Road Safety Country Overview October 2012

Cyprus





Structure and Culture

Basic data

Table 1: Basic data of Cyprus in relation to the European average. (Sources: [1] OECD/ITF, 2011; [2] Eurostat; [3] DG-TREN, 2005; [4] CIA; [5] national sources)

Basic data of Cyprus	European average
Population: 0.8 million inhabitants (2010)[5]	17.1 million (2010 ¹) [1,2]
 Area: 9 300 km² (2010) (0.1% water) (2010) 	156 225 km² (2010) [1,3] 3% water (2010) [4]
 Climate and weather conditions (capital city; 2010): Average winter temperature (Nov. to April): 21°C Average summer temperature (May to Oct.): 26°C Annual precipitation level: 366 mm 	(2010) 6°C 16°C 747 mm
Exposure: data on vehicle km not available 0.9 million vehicles (2010)	168 billion vehicle km (2010 ⁱⁱ) [1] 12 million vehicles (2010 ⁱⁱⁱ) [1.2]
- 1.1 motorised vehicle per person (2010)	0.7(2010 ^{1, 111}) [1,2]

Cyprus has a warm and dry climate and low population density.

Country characteristics

Table 2: Characteristics of Cyprus in comparison to the European average. (Sources: [1] OECD/ITF, 2011; [2] Eurostat [3] national sources)

Characteristics of Cyprus	European average
 Population density: 87 inhabitants/km² (2010) 	110 inhabitants km ² (2010)
	[1,2,3]
Population composition (2009)[3]:	
17% children (0-14 years),	16% children,
70% adults (15-64 years),	67% adults,
13% elderly (65 years and over)	17% elderly (2009 ^{iv}) [1,2]
 Gross Domestic Product (GDP) per capita: €18 900 	€26 100 (2010) [1,2]
(2010)	
 54% of population lives inside urban area (year) 	42% (2010 ^v) [1,2]
 Special characteristics: in Cyprus, traffic drives on the left 	
hand side of the road.	



Based on 30 European countries; data of HU = 2009.

^v Based on 29 European countries (excl. IS).



^{II} Based on 15 European countries (excl. BG, CY, EE, EL, ES, HU, IT, LT, LU, LV, MT, PL, PT, RO, SK); data of CZ, IE, SE, NO (2009); data of AT, BE, DK (2008); Data of UK (2006); data of NL (2003).

Based on 28 European countries (excl. CY and LT); data of EL, IT, PL, PT and UK = 2009; data of BE, EE, ES, RO and NO = 2008; data of IE = 2007; data of MT and SK (2002).

^{iv} Based on 27 European countries (excl. LT, NO, PL); data of BE, UK (2008).

- Structure of road safety management
- Policy making is centralized in Cyprus.

The following key-actors are responsible for road safety (RS) management:

Table 3: Key actors per function in Cyprus. (Sources: DG-TREN, 2005; 2010; notional synapte)

national experts)			
Key functions	Key actors		
 1. Formulation of national RS strategy Setting targets Development of the RS programme 	 Ministry of Communications and Works: responsible for road safety. Road Safety Council: lead agency dealing with road safety. Road Safety Unit (part of Ministry of Communication and Works): acts as the executive, administrative and managerial tool of the Road Safety Council. 		
2. Monitoring of the RS development in the country	Road Safety Unit.		
3. Improvements in road infrastructure	Ministry of Communications and Works (Department of Public Works).		
4. Vehicle improvement	Ministry of Communications and Works (Department of Road Transport).		
5. Improvement in road user education	 Ministry of Communications and Works (Department of Road Transport): driver training. Ministry of Education and Culture: road safety education. 		
6. Publicity campaigns	Road Safety UnitCyprus Traffic Police		
7. Enforcement of road traffic laws	Ministry of Justice and Public OrderCyprus Traffic Police.		
8. Other relevant actors	 The Ministry of Health: responsible for emergency medical care; The Cyprus Radio Foundation, the Cyprus Scientific Technical Chamber, the Cyprus Safety and Health Association: involved in the Road Safety Council; The Cyprus Youth Organisation, the Automobile Association, the Association of Cyprus Insurance Companies; Research: the University of Cyprus. 		

The Road Safety
Council is the lead
agency dealing with
road safety in
Cyprus.



- Attitudes towards risk taking
- Cypriote drivers admit to dangerous behaviours more often than others, especially too close following and inappropriate overtaking.
- The perceived probability of being checked is higher as for drivers in other countries. For speeding, this is even more than twice as high.
- There is somewhat more support for stricter legislation than in other countries.

Table 4: Road safety attitudes and behaviour of drivers (Source: SARTRE, 2004)

	Cyprus	SARTRE average
Self-reported driving behaviour % of drivers that show behave		
	often or more	
Too close following	25%	9%
Inappropriate overtaking	15%	5%
Exceeding speed limit on motorways	29%	25%
Exceeding speed limit on main inter-urban roads	22%	18%
Exceeding speed limit on country roads	19%	13%
Exceeding speed limit in built-up areas	13%	8%
Support of stricter legislation	% of drivers to	hat support stricter
	legislation	
Higher penalties for speeding offences	69%	60%
Higher penalties for drink-driving offences	88%	88%
Lower BAC levels	10%	8%
Perceived probability of being checked	% of drivers t	hat believe that
	probability is	high
Speeding	40%	18%
		9%

Cypriote drivers admit to dangerous behaviours more often than drivers in other countries.

Legend

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

2-9% better

10-19% better

 \geq 20% better

2-9% worse

10-19% worse

≥ 20% worse







Cyprus follows the -50% reduction aim of casualties in 2020, formulated by the EC.





Programs and measures

National strategic plans and targets

- The latest RS plan (2012-2020) of Cyprus was approved in 2012.
- Targets (related to casualties in 2010):

Table 5: Road safety targets for Cyprus

Year	Fatalities + serious injuries
2020	-50%

- Priority topics (of the RD plan 2005-2010):
- Develop dedicated safety strategies for PTWs, pedestrians and cyclists;
- o Promote 30 km/h zones in residential areas;
- o Reinstall the system of safety cameras;
- Introduce restrictions to novice drivers;
- o Raise road safety awareness of overseas nationals living in Cyprus;
- Upgrade the coordination and road safety management mechanisms;
- Promote road safety research.

(Sources: DG-TREN, 2005; 2010; ETSC, 2012; national experts)

Road infrastructure

Table 6: Description of the road categories and their characteristics in Cyprus (Source: TiS PT 2003)

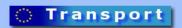
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Road type	Speed limit (km/h)
Urban roads	50
Rural roads	80
Motorways	100

- Special rules for:
 - Light motorcycles (A1): no information
- Guidelines and strategic plans for infrastructure are available in Cyprus.

Table 7: Obligatory parts of infrastructure management in Cyprus and other European countries. (Sources: DG-TREN, 2010: national sources)

Obligatory parts in Cyprus:	European countries with obligation
Safety impact assessment: no	-
Road safety audits: no	50%
Road safety inspections: yes	60%
Black spot treatment: yes	47% ^{vi}

vi Based on data of 18 countries (excl. AT, BE, CH, CZ, FI, FR, HU, IE, MT, NO, RO, SE).



- Recent infrastructural actions have been addressing:
 - Traffic calming schemes,
 - Improving pedestrian facilities,
 - Improving black spots.

Traffic laws and regulations

Table 8: Description of the regulations in Cyprus in relation to the most common regulations in other European countries. (Sources: [1] DG-TREN, 2005; [2] national

sources; [3] DG-TREN, 2010)

Regulations in Cyprus	Most common in Europe (% of countries)
Allowed BAC level: 0.5%;	0.5‰ (60%)
Novice drivers: 0.5‰;	0.5‰ and 0.2‰ (both 30%)
Professional drivers: 0.5‰. [2]	0.5% (30%) [1,2]
Phoning:	
 Hand held: prohibited 	Not allowed (97%) [2,3]
 Hands free: allowed [2] 	-
Use of restraint systems:	
 Driver: obligatory 	Obligatory (all countries)
 Front passenger: obligatory 	Obligatory (all countries)
 Rear passenger: obligatory 	Obligatory (all countries)
Children: obligatory [2]	Obligatory on all seats (73%) [2,3]
Helmet wearing:	
 Motor riders: obligatory 	Obligatory (all countries)
 Moped riders: obligatory 	Obligatory (all countries)
Cyclists: not obligatory [2]	Recommended (25% vii) [2,3]
 A demerit point system is in place [3] 	

Enforcement

Table 9: Effectiveness of enforcement effort in Cyprus according to an international respondent consensus (scale = 0-10) (Source: DG-TREN, 2010)

Issue	Score for Cyprus	Most common in Europe (% of countries)
Speed legislation enforcement	6	7 (35%)
Seat-belt law enforcement	7	7 (43%) ^{viii}
Child restraint law enforcement	2	6 (27% ^{ix})
Helmet legislation enforcement	3	9 (39% ^{ix})

Regulations in Cyprus are similar to regulations in most European countries.

The effectiveness of enforcement on most issues is assessed as quite low in Cyprus and needing improvement.



vii Based on data of 24 countries (excl. CH, CY, HU, LU, NO, PT).

ix Based on data of 22 countries (excl. DE, DK, IE, IS, LU, NL, RO and UK).



viii Based on data of 23 countries (excl. DE, DK, IE, IS, LU, NL and UK).

Table 10: Performance of enforcement effort in Cyprus according to an international respondent consensus (scale = is good, is improving, needs to do more) (Source: **DG-TREN**, 2010)

Issue	Score for Cyprus	Most common in Europe (% of countries)
Speeding	need to do more	Is improving (50%)
Drink driving	is improving	Is improving (79%) ^x
Seat belt use	need to do more	Is improving (52% ^{xi})

Road user education and training

Table 11: Road user education and training in Cyprus, compared to the situation in other European countries. (Sources: [1] ROSE25, 2005; [2] ETSC, 2011; [3] national sources)

Election and training in Comme	Mark Commission to House Commission
Education and training in Cyprus	Most common in Europe (% of countries)
General education programmes:	
 Primary school: part of the curriculum when practical. 	Compulsory (65% ^{xii})
 Secondary school: compulsory within Health Education 	Compulsory (50% ^{xiii}) [1,2]
 Other groups: no information 	-
Driving licences thresholds:	
 Passenger car: 18 	18 years (79%)
- Motorised two wheeler: 18 (21)	18 years (low categories) and higher ages for faster vehicles (66%)
Busses and coaches:21Lorries and trucks: 21	21 years (76%) ^{xiv} 21 years (79% ^{xv}) [2,3]

education is integrated in the curriculum of schools in Cyprus.

Road safety

Public campaigns

Table 12: Public campaigns in Cyprus, compared to the situation in other European countries. (Sources: SUPREME, 2007; national sources)

Campaigns in Cyprus	Most common issues in Europe (% of countries)
Organisation:	
 Road Safety Unit; 	
 Cyprus Traffic Police. 	
Main themes:	
Drink-driving,	Drink-driving (83%)
Seat-belt (rear),	Seat-belt (73%)
- Speeding,	Speeding (53%)
 Education of school children, 	-
 Use of helmets. 	-



Based on data of 24 countries (excl. BG, CH, IS, NO, PL and RO).

xv Based on data of 28 countries (excl. IE and NO).



xii Based on data of 25 countries (excl. BG, CH, IS, NO and RO). xii Based on data of 26 countries (excl. BG, CH, NO and RO).

xiii Based on data of 24 countries (excl. BG, CH, MT, NO, RO and SK).

xiv Based on data of 29 countries (excl. NO).

Vehicle inspections are mandatory in Cyprus, but there is no information on the periodicity.



 Since 2000, technical inspection is obligatory in Cyprus for passenger cars, buses or coaches and lorries or trucks.

Table 13: Developments of vehicles and technology in country, compared to the situation in other European countries. (Sources: TiS.PT, 2003; national sources)

Mandatory technical inspections	Most common in Europe (% of countries)					
Passenger cars: no information	Every 12 months (41%)					
Motor cycles: no information	Every 12 months (35%)					
Busses or coaches: no information	Every 12 months (41%)					
Lorries or trucks: no information	Every 12 months (41%) ^{xvi}					



xvi Based on data of 17 countries (excl.BG, CH, CY, CZ, EE, HU,LT, MT, NO, RO, SI, SK).





Mean speed is close to the speed limit in Cyprus.

The amount of alcohol test has increased in Cyprus, and the % of offenders has decreased between 2006 and 2008.



Road Safety Performance Indicators

Speed

Table 14: Number of speed checks in Cyprus versus the European average (Source: ETSC, 2010)

Measure	2006	2008	% change	European average (2008)
Number of tests/1000 population	Not available	Not available	Not available	90.8 ^{xvii}

Table 15: Percentage of speed offenders per road type in Cyprus compared to the European average (Source: ETSC, 2010)

Road type	2001	2010	Average annual change	European average
Motorways	Not available	Not available	Not available	Not available
Rural roads	Not available	Not available	Not available	Not available
Urban roads	Not available	Not available	Not available	Not available

Table 16: Mean speed per road type in Cyprus compared to the European average (Source: national sources)

(Source: Hational Sources)							
Road type	2001	2010	Average annual change	European average			
Motorways	Not available	99 km/h (slow lane) 113 km/h (fast lane)	Not available	Not available			
Rural roads	Not available	86 km/h	Not available	Not available			
Urban roads	Not available	48 km/h	Not available	Not available			

Alcohol

Table 17: Road side surveys for drink-driving in Cyprus compared to the European average (Source: national sources)

Measure	2006	2008	% change	European average (2008)
Number of tests/1000 population	90	182	102%	145.8 ^{xviii}
% tested over the limit	6.2%	5.9%	-5%	Not available

Based on data of 17 countries (excl. BE, BG, CH, CZ, DE, IS, LU, LV, MT, NL, RO, SK and UK.).



Based on data of 21 countries (excl. BE, CH, DE, EE, IE, IS, MT, PT and UK).

The vehicle fleet is slightly older than the European average.

Front seat-belt use is on the level of the European average; rear seat-belt wearing is much lower than average in Cyprus.

Vehicles

Table 18: State of the vehicle fleet in Cyprus compared to the European average (Source: ETSC, 2009)

Vehicle fleet in Cyrus	European average
Cars per age group (2009):	Passenger cars (2009) ^{xix}
 9 ≤ 2 years, 	12% ≤ 2 years,
- 19% 2 to 5 years,	19% 2 to 5 years,
- 29 % 6 to 10 years,	27 % 6 to 10 years,
- 43% > 10 year.	42% >10 years
EuroNCAP occupant protection score of cars (new cars	
sold in 2008):	
 5 stars: no information 	49%
 4 stars no information 	35%
 3 stars no information 	6%
 2 stars no information 	1%xx

Protective systems

Table 19: Protective system use in Cyprus versus the average in Europe (Source: Vis & Eksler, 2008; national sources)

Use of protective systems in Cyprus	European average
 Daytime seat belt wearing in cars and vans: 	(2007)
- 85.1% front (2010),	85% front ^{xxi} ,
- 85.4% driver	Not available
 No information on % front passenger 	Not available
- 21% rear (2009),	60% rear ^{xxII} ,
 No information on % child restraint systems 	Not available
- Helmet use:	
 No information on % motor rides, 	Not available
 No information on % moped riders, 	Not available
- 68% motorised two wheelers	-
 No information on % cyclists 	Not available



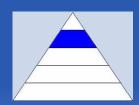
xix Based on data of 22 countries (excl. BG, DK, EL, FR, IS, MT, PT and SK).

Based on data of 22 countries (excl. CY, EL, ES, IS, IT, LT, RO and SK); data of BE, CH, DK, IE, MT, NL (2006); data of HU, NO, PT (2005); data of LU (2003).



xx Based on data of 27 countries (excl. CY, IS and MT).

xxi Based on data of 25 countries (excl. AT, EL, IS, LT and RO); data of SK (2008); data of BE, CH, DK, IE, MT, NL (2006); data of HU, IT, NO, PT (2005); data of LU (2003)



Cyprus has a higher than average number of fatalities per million inhabitants, but last years, this number is decreasing faster than average.

Road Safety Outcomes

General positioning

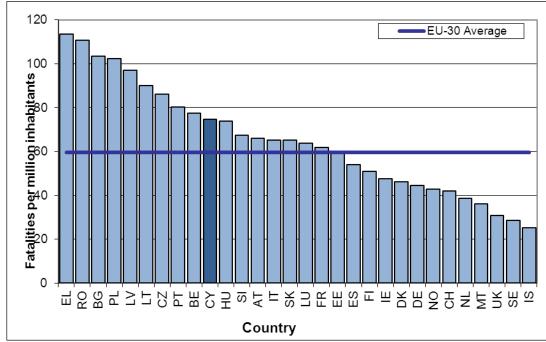


Figure 1: Fatalities per million inhabitants (2010). (Source: CARE, Eurostat).

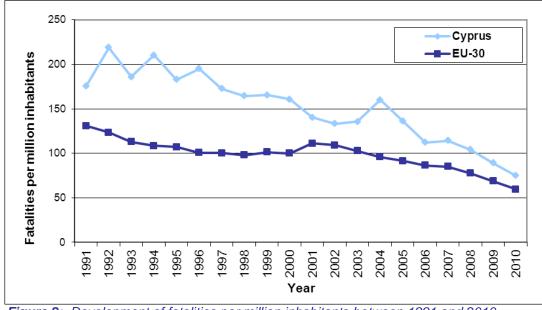


Figure 2: Development of fatalities per million inhabitants between 1991 and 2010. (Source: CARE, Eurostat).



Motorcyclists and pedestrians fatalities are over-represented in Cyprus, but car occupants have a much lower share in Cyprus than on average in Europe.

Middle aged men have the highest share of fatalities in Cyprus, higher than the European average.

70% of fatalities in Cyprus occur inside built-up areas, which is much more than the European average.



Transport mode

Table 20: Reported fatalities by mode of road transport in Cyprus compared to the European average of the last year available (Source: CARE, national sources).

Transport mode	2001	2010	Average annual change	% in 2010	European average (2009 ^{xxiii})
Pedestrians	21	13	-2.1%	22%	18%
Car occupants	36	17	-6.6%	28%	47%
Motorcyclists	9	16	16.6%	27%	13%
Mopeds	9	3	-2.8%	5%	2%
Cyclists	1	2	33.3%	3%	5%
Bus/coach occupants	1	0	-100.0%	0%	<1%
Lorries or truck occupants	1	1	12.5%	2%	4%

Age, gender and nationality

Table 21: Reported fatalities by age, gender and nationality in Cyprus versus the European average of the last year available (Source: CARE, national sources).

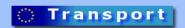
Age and gender	2001	2010	Average annual change	% in 2010	European average (2009 ^{VIII})
Females					24%
0-14 years	1	1	-30.0%	2%	1%
15 – 17 years	1	0	-37.5%	0%	1%
18 – 24 years	1	1	20.4%	2%	4%
25 – 49 years	8	1	-1.3%	2%	7%
50 – 64 years	1	2	33.1%	3%	3%
65+ years	9	5	0.7%	8%	7%
Males					75%
0-14 years	0	3	-16.7%	5%	2%
15 – 17 years	7	2	35.9%	3%	2%
18 – 24 years	24	11	-4.7%	18%	13%
25 – 49 years	29	26	0.4%	43%	31%
50 – 64 years	6	5	27.3%	8%	12%
65+ years	11	6	2.7%	10%	12%
Nationality of driver or					
National	13	12	15.3%	20%	Not available
Non-national	5	6	11.3%	10%	Not available

Location

Table 22: Reported fatalities by location in Cyprus compared to the European average of the last year available (Source: CARE, national sources). Motorways and junctions are part of built-up and rural areas.

Location	2001	2010	Average annual change	% in 2010	European average (2009 ^{VIII})
Built-up areas	61	42	-1.5%	70%	33%
Rural areas	37	18	-4.3%	30%	49%
Motorways	12	8	2.6%	13%	5%
Junctions	26	17	-1.0%	28%	12%

xxiii Based on data of 28 countries (excl. NO, LT); data of FR, IE, MT, SE (2008).



In Cyprus more fatal crashes are single vehicle crashes and happen during night time than the European average.

· Lighting and weather conditions

Table 23: Reported fatalities by lighting and weather conditions in Cyprus compared to the European average of the last year available (Source: CARE, national sources).

Conditions	2001	2010	Average annual change	% in 2010	European average (2009 ^{xxiv})	
Lightning conditions	Lightning conditions					
During daylight	49	28	-3.1%	47%	55%	
During nighttime	49	32	-4.1%	53%	39%	
Weather condition						
While raining	2	8	80.5%	13%	10%	

Single vehicle crashes

Table 24: Reported fatalities by type in Cyprus compared to the European average of the last year available (Source: CARE, national sources).

Crash type	2001	2010	Average annual change	% in 2010	European average (2009 ^{VIIIxxv})
Single vehicle crash	52	32	-4.7%	53%	40%

Under-reporting of casualties

- Fatalities: 100% (2009). This amount is suspected since adequate alternative registration systems are missing for a check.
- Hospitalised: no information.

(Source: CARE)



xxiv Based on 25 countries (excl. IE, IT, LT, NO, SI); data of AT, BE, DK, EE, FI, FR, MT, SE (2008).

xxv Based on 27 countries (excl. IE, LT, NO); data of AT, BE, DK, EE, FI, FR, MT, SE (2008).



As in other countries, young and elderly people have the highest risks of dying in a crash in Cyprus.

Risk figures

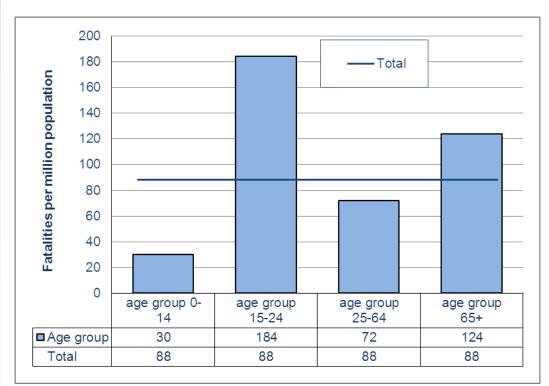
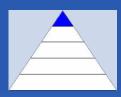


Figure 3: Fatalities by number of inhabitants in the country in 2010 (Sources: CARE, OECD/ITF, 2011).







There is no information about the costs associated with road safety in Cyprus



- Total costs of road crashes: no information.
- Percentage of GDP: no information.

Table 25: Cost (in million Euro) per injury type in Cyprus versus the European average (Source: Bickel et al., 2006).

Injury type	Value	European average ^{xxvi}
Fatal	n.a.	1.28
Hospitalised	n.a.	0.18
Slightly injured	n.a.	0.02



xxvi Based on data of 20 countries (excl. BG, DE, FI, FR, HU, IS, LT, NO, RO and SK).





Enforcement on most road safety issues needs improvement in Cyprus, as is also reflected by the quite low helmet and rear seat-belt wearing rates.

Synthesis

Safety position

 Cyprus is one of the slightly worse than average performing countries in the EU.

Scope of problem

- Motorcyclists and pedestrians are over-represented in road accident fatalities in Cyprus, but car occupants have a much lower share in Cyprus than on average in Europe.
- Middle aged men have the highest share of fatalities in Cyprus, higher than the European average.
- More than 2/3 of all fatalities occur inside urban areas, which is more than double than the EU average.
- In Cyprus more fatal crashes are single vehicle crashes and happen during night time than the European average.
- Helmet wearing rates are relatively and Cypriot drivers self-report inappropriate behaviour slightly more often than other European drivers.
 Also rear seat-belt wearing is much lower than average in Cyprus. This may be due to the low effectiveness of enforcement on most issues in Cyprus, which needs improvement.

Recent progress

 Fatalities have decreased by 40% overall in the last decade, which is better than the average decrease in Europe.

Remarkable road safety policy issues

- Road safety inspections and black spot treatment are obligatory in Cyprus.
- Road safety education is integrated in the curriculum of schools in Cyprus.







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