

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	157
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	2004 Death Rates Compared to 1994 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	2004	20111	13533	0.67	1583	7.9	1.2
AUSTRIA	2004	8175	5205	0.64	878	10.7	1.7
BELGIUM	2002	10309	5914	0.57	1353	13.1	2.3
CANADA	2004	31946	19081	0.60	2725	8.5	1.4
CZECH REPUBLIC	2004	10211	4573	0.45	1382	13.5	3.0
DENMARK	2004	5399	2521	0.47	369	6.8	1.5
FINLAND	2004	5220	2757	0.53	375	7.2	1.4
FRANCE	2004	59900	36809	0.61	5530	9.2	1.5
GERMANY	2004	82532	54082	0.66	5842	7.1	1.1
GREECE	2000	10554	5061	0.48	2037	19.3	4.0
HUNGARY	2004	10117	3305	0.33	1296	12.8	3.9
ICELAND	2004	294	218	0.74	23	7.8	1.1
IRELAND	2003	3979	1937	0.49	335	8.4	1.7
ITALY	2004	57888	43141	0.75	5625	9.7	1.3
JAPAN	2004	127687	81220	0.64	8492	6.7	1.0
LUXEMBOURG	2004	451	358	0.79	50	11.1	1.4
NETHERLANDS	2004	16258	8494	0.52	804	5.0	0.9
NEW ZEALAND	2004	4061	2921	0.72	436	10.7	1.5
NORWAY	2004	4579	2862	0.63	259	5.7	0.9
POLAND	2004	38174	16701	0.44	5712	15.0	3.4
PORTUGAL	2004	10529	5366	0.51	1294	12.3	2.4
SLOVAKIA	2002	5379	1834	0.34	610	11.3	3.3
SLOVENIA	2004	1998	1065*	0.53*	274	13.7	2.6*
SOUTH KOREA	2004	48082	18062	0.38	6563	13.7	3.6
SPAIN	2004	43038	26433	0.61	4741	11.0	1.8
SWEDEN	2004	8976	5055	0.56	480	5.4	0.9
SWITZERLAND	2004	7364	4969	0.67	510	6.9	1.0
UNITED KINGDOM	2004	59835	33033	0.55	3368	5.6	1.0
USA	2004	293655	230788*	0.79*	42636	14.5	1.8*

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 (2004)

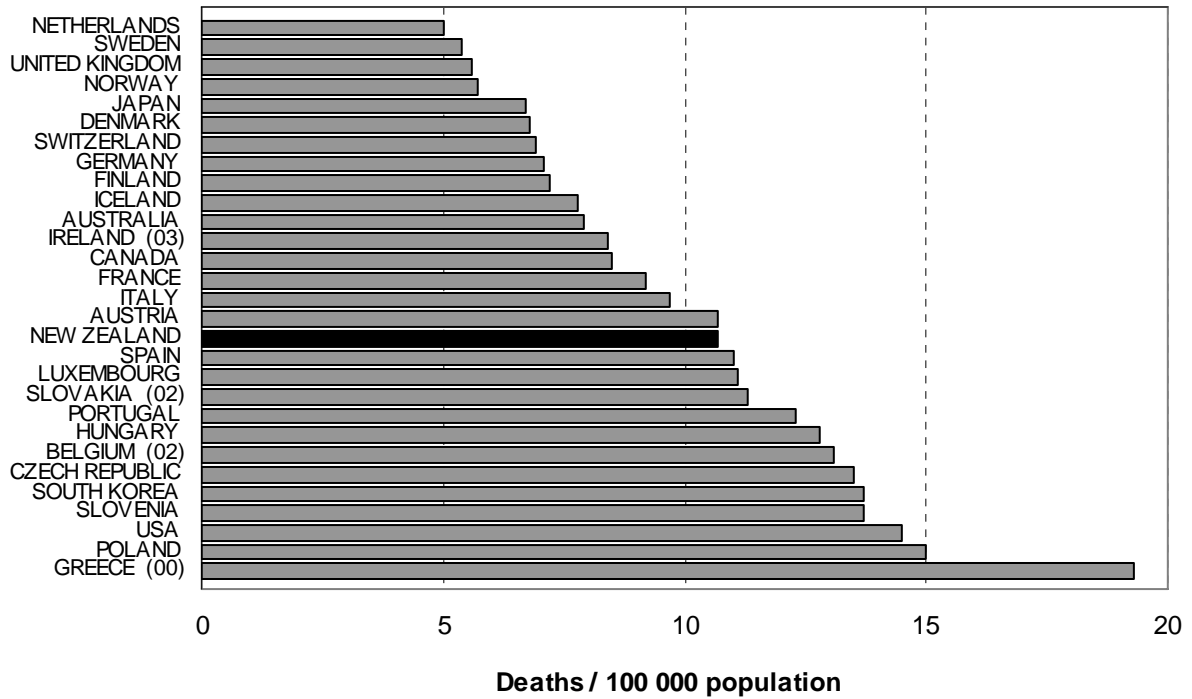


Figure 1B
International Comparison of Deaths per
10 000 Vehicles (2004)

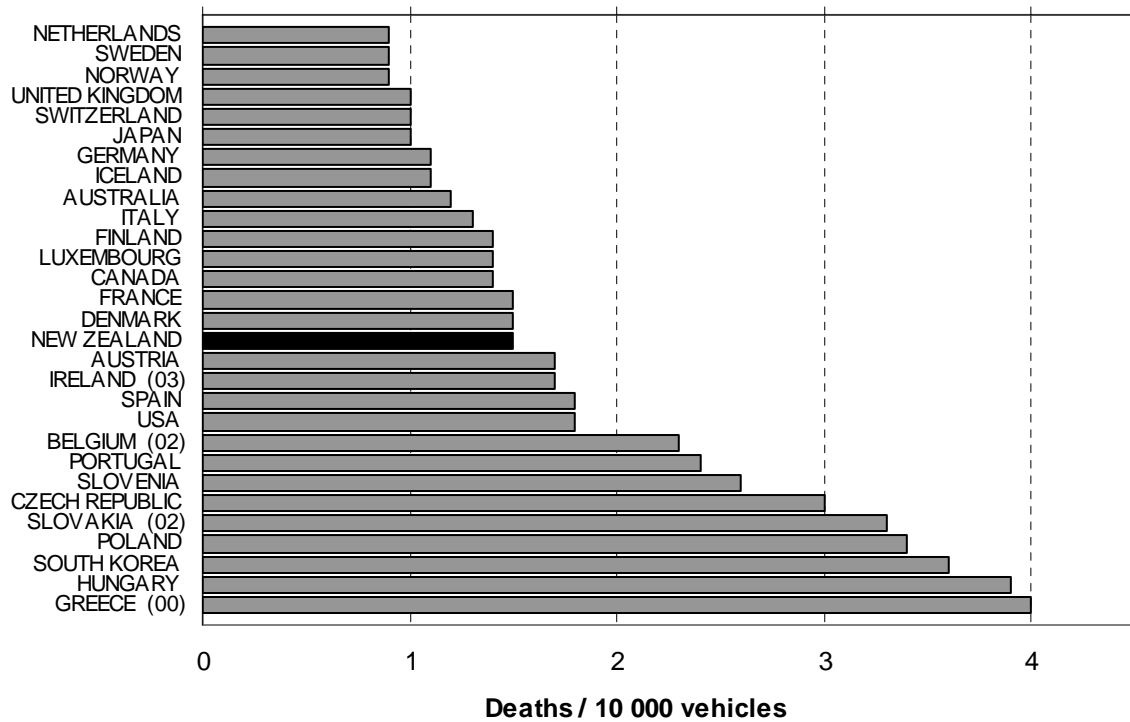


Table 2
Type of Road User Killed

Country	Year	Percentage of Deaths					Total number killed
		Vehicle Occupants #	Motorcyclists (including mopeds)	Pedestrians	Cyclists	Unknown	
AUSTRALIA							
AUSTRIA	2004	62.2	16.2	15.0	6.6	0.0	878
BELGIUM							
CANADA	2004	76.4	7.3	13.5	2.1	0.8	2725
CZECH REPUBLIC	2004	62.8	7.4	20.3	9.5	0.0	1382
DENMARK	2004	55.3	18.7	11.7	14.4	0.0	369
FINLAND	2004	70.9	9.1	13.1	6.9	0.0	375
FRANCE	2004	64.6	21.7	10.5	3.2	0.0	5530
GERMANY	2004	60.7	16.8	14.3	8.1	0.0	5842
GREECE							
HUNGARY	2004	53.5	7.3	25.2	14.1	0.0	1296
ICELAND	2004	78.3	0.0	13.0	0.0	0.0	23
IRELAND	2003	61.2	16.4	19.1	3.3	0.0	335
ITALY	2004	55.9	26.2	12.6	5.3	0.0	5625
JAPAN	2004	37.9	17.9	30.7	13.5	0.0	8492
LUXEMBOURG	2004	54.0	22.0	24.0	0.0	0.0	50
NETHERLANDS	2004	52.7	18.8	8.5	19.5	0.5	804
NEW ZEALAND	2004	81.9	7.8	8.7	1.6	0.0	436
NORWAY	2004	70.7	16.6	8.5	4.2	0.0	259
POLAND	2004	49.1	4.1	34.8	12.1	0.0	5712
PORTUGAL	2004	55.1	23.3	18.0	3.6	0.0	1294
SLOVAKIA							
SLOVENIA	2004	68.6	10.9	12.8	7.7	0.0	274
SOUTH KOREA	2004	39.2	17.4	39.3	4.0	0.0	6563
SPAIN	2004	67.7	16.1	14.4	1.9	0.0	4741
SWEDEN	2004	65.0	15.4	14.0	5.6	0.0	480
SWITZERLAND	2004	49.0	24.1	18.6	8.2	0.0	510
UNITED KINGDOM	2004	57.3	18.0	20.6	4.0	0.0	3368
USA	2004	77.7	9.1	10.9	1.7	0.3	42636

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	2004	5.8	46.2	9.7	6.9	6.8	14.0	9.8	7.9
AUSTRIA	2004	5.3	61.2	12.0	10.6	8.2	21.1	13.9	10.7
BELGIUM									
CANADA	2004	5.0	47.7	9.6	7.6	7.1	16.0	11.8	8.5
CZECH REPUBLIC	2004	5.4	51.0	17.5	14.8	13.3	24.9	17.4	13.5
DENMARK	2004	5.8	38.9	7.6	7.0	7.0	8.4	9.9	6.8
FINLAND	2004	4.4	43.4	6.9	5.8	5.6	11.7	11.9	7.2
FRANCE	2004	5.0	57.8	13.0	9.1	7.7	12.6	9.7	9.2
GERMANY	2004	3.7	48.1	8.0	6.3	6.3	10.3	8.1	7.1
GREECE									
HUNGARY	2004	7.5	33.1	17.7	15.5	14.6	27.5	13.7	12.8
ICELAND	2004	13.0	29.9	2.4	14.3	7.7	8.3	11.4	7.8
IRELAND	2003	5.8	42.2	11.4	7.9	6.4	9.8	12.0	8.4
ITALY									
JAPAN	2004	4.1	22.8	4.8	3.7	4.8	13.4	14.5	6.7
LUXEMBOURG									
NETHERLANDS	2004	3.5	29.7	5.3	3.8	4.0	6.8	8.8	5.0
NEW ZEALAND	2004	8.4	71.0	10.8	9.3	7.8	20.7	12.8	10.7
NORWAY	2004	3.6	40.8	7.3	4.0	3.8	7.9	8.3	5.7
POLAND	2004	11.0	45.6	16.5	15.6	17.1	31.7	19.2	15.0
PORTUGAL	2004	9.2	53.7	16.4	13.0	9.8	23.8	12.8	12.3
SLOVAKIA									
SLOVENIA	2004	10.1	60.4	16.5	14.0	14.5	21.7	16.0	13.7
SOUTH KOREA	2004	9.5	26.4	9.2	12.4	16.7	47.0	41.4	13.7
SPAIN	2004	6.0	54.2	14.7	10.5	10.0	18.8	10.2	11.0
SWEDEN	2004	2.7	27.6	5.7	5.5	4.1	8.4	9.0	5.4
SWITZERLAND	2004	5.7	45.8	7.3	4.6	5.6	11.2	10.6	6.9
UNITED KINGDOM	2004	4.0	36.2	7.5	5.9	3.7	7.5	6.2	5.6
USA	2004	10.6	77.6	17.1	14.5	14.4	26.3	17.9	14.5

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	2004	4.9	27.0	17.7	13.1	11.7	9.3	16.1	0.1
AUSTRIA	2004	2.5	23.5	15.1	16.7	10.1	11.6	20.4	0.0
BELGIUM									
CANADA	2004	3.5	25.6	15.4	14.3	12.6	9.9	17.9	0.7
CZECH REPUBLIC	2004	2.0	17.9	21.2	14.3	14.6	12.1	17.9	0.1
DENMARK	2004	5.4	20.9	15.2	15.4	13.8	7.6	21.7	0.0
FINLAND	2004	3.5	25.3	11.7	11.5	11.7	10.4	25.9	0.0
FRANCE	2004	3.4	27.6	18.8	14.1	11.6	7.2	17.2	0.3
GERMANY	2004	2.6	26.2	14.2	15.3	12.3	8.7	20.6	0.1
GREECE									
HUNGARY	2004	3.0	12.2	21.6	15.4	17.4	12.7	16.5	1.3
ICELAND	2004	13.0	21.7	4.3	26.1	13.0	4.3	17.4	0.0
IRELAND	2003	4.8	28.1	21.5	13.4	9.3	5.4	15.8	1.8
ITALY									
JAPAN	2004	2.8	13.0	10.5	7.3	9.6	14.4	42.3	0.0
LUXEMBOURG									
NETHERLANDS	2004	4.4	24.0	14.9	12.4	11.4	8.0	24.8	0.1
NEW ZEALAND	2004	5.7	31.4	13.5	13.3	9.6	9.9	14.2	2.3
NORWAY	2004	4.2	28.6	18.1	10.4	8.9	8.1	21.6	0.0
POLAND	2004	4.0	17.6	16.5	13.5	18.1	10.6	16.9	2.8
PORTUGAL	2004	3.7	19.6	20.8	15.6	10.6	10.7	17.8	1.3
SLOVAKIA									
SLOVENIA	2004	3.3	20.1	17.9	15.7	16.4	8.8	17.9	0.0
SOUTH KOREA	2004	4.5	9.9	11.6	16.0	16.5	14.6	26.4	0.6
SPAIN	2004	2.6	20.4	23.0	15.3	11.7	8.9	15.6	2.5
SWEDEN	2004	2.9	20.2	13.8	14.4	10.0	9.8	29.0	0.0
SWITZERLAND	2004	4.5	25.7	14.5	11.0	11.2	9.2	23.9	0.0
UNITED KINGDOM	2004	4.4	27.5	17.8	16.2	8.5	7.7	17.5	0.5
USA	2004	5.1	25.4	16.1	15.0	14.0	8.9	15.3	0.3

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

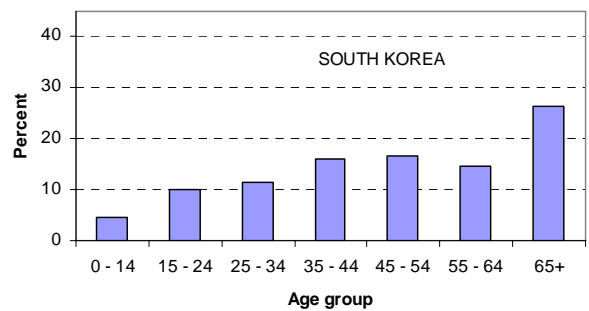
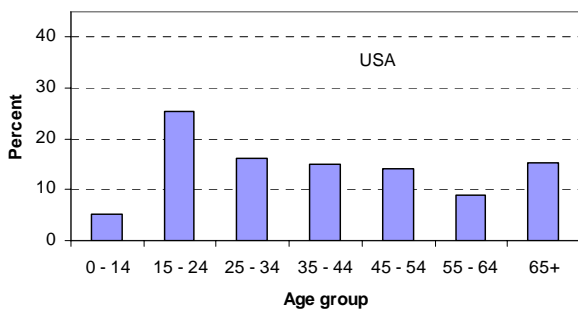
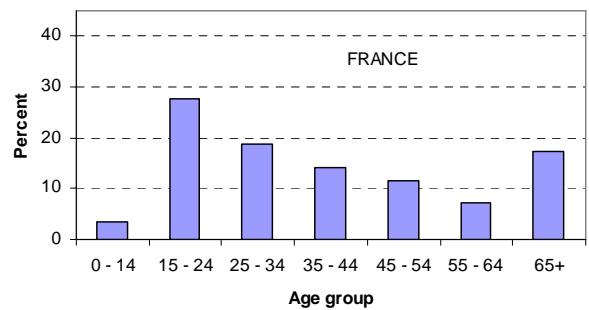
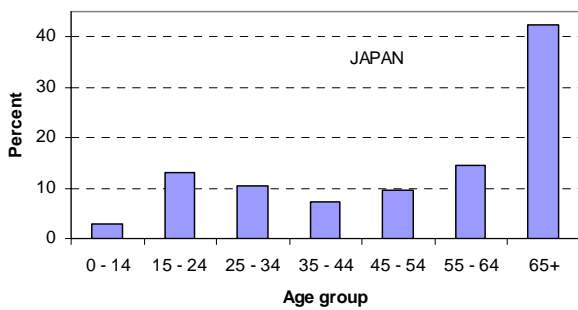
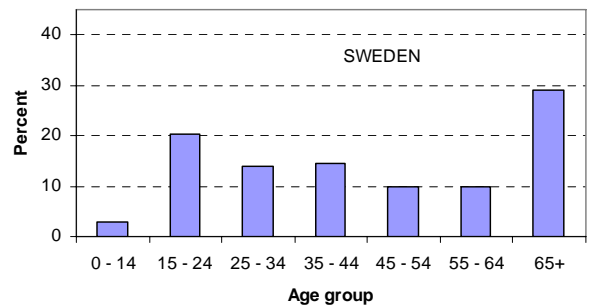
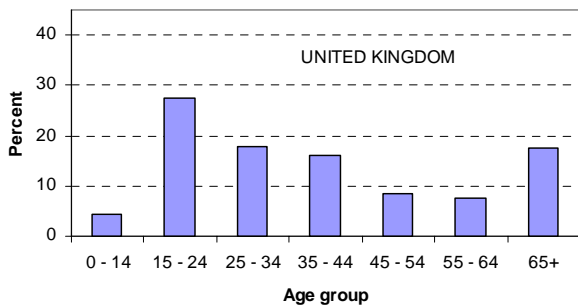
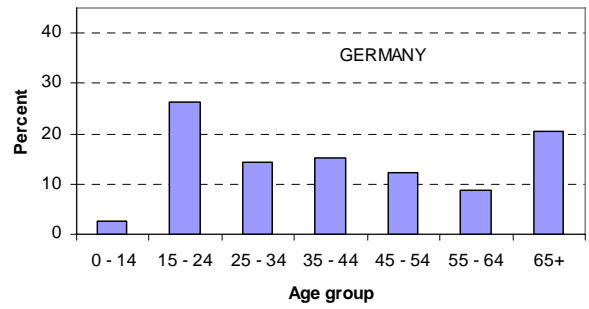
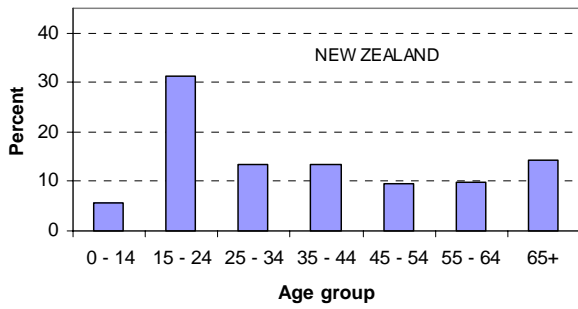


Table 5

Deaths per 100,000 Population by Year

Country	Year										
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
AUSTRALIA	10.9	11.2	10.8	9.5	9.4	9.3	9.5	9.0	8.7	8.2	7.9
AUSTRIA	16.9	15.2	12.9	13.9	12.1	13.5	12.2	11.9	11.8	11.5	10.7
BELGIUM	16.8	14.3	13.4	13.4	14.7	13.7	14.4	14.5	13.1	-	-
CANADA	11.2	11.4	10.4	10.2	9.7	9.8	9.5	8.9	9.3	8.7	8.5
CZECH REPUBLIC	15.8	15.4	15.2	15.5	13.2	14.1	14.5	13.0	14.0	14.2	13.5
DENMARK	10.5	11.2	9.8	9.3	9.4	9.7	9.3	8.1	8.6	8.0	6.8
FINLAND	9.5	8.7	7.9	8.5	7.8	8.4	7.7	8.4	8.0	7.3	7.2
FRANCE	15.6	15.3	14.7	14.4	15.2	14.4	13.6	13.8	12.9	10.2	9.2
GERMANY	12.1	11.6	10.7	10.4	9.5	9.5	9.1	8.5	8.3	8.0	7.1
GREECE	21.6	23.1	20.6	20.1	20.8	20.1	19.3	-	-	-	-
HUNGARY	15.2	15.5	13.4	13.7	13.5	12.9	12.0	12.2	14.0	13.1	12.8
ICELAND	4.5	9.0	3.7	5.5	9.8	7.5	11.3	8.4	10.1	7.9	7.8
IRELAND	11.3	12.1	12.5	12.9	12.4	11.0	11.0	10.7	9.6	8.4	-
ITALY	12.4	12.3	11.7	11.7	11.9	11.5	11.5	11.6	11.8	10.6	9.7
JAPAN	10.2	10.1	9.3	8.9	8.5	8.2	8.2	7.9	7.5	7.0	6.7
LUXEMBOURG	16.5	17.0	17.2	14.4	13.4	13.5	17.5	15.9	14.0	11.8	11.1
NETHERLANDS	8.5	8.7	7.6	7.5	6.8	6.9	6.8	6.2	6.1	6.4	5.0
NEW ZEALAND	16.2	16.0	13.8	14.4	13.2	13.4	12.1	11.8	10.3	11.5	10.7
NORWAY	6.5	7.0	5.8	6.9	8.0	6.8	7.6	6.1	6.9	6.2	5.7
POLAND	17.5	17.9	16.5	18.9	18.3	17.4	16.3	14.3	15.3	14.8	15.0
PORTUGAL	23.3	25.2	25.4	23.4	22.4	21.0	18.1	16.2	16.1	14.8	12.3
SLOVAKIA	-	12.3	11.5	14.6	15.2	12.0	11.6	11.4	11.3	-	-
SLOVENIA	25.4	20.9	19.5	18.0	15.6	16.9	15.8	13.9	13.5	12.1	13.7
SOUTH KOREA	26.3	26.6	32.3	29.3	22.7	23.2	21.8	17.1	15.2	15.1	13.7
SPAIN	14.4	14.7	14.0	14.3	15.1	14.5	14.5	13.8	12.9	12.8	11.0
SWEDEN	6.7	6.5	6.1	6.1	6.0	6.6	6.7	6.2	6.0	5.9	5.4
SWITZERLAND	9.7	9.9	8.7	8.3	8.4	8.2	8.3	7.6	7.1	7.5	6.9
UNITED KINGDOM	6.6	6.5	6.4	6.4	6.1	6.1	6.1	6.1	6.0	6.1	5.6
USA	15.6	15.9	15.9	15.7	15.4	15.3	15.3	14.8	14.9	14.8	14.5

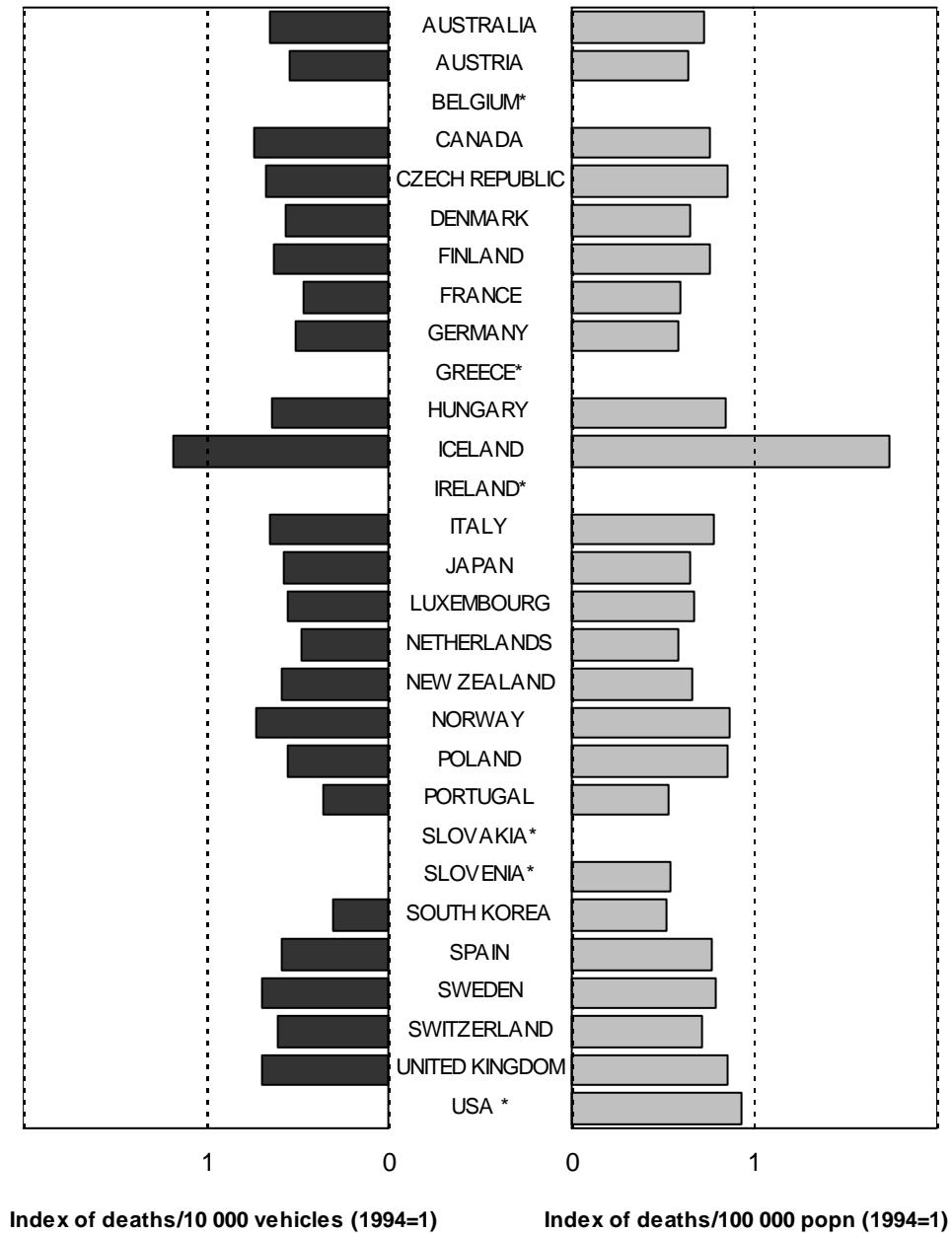
NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.

Table 6
Deaths per 10 000 Vehicles by Year

Country	Year										
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
AUSTRALIA	1.8	1.8	1.8	1.5	1.5	1.4	1.5	1.4	1.3	1.2	1.2
AUSTRIA	3.1	2.7	2.3	2.4	2.0	2.2	1.9	1.8	1.8	1.8	1.7
BELGIUM	3.4	2.8	2.6	2.6	2.8	2.5	2.6	2.5	2.3	-	-
CANADA	1.9	2.0	1.8	1.7	1.6	1.7	1.6	1.5	1.6	1.5	1.4
CZECH REPUBLIC	4.5	4.2	4.0	3.9	3.1	3.3	3.4	3.1	3.3	3.2	3.0
DENMARK	2.6	2.7	2.3	2.2	2.1	2.2	2.1	1.8	1.9	1.7	1.5
FINLAND	2.2	2.0	1.8	1.9	1.7	1.8	1.6	1.7	1.6	1.4	1.4
FRANCE	3.2	3.1	3.0	2.9	2.7	2.5	2.4	2.3	2.1	1.7	1.5
GERMANY	2.1	2.0	1.8	1.7	1.6	1.5	1.5	1.3	1.3	1.2	1.1
GREECE	6.7	6.7	5.7	5.2	5.0	4.5	4.0	-	-	-	-
HUNGARY	6.1	6.0	5.0	5.0	4.9	4.9	4.4	4.4	4.8	4.2	3.9
ICELAND	0.9	1.8	0.7	1.0	1.7	1.2	1.8	1.2	1.4	1.1	1.1
IRELAND	3.4	3.5	3.4	3.3	3.0	2.6	2.5	2.3	2.0	1.7	-
ITALY	2.0	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.4	1.3
JAPAN	1.8	1.8	1.6	1.5	1.4	1.3	1.3	1.3	1.2	1.1	1.0
LUXEMBOURG	2.5	2.5	2.5	2.1	1.9	1.9	2.4	2.1	1.8	1.5	1.4
NETHERLANDS	2.0	2.0	1.7	1.7	1.5	1.5	1.4	1.2	1.2	1.2	0.9
NEW ZEALAND	2.5	2.5	2.2	2.3	2.1	2.0	1.8	1.7	1.5	1.6	1.5
NORWAY	1.2	1.3	1.1	1.3	1.4	1.2	1.3	1.0	1.1	1.0	0.9
POLAND	6.2	6.2	5.4	5.9	5.6	5.1	4.5	3.8	3.8	3.5	3.4
PORTUGAL	6.8	6.9	6.5	5.6	5.1	4.4	3.9	3.4	3.3	3.0	2.4
SLOVAKIA	4.6	4.5	4.0	5.1	5.2	4.2	4.1	3.9	3.3	-	-
SLOVENIA	6.6	5.1	4.6	4.0	3.3	3.4	3.1	2.7	2.6	2.3	-
SOUTH KOREA	12.1	10.8	11.8	9.8	7.1	7.2	6.9	5.1	4.4	4.1	3.6
SPAIN	3.1	3.1	2.8	2.8	2.8	2.6	2.5	2.3	2.1	2.1	1.8
SWEDEN	1.4	1.3	1.2	1.2	1.2	1.3	1.2	1.1	1.1	1.1	0.9
SWITZERLAND	1.7	1.7	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0
UNITED KINGDOM	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.2	1.1	1.1	1.0
USA	2.1	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.9	-

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

Figure 3
2004 Death Rates Compared to 1994 Rates
(1994=1)



* = incomplete data for 2004 or 1994

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	2004	26.2	14.2	31.8	27.8	73.8	878
BELGIUM							
CANADA	2004	33.5	16.7	10.2	-	66.5	2725
CZECH REPUBLIC	2004	38	4.2	30.2	27.6	62	1382
DENMARK	2004	32.5	8.4	19.5	39.6	67.5	369
FINLAND	2004	21.9	4.5	43.7	29.9	78.1	375
FRANCE	2004	27.6	6.4	18.2	47.7	72.4	5530
GERMANY	2004	25.4	11.9	24.2	38.5	74.6	5842
GREECE							
HUNGARY	2004	36.7	4.6	36.4	22.2	63.3	1296
ICELAND	2004	34.8	-	-	-	65.2	23
IRELAND							
ITALY	2004	41.1	11.5	8.4	-	58.9	5625
JAPAN	2004	51.3	3.2	1.4	-	48.7	8492
LUXEMBOURG							
NETHERLANDS	2004	31.3	-	35.2	-	68.7	804
NEW ZEALAND	2004	25.9	2.3	45.9	25.9	74.1	436
NORWAY	2004	13.1	-	-	-	86.9	259
POLAND	2004	48.2	0.6	2.5	-	51.8	5712
PORTUGAL	2004	43	9	11.1	37	57	1294
SLOVAKIA							
SLOVENIA	2004	30.3	7.7	28.1	33.9	69.7	274
SOUTH KOREA	2004	41.8	8.6	30.3	19.3	58.2	6563
SPAIN	2004	19	5.9	1.5	-	81	4741
SWEDEN	2004	26	8.8	29.8	-	74	480
SWITZERLAND	2004	37.5	10	38.4	14.1	62.5	510
UNITED KINGDOM	2004	33.7	4.9	2.3	-	66.3	3368
USA	2004	34.3	13.5	23.6	26.8	65.7	42636

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.

