

Australian Government

Department of Infrastructure and Transport

Bureau of Infrastructure, Transport and Regional Economics



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Bureau of Infrastructure, Transport and Regional Economics (BITRE) Department of Infrastructure and Transport GPO Box 501, Canberra ACT 2601, Australia

Telephone:(international) +61 2 6274 7210 Fax: (international) +61 2 6274 6855 Email: bitre@infrastructure.gov.au

Website: www.bitre.gov.au

Bureau of Infrastructure, Transport and Regional Economics

International Road Safety Comparisons 2011

Department of Infrastructure and Transport Canberra, Australia

At a glance

This report presents summaries of road deaths and road death rates for Organisation for Economic Co-operation and Development (OECD) nations and Australian states and territories. The rates allow for a comparison of Australia's road safety performance with that of other OECD nations by accounting for the differing levels of population, motorisation and distances travelled.

• In terms of annual deaths per 100,000 population in 2011:

Australia's rate of 5.72 was the 14th lowest rate out of the 29 nations with available data. The nations with the two lowest rates were

The United Kingdom 3.10The Netherlands 3.28

Between 2000 and 2011, the annual population-standardised risk of a road crash fatality in Australia declined by a total of 39.7 per cent. Over the same period the OECD median rate fell by 50.2 per cent and the rate corresponding to the OECD 1st quartile (indicating the set of countries with the best rates) fell by 49.8 per cent. The rates for all Australian jurisdictions decreased by between 27 per cent (Northern Territory) and 71 per cent (Australian Capital Territory).

In terms of annual deaths per 10,000 registered vehicles in 2011:

Australia's rate of 0.78 was the 11th lowest rate out of the 21 nations with available data. The nations with the two lowest rates were

lcelandThe Netherlands0.460.55

Annual road deaths in Australia, relative to vehicle ownership, declined, between 2000 and 2011 by a total of 45.6 per cent. The median rate for OECD nations declined by 58.7 per cent, and the Ist quartile declined by over 59 per cent. Australian jurisdictions achieved reductions of between 33 per cent (Western Australia) and 74 per cent (Australian Capital Territory).

• In terms of annual deaths per 100 million vehicle kilometres travelled in 2011:

Australia's rate of 0.56 was 7^{th} lowest rate out of 14 nations with available data. The nations with the two lowest rates were

Sweden 0.38Iceland 0.38

Between 2000 and 2011, Australia's rate declined by a total of 39.4 per cent whilst the OECD median declined by 49.6 per cent. For Australian jurisdictions, the reduction ranged from 27 per cent (Northern Territory) to 71 per cent (Australian Capital Territory).

Data definitions and sources

International data

The International Road Traffic Accident Database (IRTAD) is the main source for data presented in this report. IRTAD is maintained by the Joint Transport Research Centre (JTRC) of the OECD and the International Transport Forum. Each year member nations supply the JTRC with their most recent data, which may include revisions to historical data. The information provided in this document is subject to revision with each successive report in the series. Further information on IRTAD is available at http://internationaltransportforum.org/irtad/index.html

Most nations that supply road crash data to IRTAD comply with the definition of a road crash death given by the Convention of Road Traffic (Vienna, 1968), which is:

"Any person who was killed outright or who died within 30 days as a result of the accident."

Since 2005, among the nations covered in this report, only Portugal has not applied the above definition. Nations that do not comply, or did not comply in earlier years, have had correction factors applied to their death figures by IRTAD to ensure consistency within the ongoing database.

In a small number of cases, where recent data were not available from IRTAD, data were obtained from the country's relevant government agency.

Australian data

Australian road death data were extracted from the Department of Infrastructure and Transport's online Australian Road Deaths Database available at

< http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx >

Data for population and registered vehicles were obtained from the Australian Bureau of Statistics. Estimates of vehicle kilometres travelled were produced by the Bureau of Infrastructure, Transport and Regional Economics (BITRE).

Acknowledgements

BITRE gratefully acknowledges the provision of police road crash data from: Transport for NSW, New South Wales; VicRoads, Victoria; Department of Transport and Main Roads, Queensland; Department for Planning, Transport & Infrastructure, South Australia; Western Australia Police, Western Australia; Department of Infrastructure, Energy and Resources, Tasmania; Department of Lands, Planning and the Environment, Northern Territory; and Territory & Municipal Services, Australian Capital Territory.

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Road deaths per population

The number of road deaths per population is a measure of the public health risk associated with road trauma.

OECD nations, 2011

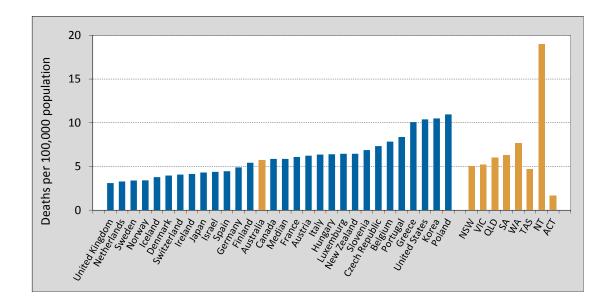
Table I Annual road deaths per 100,000 population — OECD nations and Australian states/territories, 2011

Matian	Road	Population	Deaths per 100,000
Nation	deaths	(000s)	population
United Kingdom	1,960	63,233	3.10
Netherlands	546	16,656	3.28
Sweden	319	9,416	3.39
Norway	168	4,920	3.41
Iceland	12	318	3.77
Denmark	220	5,561	3.96
Switzerland	320	7,870	4.07
Ireland	186	4,481	4.15
Japan	5,507	127,799	4.31
Israel	341	7,766	4.39
Spain	2,060	46,153	4.46
Germany	4,009	81,752	4.90
Finland	292	5,375	5.43
Australia	1,277	22,324	5.72
Canada ^a	2,025	34,484	5.87
median			5.87
France	3,963	65,027	6.09
Austria	523	8,404	6.22
Italy	3,860	60,626	6.37
Hungary	638	9,986	6.39
Luxemburg	33	512	6.45
New Zealand	284	4,405	6.45
Slovenia	141	2,050	6.88
Czech Republic	773	10,533	7.34
Belgium	858	10,951	7.83
Portugal	891	10,637	8.38
Greece	1,141	11,312	10.09
United States ^b	32,367	311,592	10.39
Korea	5,229	49,779	10.50
Poland	4,189	38,200	10.97
NSW	364	7,211	5.05
VIC	287	5,535	5.19
QLD	269	4,474	6.01
SA	103	1,638	6.29
WA	180	2,352	7.65
TAS	24	511	4.69
NT	44	231	19.02
ACT	6	368	1.63

a 2011 data for Canada is preliminary and is obtained from national government sources.

b 2011 data for United Sates is obtained from national government sources.

Figure I Annual road deaths per 100,000 population — OECD nations and Australian states/territories, 2011

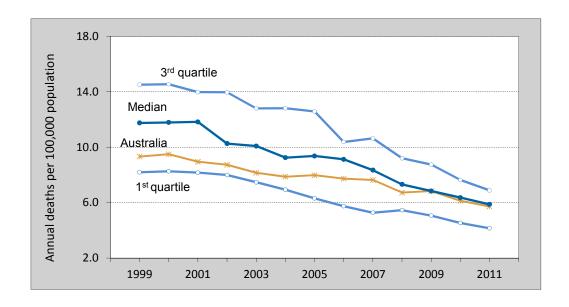


OECD nations, 1990 to 2011

Table 2 Annual road deaths per 100,000 population — OECD nations and Australian states/territories, 1990 and 1999 to 2011

Nation	1990	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
United Kingdom	9.4	6.1	6.1	6.1	6.0	6.1	5.6	5.5	5.4	5.0	4.3	3.8	3.1	3.1
Netherlands	9.2	6.9	6.8	6.2	6.1	6.4	5.0	4.6	4.5	4.3	4.1	3.9	3.2	3.3
Sweden	9.1	6.6	6.7	6.2	6.0		5.4	4.9	4.9	5.2	4.3	3.9	2.9	3.4
Norway	7.8	6.8	7.6	6.1	6.9	6.2	5.6	4.8	5.2	5.0	5.4	4.4	4.3	3.4
lceland '	9.5	7.6	11.5	8.5	10.1	8.0	7.9	6.5	10.3	4.9	3.8	5.3	2.5	3.8
Denmark	12.4	9.7	9.3	8.1	8.6	8.0	6.8	6.1	5.6	7.5	7.4	5.5	4.6	4.0
Switzerland	13.9	8.2	8.3	7.6	7.1	7.5	6.9	5.5	5.0	5.1	4.7	4.5	4.2	4.1
Ireland	13.6	11.0	11.0	10.7	9.6	8.4	8.8	9.7	8.6	7.8	6.3	5.4	4.7	4.2
Japan	11.8	8.2	8.2	7.9	7.6	7.0	6.7	6.3	5.7	5.2	4.8	4.6	4.5	4.3
Israel	8.7	7.5	7.1	8.2	7.8	6.6	6.8	6.3	5.7	5.3	5.6	4.2	4.6	4.4
Spain	23.2	14.5	14.5	13.8	12.9	12.8	11.0	10.2	9.3	8.6	6.9	5.9	5.4	4.5
Germany	14.0	9.5	9.1	8.5	8.3	8.0	7.1	6.5	6.2	6.0	5.5	5.1	4.5	4.9
Finland	13.1	8.4	7.7	8.4	8.0	7.3	7.2	7.2	6.4	7.2	6.5	5.2	5.1	5.4
Australia	13.7	9.3	9.5	8.9	8.7	8.1	7.9	8.0	7.7	7.6	6.7	6.8	6.1	5.7
Canada ^a	14.3	9.8	9.5	8.9	9.3	8.8	8.6	9.0	9.1	8.4	7.3	6.6	6.5	5.9
France	19.8	14.5	13.7	13.8	12.8	10.1	9.2	8.7	7.7	7.5	6.9	6.8	6.4	6.1
Austria	20.3	13.5	12.2	11.9	11.9	11.5	10.8	9.4	8.8	8.3	8.2	7.6	6.6	6.2
Italy	12.4	11.8	12.4	12.5	12.3	11.5	10.6	10.0	9.7	8.7	7.9	7.1	6.8	6.4
Hungary	23.4	12.9	11.8	12.2	14.0	13.1	12.8	12.7	12.9	12.2	9.9	8.2	7.4	6.4
Luxemburg	18.8	13.5	17.5	16.0	14.0	11.8	11.0	10.2	9.2	9.7	7.4	9.7	6.4	6.5
New Zealand	21.4	13.4	12.0	11.8	10.3	11.5	10.7	9.8	9.5	10.0	8.6	8.9	8.6	6.5
Slovenia	25.9	16.9	15.8	14.0	13.5	12.1	13.7	12.9	13.1	14.6	10.6	8.4	6.7	6.9
Czech Republic	12.5	14.1	14.5	13.0	14.0	14.2	13.5	12.6	10.4	11.9	10.4	8.6	7.6	7.3
Belgium	19.9	13.7	14.4	14.5	13.1	11.7	11.2	10.4	10.2	10.1	8.9	8.8	7.8	7.8
Portugal	31.2	23.2	20.0	17.9	17.8	16.3	13.6	13.0	10.6	10.6	9.2	8.7	8.8	8.4
Greece	20.2	20.1	18.7	17.2	14.9	14.6	15.1	15.0	14.9	14.4	13.9	12.9	11.1	10.1
United States ^b	17.9	15.3	14.9	14.8	15.0	14.8	14.6	14.7	14.3	13.7	12.3	11.1	10.6	10.4
Korea	33.1	23.1	21.8	17.1	15.2	15.1	13.7	13.2	13.1	12.7	12.1	12.0	11.3	10.5
Poland	19.2	17.4	16.3	14.3	15.3	14.8	15.0	14.3	13.8	14.7	14.3	12.0	10.2	11.0
NSW	13.7	9.0	9.3	8.0	8.5	8.1	7.6	7.5	7.3	6.3	5.4	6.4	5.7	5.0
VIC	12.5	8.2	8.6	9.2	8.2	6.7	6.9	6.9	6.6	6.4	5.7	5.4	5.3	5.2
QLD	13.8	9.0	8.9	8.9	8.7	8.1	8.0	8.3	8.2	8.6	7.7	7.6	5.6	6.0
SA	15.8	10.1	11.0	10.1	10.1	10.3	9.0	9.5	7.5	7.8	6.2	7.4	7.2	6.3
WA	12.2	11.8	11.3	8.7	9.3	9.2	9.0	8.1	9.7	11.1	9.4	8.5	8.4	7.7
TAS	15.4	11.2	9.1	12.9	7.8	8.6	12.0	10.5	11.2	9.1	7.8	12.5	6.1	4.7
NT	41.5	25.4	26.1	25.3	27.6	26.5	17.3	26.7	21.8	27.0	33.9	13.2	21.3	19.0
ACT	9.2	6.1	5.7	5.0	3.1	3.4	2.7	7.9	3.9	4.1	4.0	3.4	5.3	1.6

Figure 2 Annual road deaths per 100,000 population — OECD quartiles and Australia, 1999 to 2011



Road deaths per registered vehicle

The number of road deaths per registered vehicle is a means of comparing road deaths among nations by taking into account their different levels of motorisation.

OECD nations, 2011

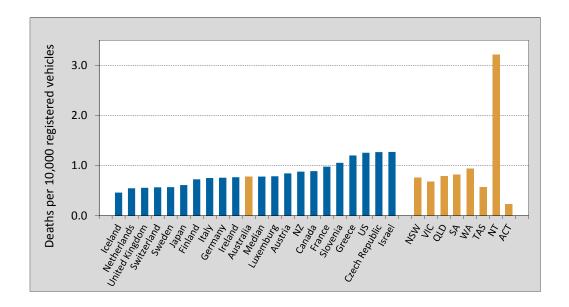
Table 3 Annual road deaths per 10,000 registered vehicles — OECD nations and Australian states/territories, 2011

Matian	Road	Total registered	Deaths per 10,000 registered
Nation	deaths	vehicles (10,000)	vehicles
Iceland	12	26.1	0.46
Netherlands	546	998.0	0.55
United Kingdom	1,960	3,528.2	0.56
Switzerland	320	564.7	0.57
Sweden	319	561.8	0.57
Japan	5,507	9,028.8	0.61
Finland	292	402.0	0.73
Italy	3,860	5,130.9	0.75
Germany	4,009	5,294.5	0.76
Ireland	186	242.5	0.77
Australia	1,277	1,636.8	0.78
median			0.78
Luxemburg	33	41.9	0.79
Austria	523	620.5	0.84
New Zealand	284	323.4	0.88
Canada ^a	2,025	2,281.1	0.89
France	3,963	4,045.7	0.98
Slovenia	141	133.8	1.05
Greece	1,141	950.4	1.20
United States ^b	32,367	25,751.2	1.26
Czech Republic	773	609.9	1.27
Israel	341	268.3	1.27
NSW	364	477.8	0.76
VIC	287	419.8	0.68
QLD	269	340.2	0.79
SA	103	126.2	0.82
WA	180	191.3	0.94
TAS	24	41.9	0.57
NT	44	13.7	3.21
ACT	6	25.9	0.23

a 2011 data for Canada is preliminary and is obtained from national government sources.

b 2011 data for United Sates is obtained from national government sources.

Figure 3 Annual road deaths per 10,000 registered vehicles — OECD nations and Australian states/territories, 2011

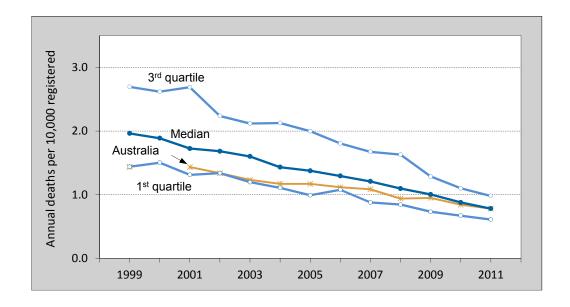


OECD nations, 1990 to 2011

Table 4 Annual road deaths per 10,000 registered vehicles — OECD nations and Australian states/territories, 1990 and 1999 to 2011

Nation	1990	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Iceland	1.7	1.3	1.8	1.3	1.5	1.1	1.1	0.9	1.3	0.6	0.5	0.7	0.3	0.5
Netherlands	2.2	1.4	1.3	1.2	1.1	1.2	0.9	8.0	0.8	0.8	0.7	0.7	0.5	0.5
United Kingdom	2.1	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.5	0.6
Switzerland	2.2	1.2	1.2	1.1	1.0	1.1	1.0	0.8	0.7	0.7	0.7	0.6	0.6	0.6
Sweden	1.7	1.2	1.2	1.1	1.1	1.0	0.9	8.0	0.8	0.9	0.7	0.6	0.5	0.6
Japan	1.9	1.2	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6
Finland	2.8	1.7	1.5	1.6	1.5	1.4	1.3	1.3	1.1	1.2	1.0	0.8	0.7	0.7
Italy	2.1	1.6	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.1	0.9	0.8	0.8	8.0
Germany	2.6	1.5	1.4	1.3	1.2	1.2	1.0	1.0	0.9	0.9	0.9	0.8	0.7	8.0
Ireland	4.5	2.6	2.5	2.3	2.0	1.7	1.8	1.9	1.6	1.4	1.1	1.0	0.9	8.0
Australia	2.3	1.4	-	1.4	1.3	1.2	1.2	1.2	1.1	1.1	0.9	0.9	0.8	8.0
Luxemburg	3.3	1.9	2.4	2.1	1.8	1.5	1.4	1.3	1.1	1.2	0.9	-	-	8.0
Austria	3.7	2.0	1.8	1.7	1.7	1.7	1.6	1.4	1.3	1.2	1.2	1.1	0.9	8.0
New Zealand	3.3	2.0	1.8	1.7	1.5	1.6	1.5	1.3	1.3	1.3	1.1	1.2	1.2	0.9
Canada	2.3	1.7	1.6	1.5	1.6	1.5	1.4	1.5	1.5	1.3	1.2	1.0	1.0	0.9
France	3.6	2.4	2.3	2.2	2.0	1.6	1.5	1.4	1.2	1.2	1.1	1.1	1.0	1.0
Slovenia	6.9	3.6	3.2	2.8	2.6	2.2	2.5	2.3	2.2	2.4	1.7	1.3	1.0	1.1
Greece	7.4	3.4	3.1	2.7	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.5	1.3	1.2
Czech Republic	3.3	2.9	3.2	2.9	3.0	3.0	2.8	2.5	2.0	2.2	1.9	1.5	1.3	1.3
Israel	4.1	2.7	2.4	2.8	2.6	2.2	2.3	2.1	1.9	1.7	1.7	1.3	1.4	1.3
United States ^b	2.4	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.6	1.4	1.3	1.3	1.3
Canada ^a	2.3	1.7	1.6	1.5	1.6	1.5	1.4	1.5	1.5	1.3	1.2	1.0	1.0	-
Spain	5.1	2.3	2.2	2.1	2.0	2.0	1.7	1.5	1.3	1.2	0.9	0.8	0.7	-
Poland	8.1	5.1	4.5	3.8	3.8	3.5	3.4	3.2	2.9	2.9	2.5	2.1	1.7	-
Portugal	13.4	4.3	3.9	3.4	3.3	3.0	2.5	2.3	1.8	1.8	1.6	1.5	-	-
Norway	1.4	1.1	1.2	1.0	1.1	1.0	0.9	0.7	8.0	0.7	0.8	-	-	-
Hungary	11.2	4.9	4.4	4.4	4.8	4.2	3.9	3.8	3.8	3.5	2.7	-	-	-
Korea	28.9	7.2	6.9	5.1	4.4	4.1	3.6	3.4	3.3	3.2	2.9	-	-	-
Denmark	2.9	2.1	2.0	1.7	1.8	1.7	1.4	1.3	1.2	1.5	-	-	-	-
NSW	2.5	1.6	-	1.4	1.5	1.4	1.3	1.2	1.2	1.0	0.8	1.0	0.9	0.8
VIC	2.1	1.2	-	1.3	1.2	0.9	1.0	0.9	0.9	0.9	0.8	0.7	0.7	0.7
QLD	2.3	1.4	-	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.0	1.0	0.7	0.8
SA	2.6	1.5	-	1.5	1.4	1.5	1.3	1.3	1.0	1.1	0.8	1.0	1.0	0.8
WA	1.9	1.6	-	1.2	1.3	1.3	1.2	1.1	1.2	1.4	1.2	1.0	1.0	0.9
TAS	2.4	1.6	_	1.8	1.1	1.2	1.7	1.4	1.5	1.2	1.0	1.6	0.8	0.6
NT	8.6	4.7	-	4.9	5.3	5.1	3.3	5.0	3.9	4.9	6.1	2.3	3.6	3.2
ACT	1.6	1.0	-	0.8	0.5	0.5	0.4	1.2	0.6	0.6	0.6	0.5	0.8	0.2

Figure 4 Annual road deaths per 10,000 registered vehicles — OECD quartiles and Australia, 1999 to 2011



Road deaths per vehicle kilometres travelled

The number of road deaths per vehicle kilometres travelled is a risk measure which takes account of the estimated amount of vehicle travel.

OECD nations, 2011

Table 5 Annual road deaths per 100 million vehicle kilometres travelled

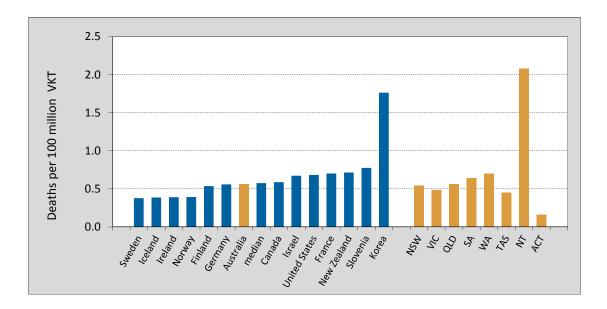
— OECD nations and Australian states/territories, 2011

deaths (100 million) VKTs Sweden 319 844 0.38 Iceland 12 31 0.39 Ireland 186 476 0.39 Norway 168 429 0.39 Finland 292 545 0.54 Germany 4,009 7,176 0.56 Australia 1,277 2,272 0.56 median 0.58 0.59 Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77	Maria	Road	Total VKT	Deaths per 100 million
Iceland 12 31 0.39 Ireland 186 476 0.39 Norway 168 429 0.39 Finland 292 545 0.54 Germany 4,009 7,176 0.56 Australia 1,277 2,272 0.56 median 0.58 0.59 Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Nation	deaths	(100 million)	VKTs
Ireland 186 476 0.39 Norway 168 429 0.39 Finland 292 545 0.54 Germany 4,009 7,176 0.56 Australia 1,277 2,272 0.56 median 0.58 0.59 Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Sweden	319	844	0.38
Norway 168 429 0.39 Finland 292 545 0.54 Germany 4,009 7,176 0.56 Australia 1,277 2,272 0.56 median 0.58 0.59 Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Iceland	12	31	0.39
Finland 292 545 0.54 Germany 4,009 7,176 0.56 Australia 1,277 2,272 0.56 median 0.58 0.58 Canada ^a 2,025 3,438 0.59 Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Ireland	186	476	0.39
Germany 4,009 7,176 0.56 Australia 1,277 2,272 0.56 median 0.58 0.59 Canada ^a 2,025 3,438 0.59 Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Norway	168	429	0.39
Australia 1,277 2,272 0.56 median 0.58 Canada³ 2,025 3,438 0.59 Israel 341 507 0.67 United States¹ 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Finland	292	545	0.54
Australia 1,277 2,272 0.56 median 0.58 Canada ^a 2,025 3,438 0.59 Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Germany	4,009	7,176	0.56
Canada ^a 2,025 3,438 0.59 Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45		1,277	2,272	0.56
Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	median			0.58
Israel 341 507 0.67 United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Canada ^a	2,025	3,438	0.59
United States ^b 32,367 47,411 0.68 France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45		341	507	0.67
France 3,963 5,650 0.70 New Zealand 284 398 0.71 Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45		32,367	47,411	0.68
Slovenia 141 182 0.77 Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45		3,963	5,650	0.70
Korea 5,229 2,965 1.76 NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	New Zealand	284	398	0.71
NSW 364 670 0.54 VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Slovenia	141	182	0.77
VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	Korea	5,229	2,965	1.76
VIC 287 595 0.48 QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45	NSW	364	670	0.54
QLD 269 479 0.56 SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45				
SA 103 161 0.64 WA 180 257 0.70 TAS 24 54 0.45				
WA 180 257 0.70 TAS 24 54 0.45				
TAS 24 54 0.45				
11 2.00				
				0.16

a 2011 data for Canada is preliminary and is obtained from national government sources.

b 2011 data for United Sates is obtained from national government sources.



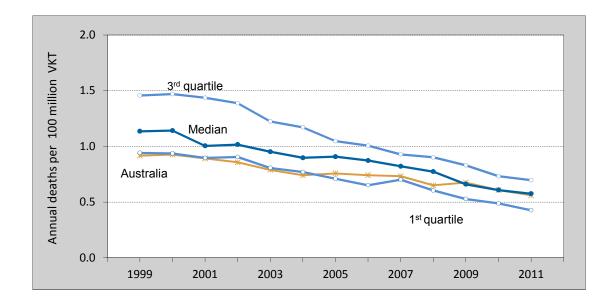


OECD nations, 1990 to 2011

Table 6 Annual road deaths per 100 million vehicle kilometres travelled — OECD nations and Australian states/territories, 1990 and 1999 to 2011

Nation	1990	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Sweden	1.2	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.4
Iceland	1.5	0.9	1.4	1.0	1.2	0.9	0.9	0.7	1.0	0.5	0.4	0.5	0.3	0.4
Ireland	1.9	1.2	1.2	1.1	1.0	0.9	0.9	0.9	8.0	0.7	0.6	0.5	0.4	0.4
Norway	1.2	1.0	1.0	0.8	0.9	0.8	0.7	0.6	0.7	0.6	0.6	0.5	0.5	0.4
Finland	1.6	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.6	0.7	0.6	0.5	0.5	0.5
Germany	2.0	1.2	1.1	1.0	1.0	1.0	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.6
Australia	1.4	0.9	0.9	0.9	0.9	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.6	0.6
Canada ^a	-	-	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.6
Israel	2.2	1.3	1.2	1.4	1.4	1.1	1.2	1.0	0.9	0.8	0.9	0.6	0.7	0.7
United States ^b	1.3	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7
France	2.6	1.6	1.6	1.5	1.4	1.1	1.0	1.0	0.8	0.8	0.8	0.8	0.7	0.7
New Zealand	-	-	1.4	1.3	1.1	1.2	1.1	1.0	1.0	1.0	0.9	1.0	0.9	0.7
Slovenia	6.5	2.9	2.7	2.3	2.2	1.7	1.8	1.7	1.6	1.7	1.2	1.0	0.8	8.0
Korea	-	-	4.9	3.3	2.8	2.6	2.3	1.8	1.9	1.9	1.8	2.0	1.9	1.8
United Kingdom	-	-	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	-	0.5	0.4	-
Netherlands	1.4	0.9	0.9	0.8	0.8	0.8	-	-	-	-	0.5	0.5	0.4	-
Switzerland	1.9	1.1	1.1	1.0	0.9	1.0	0.9	0.7	0.6	0.6	0.6	0.6	0.5	-
Denmark	1.7	1.1	1.1	0.9	1.0	-	0.8	0.7	0.6	0.8	0.9	0.7	0.6	-
Austria	2.8	1.5	1.5	1.4	1.4	1.3	1.3	1.1	1.0	0.9	0.9	0.8	0.7	-
Belgium	2.8	1.6	1.6	1.6	1.5	1.3	1.2	1.1	1.1	1.1	1.0	1.0	0.9	-
Czech Republic	4.8	3.6	3.7	3.2	3.3	3.2	2.9	2.6	2.1	2.3	1.9	1.6	1.6	-
Japan	2.3	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	8.0	8.0	-	-
NSW	1.6	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.6	0.7	0.6	0.5
VIC	1.2	0.8	0.8	0.9	0.8	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
QLD	1.4	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.5	0.6
SA	1.7	1.0	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.6	0.8	0.7	0.6
WA	1.2	1.0	1.0	0.8	0.8	0.8	0.8	0.7	0.9	1.0	0.8	0.7	0.8	0.7
TAS	1.7	1.1	0.9	1.3	0.8	0.8	1.1	1.0	1.1	0.9	0.7	1.2	0.6	0.4
NT	4.7	2.7	2.8	2.8	3.1	2.9	1.9	2.9	2.4	3.0	3.7	1.5	2.4	2.1
ACT	1.0	0.6	0.6	0.5	0.3	0.3	0.3	0.7	0.4	0.4	0.4	0.3	0.5	0.2

Figure 6 Annual road deaths per 100 million vehicle kilometres travelled — OECD quartiles and Australia, 1999 to 2011



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