

INTERNATIONAL COMPARISONS FOR ROAD DEATHS



Contents

Tables

Page

Table 1	International Comparison of Death Rates	152
Table 2	Type of Road Users Killed	154
Table 3	Deaths per 100,000 Population by Age Group	155
Table 4	Percentage of Deaths by Age Group	156
Table 5	Deaths per 100,000 Population by Year	158
Table 6	Deaths per 10,000 Vehicles by Year	159
Table 7	Percentage of Deaths by Road Category	161

Figures

Figure 1A	International Comparison of Deaths per 100,000 Population	153
Figure 1B	International Comparison of Deaths per 10,000 Vehicles	153
Figure 2	Age Distributions for Selected Countries	157
Figure 3	2006 Death Rates Compared to 1996 Rates	160

Notes

1. The data in this section are derived from data submitted to the OECD International Road Traffic and Accident Database maintained by Bundesanstalt für Strassenwesen, Germany. Only countries that contribute to the database are included in this section.

Table 1
International Comparison of Death Rates

Country	Year	Population (Thousand)	Vehicles (Thousand)	Vehicles per capita	Road deaths	Deaths per 100 000 population	Deaths per 10 000 vehicles
AUSTRALIA	2006	20701	14359	0.69	1598	7.7	1.1
AUSTRIA	2006	8282	5339	0.64	730	8.8	1.4
BELGIUM	2006	10511	6251	0.59	1069	10.2	1.7
CANADA	2006	31613	19737	0.62	2892	9.2	1.5
CZECH REPUBLIC	2006	10251	4951	0.48	1063	10.4	2.1
DENMARK	2006	5429	2554	0.47	306	5.6	1.2
FINLAND	2006	5256	2975	0.57	336	6.4	1.1
FRANCE	2006	61538	37476	0.61	4709	7.7	1.3
GERMANY	2006	82438	54910	0.67	5091	6.2	0.9
GREECE	2006	11125	6996	0.63	1657	14.9	2.4
HUNGARY	2006	10098*	3457	0.34*	1303	12.7*	3.8
ICELAND	2006	300	236	0.79	31	10.3	1.3
IRELAND	2005	4240	2139	0.50	396	9.3	1.9
ISRAEL	2006	7054	2176	0.31	414	5.9	1.9
ITALY	2005	57888*	43141*	0.75*	5426	9.7*	1.3*
JAPAN	2006	127766	82816	0.65	7272	5.7	0.9
LUXEMBOURG	2006	470	376	0.80	36	7.7	1.0
NETHERLANDS	2006	16358	8716	0.53	730	4.5	0.8
NEW ZEALAND	2006	4140	3124	0.75	391	9.4	1.3
NORWAY	2006	4640	3030	0.65	242	5.2	0.8
POLAND	2006	38125	18035	0.47	5243	13.8	2.9
PORTUGAL	2006	10570*	5481*	0.52*	969	11.8*	1.8*
SLOVAKIA	2005				560		
SLOVENIA	2006	2010	1167	0.58	263	13.1	2.3
SOUTH KOREA	2006	48497	18965	0.39	6327	13.1	3.3
SPAIN	2006	43984	28531	0.65	4104	9.3	1.4
SWEDEN	2006	9048	5205	0.58	445	4.9	0.9
SWITZERLAND	2006	7459	5108	0.68	370	5.0	0.7
UNITED KINGDOM	2006	60588	34207	0.56	3289	5.4	1.0
USA	2006	299398	251423	0.84	42642	14.2	1.7

NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.
Values marked with an * use at least some data from an earlier year.

Figure 1A
International Comparison of Deaths per
100 000 Population (2006)

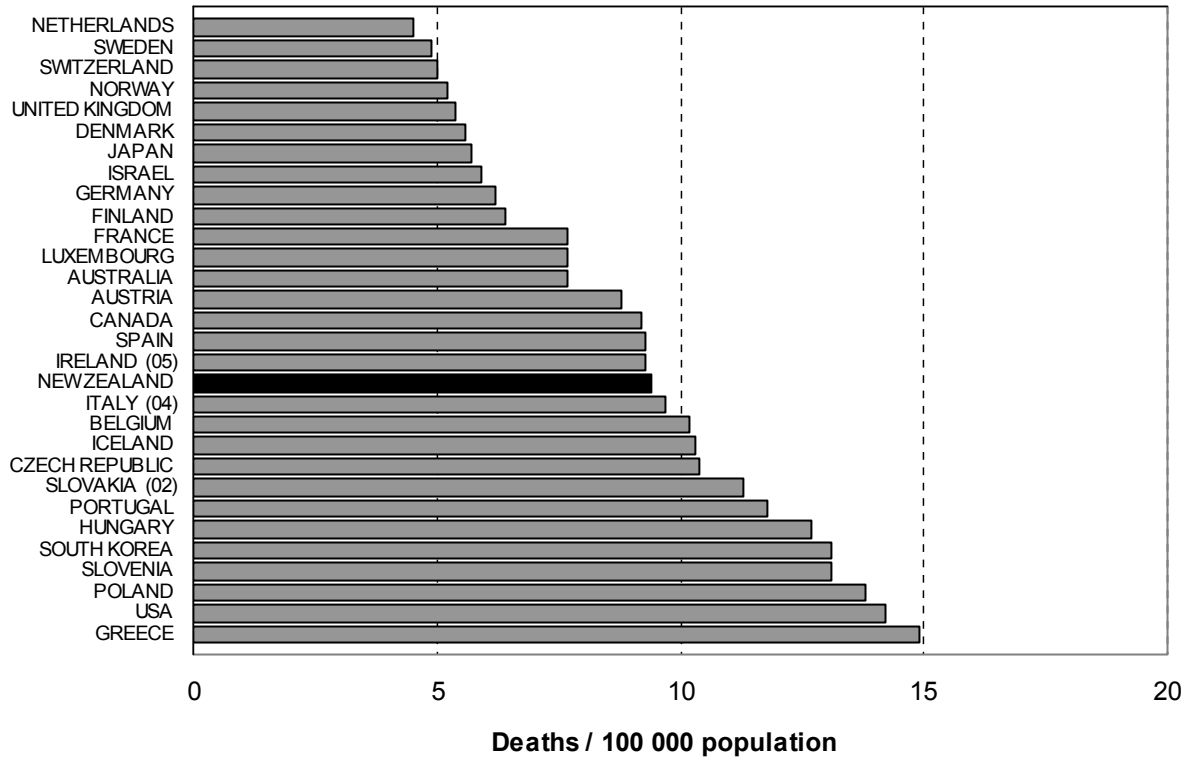


Figure 1B
International Comparison of Deaths per
10 000 Vehicles (2006)

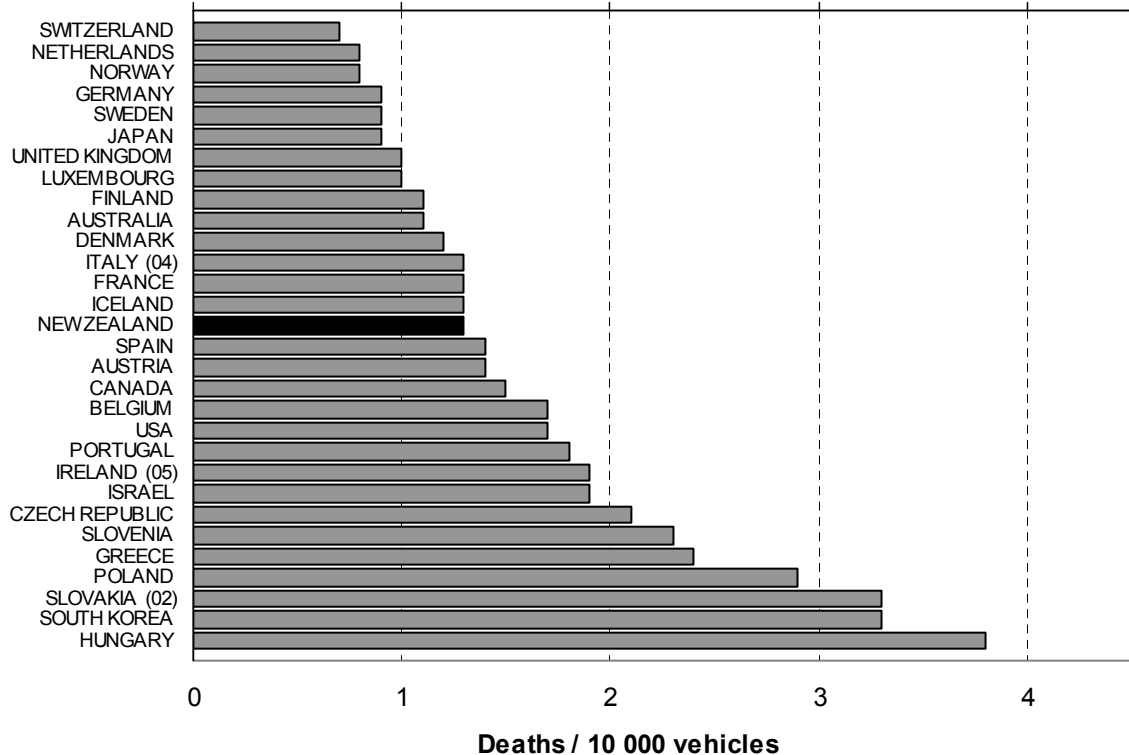


Table 2
Type of Road User Killed

Country	Year	Percentage of Deaths					Total number killed
		Vehicle Occupants #	Motorcyclists (including mopeds)	Pedestrians	Cyclists	Unknown	
AUSTRALIA	2006	68.4	15	14.2	2.4	0	1598
AUSTRIA	2006	60.0	18.4	15.1	6.6	0.0	730
BELGIUM	2006	60.7	15.5	11.4	8.5	3.8	1069
CANADA	2005	77.8	7.8	11.8	1.8	0.8	2925
CZECH REPUBLIC	2006	59.7	10.9	19.0	10.3	0.0	1063
DENMARK	2006	55.6	14.7	19.6	10.1	0.0	306
FINLAND	2006	65.8	11.0	14.6	8.6	0.0	336
FRANCE	2006	61.7	23.1	11.4	3.8	0.0	4709
GERMANY	2006	58.8	17.7	14.0	9.5	0.0	5091
GREECE	2006	52.4	30.2	16.1	1.3	0.0	1657
HUNGARY	2006	55.5	10.1	22.7	11.7	0.0	1303
ICELAND	2006	77.4	9.7	12.9	0.0	0.0	31
IRELAND	2005	64.6	14.1	18.7	2.5	0.0	396
ISRAEL							
ITALY							
JAPAN	2006	35.5	17.8	32.5	14.3	0.0	7272
LUXEMBOURG							
NETHERLANDS	2006	48.6	16.8	9.0	24.5	1.0	730
NEW ZEALAND	2006	76.7	9.7	11.3	2.3	0.0	391
NORWAY	2006	66.9	15.3	14.5	3.3	0.0	242
POLAND	2006	51.7	4.2	34.4	9.7	0.0	5243
PORTUGAL	2006	55.6	24.1	16.1	4.1	0.0	969
SLOVAKIA							
SLOVENIA	2006	60.5	20.5	13.7	5.3	0.0	263
SOUTH KOREA	2006	37.6	19.1	38.6	4.7	0.0	6327
SPAIN	2006	64.0	19.2	14.9	1.8	0.0	4104
SWEDEN	2006	66.1	15.7	12.4	5.8	0.0	445
SWITZERLAND	2006	48.4	21.6	20.5	9.5	0.0	370
UNITED KINGDOM	2006	56.0	18.6	21.2	4.5	0.0	3289
USA	2006	75.1	11.0	11.2	1.8	0.6	42642

NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.

Includes 'other' road users ie those that do not fit in any other category.

Table 3
Deaths per 100,000 Population by Age Group

Country	Year	Age Group in Years							All ages
		0 to 14	15 to 24	25 to 34	35 to 44	45 to 54	55 to 64	Over 64	
AUSTRALIA	2006	1.9	15.7	10.1	7.9	5.9	6.1	8.5	7.7
AUSTRIA	2006	1.8	16.1	8.4	8.5	8.7	8.2	11.3	8.8
BELGIUM	2006	1.8	17.0	15.2	11.3	10.8	6.3	10.7	10.2
CANADA	2005	1.8	16.4	10.4	7.7	8.4	9.0	11.5	9.1
CZECH REPUBLIC	2006	2.1	14.9	11.5	11.6	11.0	9.3	11.9	10.4
DENMARK	2006	1.3	13.9	4.9	4.7	4.9	3.9	8.8	5.6
FINLAND	2005	2.3	10.6	9.4	6.4	6.9	5.4	11.0	7.2
FRANCE	2006	1.2	16.2	9.7	7.1	6.7	5.4	8.9	7.7
GERMANY	2006	1.2	12.2	7.3	5.4	5.7	4.8	7.3	6.2
GREECE	2006	2.3	26.0	22.1	15.0	11.7	9.2	15.9	14.9
HUNGARY									
ICELAND									
IRELAND	2005	1.0	21.5	10.7	7.2	5.9	8.1	12.0	9.3
ISRAEL	2006	2.3	9.8	5.8	3.6	6.2	6.0	11.9	5.9
ITALY									
JAPAN	2006	0.9	6.5	3.7	3.2	3.9	5.9	12.3	5.7
LUXEMBOURG									
NETHERLANDS	2006	1.2	7.4	4.0	4.0	3.2	3.8	8.9	4.5
NEW ZEALAND	2006	2.9	16.9	9.1	9.5	9.1	6.6	13.8	9.4
NORWAY	2006	1.0	9.2	5.6	3.3	5.3	4.3	9.4	5.2
POLAND	2006	2.5	17.1	14.6	13.6	15.7	13.4	17.4	13.8
PORTUGAL	2005	1.9	19.8	14.3	12.9	11.2	10.9	12.3	11.8
SLOVAKIA									
SLOVENIA	2006	3.2	25.1	18.8	15.2	10.6	8.9	10.3	13.1
SOUTH KOREA	2006	3.1	8.3	8.8	11.1	15.7	22.5	37.7	13.1
SPAIN	2006	1.8	14.8	12.9	10.0	8.4	7.8	9.0	9.3
SWEDEN	2006	1.0	8.8	5.6	4.9	3.7	5.5	6.1	4.9
SWITZERLAND	2006	1.3	9.1	5.1	3.6	4.0	4.1	8.5	5.0
UNITED KINGDOM	2006	1.4	11.4	6.9	5.5	4.2	3.8	5.9	5.4
USA	2005	3.2	25.5	17.7	15.0	14.5	13.8	17.7	14.7

NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.

Table 4
Percentage of Deaths by Age Group

Country	Year	Age Group in Years							
		0 to 14	15 to 24	25 to 34	35 to 44	45 to 54	55 to 64	Over 64	Unknown age
AUSTRALIA	2006	4.9	28.4	18.3	15.1	10.5	8.6	14.2	0.1
AUSTRIA	2006	3.2	22.5	12.6	16.2	13.7	10.5	21.4	0.0
BELGIUM	2006	3.0	20.2	19.6	16.7	15.1	6.9	18.1	0.5
CANADA	2005	3.5	24.6	15.7	13.5	14.2	10.9	16.5	1.2
CZECH REPUBLIC	2006	3.0	18.9	18.7	15.1	15.0	12.1	16.3	0.9
DENMARK	2006	4.2	27.5	11.4	12.4	11.8	9.2	23.5	0.0
FINLAND	2006	1.5	26.2	12.5	11.6	13.1	14.0	21.1	0.0
FRANCE	2006	2.8	26.8	16.6	13.3	11.9	8.2	19.1	1.4
GERMANY	2006	2.7	23.3	14.1	14.7	13.5	9.1	22.7	0.0
GREECE	2006	2.2	20.8	22.8	15.3	10.7	6.9	19.7	1.6
HUNGARY									
ICELAND	2006	3.2	32.3	22.6	6.5	9.7	12.9	12.9	0.0
IRELAND	2005	2.3	34.3	19.4	11.4	7.8	8.3	14.1	2.3
ISRAEL	2006	11.1	27.1	15.0	7.2	11.4	8.2	20.0	0.0
ITALY									
JAPAN	2006	2.2	12.3	9.0	7.6	8.6	15.3	45.0	0.0
LUXEMBOURG									
NETHERLANDS	2006	5.1	19.9	11.2	14.1	10.4	10.5	28.8	0.0
NEW ZEALAND	2006	6.4	26.1	12.5	15.1	13.0	7.2	18.2	1.5
NORWAY	2006	3.7	21.9	14.5	9.5	13.6	9.5	26.4	0.8
POLAND	2006	2.9	19.9	16.6	12.6	17.7	10.7	17.0	2.8
PORTUGAL	2006	2.2	14.0	20.9	15.1	12.0	12.0	22.2	1.5
SLOVAKIA									
SLOVENIA	2006	3.4	24.3	21.7	17.5	12.5	8.0	12.5	0.0
SOUTH KOREA	2006	4.4	8.8	11.3	14.9	17.9	15.3	27.4	0.0
SPAIN	2006	2.8	18.1	23.3	17.5	12.0	9.0	16.3	1.1
SWEDEN	2006	3.6	22.2	14.4	13.9	9.7	14.8	21.3	0.0
SWITZERLAND	2006	4.3	21.6	13.5	11.9	11.4	10.0	27.3	0.0
UNITED KINGDOM	2006	4.5	27.8	16.7	15.4	10.0	8.4	17.4	0.0
USA	2006	4.2	25.2	16.8	14.9	14.6	9.8	14.1	0.4

NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.

Figure 2

Age Distribution of Road Deaths for Selected Countries

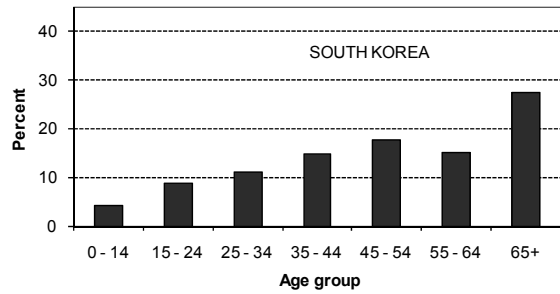
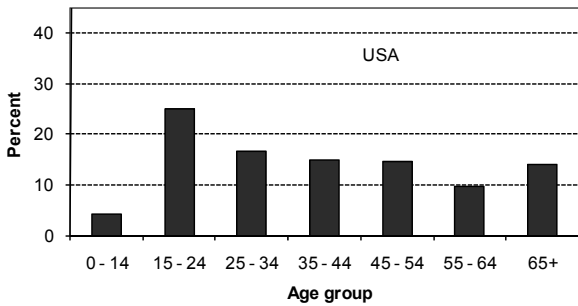
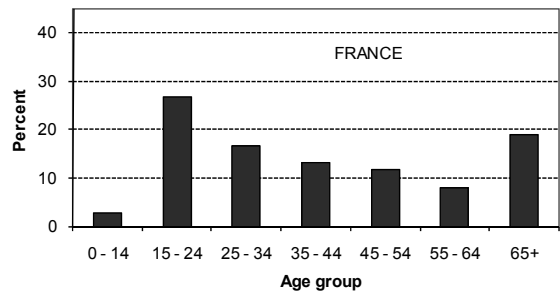
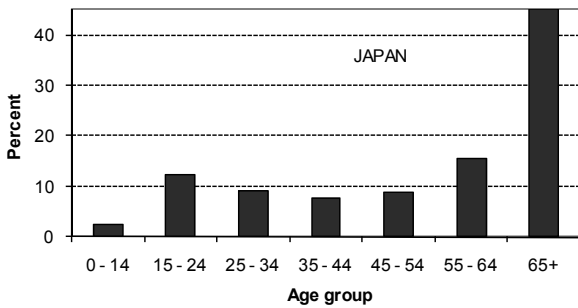
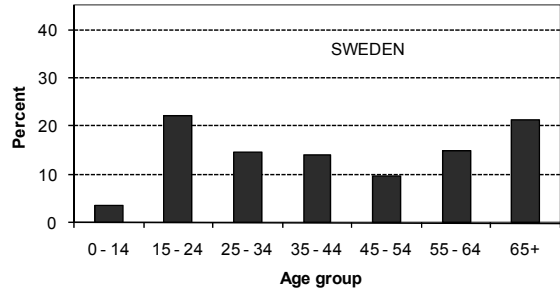
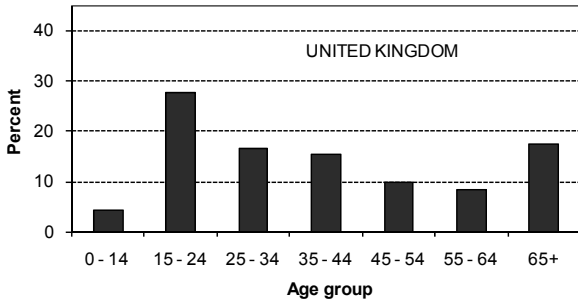
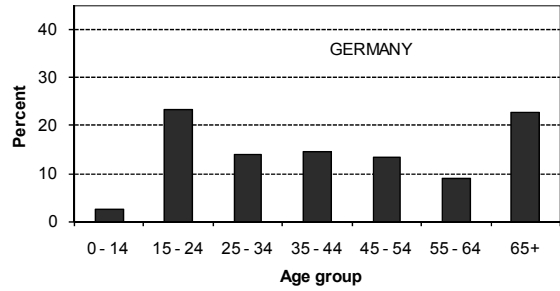
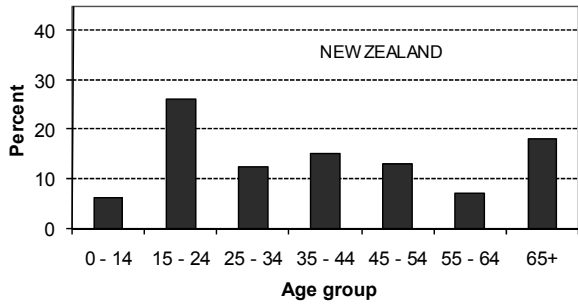


Table 5**Deaths per 100,000 Population by Year**

Country	Year										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
AUSTRALIA	10.8	9.5	9.4	9.3	9.5	9.0	8.7	8.2	7.9	8.0	7.7
AUSTRIA	12.9	13.9	12.1	13.5	12.2	11.9	11.8	11.5	10.7	9.3	8.8
BELGIUM	13.4	13.4	14.7	13.7	14.4	14.5	13.1	11.7	11.2	10.4	10.2
CANADA	10.4	10.2	9.7	9.8	9.5	8.9	9.3	8.7	8.5	9.1	9.2
CZECH REPUBLIC	15.2	15.5	13.2	14.1	14.5	13.0	14.0	14.2	13.5	12.6	10.4
DENMARK	9.8	9.3	9.4	9.7	9.3	8.1	8.6	8.0	6.8	6.1	5.6
FINLAND	7.9	8.5	7.8	8.4	7.7	8.4	8.0	7.3	7.2	7.2	6.4
FRANCE	14.7	14.4	15.2	14.4	13.6	13.8	12.9	10.2	9.3	8.8	7.7
GERMANY	10.7	10.4	9.5	9.5	9.1	8.5	8.3	8.0	7.1	6.5	6.2
GREECE	20.6	20.1	20.8	20.1	18.7	17.2	14.9	14.6	15.1	15.0	14.9
HUNGARY	13.4	13.7	13.5	12.9	12.0	12.2	14.0	13.1	12.8	12.7	
ICELAND	3.7	5.6	9.9	7.6	11.5	8.5	10.1	8.0	7.9	6.5	10.3
IRELAND	12.5	12.9	12.4	11.0	11.0	10.7	9.6	8.4	8.8	9.3	
ISRAEL	9.0	9.0	9.1	7.7	7.2	8.3	7.9	6.7	7.0	6.5	5.9
ITALY	11.7	11.7	11.9	11.5	11.5	11.6	11.8	10.6	9.7		
JAPAN	9.3	8.9	8.5	8.2	8.2	7.9	7.5	7.0	6.7	6.2	5.7
LUXEMBOURG	17.2	14.4	13.4	13.5	17.5	16.0	14.0	11.8	11.0	10.2	7.7
NETHERLANDS	7.6	7.5	6.8	6.9	6.8	6.2	6.1	6.4	5.0	4.6	4.5
NEW ZEALAND	13.8	14.4	13.2	13.4	12.1	11.8	10.3	11.5	10.7	9.9	9.4
NORWAY	5.8	6.9	8.0	6.8	7.6	6.1	6.9	6.2	5.6	4.8	5.2
POLAND	16.5	18.9	18.3	17.4	16.3	14.3	15.3	14.8	15.0	14.3	13.8
PORTUGAL	25.4	23.4	22.4	21.0	18.1	16.2	16.1	14.8	12.3	11.8	
SLOVAKIA	11.5	14.6	15.2	12.0	11.6	11.4	11.3				
SLOVENIA	19.5	18.0	15.6	16.9	15.8	13.9	13.5	12.1	13.7	12.9	13.1
SOUTH KOREA	32.3	29.3	22.7	23.2	21.8	17.1	15.2	15.1	13.7	13.2	13.1
SPAIN	14.0	14.3	15.1	14.5	14.5	13.8	12.9	12.8	11.0	10.2	9.3
SWEDEN	6.1	6.1	6.0	6.6	6.7	6.2	6.0	5.9	5.4	4.9	4.9
SWITZERLAND	8.7	8.3	8.4	8.2	8.3	7.6	7.1	7.5	6.9	5.5	5.0
TURKEY											
UNITED KINGDOM	6.4	6.4	6.1	6.1	6.1	6.1	6	6.1	5.6	5.5	5.4
USA	15.9	15.7	15.4	15.3	15.3	14.8	14.9	14.8	14.6	14.7	14.2

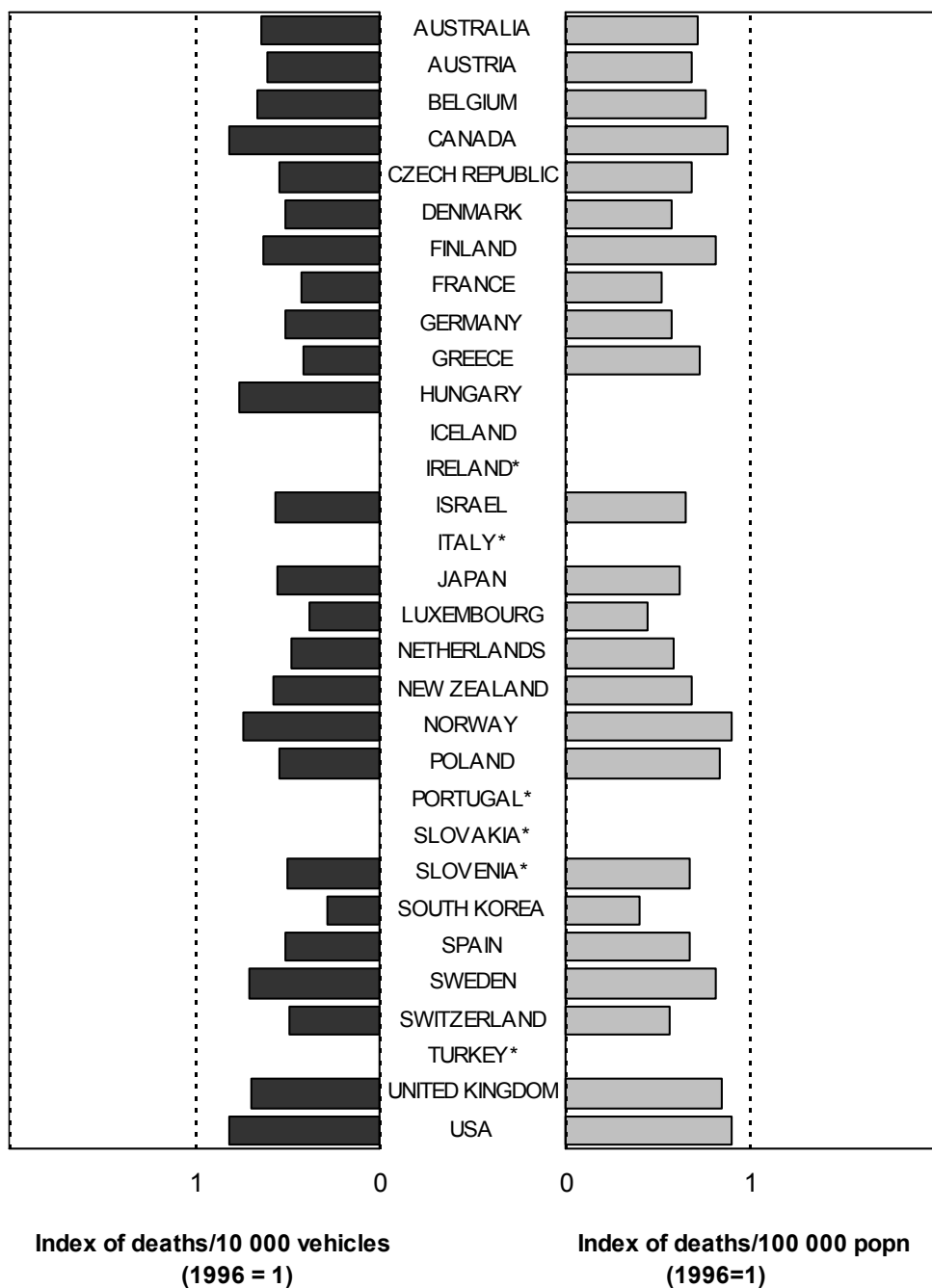
NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.

Table 6
Deaths per 10 000 Vehicles by Year

Country	Year										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
AUSTRALIA	1.8	1.5	1.5	1.4	1.5	1.4	1.3	1.2	1.2	1.2	1.1
AUSTRIA	2.3	2.4	2.0	2.2	1.9	1.8	1.8	1.8	1.7	1.5	1.4
BELGIUM	2.6	2.6	2.8	2.5	2.6	2.5	2.3	2.0	1.9	1.8	1.7
CANADA	1.8	1.7	1.6	1.7	1.6	1.5	1.6	1.5	1.4	1.5	1.5
CZECH REPUBLIC	4.0	3.9	3.1	3.3	3.4	3.1	3.3	3.2	3.0	2.7	2.1
DENMARK	2.3	2.2	2.1	2.2	2.1	1.8	1.9	1.7	1.5	1.3	1.2
FINLAND	1.8	1.9	1.7	1.8	1.6	1.7	1.6	1.4	1.4	1.3	1.1
FRANCE	3.0	2.9	2.7	2.5	2.4	2.3	2.1	1.7	1.5	1.4	1.3
GERMANY	1.8	1.7	1.6	1.5	1.5	1.3	1.3	1.2	1.1	1.0	0.9
GREECE	5.7	5.2	5.0	4.5	4.0	3.5	2.9	2.7	2.6	2.5	2.4
HUNGARY	5.0	5.0	4.9	4.9	4.4	4.4	4.8	4.2	3.9	3.8	3.8
ICELAND	0.7	1.1	1.8	1.3	1.8	1.3	1.5	1.1	1.1	0.9	1.3
IRELAND	3.4	3.3	3.0	2.6	2.5	2.3	2.0	1.7	1.8	1.9	
ISRAEL	3.4	3.3	3.3	2.8	2.5	2.8	2.7	2.3	2.4	2.1	1.9
ITALY	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.4	1.3		
JAPAN	1.6	1.5	1.4	1.3	1.3	1.3	1.2	1.1	1.0	1.0	0.9
LUXEMBOURG	2.5	2.1	1.9	1.9	2.4	2.1	1.8	1.5	1.4	1.3	1.0
NETHERLANDS	1.7	1.7	1.5	1.5	1.4	1.2	1.2	1.2	0.9	0.9	0.8
NEW ZEALAND	2.2	2.3	2.1	2.0	1.8	1.7	1.5	1.6	1.5	1.3	1.3
NORWAY	1.1	1.3	1.4	1.2	1.3	1.0	1.1	1.0	0.9	0.8	0.8
POLAND	5.4	5.9	5.6	5.1	4.5	3.8	3.8	3.5	3.4	3.2	2.9
PORTUGAL	6.5	5.6	5.1	4.4	3.9	3.4	3.3	3.0	2.4	2.3	
SLOVAKIA	4.0	5.1	5.2	4.2	4.1	3.9	3.3				
SLOVENIA	4.6	4.0	3.3	3.4	3.1	2.7	2.6	2.3	2.5	2.2	2.3
SOUTH KOREA	11.8	9.8	7.1	7.2	6.9	5.1	4.4	4.1	3.6	3.4	3.3
SPAIN	2.8	2.8	2.8	2.6	2.5	2.3	2.1	2.1	1.8	1.6	1.4
SWEDEN	1.2	1.2	1.2	1.3	1.2	1.1	1.1	1.1	0.9	0.9	0.9
SWITZERLAND	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.8	0.7
TURKEY											
UNITED KINGDOM	1.4	1.4	1.3	1.2	1.2	1.2	1.1	1.1	1	1	1
USA	2.1	2.1	2	2	1.9	1.9	1.9	1.9	1.8	1.8	1.7

NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.

Figure 3
2006 Death Rates Compared to 1996 Rates
(1996=1)



* = incomplete data for 2006 or 1996

Table 7
Percentage of Deaths by Road Category

Country	Year	URBAN ROADS	----- OUTSIDE URBAN AREAS -----			Total	Total number killed
		All Urban	Motorways	A-level roads	Other		
AUSTRALIA							
AUSTRIA	2006	27.4	11.0	33.4	28.2	72.6	730
BELGIUM	2006	24.8	15.2	12.7	43.5	75.2	1069
CANADA	2005	33.3	17.1			66.7	2925
CZECH REPUBLIC	2006	40.2	3.5	28.0	28.3	59.8	1063
DENMARK	2006	33.0	6.2	21.2	39.5	67	306
FINLAND	2006	27.7	5.1	33.9	33.3	72.3	336
FRANCE	2006	28.5	6.9	14.7	49.9	71.5	4709
GERMANY	2006	27.2	12.7	24.4	35.8	72.8	5091
GREECE	2006	46.7	8.9	23.1	21.3	53.3	1657
HUNGARY	2006	39.0	4.2			61	1303
ICELAND	2006	35.5				64.5	31
IRELAND	2005	26.3	0.8	30.8	42.2	73.7	396
ISRAEL	2006	45.4				54.6	414
ITALY							
JAPAN	2006	54.1	2.7			45.9	7272
LUXEMBOURG							
NETHERLANDS	2006	38.8	10.5			61.2	730
NEW ZEALAND	2006	27.4	2.6	49.1	21.0	72.6	391
NORWAY	2006	12.4				87.6	242
POLAND	2006	44.8	1.0			55.2	5243
PORTUGAL	2006	46.2	8.7	7.8	37.2	53.8	969
SLOVAKIA							
SLOVENIA	2006	35.4	11.0	20.9	32.7	64.6	263
SOUTH KOREA	2006	40.2	7.4	30.3	22.0	59.8	6327
SPAIN	2006	18.0	5.7			82.0	4104
SWEDEN	2006	23.8	6.3			76.2	445
SWITZERLAND	2006	33.5	8.4	43.0	15.1	66.5	370
TURKEY							
UNITED KINGDOM	2006	32.3	5.7			67.7	3289
USA	2006	36.8	12.9	20.6	26.9	63.2	42642

NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.
For NZ A-level roads are State Highways excluding motorways.

