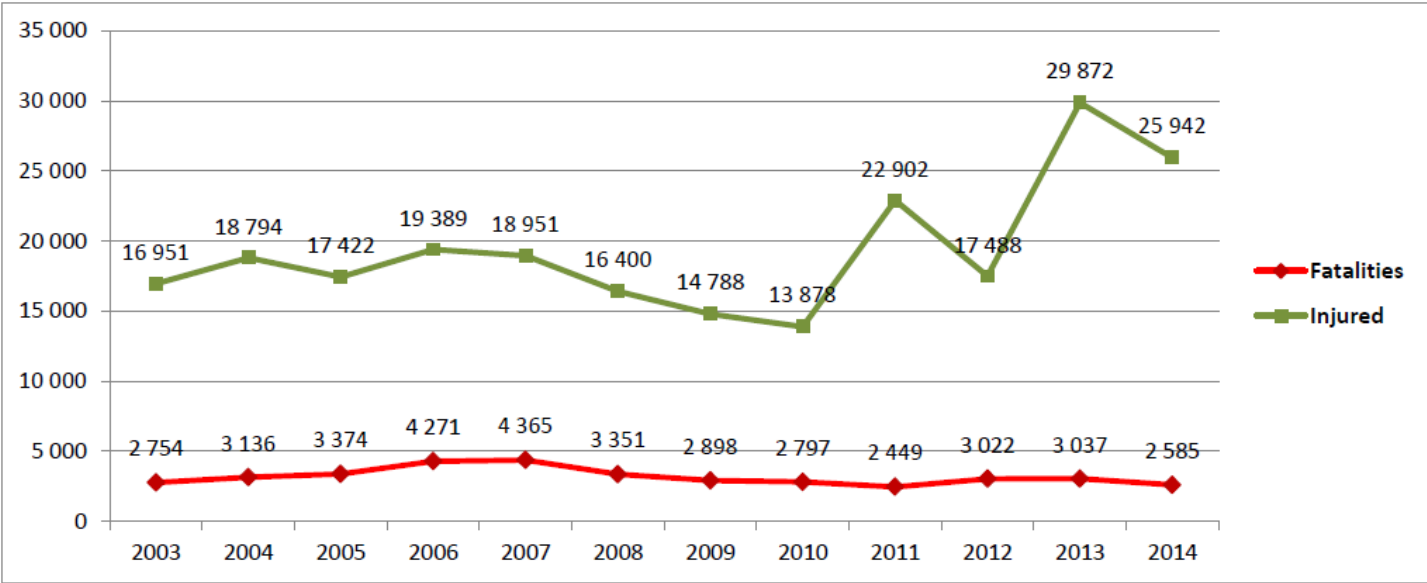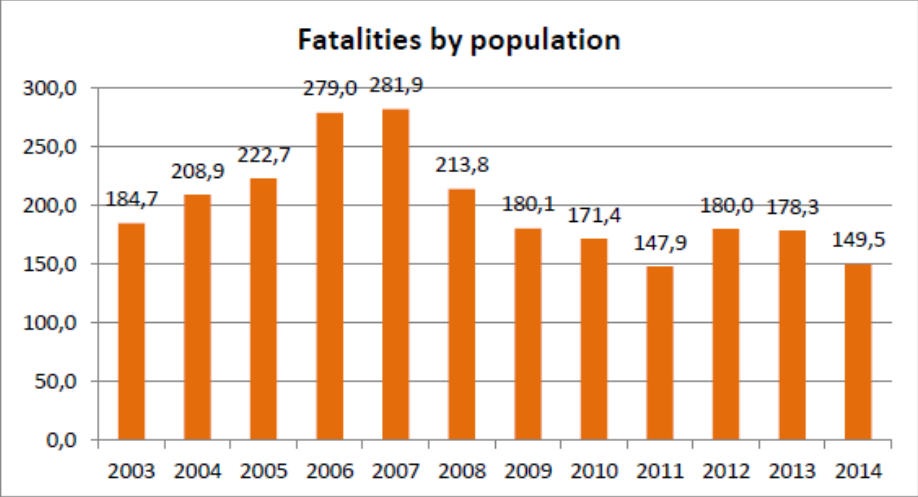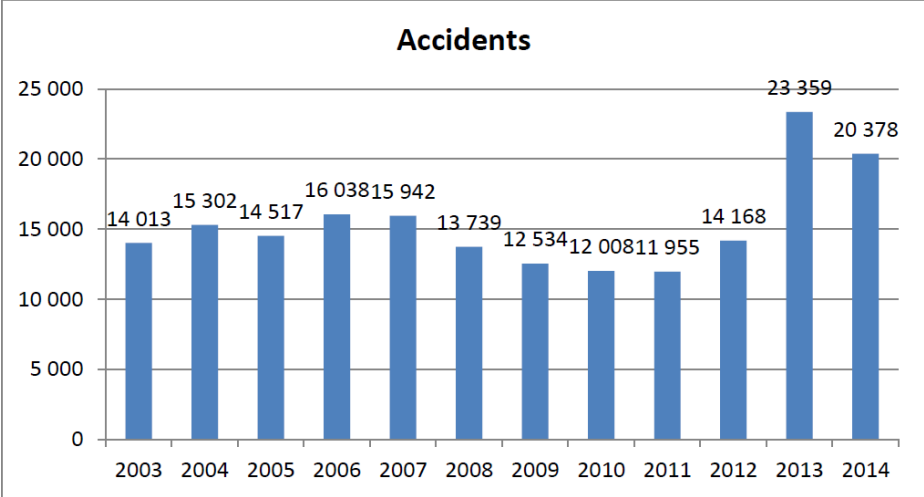# CURRENT PROBLEMS OF ROAD TRAFFIC SAFETY FOR TWO-WHEELERS IN THE REPUBLIC OF KAZAKHSTAN AND THE WAYS TO SOLVE THEM
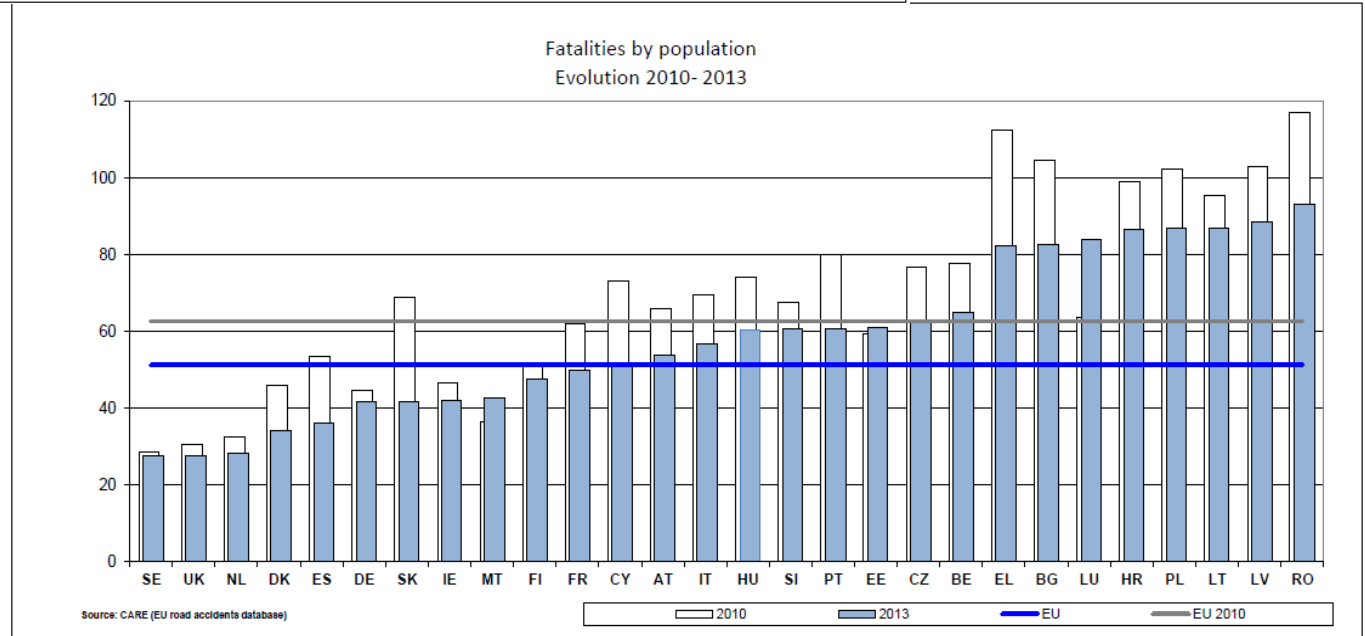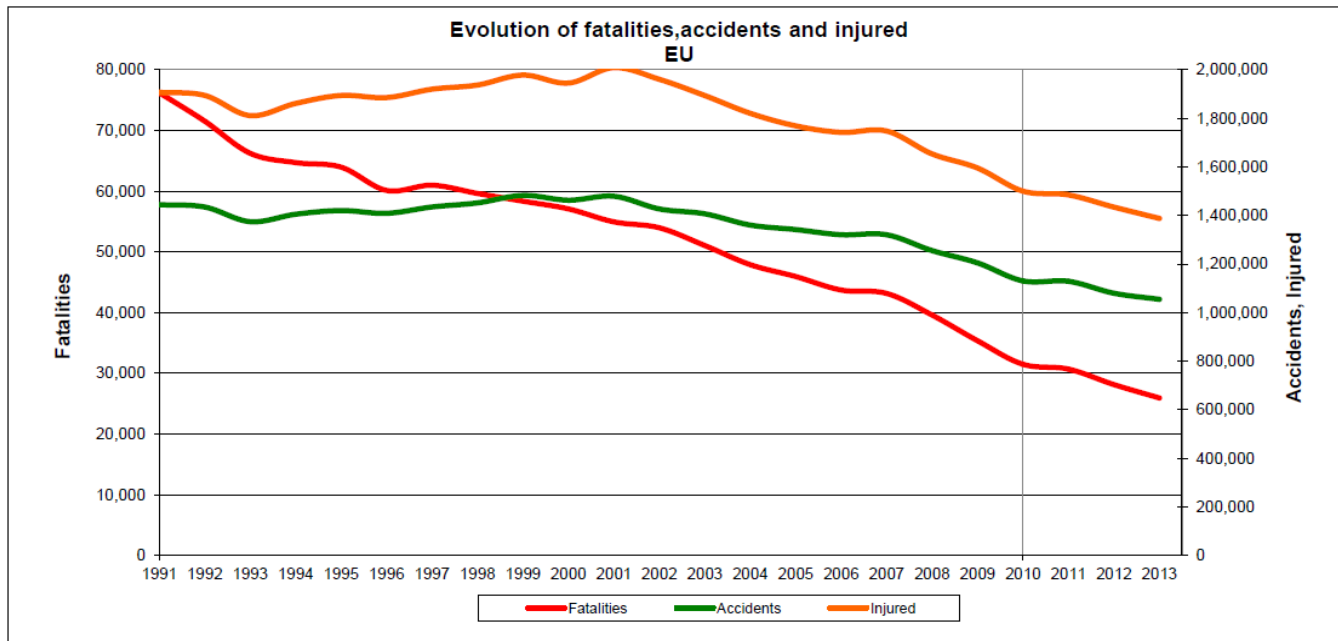
M. M. BEKMAGAMBETOV

President, Research and Development Institute of Transport and Communications,

Kazakhstan

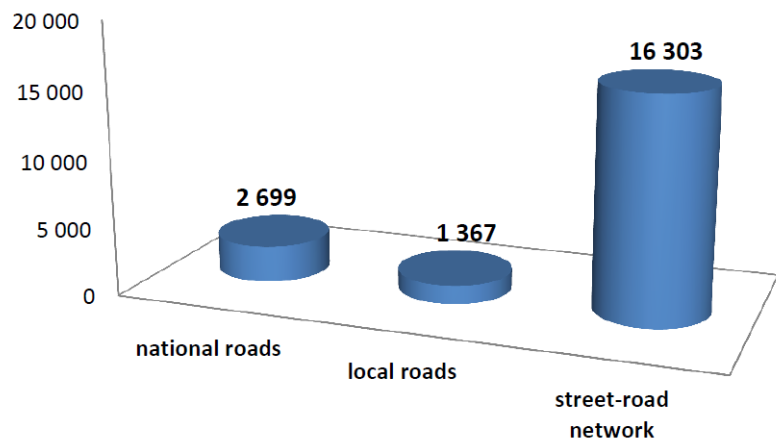# Road safety evolution in Kazakhstan, 2003-2014

Accidents

Year	Accidents
2003	14 013
2004	15 302
2005	14 517
2006	16 038
2007	15 942
2008	13 739
2009	12 534
2010	12 008
2011	11 955
2012	14 168
2013	23 359
2014	20 378

Fatalities by population

Year	Value
2003	184,7
2004	208,9
2005	222,7
2006	279,0
2007	281,9
2008	213,8
2009	180,1
2010	171,4
2011	147,9
2012	180,0
2013	178,3
2014	149,5

Year	Fatalities	Injured
2003	2 754	16 951
2004	3 136	18 794
2005	3 374	17 422
2006	4 271	19 389
2007	4 365	18 951
2008	3 351	16 400
2009	2 898	14 788
2010	2 797	13 878
2011	2 449	22 902
2012	3 022	17 488
2013	3 037	29 872
2014	2 585	25 942

Source : Ministry of National Economy of the Republic of Kazakhstan Committee on Statistics

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Evolution of fatalities, accidents and injured
EU

Fatalities by population
Evolution 2010- 2013

Source: CARE (EU road accidents database)

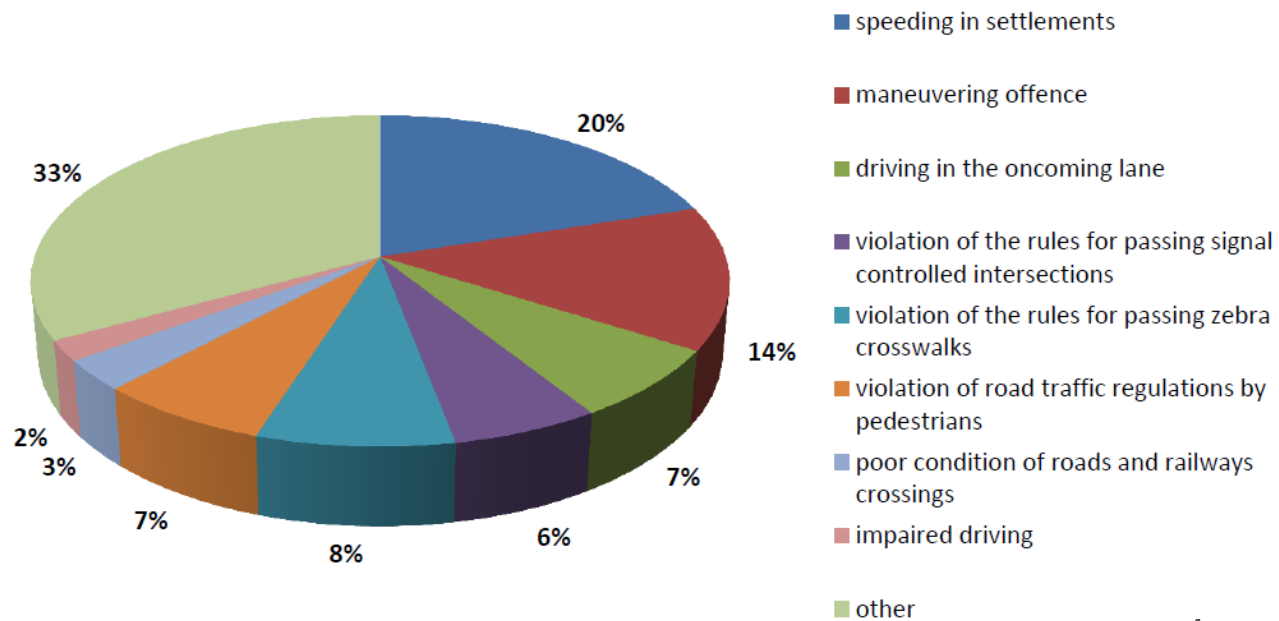**Source : CARE (EU road accidents database) or national publications**
European Commission / Directorate General Energy and Transport

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Distribution of road accidents by place, 2014

Distribution of road accidents by type of traffic violations

- speeding in settlements — 20%
- maneuvering offence — 14%
- driving in the oncoming lane — 7%
- violation of the rules for passing signal controlled intersections — 6%
- violation of the rules for passing zebra crosswalks — 8%
- violation of road traffic regulations by pedestrians — 7%
- poor condition of roads and railways crossings — 3%
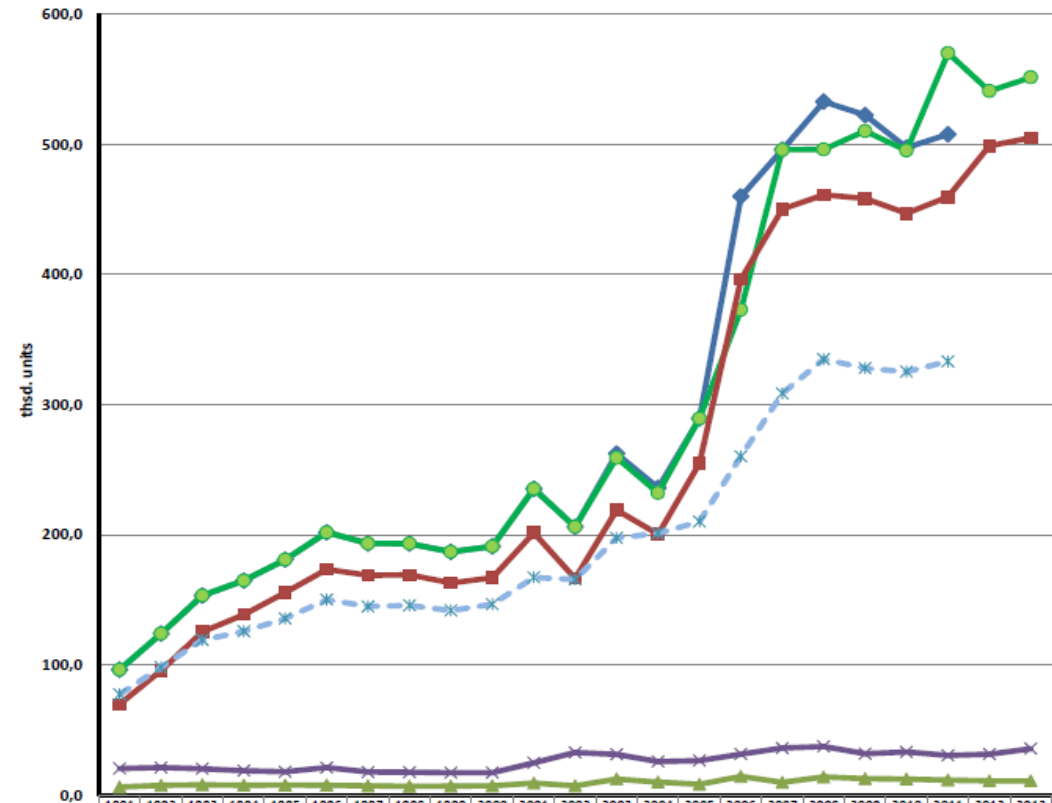- impaired driving — 2%
- other — 33%

4

Changes of population and vehicle fleet in Almaty Evolution 1991-2013

Number of population
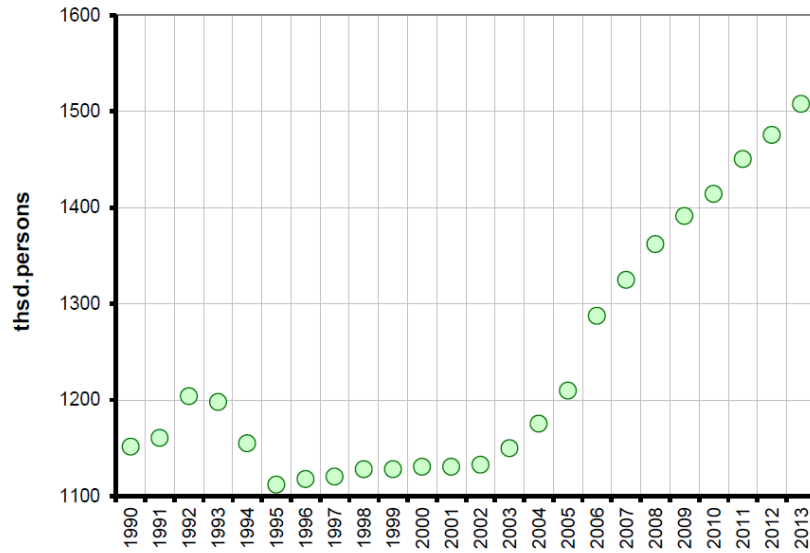
Number of vehicles

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total (data of the bodies of internal affairs)	96,2	124,0	153,2	164,7	180,9	201,9	193,3	193,1	186,8	191,0	235,2	206,0	262,2	236,0	289,3	459,9	495,8	532,8	522,5	497,5	507,7		
Total (data of the Committee on Statistics)	96,2	124,0	153,2	164,7	180,9	201,9	193,3	193,1	186,8	191,0	235,2	206,0	259,1	232,1	289,3	372,9	495,7	496,2	510,2	495,3	570,2	541,1	551,5
cars	69,7	95,7	125,3	138,7	155,4	173,4	168,7	169,1	163,0	166,9	201,5	166,4	218,9	200,4	254,8	396,3	450,2	461,3	458,4	446,9	459,7	498,9	505,2
lorries	20,3	21,0	20,2	18,6	17,8	21,0	17,6	17,5	17,1	17,0	24,6	32,6	31,2	25,7	26,4	31,4	36,0	37,2	31,7	33,0	30,4	31,4	35,6
buses	6,1	7,3	7,7	7,5	7,6	7,4	7,0	6,6	6,8	7,0	9,1	7,1	12,2	9,8	8,1	14,2	9,6	13,8	12,5	12,2	11,4	10,8	10,8
Total drivable vehicles	77,2	98,1	119,1	125,7	135,5	150,1	144,8	145,6	141,7	146,5	167,2	165,5	197,5	201,1	210,1	260,2	308,6	334,9	327,9	325,3	333,2		

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900 households:

- bicycles
- motorcycles and mopeds
- cars
- commercial vehicles
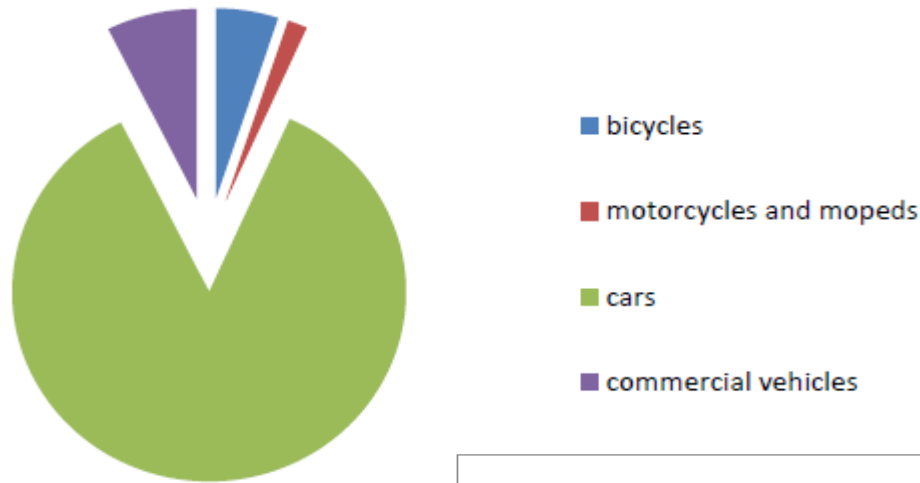
Almaty residents' preferences

type of trips

on foot	1,0%
by bicycle	0,3%
by motorcycle / moped	0,2%
as vehicle driver	34,2%
as vehicle passenger	10,8%
by taxi	11,7%
by public transport	34,8%
as public transport and vehicle passenger	0,2%
by public transport and taxi	6,6%
as vehicle and taxi passenger	0,3%
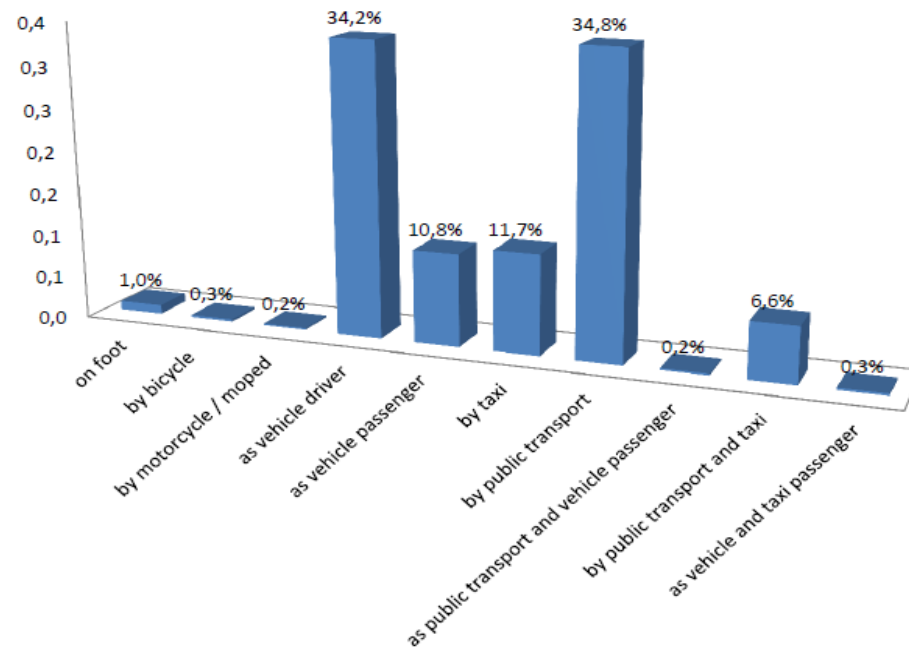
Distribution of road accidents caused by participants

- caused by drivers
- the fault of pedestrians

8%

92%
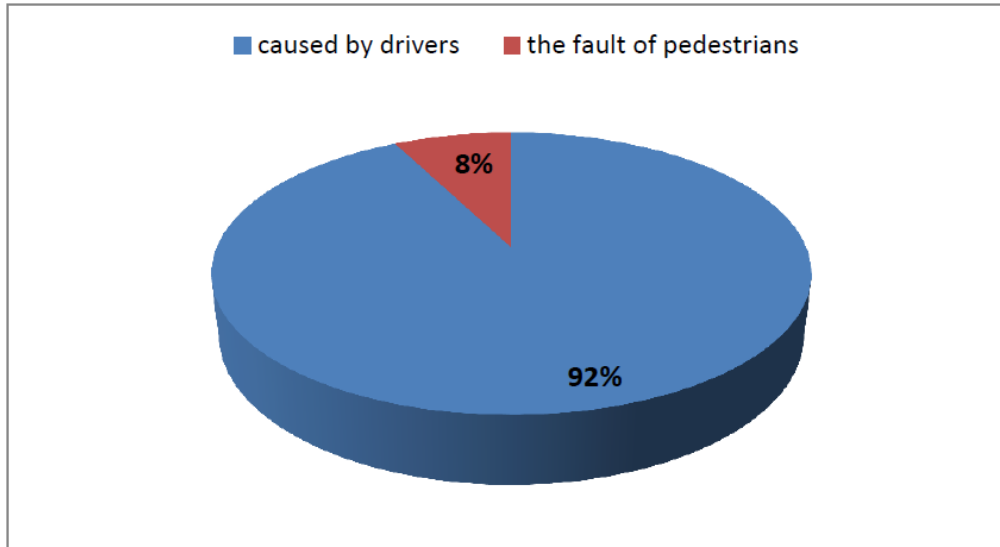
Distribution of road accidents caused by drivers by type of vehicle

18%

3%

3%

3%

73%

- cars
- lorries
- two-wheelers
- buses
- unidentified vehicle drivers

7
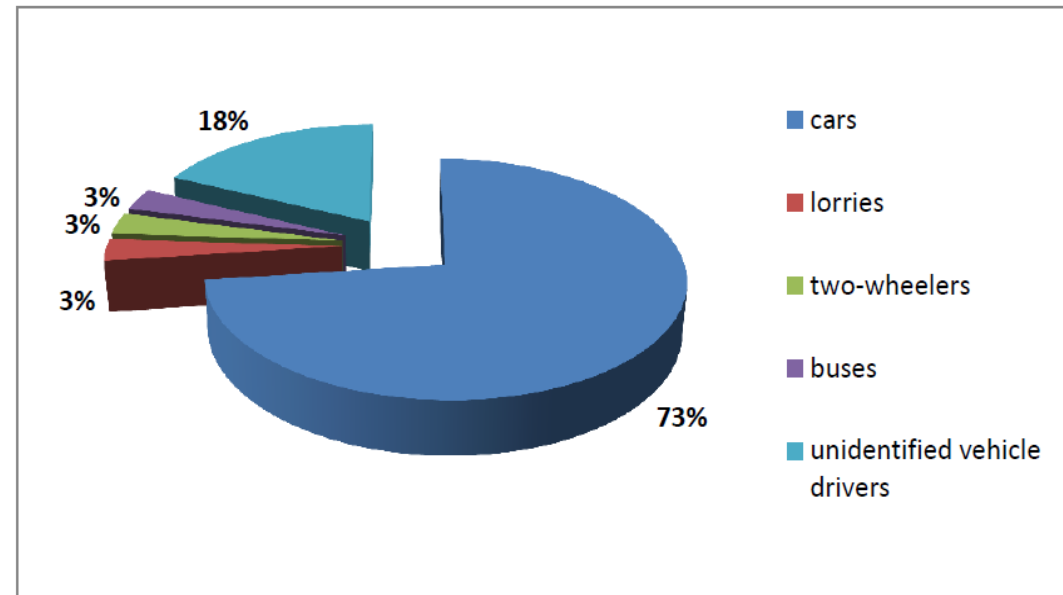
Law of the RoK "On Road Traffic" dated April 17, 2014

Decree of the Government of RoK # 1196 "On Approval of the Rules of road traffic; the Main Provisions on adoption of vehicles to Operation; and the List of the operational and special services which transport be entitled to outfit of special flash lights and sounds signals and the painting by especial colour design schemes" dated November 13, 2014

motorcycles and mopeds with a maximum design speed of more than 50 km/h shall be registered with the Authority;

no person shall ride a moped on a road unless he or she has reached the age of sixteen years and is in possession of a valid driving licence (Category A1);

no person shall drive a motorcycles on a road unless he or she has reached the age of eighteen years and is in possession of a valid driving licence (Category A);

mopeds and bicycles with a maximum design speed of not more than 40km/h shall not be used on highway;

no person shall ride a motorcycle without wearing a helmet, securely fitted and fastened on the rider's head.

mopeds and bicycles shall not be used for transportation of passengers

ANNUAL BIKE RIDE IN ALMATY

Exploring the Use of Road Safety legal Instruments to Address Powered Two-Wheeler Safety policies in low – middle income countries, Palais des Nations, Geneva , 23rd March 2015

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Thank you for your attention!

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