

International Comparisons for Road Deaths

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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	2003	19881	13163	0.66	1633	8.2	1.2
AUSTRIA	2003	8067	5114	0.63	931	11.5	1.8
BELGIUM	2001	10263	5837	0.57	1486	14.5	2.5
CANADA	2002	31414	18617	0.59	2930	9.3	1.6
CZECH REPUBLIC	2003	10203	4490	0.44	1447	14.2	3.2
DENMARK	2002	5368	2476	0.46	463	8.6	1.9
FINLAND	2003	5206	2657	0.51	379	7.3	1.4
FRANCE	2003	59625	35982	0.60	6058	10.2	1.7
GERMANY	2003	82537	53656	0.65	6613	8.0	1.2
GREECE	2000	10554	5061	0.48	2037	19.3	4.0
HUNGARY	2003	10142	3141	0.31	1326	13.1	4.2
ICELAND	2003	290	207	0.71	23	7.9	1.1
IRELAND	2002	3917	1850	0.47	376	9.6	2.0
ITALY	2002	57844	42107	0.73	6736	11.7	1.6
JAPAN	2003	127619	80970	0.63	8877	7.0	1.1
LUXEMBOURG	2003	448	341*	0.76*	53	11.8	1.6*
NETHERLANDS	2003	16192	8387	0.52	1028	6.4	1.2
NEW ZEALAND	2003	4009	2801	0.70	461	11.5	1.6
NORWAY	2003	4577	2752*	0.60*	280	6.1	1.0*
POLAND	2003	38191	15899	0.42	5640	14.8	3.5
PORTUGAL	2003	10475	9020	0.86	1546	14.8	1.7
SLOVAKIA	2002	5379	1834	0.34	610	11.3	3.3
SLOVENIA	2003	1995	1046*	0.52*	242	12.1	2.3*
SOUTH KOREA	2003	47925	14614	0.30	7212	15.1	4.9
SPAIN	2003	40409*	25066*	0.62*	5399	13.2*	2.2*
SWEDEN	2003	8941	4998	0.56	529	5.9	1.1
SWITZERLAND	2003	7318	4888	0.67	546	7.5	1.1
TURKEY	2001	68530	9821	0.14	3840	5.6	3.9
UNITED KINGDOM	2003	59554	31950	0.54	3658	6.1	1.1
USA	2002	288369	225685	0.78	42815	14.9	1.9

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 (2003)

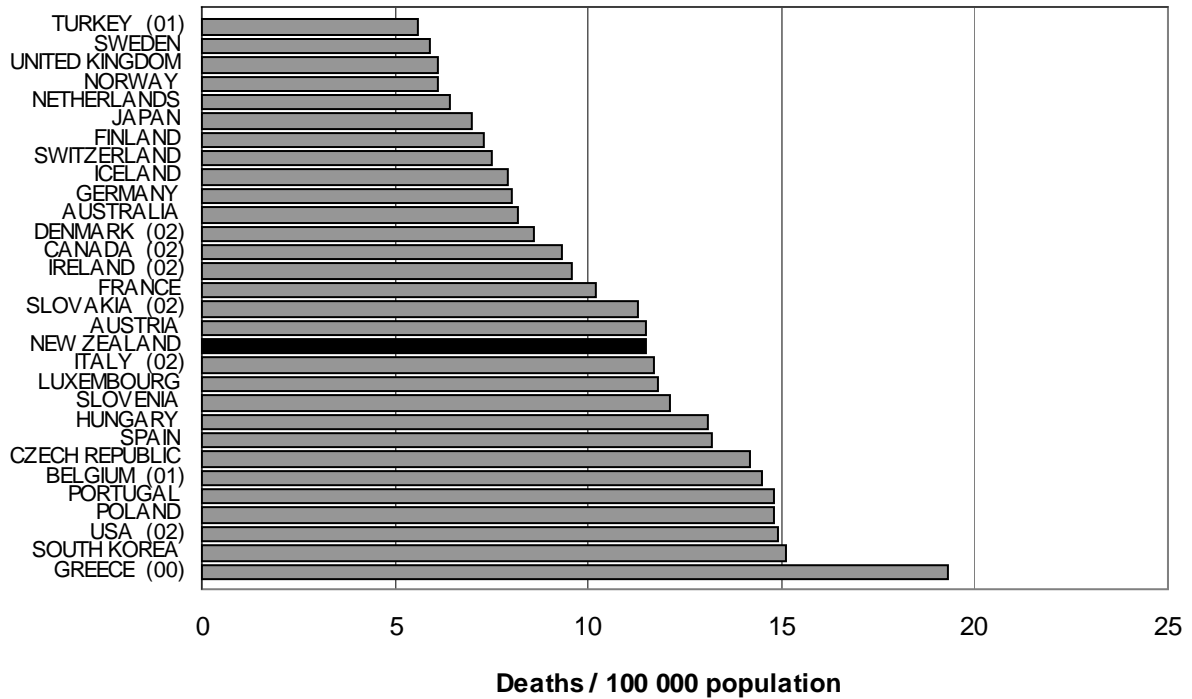


Figure 1B
International Comparison of Deaths per
10 000 Vehicles (2003)

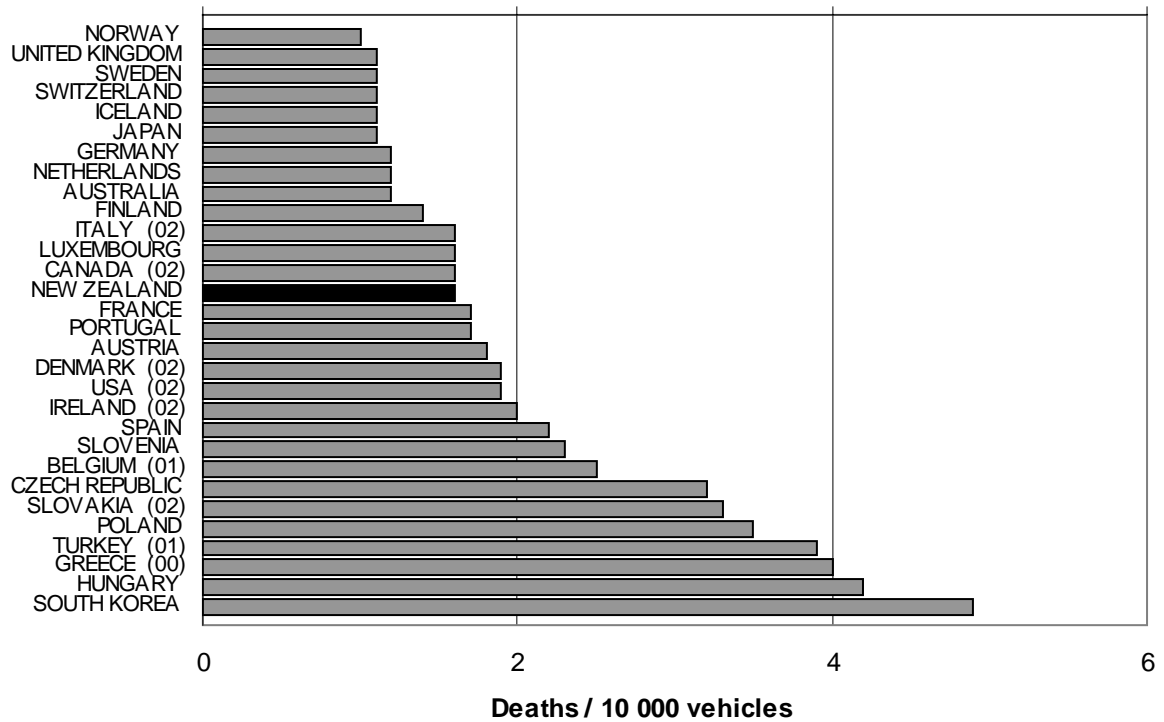


Table 2
Type of Road User Killed

Country	Year	Percentage of Deaths					Total number killed
		Vehicle Occupants #	Motorcyclists (including mopeds)	Pedestrians	Cyclists	Unknown	
AUSTRALIA							
AUSTRIA	2003	63.1	16.8	14.2	6.0	0.0	931
BELGIUM							
CANADA	2002	78.7	5.9	12.6	2.2	0.7	2930
CZECH REPUBLIC	2003	61.2	7.7	20.0	11.0	0.0	1447
DENMARK	2002	61.6	13.4	13.8	11.2	0.0	463
FINLAND	2003	64.9	9.2	15.6	10.3	0.0	379
FRANCE	2003	65.7	20.7	10.3	3.3	0.0	6058
GERMANY	2003	62.1	16.3	12.3	9.3	0.0	6613
GREECE							
HUNGARY	2002	54.4	6.5	26.4	12.7	0.0	1429
ICELAND	2003	87.0	0.0	13.0	0.0	0.0	23
IRELAND	2002	60.6	11.7	22.9	4.8	0.0	376
ITALY	2002	58.9	18.8	17.6	4.7	0.0	6736
JAPAN	2003	37.5	17.7	30.9	14.0	0.0	8877
LUXEMBOURG							
NETHERLANDS	2003	53.9	18.4	9.4	18.3	0.0	1028
NEW ZEALAND	2003	80.0	6.1	12.6	1.3	0.0	461
NORWAY	2003	70.7	12.9	11.8	4.6	0.0	280
POLAND	2003	51.7	3.5	33.3	11.5	0.0	5640
PORTUGAL	2003	53.8	24.0	18.1	4.1	0.0	1546
SLOVAKIA							
SLOVENIA	2003	65.3	13.2	15.7	5.8	0.0	242
SOUTH KOREA	2003	40.5	15.8	40.2	3.5	0.0	7212
SPAIN	2003	69.9	14.0	14.6	1.4	0.0	5399
SWEDEN	2003	72.4	10.6	10.4	6.6	0.0	529
SWITZERLAND	2003	53.1	21.4	16.7	8.8	0.0	546
TURKEY							
UNITED KINGDOM	2003	55.4	19.5	21.9	3.2	0.0	3658
USA	2002	79.1	7.6	11.2	1.5	0.6	42815

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	2003	2.7	15.3	9.7	7.7	6.6	6.8	10.5	8.2
AUSTRIA	2003	2.8	22.1	11.4	9.3	11.4	11.0	15.8	11.5
BELGIUM									
CANADA	2002	2.8	16.6	9.1	8.6	8.8	9.2	12.9	9.3
CZECH REPUBLIC	2003	2.4	19.7	17.8	15.7	13.5	13.8	16.3	14.2
DENMARK	2002	1.4	17.0	11.5	7.0	6.6	7.7	13.0	8.6
FINLAND	2003	2.4	10.9	7.0	6.8	6.7	6.3	12.0	7.3
FRANCE	2003	2.0	20.1	13.7	10.0	8.0	7.7	11.3	10.2
GERMANY	2003	1.7	18.0	9.7	7.3	6.4	5.8	9.2	8.0
GREECE									
HUNGARY	2002	3.1	13.5	16.9	18.7	17.1	15.1	14.9	14.0
ICELAND	2003	3.1	14.0	4.9	2.3	2.6	15.4	20.6	7.9
IRELAND	2002	2.2	15.3	13.5	6.8	5.4	9.4	13.8	9.6
ITALY									
JAPAN	2003	1.3	8.2	5.2	4.0	5.0	7.1	15.0	7.0
LUXEMBOURG									
NETHERLANDS	2003	2.1	12.1	7.6	5.3	4.4	5.3	10.0	6.4
NEW ZEALAND	2003	3.1	22.4	15.8	11.0	8.6	8.6	13.8	11.5
NORWAY	2003	2.2	10.8	8.5	6.2	3.6	4.5	7.9	6.1
POLAND	2003	3.5	16.7	16.8	17.6	15.9	14.3	17.9	14.8
PORTUGAL	2003	3.3	21.2	19.1	14.8	14.4	12.1	17.1	14.8
SLOVAKIA									
SLOVENIA	2002	1.0	23.4	15.7	10.1	15.2	14.4	17.3	13.7
SOUTH KOREA	2003	4.1	11.1	11.6	13.4	17.9	26.3	43.0	15.1
SPAIN	2002	2.5	20.4	17.1	13.4	12.2	12.1	12.0	13.2
SWEDEN	2003	1.3	11.1	6.5	5.6	5.4	5.6	7.7	5.9
SWITZERLAND	2003	1.9	14.4	8.3	7.0	5.3	6.2	11.0	7.5
TURKEY									
UNITED KINGDOM	2003	1.3	12.9	8.2	6.1	4.9	4.0	6.9	6.1
USA	2002	3.5	27.4	17.2	15.1	14.1	13.2	18.6	14.9

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	2003	6.6	25.8	17.1	14.0	11.0	8.4	16.4	0.7
AUSTRIA	2003	4.0	23.1	14.0	13.6	12.9	11.2	21.3	0.0
BELGIUM									
CANADA	2002	5.5	24.0	13.7	15.5	13.8	9.7	17.6	0.3
CZECH REPUBLIC	2003	2.6	19.6	20.0	14.4	14.5	11.8	16.0	1.0
DENMARK	2002	3.0	22.0	19.0	12.1	10.6	10.8	22.2	0.2
FINLAND	2003	5.8	18.7	11.9	13.5	14.2	10.6	25.3	0.0
FRANCE	2003	3.7	25.8	18.3	14.1	11.0	7.6	18.1	1.4
GERMANY	2003	3.1	25.8	15.8	15.4	10.9	8.8	20.1	0.0
GREECE									
HUNGARY	2002	3.6	13.6	18.1	16.8	18.6	12.1	16.2	1.0
ICELAND	2003	8.7	26.1	8.7	4.3	4.3	17.4	30.4	0.0
IRELAND	2002	4.8	26.1	22.1	10.1	6.9	8.8	16.0	5.3
ITALY									
JAPAN	2003	2.6	13.8	11.0	7.3	10.2	14.0	41.2	0.0
LUXEMBOURG									
NETHERLANDS	2003	6.2	22.7	17.2	13.3	9.7	9.3	21.5	0.0
NEW ZEALAND	2003	5.9	28.0	18.7	14.8	9.8	7.2	14.3	1.5
NORWAY	2003	7.1	21.4	19.6	15.0	7.9	8.2	18.9	1.8
POLAND	2003	4.1	18.8	16.6	15.9	17.0	9.1	15.7	2.8
PORTUGAL	2003	3.6	18.6	20.2	14.7	12.8	9.0	19.5	1.6
SLOVAKIA									
SLOVENIA	2003	1.2	23.6	13.6	11.2	19.8	7.9	22.7	0.0
SOUTH KOREA	2003	5.5	11.2	13.4	15.7	15.3	14.8	23.7	0.5
SPAIN	2003	2.8	21.6	22.6	15.0	11.4	8.5	15.0	3.0
SWEDEN	2003	4.0	21.9	14.6	13.2	12.1	11.9	22.3	0.0
SWITZERLAND	2003	4.2	22.5	15.4	15.6	9.9	9.5	22.9	0.0
TURKEY									
UNITED KINGDOM	2003	4.0	26.6	18.1	15.3	10.2	7.4	18.0	0.5
USA	2002	4.9	26.0	16.0	15.8	13.2	8.2	15.5	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

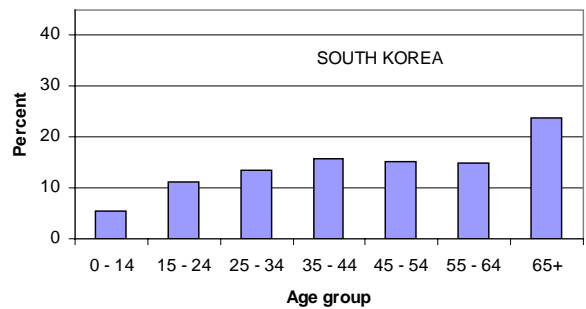
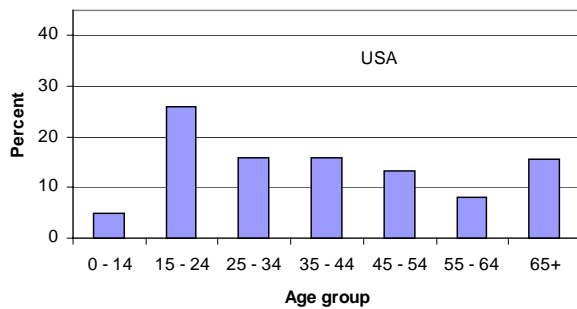
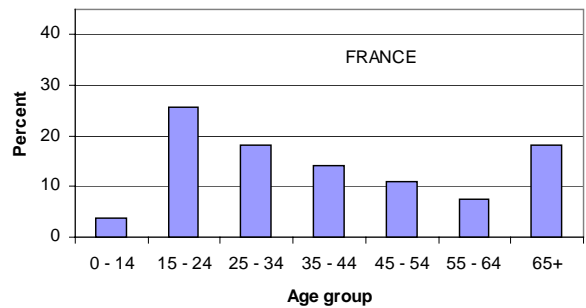
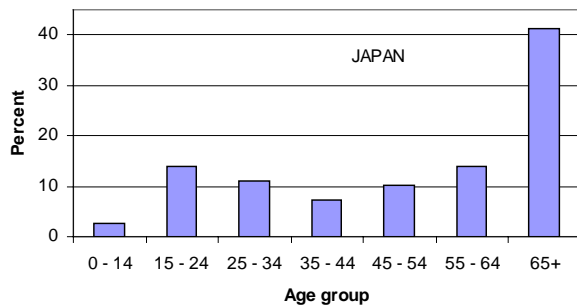
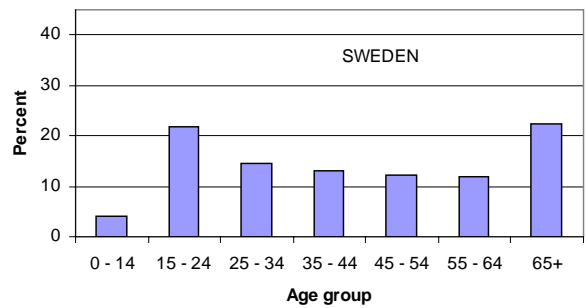
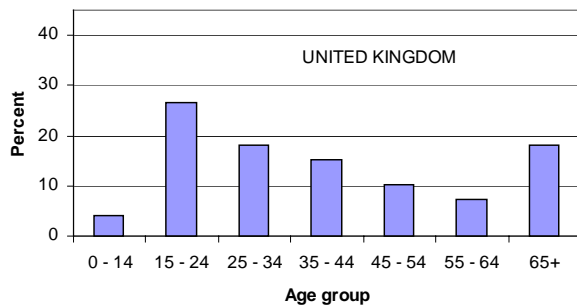
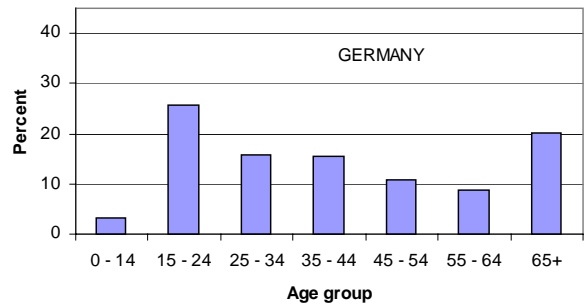
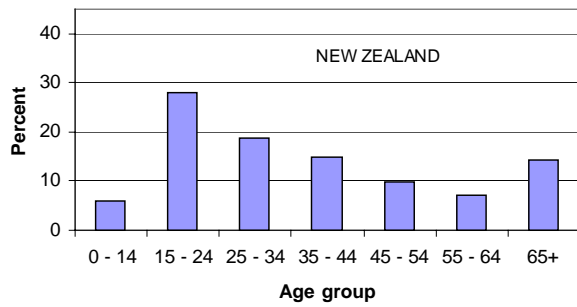


Table 5

Deaths per 100,000 Population by Year

Country	Year										
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
AUSTRALIA	11.1	10.9	11.2	10.8	9.5	9.4	9.3	9.5	9.0	8.8	8.2
AUSTRIA	16.2	16.9	15.2	12.9	13.9	12.1	13.5	12.2	11.9	11.9	11.5
BELGIUM	16.5	16.8	14.3	13.4	13.4	14.7	13.7	14.4	14.5	-	-
CANADA	12.6	11.2	11.4	10.4	10.2	9.7	9.8	9.5	8.9	9.3	-
CZECH REPUBLIC	14.8	15.8	15.4	15.2	15.5	13.2	14.1	14.5	13.0	14.0	14.2
DENMARK	10.8	10.5	11.2	9.8	9.3	9.4	9.7	9.3	8.1	8.6	-
FINLAND	9.6	9.5	8.7	7.9	8.5	7.8	8.4	7.7	8.4	8.0	7.3
FRANCE	16.6	15.6	15.3	14.7	14.4	15.2	14.4	13.6	13.8	12.9	10.2
GERMANY	12.3	12.1	11.6	10.7	10.4	9.5	9.5	9.1	8.5	8.3	8.0
GREECE	20.8	21.6	23.1	20.6	20.1	20.8	20.1	19.3	-	-	-
HUNGARY	16.3	15.2	15.5	13.4	13.7	13.5	12.9	12.0	12.2	14.0	13.1
ICELAND	6.4	4.5	9.0	3.7	5.5	9.8	7.5	11.3	8.4	10.1	7.9
IRELAND	12.1	11.3	12.1	12.5	12.9	12.4	11.0	11.0	10.7	9.6	-
ITALY	12.6	12.4	12.3	11.7	11.7	11.9	11.5	11.5	11.6	11.7	-
JAPAN	10.6	10.2	10.1	9.3	8.9	8.5	8.2	8.2	7.9	7.5	7.0
LUXEMBOURG	19.2	16.5	17.0	17.2	14.4	13.4	13.5	17.5	15.9	14.0	11.8
NETHERLANDS	8.2	8.5	8.7	7.6	7.5	6.8	6.9	6.8	6.2	6.1	6.4
NEW ZEALAND	17.0	16.2	16.0	13.8	14.4	13.2	13.4	12.1	11.8	10.3	11.5
NORWAY	6.5	6.5	7.0	5.8	6.9	8.0	6.8	7.6	6.1	6.9	6.1
POLAND	16.5	17.5	17.9	16.5	18.9	18.3	17.4	16.3	14.3	15.3	14.8
PORTUGAL	25.2	23.3	25.2	25.4	23.4	22.4	21.0	18.1	16.2	16.1	14.8
SLOVAKIA	-	-	12.3	11.5	14.6	15.2	12.0	11.6	11.4	11.3	-
SLOVENIA	24.8	25.4	20.9	19.5	18.0	15.6	16.8	15.7	13.9	13.7	12.1
SOUTH KOREA	27.4	26.3	26.6	32.3	29.3	22.7	23.2	21.8	17.1	15.2	15.1
SPAIN	16.3	14.4	14.7	14.0	14.3	15.1	14.5	14.5	13.8	13.2	-
SWEDEN	7.3	6.7	6.5	6.1	6.1	6.0	6.6	6.7	6.2	6.0	5.9
SWITZERLAND	10.5	9.7	9.9	8.7	8.3	8.4	8.2	8.3	7.6	7.1	7.5
TURKEY	14.3	-	-	-	10.6	10.1	9.2	7.6	5.6	-	-
UNITED KINGDOM	6.9	6.6	6.5	6.4	6.4	6.1	6.1	6.1	6.1	6.0	6.1
USA	15.6	15.6	15.9	15.9	15.7	15.4	15.3	14.9	14.8	14.9	-

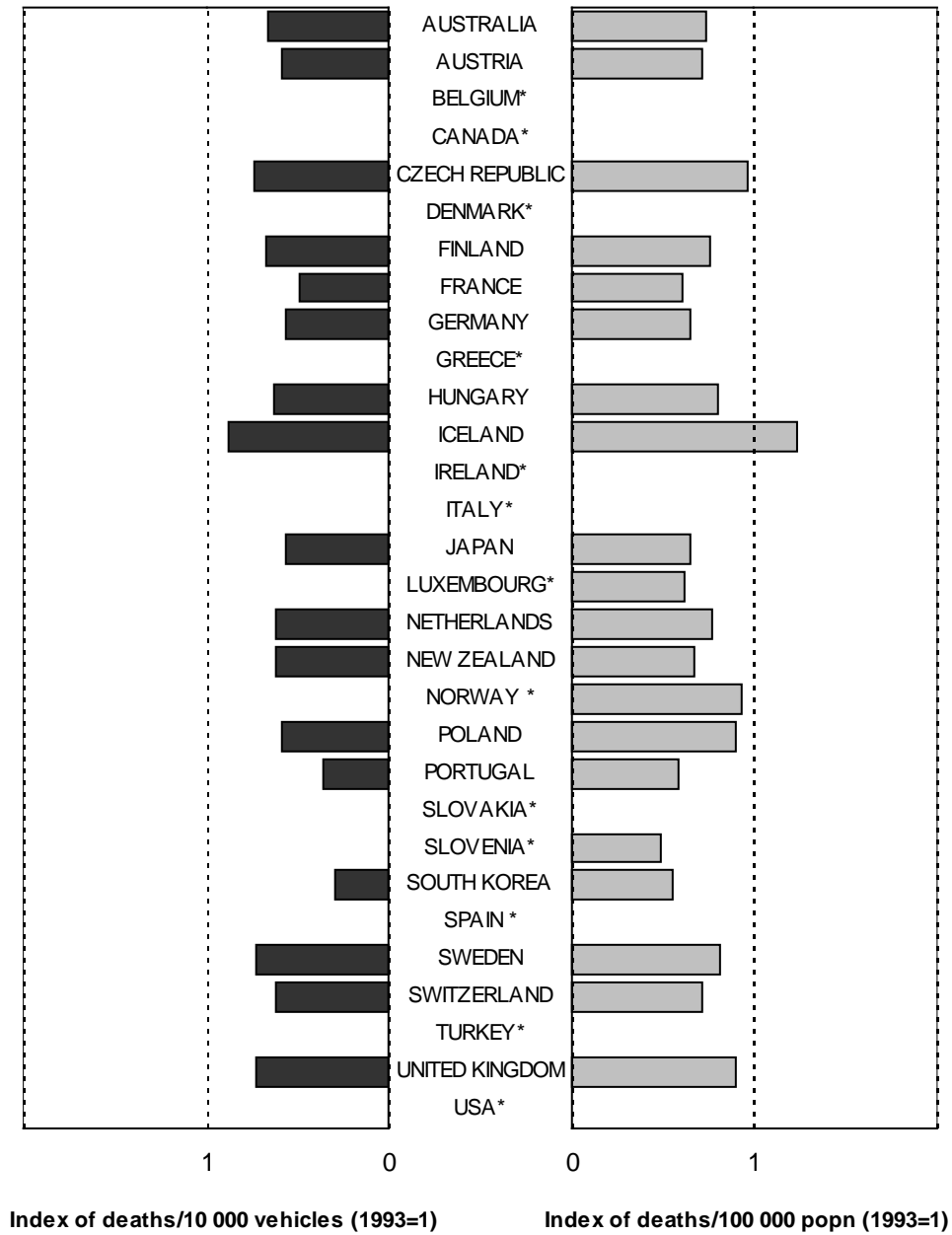
NOTES: Data are for countries that contribute data to the International Road Traffic and Accident Database.

Table 6
Deaths per 10 000 Vehicles by Year

Country	Year										
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
AUSTRALIA	1.9	1.8	1.8	1.8	1.5	1.5	1.4	-	1.4	1.3	1.2
AUSTRIA	3.1	3.1	2.7	2.3	2.4	2.0	2.2	1.9	1.8	1.8	1.8
BELGIUM	3.4	3.4	2.8	2.6	2.6	2.8	2.5	2.6	2.5	-	-
CANADA	2.2	1.9	2.0	1.8	1.7	1.6	1.7	1.6	1.5	1.6	-
CZECH REPUBLIC	4.4	4.5	4.2	4.0	3.9	3.1	3.3	3.4	3.1	3.3	3.2
DENMARK	2.7	2.6	2.7	2.3	2.2	2.1	2.2	2.1	1.8	1.9	-
FINLAND	2.1	2.2	2.0	1.8	1.9	1.7	1.8	1.6	1.7	1.6	1.4
FRANCE	3.4	3.2	3.1	3.0	2.9	2.7	2.5	2.4	2.3	2.2	1.7
GERMANY	2.2	2.1	2.0	1.8	1.7	1.6	1.5	1.5	1.3	1.3	1.2
GREECE	6.8	6.7	6.7	5.7	5.2	5.0	4.5	4.0	-	-	-
HUNGARY	6.7	6.1	6.0	5.0	5.0	4.9	4.9	4.4	4.4	4.8	4.2
ICELAND	1.3	0.9	1.8	0.7	1.0	1.7	1.2	1.8	1.2	1.4	1.1
IRELAND	3.7	3.4	3.5	3.4	3.3	3.0	2.6	2.5	2.3	2.0	-
ITALY	2.0	2.0	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	-
JAPAN	1.9	1.8	1.8	1.6	1.5	1.4	1.3	1.3	1.3	1.2	1.1
LUXEMBOURG	3.1	2.5	2.5	2.5	2.1	1.9	1.9	2.4	2.1	1.8	-
NETHERLANDS	2.0	2.0	2.0	1.7	1.7	1.5	1.5	1.4	1.2	1.2	1.2
NEW ZEALAND	2.7	2.5	2.5	2.2	2.3	2.1	2.0	1.8	1.7	1.5	1.6
NORWAY	1.3	1.2	1.3	1.1	1.3	1.4	1.2	1.3	1.0	1.1	-
POLAND	6.1	6.2	6.2	5.4	5.9	5.6	5.1	4.5	3.8	3.8	3.5
PORTUGAL	4.8	4.1	4.2	4.0	3.4	3.1	2.7	2.3	2.0	1.9	1.7
SLOVAKIA	4.2	4.6	4.5	4.0	5.1	5.2	4.2	4.1	3.9	3.3	-
SLOVENIA	-	6.6	5.0	4.5	4.0	3.2	3.4	3.1	2.7	2.6	-
SOUTH KOREA	17.1	14.1	12.5	13.5	11.1	8.0	8.2	7.8	5.8	4.9	4.9
SPAIN	3.6	3.1	3.1	2.8	2.8	2.8	2.6	2.5	2.3	2.1	-
SWEDEN	1.5	1.4	1.3	1.2	1.2	1.2	1.3	1.2	1.1	1.1	1.1
SWITZERLAND	1.8	1.7	1.7	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1
TURKEY	-	-	-	-	8.7	7.7	6.8	5.4	3.9	-	-
UNITED KINGDOM	1.6	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.2	1.1	1.1
USA	2.1	2.1	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.9	-

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

Figure 3
2003 Death Rates Compared to 1993 Rates
(1993=1)



* = incomplete data for 2003 or 1993

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	2003	23.7	11.6	37.3	27.4	76.3	931
BELGIUM	-	-	-	-	-	-	-
CANADA	2002	33.9	15.2	-	-	66.1	2930
CZECH REPUBLIC	2003	38.4	3.3	29.1	29.2	61.6	1447
DENMARK	2002	27.2	11.0	21.0	40.8	72.8	463
FINLAND	2003	26.6	1.8	40.4	31.1	73.4	379
FRANCE	2003	27.5	7.9	18.5	46.2	72.5	6058
GERMANY	2003	24.9	12.3	25.1	37.8	75.1	6613
GREECE	-	-	-	-	-	-	-
HUNGARY	2002	36.7	3.8	38.8	20.8	63.3	1429
ICELAND	2003	26.1	0.0	-	-	73.9	23
IRELAND	2002	27.4	1.3	36.7	34.6	72.6	376
ITALY	2002	43.1	11.3	-	-	56.9	6736
JAPAN	2003	51.3	3.1	-	-	48.7	8877
LUXEMBOURG	-	-	-	-	-	-	-
NETHERLANDS	2003	33.7	11.3	27.5	27.5	66.3	1028
NEW ZEALAND	2003	26.7	2.4	48.8	22.1	73.3	461
NORWAY	2003	13.9	-	-	-	86.1	280
POLAND	2003	47.0	0.7	-	-	53.0	5640
PORTUGAL	2003	42.6	8.2	39.0	10.2	57.4	1546
SLOVAKIA	2002	43.9	3.1	-	-	56.1	610
SLOVENIA	2003	29.8	9.1	22.3	38.8	70.2	242
SOUTH KOREA	2003	39.9	8.3	34.2	17.6	60.1	7212
SPAIN	2003	17.0	6.9	-	-	83.0	5399
SWEDEN	2003	25.3	6.4	-	-	74.7	529
SWITZERLAND	2003	31.3	10.6	41.8	16.3	68.7	546
TURKEY	-	-	-	-	-	-	-
UNITED KINGDOM	2002	39.3	6.4	-	-	60.7	3581
USA	2002	33.4	13.4	21.9	30.5	66.6	42815

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.

