



Road Safety Country Overview





Structure and Culture

Basic Data

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

Basic data of Belgium	EU average
- Population: 11,311 million inhabitants (2016)[2]	18,2 million (2016)
- Area: 30.528 km ² (2015)[2]	159.678 km ² (2015)
(0,82% water) (2015)[4]	2,94% water (2015)
- Climate and weather conditions (capital city; 2015) [3]:	(2015)
Average winter temperature (Nov. to April): 5,5°C	5,1°C
- Average summer temperature (May to Oct.): 15,5°C	16,6°C
- Annual precipitation level: 805 mm	691,5 mm
- Exposure: 100.306 million vehicle km (2015) [1]	168.260 million vehicle km (2015)
- 0,57 vehicles per person (2015) [2]	0,57 (2015)
Sources: [1] IRTAD: [2] FUROSTAT: [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: 371,8 inhabitants/km ²	114 inhabitants/km²
(2015) [2]	(2015)
- Population composition (2015) [2]	
17,0% children (0-14 years)	15,6% children
65,0% adults (15-64 years)	65,5% adults
18,0% elderly (65 years and over)	18,9% elderly (2015)
- Gross Domestic Product (GDP) per capita:	
€36.271 (2015) [2]	€27.198 (2015)
- 97,9% of population lives inside urban area	72,6% (2015)
(2015)[4]	72,0 % (2013)
- 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	



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 it primary role is to advice the Minister for Mobility and Transport.

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

able 3: Key actors per fu	
Key functions	Key actors
 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 Wallor 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 Wallor 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 (DG01) (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, entreprises, etc.
7. Enforcement of road traffic laws	 Federal Police Local Police Regional authorities for certain competences Federal Ministry of Justice
8. Other relevant actors ources: OECD/ITF; national sources;	- Belgian Road Safety Institute IBSR - Transportation Research Institute (IMOB – Hasselt University)

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



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

Table 4: Road safety attitudes and behaviour of drivers			
	Belgium	ESRA average	
Self-reported driving behaviour		vers that show r at least once	
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%	
Supporting stricter legislation		rs that disagree ne following	
What do you think about the current traffic rules and penalties in your country for each of the following themes?: The penalties are too severe: for speeding	65%	61%	
What do you think about the current traffic rules and penalties in your country for each of the following themes?: The penalties are too severe: alcohol	91%	87%	
Do you support the following measure?: Zero tolerance for alcohol (0,0‰) for all drivers	45%	41%	
Perceived probability of being checked	,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	s with answers in ng categories	
In the past 12 months, have you been stopped by the police for a check? (once or more)	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)? (Very (big) chance)	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)? (once or more) Source: ESRA 2016	17%	19%	

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

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



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

		aree, carge or recigions
	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, 2017)

Road infrastructure

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

2013.4		
Road type	General speed limits for passenger cars (km/h)	
Urban roads	30/50	
Rural roads	70/90	
Motorways	120	
Source: EC DG-Move, 2017		

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
- 20 km/h in residential areas
- 30km/h near schools and in streets with cycle paths
- Guidelines and strategic plans for infrastructure are not available in Belgium. Infrastructure management is highly decentralised.

(Sources: EC DG-Move, 2016; IRTAD, 2016)

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:
- Since 2016, hard shoulders on some motorways can be opened to traffic as an additional lane during rush hour.
- Since 2014, alternate merging is mandatory in case of congestion.
- Since 2016, at some intersections, cyclists are allowed to turn right on red.

(Source: IRTAD, 2017)

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 ¹ levels:	
General population: 0,5‰Novice drivers: 0,5‰Professional drivers: 0,2‰	0,5% (61%) 0,2% (39%) and 0,0% (36%) 0,2% (36%) and 0,0% (36%)
Phoning:	,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
- Hand held: not allowed - Hands free: allowed	Not allowed (all countries) Allowed (all countries)
Use of restraint systems:	
Driver: obligatoryFront passenger: obligatoryRear passengers: obligatoryChildren: obligatory	Obligatory (all countries) Obligatory (all countries) Obligatory (all countries) Obligatory (all countries)
Helmet wearing:	
Motor riders: ObligatoryMoped riders: ObligatoryCyclists: Obligatory [2]	Obligatory (all countries) Obligatory (all countries) Not obligatory (43%)
- A demerit point system is in place. [3]	

Sources: [1] EC DG-Move, 2017; [2] IRTAD, 2017; [3] WHO, 2013

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

¹ 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)Other groups: none	Compulsory (43%)
Driving licences thresholds [2,3]:	
 Passenger car: 18 years Motorised two wheeler: 16 years for AM category; 18 years for A1 category; 20 years for A2 category; 24 years for A category Buses and coaches: 21 years Lorries and trucks: 21 years 	18 years (82%) 16 years for low categories (68%) and 18 years for higher categories (64%) 21 years (89%) 21 years (71%)

Sources: [1] ROSE25, 2005; [2] EC website, 2017; [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)		
Organisation:			
 Regional authorities Federal states and other organisations in charge of federal competences NGO, associations, entreprises, etc 			
Main themes:			
 Drink-driving Seat-belts Speeding Young drivers Children Motorcyclist campaign Novice drivers Distraction Fatigue Seasonal behaviour 	Drink-driving (96%) Speeding (86%) Seat-belt (79%)		
Sources: IRTAD, 2017; national sources			

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

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

Road Safety Country Overview - BELGIUM

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]	2015 [2]	Average annual change	EU average
Motorways	120 km/h	123 km/h	0,2%	n/a
Rural roads	88,3 (90km/h) 78,1 (70 km/h)	97,3 (90 km/h) 88,0 (70 km/h)	-0,9% (90 km/h) 1,1% (70 km/h)	n/a
Urban roads [2]	54,7 (50 km/h)* 51.9 (30 km/h)*	48,5 (50 km/h)	-1,1% (50 km/h)	n/a

Sources: [1] ETSC, 2010; [2] IRTAD, 2017

*Data from 2007

Alcohol

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

Measure	2007 [1]	2015 [1]	Average annual change	EU average (2015) [2]
Amount of tests/1.000 population	n/a	n/a	-	209
% tested over the limit	2,0%	2,7%	3,8%	2,2%

Sources: [1] IRTAD, 2017; [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.

In Belgium, front seat-belt wearing rates are at EU average, while rear seat wearing rates are higher.

Vehicles

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

	<u> </u>
Vehicles	EU average
Cars per age group (2015):	Passenger cars (2015)
- <2 years: 21%	<2 years: 10,5%
- 2 to 5 years: 23%	2 to 5 years: 12,5%
- 5 to 10 years: 29%	6 to 10 years: 26,0%
- >10 years: 27%	>10 years: 51,0%
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% ²
C [1] E 2017 [2] ETCC 2016	

Sources: [1] Eurostat, 2017; [2] ETSC, 2016

Protective systems

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

Protective systems	EU average³
Daytime seat-belt wearing in cars and vans (2015) [1]:	(2016)
 92% front 91,5% driver 92,2% front passenger 85,5% rear 89,0% child restraint systems⁴ 	not available 91,6% driver 92,4% front passenger 70,9% rear not available
Helmet use (2006) [2]:	
99% motor riders (2005)94% moped riders34% cyclists	not available

Sources: [1] IRTAD, 2017; [2] Vis & Eksler, 2008

² Based on data of 25 EU countries (excl. HR, LU and MT).

³ Based on data of 17 EU countries; data of AT, DE, IE, IT, LT, FI, SE (2016); data of BE, CZ, HU, LU, PL, SI (2015); data of DK, HR, UK (2014); data of PT (2013)

⁴ only 35% of children are correctly restrained, i.e. right system & correct use (IRTAD, 2017)

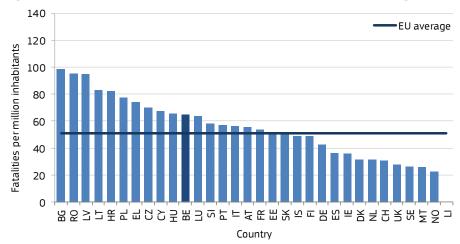


Road Safety Outcomes

General positioning

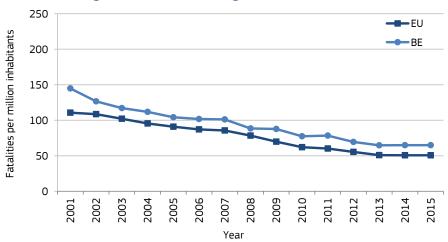
The fatality rate of Belgium is a bit higher than the EU average (around 65 fatalities per million population in 2015). Since 2001, the Belgian fatality rate and the EU average rate have shown similar developments.

Figure 1: Fatalities per million inhabitants in 2015 with EU average



Sources: CARE, Eurostat

Figure 2: Development of fatalities per million inhabitants between 2001 and 2015 for Belgium and the EU average



Sources: CARE, Eurostat

The fatality rate of Belgium is higher than the EU average; the development was similar to the EU average between 2001 and 2015.



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 2015 was only 3%, it was 7% for car occupants and 9% for mopeds. In the same period, the annual reduction rates of pedestrian and cyclist fatalities were 4% and 3% respectively.

Table 19: Reported fatalities by mode of road transport in Belgium

compared to the EU average

Transport mode	2001	2015	Average annual change	Share in 2015	EU average (2015)
Pedestrians	158	92	-4%	13%	21%
Car occupants	899	361	-7%	49%	46%
Motorcyclists	147	100	-3%	14%	15%
Mopeds	63	19	-9%	3%	3%
Cyclists	130	83	-3%	11%	9%
Bus/coach occupants	9	4	-6%	1%	0%
Lorries or truck occupants	76	53	-3%	7%	5%

Sources: CARE, national sources

Age, gender and nationality

Table 20: Reported fatalities by age, gender and nationality in Belgium

versus the EU average

versus the Lo aver	uge				
Age and gender	2001	2015	Average annual change	Share in 2015	EU average (2015)
Females					
0-14 years	28	11	-7%	2%	1%
15 - 17 years	11	6	-5%	1%	1%
18 – 24 years	59	20	-8%	3%	3%
25 – 49 years	140	50	-8%	7%	6%
50 - 64 years	46	30	-3%	4%	4%
65+ years	97	62	-3%	9%	10%
Males					
0-14 years	35	8	-11%	1%	1%
15 – 17 years	35	11	-9%	2%	2%
18 - 24 years	222	81	-7%	11%	11%
25 – 49 years	492	217	-6%	30%	29%
50 - 64 years	146	109	-2%	15%	16%
65+ years	167	122	-2%	17%	17%
Nationality of kill	led person				
National	n/a	605	n/a	83%	n/a
Non-national	n/a	93	n/a	13%	n/a

Sources: CARE, national sources

Belgium has a similar share of road fatalities by age and gender to the EU average.

13% of all fatalities are nonnationals.



Location

Fatalities 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	2015	Average annual change	Share in 2015	EU average (2015)
Built-up areas	453	224	-5%	31%	37%
Rural areas	841	395	-6%	54%	54%
Motorways	192	108	-4%	15%	8%
Junctions	357	107	-9%	15%	20%

Sources: CARE, national sources

Fatalities on motorways are over-represented in Belgium.

Lighting and weather conditions

Table 22: Reported fatalities by lighting and weather conditions in Belgium

compared to the EU average

Conditions	2001	2015	Average annual change	Share in 2015	EU average (2015)
Lightning conditions					
During daylight	735	401	-5%	55%	52%
During night-time	663	274	-7%	37%	31%
Weather conditions					
While raining	252	89	-8%	12%	9%

Sources CARE, national sources

Single vehicle accidents

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

Accident Type	2001	2015	Average annual change	Share in 2015	EU average (2015)	
Single vehicle accidents	600	255	-7%	35%	29%	

Sources: CARE, national sources

Under-reporting of casualties

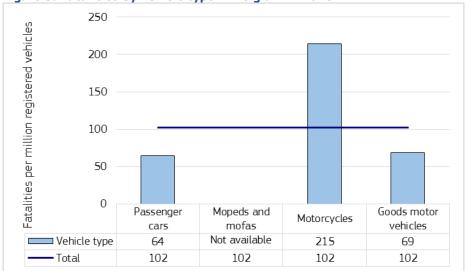
- Fatalities: 100%, due to improvements of the data recording systems.
- Hospitalised: no studies with quantitative information exist.

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



Risk Figures

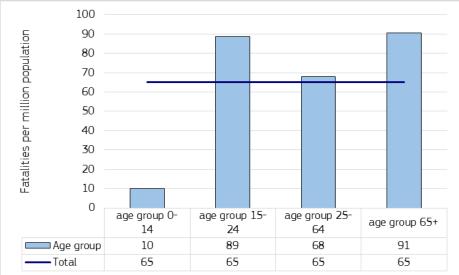
Figure 3: Fatalities by vehicle type in Belgium in 2015



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

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

Figure 4: Fatalities per million inhabitants in Belgium in 2015



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 (VSL⁵ 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
Belgium	2.178.000	330.400	21.300
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
EU average	1.870.000	243.100	18.700

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

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

⁵ Value of Statistical Life



Synthesis

Safety position

- The fatality rate of Belgium is a bit higher than the EU average (around 65 fatalities per million population in 2015).

Scope of problem

- A large number of fatalities are car occupants, followed by motorcyclists and pedestrians. The share of cyclist fatalities is a bit higher than the EU average.
- Fatalities on motorways are over-represented in Belgium.
- The costs per injury type are estimated to be higher than the EU average.

Recent progress

- A steady decrease in road fatalities is observed in Belgium between 2001 and 2015.
- A significant annual decrease was recorded with regard to the number of child fatalities during 2001-2015.

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.



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Notes

1. Country abbreviations



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

- 3. Data available in September 2017.
- 4. Average annual change is calculated with the power function between the first and last years:

[aac = $(b/a)^{1/n}$ -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 2017 edition of Road Safety Country Overviews updates the previous version produced in 2012 within the EU co-funded research project <u>DaCoTA</u>.

7. Disclaimer

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8. Please refer to this Report as follows:

European Commission, Road Safety Country Overview - Belgium, European Commission, Directorate General for Transport, September 2017.



