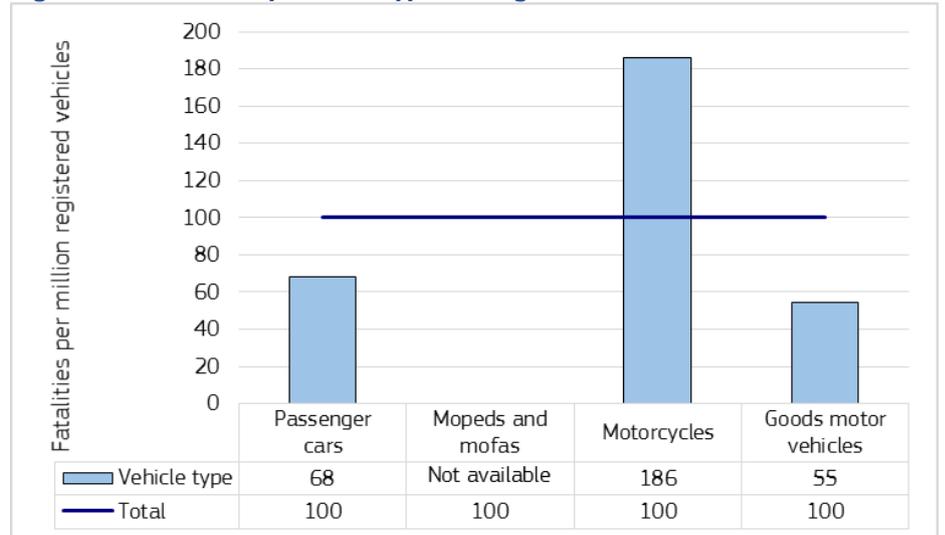
Sources: CARE, national sources

## Under-reporting of casualties

- Fatalities: 100%, due to improvements of the data recording systems.
- Hospitalised: no studies with quantitative information exist.

## Risk Figures

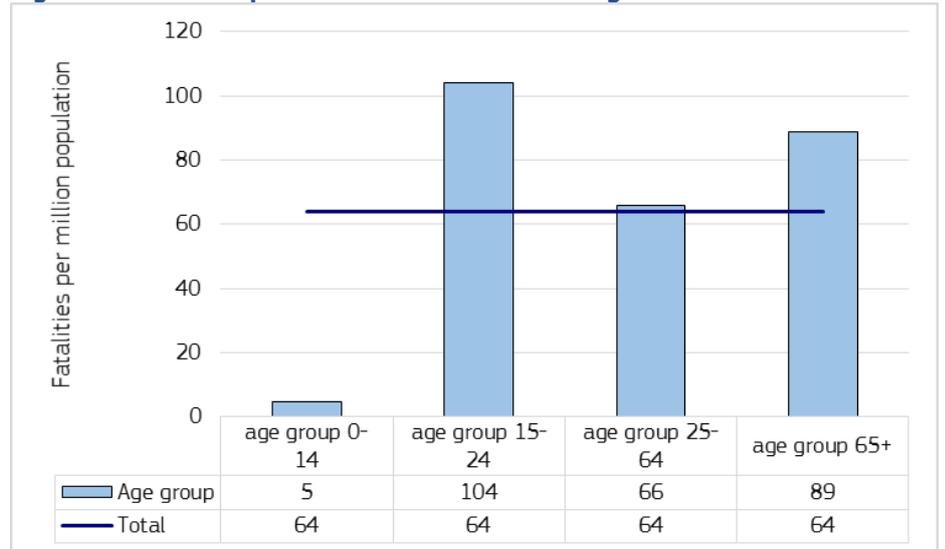
**Figure 3: Fatalities by vehicle type in Belgium in 2014**



Sources: CARE, IRTAD; Number of registered mopeds and mopeds was not available, Total = all motor vehicles excluding mopeds and mopeds

In Belgium risk is high for motorcyclists, the elderly and especially for youngsters.

**Figure 4: Fatalities per million inhabitants in Belgium in 2014**



Sources: CARE, EUROSTAT

## Social Cost

- The total cost of road accident casualties (fatalities and injuries) is estimated at 48,5 billion euros (2014).
- The following costs are an update of the values in Table 5.3 of the HEATCO Deliverable D5 (2006) to base year 2010. Each figure includes the value of safety per se (VSL<sup>6</sup> for fatality, 13% of VSL for severe, 1% for light injury) and the value of direct and indirect economic costs (10% of VSL for fatality, severe and slight injury based on HEATCO (2005)). EU average based on the VSL of €1,7 million.
- The costs per casualty for 2010 are as follows:

**Table 24: Cost (€) per injury type in Belgium versus the EU average**

Country	Fatality	Severe injury	Slight injury
Austria	2.395.000	327.000	25.800
<b>Belgium</b>	<b>2.178.000</b>	<b>330.400</b>	<b>21.300</b>
Bulgaria	984.000	127.900	9.800
Croatia	1.333.000	173.300	13.300
Cyprus	1.234.000	163.100	11.900
Czech Republic	1.446.000	194.300	14.100
Denmark	2.364.000	292.600	22.900
Estonia	1.163.000	155.800	11.200
Finland	2.213.000	294.300	22.000
France	2.070.000	289.200	21.600
Germany	2.220.000	307.100	24.800
Greece	1.518.000	198.400	15.100
Hungary	1.225.000	164.400	11.900
Ireland	2.412.000	305.600	23.300
Italy	1.916.000	246.200	18.800
Latvia	1.034.000	140.000	10.000
Lithuania	1.061.000	144.900	10.500
Luxembourg	3.323.000	517.700	31.200
Malta	2.122.000	269.500	20.100
Netherlands	2.388.000	316.400	25.500
Poland	1.168.000	156.700	11.300
Portugal	1.505.000	201.100	13.800
Romania	1.048.000	136.200	10.400
Slovakia	1.593.000	219.700	15.700
Slovenia	1.989.000	258.300	18.900
Spain	1.913.000	237.800	17.900
Sweden	2.240.000	328.700	23.500
Great Britain	2.170.000	280.300	22.200
<b>EU average</b>	<b>1.870.000</b>	<b>243.100</b>	<b>18.700</b>

Source: Update of the Handbook on External Costs of Transport. Final Report. Report for the European Commission: DG MOVE. Ricardo-AEA/R/ ED57769 Issue Number 1; 8th January 2014

<sup>6</sup> Value of Statistical Life

The cost of road accident casualties in Belgium is one of the highest among the EU countries.

## Synthesis

### Safety position

- The fatality rate of Belgium is a bit higher than the EU average (around 65 fatalities per million population in 2014).

### Scope of problem

- The costs per injury type are estimated to be higher than the EU average.
- A large number of fatalities are car occupants, followed by pedestrians, motorcyclists and cyclists. However, the share of pedestrian fatalities is significantly lower compared to the EU average.
- The share of fatalities amongst men between 25 and 49 years is the highest among the different age groups of both genders.

### Recent progress

- A steady decrease in road fatalities is observed in Belgium between 2001 and 2014.
- A significant annual decrease was recorded with regard to the number of child fatalities during 2001-2014.

### Remarkable road safety policy issues

- In Belgium, the speed limit on urban roads in the vicinity of schools has been reduced from 50km/h to 30km/h.
- Seat-belt and child restraint law enforcement in Belgium are assessed as less effective than in most EU countries; however, seat-belt wearing rates in 2015 are higher than the EU average.
- The percentage of speed offenders on rural roads has decreased over time.

---

Seat-belt and child restraint law enforcement in Belgium are assessed as less effective than in most EU countries; however, seat-belt wearing rates in 2015 are higher than the EU average.

---

## References

1. CARE database (2016).
2. CIA database (2016).
3. DG-TREN (2010). Technical Assistance in support of the Preparation of the European Road Safety Action Program 2011-2020. Final Report. DG-TREN, Brussels.
4. European Commission website (2016).  
[http://europa.eu/youreurope/citizens/vehicles/registration/formalities/index\\_en.htm](http://europa.eu/youreurope/citizens/vehicles/registration/formalities/index_en.htm)
5. European Commission DG Move website (2016).  
[http://ec.europa.eu/transport/road\\_safety/index\\_en.htm](http://ec.europa.eu/transport/road_safety/index_en.htm)
6. ETSC (2009). Boost the market for safer cars across Europe. + Background tables PIN Flash no. 13. ETSC, Brussels.
7. ETSC (2010). Road Safety Target in Sight: Making up for lost time. + Background tables 4th Road Safety PIN report. ETSC, Brussels.
8. ETSC (2014). Ranking EU progress on car occupant safety. + Background tables PIN Flash no. 27. ETSC, Brussels.
9. ETSC (2015). Enforcement in the EU-Vision 2020. + Background tables. ETSC, Brussels.
10. ETSC (2015). Making walking and cycling on Europe's roads safer. + Background tables PIN Flash no. 29. ETSC, Brussels.
11. ETSC (2015). Ranking EU progress on improving motorway safety. + Background tables PIN Flash no. 28. ETSC, Brussels.
12. ETSC (2016). How safe are the new cars sold in the EU? An analysis of the market penetration of Euro NCAP-rated cars. + Background tables PIN Flash no. 30. ETSC, Brussels.
13. ETSC (2016). How traffic law enforcement can contribute to safer roads. + Background tables PIN Flash no. 31. ETSC, Brussels.
14. Eurostat database (2016).
15. European Commission (2014). Handbook on External Costs of Transport. Final Report. Ricardo-AEA/R/ ED57769 Issue Number 1; 8th January 2014.
16. European Commission (2015). Road Safety in the European Union: Trends, statistics and main challenges. European Commission, Mobility and Transport DG, Brussels.
17. National Sources (2016): via national CARE experts and official national sources of statistics.
18. OECD/ITF (2014). Road Safety Annual Report 2014. OECD Publishing, Paris.
19. OECD/ITF (2015). Road Safety Annual Report 2015. OECD Publishing, Paris.
20. OECD/ITF (2015). Road Infrastructure Safety Management. OECD Publishing, Paris.
21. OECD/ITF (2016). Road Safety Annual Report 2016. OECD Publishing, Paris.
22. ROSE25 (2005). Inventory and compiling of a European good practice guide on road safety education targeted at young people. Final report. KfV, Vienna.
23. SUPREME (2007) Final Report Part F1. Thematic Report: Education and Campaigns. European Commission, Brussels.
24. Torfs, K., Meesmann, U., Van den Berghe, W., & Trotta M., (2016). ESRA 2015 – The results. Synthesis of the main findings from the ESRA survey in 17 countries. ESRA project (European Survey of Road users' safety Attitudes). Belgian Road Safety Institute, Brussels.
25. WHO (2013). Global status report on road safety 2013: supporting a decade of action. World Health Organisation, Geneva.
26. WHO (2015) Global status report on road safety 2015. World Health Organisation, Geneva.
27. UNECE database (2016).

## Notes

### 1. Country abbreviations

	Belgium	BE		Italy	IT		Romania	RO
	Bulgaria	BG		Cyprus	CY		Slovenia	SI
	Czech Republic	CZ		Latvia	LV		Slovakia	SK
	Denmark	DK		Lithuania	LT		Finland	FI
	Germany	DE		Luxembourg	LU		Sweden	SE
	Estonia	EE		Hungary	HU		United Kingdom	UK
	Ireland	IE		Malta	MT			
	Greece	EL		Netherlands	NL		Iceland	IS
	Spain	ES		Austria	AT		Liechtenstein	LI
	France	FR		Poland	PL		Norway	NO
	Croatia	HR		Portugal	PT		Switzerland	CH

2. Sources: CARE (Community database on road accidents), EUROSTAT, ITF-IRTAD, National sources.

The full glossary of definitions of variables used in this Report is available at: [http://ec.europa.eu/transport/road\\_safety/pdf/statistics/cadas\\_glossary.pdf](http://ec.europa.eu/transport/road_safety/pdf/statistics/cadas_glossary.pdf)

3. Data available in September 2016.

4. Average annual change is calculated with the power function between the first and last years:

[aac = (b/a)<sup>1/n</sup>-1, where aac: annual average change, a: first year value, b: last year value, n: number of years].

5. Explanation of symbols in Tables:

n/a: not available

"-": not applicable (e.g. calculation cannot be performed)

6. This 2016 edition of Road Safety Country Overviews updates the previous version produced in 2012 within the EU co-funded research project [DaCoTA](#).

7. Disclaimer

This report has been produced by the National Technical University of Athens ([NTUA](#)), the Austrian Road Safety Board ([KFV](#)) and the European Union Road Federation ([ERF](#)) under a contract with the [European Commission](#). Whilst every effort has been made to ensure that the information presented in this report is relevant, accurate and up-to-date, the Partners cannot accept any liability for any error or omission, or reliance on part or all of the content in another context.

Any information and views set out in this report are those of the author(s) and do not necessarily reflect the official opinion of the Commission. The Commission does not guarantee the accuracy of the data included in this study. Neither the Commission nor any person acting on the Commission's behalf may be held responsible for the use that may be made of the information contained therein.

8. Please refer to this Report as follows:

*European Commission, Road Safety Country Overview - Belgium, European Commission, Directorate General for Transport, September 2016.*



[www.erso.eu](http://www.erso.eu)