



Australian Government

Department of Infrastructure and Transport

Bureau of Infrastructure, Transport and Regional Economics

STATISTICAL REPORT



bitre

Road

**International road safety comparisons
2010**

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ISBN: 978-1-921769-69-6

INFRA1394/APRIL 2012

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An appropriate citation for this report is:

Bureau of Infrastructure, Transport and Regional Economics (BITRE), 2012, *International Road Safety Comparisons*, Statistical Report, BITRE, Canberra ACT.

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Bureau of Infrastructure, Transport and Regional Economics

International Road Safety Comparisons 2010

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 2010 :

- Australia's rate of 6.05 was the 16th lowest rate out of the 32 nations with available data;
- the nations with the three lowest rates were
 - Iceland 2.52
 - Sweden 2.85
 - The United Kingdom 3.07.

In terms of annual deaths per 10,000 registered vehicles in 2010 :

- Australia's rate of 0.84 was the 13th lowest rate out of the 28 nations with available data;
- the nations with the three lowest rates were
 - Iceland 0.31
 - Sweden 0.49
 - The United Kingdom 0.54.

In terms of annual deaths per 100 million vehicle-kilometres travelled in 2010 :

- Australia's rate of 0.61 was 11th lowest rate out of 18 nations with available data;
- the nations with the three lowest rates in 2008 were
 - Iceland 0.26
 - Sweden 0.32
 - The United Kingdom 0.37.

Within Australia:

- Rate per 100,000 population (in 2010):
 - The lowest rate was achieved in Victoria with 5.20. The highest rate was in the Northern Territory at 21.37;
- Rate per 10,000 registered vehicles (in 2010):
 - Victoria had the lowest rate with 0.70. The highest was in the Northern Territory at 3.64;
- Rate per 100 million vehicle-kilometres travelled (in 2010):
 - Victoria had the lowest rate with 0.50. The highest was in the Northern Territory at 2.45.

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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 (JRTC) of the OECD and the International Transport Forum. Each year member nations supply the JRTC 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 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 extracted from the country’s relevant government website or from OECD *Statistical Profiles*.

Australian data

Australian state and territory 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 >

Population information was obtained from the Australian Bureau of Statistics’ (ABS) publication *Australian Demographic Statistics (3101.0)*. Registered vehicle information was obtained from the ABS publication *Motor Vehicle Census (9309.0)*. Vehicle kilometres travelled information was obtained from BITRE Research Report 124. ABS publications are available at < www.abs.gov.au >

Acknowledgements

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

Road deaths per Population

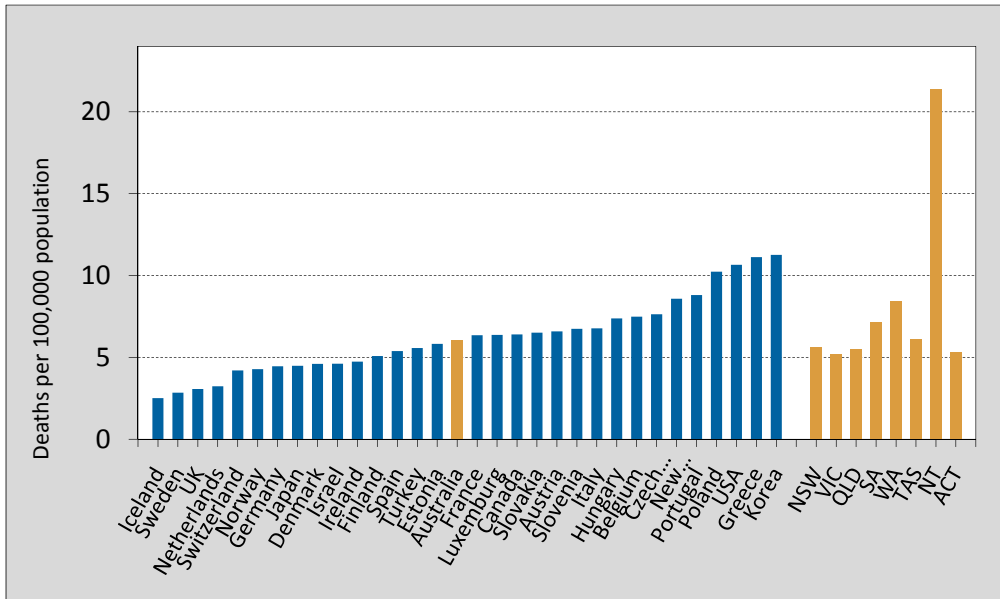
The number of road deaths per population is a measure of the public health risk associated with road trauma.

OECD nations, 2010

Table I Road deaths per 100,000 population—OECD nations and Australian states/territories, 2010

Nation	Road deaths	Population (000s)	Deaths per 100,000 population
Iceland	8	318	2.52
Sweden	266	9,341	2.85
UK	1,905	62,027	3.07
Netherlands	537	16,575	3.24
Switzerland	327	7,786	4.20
Norway	208	4,858	4.28
Germany	3,648	81,802	4.46
Japan	5,745	128,059	4.49
Denmark	255	5,535	4.61
Israel	352	7,623	4.62
Ireland	212	4,468	4.74
Finland	272	5,351	5.08
Spain	2,478	45,989	5.39
Turkey	4,045	72,561	5.57
Estonia	78	1,340	5.82
Australia	1,352	22,342	6.05
OECD Median	-	-	6.20
France	3,992	62,799	6.36
Luxemburg	32	502	6.37
Canada	2,185	34,109	6.41
Slovakia	353	5,425	6.51
Austria	552	8,375	6.59
Slovenia	138	2,047	6.74
Italy	4,090	60,340	6.78
Hungary	739	10,014	7.38
Belgium	812	10,840	7.49
Czech Republic	802	10,507	7.63
New Zealand	375	4,368	8.59
Portugal	937	10,637	8.81
Poland	3,907	38,167	10.24
USA	32,885	308,746	10.65
Greece	1,258	11,305	11.13
Korea	5,505	48,875	11.26
NSW	405	7,222	5.61
Vic	288	5,540	5.20
Qld	249	4,506	5.53
SA	118	1,644	7.18
WA	193	2,291	8.43
Tas	31	507	6.11
NT	49	229	21.37
ACT	19	359	5.30

Figure 1 Road deaths per 100,000 population for OECD nations and Australian states/territories, 2010

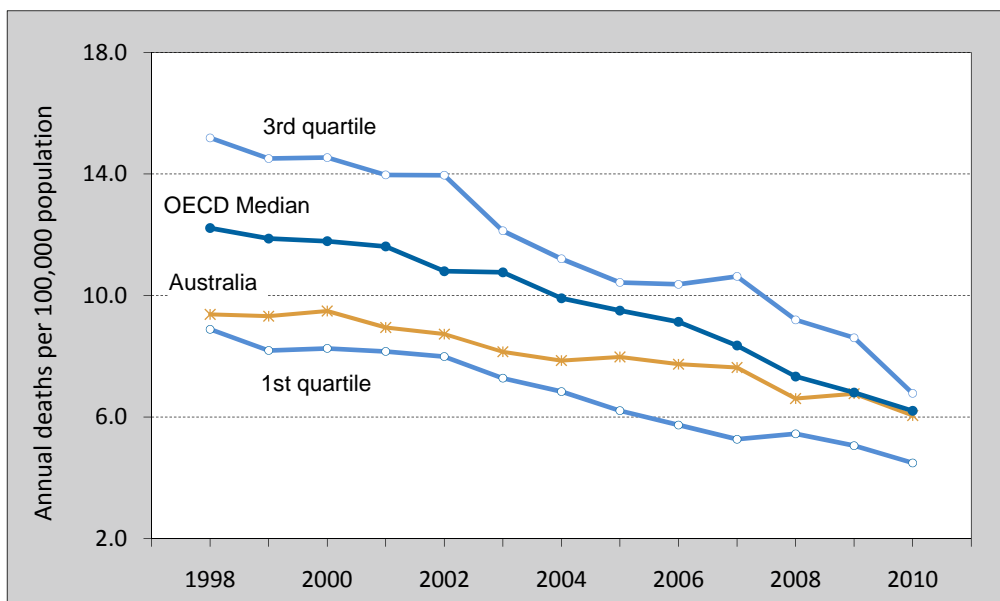


OECD nations, 1990 to 2010

Table 2 Annual road deaths per 100,000 population—OECD nations and Australian states/territories, 1990 and 1998 to 2010

Nation	1990	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Iceland	9.5	9.9	7.6	11.5	8.5	10.1	8.0	7.9	6.5	10.3	4.9	3.8	5.3	2.5
Sweden	9.1	6.0	6.6	6.7	6.2	6.0	5.9	5.4	4.9	4.9	5.2	4.3	3.9	2.9
UK	9.4	6.1	6.1	6.1	6.1	6.0	6.1	5.6	5.5	5.4	5.0	4.3	3.8	3.1
Netherlands	9.2	6.8	6.9	6.8	6.2	6.1	6.4	5.0	4.6	4.5	4.3	4.1	3.9	3.2
Switzerland	13.9	8.4	8.2	8.3	7.6	7.1	7.5	6.9	5.5	5.0	5.1	4.7	4.5	4.2
Norway	7.8	8.0	6.8	7.6	6.1	6.9	6.2	5.6	4.8	5.2	5.0	5.4	4.4	4.3
Germany	14.0	9.5	9.5	9.1	8.5	8.3	8.0	7.1	6.5	6.2	6.0	5.5	5.1	4.5
Japan	11.8	8.5	8.2	8.2	7.9	7.5	7.0	6.7	6.2	5.7	5.2	4.7	4.5	4.5
Denmark	12.4	9.4	9.7	9.3	8.1	8.6	8.0	6.8	6.1	5.6	7.5	7.4	5.5	4.6
Israel	8.7	8.9	7.5	7.1	8.2	7.8	6.6	6.8	6.3	5.7	5.3	5.6	4.2	4.6
Ireland	13.6	12.4	11.0	11.0	10.7	9.6	8.4	8.8	9.7	8.6	7.8	6.3	5.4	4.7
Finland	13.1	7.8	8.4	7.7	8.4	8.0	7.3	7.2	7.2	6.4	7.2	6.5	5.2	5.1
Spain	23.2	15.1	14.5	14.5	13.8	12.9	12.8	11.0	10.2	9.3	8.6	6.9	5.9	5.4
Turkey	14.8	-	-	-	-	-	5.6	6.2	6.2	6.2	6.8	5.7	5.8	5.6
Estonia	-	-	-	-	-	-	16.4	12.1	12.6	12.6	14.6	9.8	7.5	5.8
Australia	13.7	9.4	9.3	9.5	9.0	8.7	8.2	7.9	8.0	7.7	7.6	6.6	6.8	6.1
France	19.8	15.2	14.5	13.7	13.8	12.8	10.1	9.2	8.7	7.7	7.5	6.9	6.8	6.4
Luxemburg	18.8	13.4	13.5	17.5	16.0	14.0	11.8	11.0	10.2	9.2	9.7	7.4	9.7	6.4
Canada	14.9	9.6	9.8	9.4	8.9	9.3	8.8	8.6	9.0	9.1	8.4	7.3	6.6	6.4
Slovakia	-	15.2	12.0	11.6	11.4	11.3	12.0	11.2	10.4	10.7	11.6	12.2	11.2	6.5
Austria	20.3	12.1	13.5	12.2	11.9	11.9	11.5	10.8	9.4	8.8	8.3	8.2	7.6	6.6
Slovenia	25.9	15.6	16.9	15.8	14.0	13.5	12.1	13.7	12.9	13.1	14.6	10.6	8.4	6.7
Italy	12.4	11.9	11.8	12.4	12.5	12.3	11.5	10.6	10.0	9.7	8.7	7.9	7.1	6.8
Hungary	23.4	13.5	12.9	12.0	12.2	14.0	13.1	12.8	12.7	12.9	12.2	9.9	8.2	7.4
Belgium	19.9	14.7	13.7	14.4	14.5	13.1	11.7	11.2	10.4	10.2	10.1	8.9	8.8	7.5
Czech Republic	12.5	13.2	14.1	14.5	13.0	14.0	14.2	13.5	12.6	10.4	11.9	10.4	8.6	7.6
New Zealand	21.4	13.2	13.4	12.1	11.8	10.3	11.5	10.7	9.9	9.5	10.0	8.6	8.9	8.6
Portugal	31.2	24.8	23.2	20.0	17.9	17.8	16.3	13.6	13.0	10.6	10.6	9.2	8.7	8.8
Poland	19.2	18.3	17.4	16.3	14.3	15.3	14.8	15.0	14.3	13.8	14.7	14.3	12.0	10.2
USA	17.9	15.4	15.3	15.3	14.8	14.9	14.8	14.6	14.7	14.3	13.7	12.3	11.1	10.7
Greece	20.2	20.8	20.1	18.7	17.2	14.9	14.6	15.1	15.0	14.9	14.4	13.9	12.9	11.1
Korea	33.1	22.5	23.1	21.8	17.1	15.2	15.1	13.7	13.2	13.1	12.7	12.1	12.0	11.3
NSW	13.7	8.8	9.0	9.3	8.0	8.5	8.1	7.6	7.5	7.3	6.3	5.3	6.4	5.6
Vic	12.5	8.4	8.2	8.6	9.2	8.2	6.7	6.9	6.9	6.6	6.4	5.7	5.3	5.2
Qld	13.8	8.1	9.0	8.9	8.9	8.7	8.1	8.0	8.3	8.2	8.6	7.6	7.5	5.5
SA	15.8	11.3	10.1	11.0	10.1	10.1	10.3	9.0	9.5	7.5	7.8	6.2	7.3	7.2
WA	12.2	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
Tas	15.4	10.2	11.2	9.1	12.9	7.8	8.6	12.0	10.5	11.2	9.1	7.8	12.5	6.1
NT	41.5	36.3	25.4	26.1	25.3	27.6	26.5	17.3	26.7	21.8	27.0	34.0	13.7	21.4
ACT	9.2	7.1	6.1	5.7	5.0	3.1	3.4	2.7	7.9	3.9	4.1	4.0	3.4	5.3

Figure 2 Annual road deaths per 100,000 population — Australia and OECD quartiles, 1998 to 2010



Between 1998 and 2010 the population-standardised risk of a road crash fatality in Australia declined by a total of 36 per cent. Over the same period, the OECD median fell by 49 per cent, the third quartile fell by 55 per cent and the first quartile fell by 49 per cent. Not shown is the maximum rate amongst the OECD countries, but this has also fallen and presently is lower than the median rate of 10 years ago. During this period, the rate for each Australian jurisdiction has fallen significantly.

It is clear from Tables (1) and (2) that significant differences exist amongst the rates for the various countries. Also it can be seen from Table (2) that for most countries, large falls in the rates occurred between 2009 and 2010. The reasons for the differences between countries are not clear. The economic conditions in especially Europe and the United States may have affected the amount of travel and thus risk, but reductions occurred on a VKT basis as well, (Table 6). Another possible reason for the falls seen in European countries is the severe weather conditions experienced in 2010.

Key safety issues in the behavioural sphere are seatbelts/helmets, alcohol, speeding and distraction. All the countries examined have enforcement programs at various stages of implementation and evolution to address these. Other differences between countries exist in the safety technology of the vehicle fleet. The road network, infrastructure and travel patterns vary amongst the countries as well. For these reasons, it is difficult to give definitive explanations for the diverse results amongst the countries.

Road deaths per registered vehicle

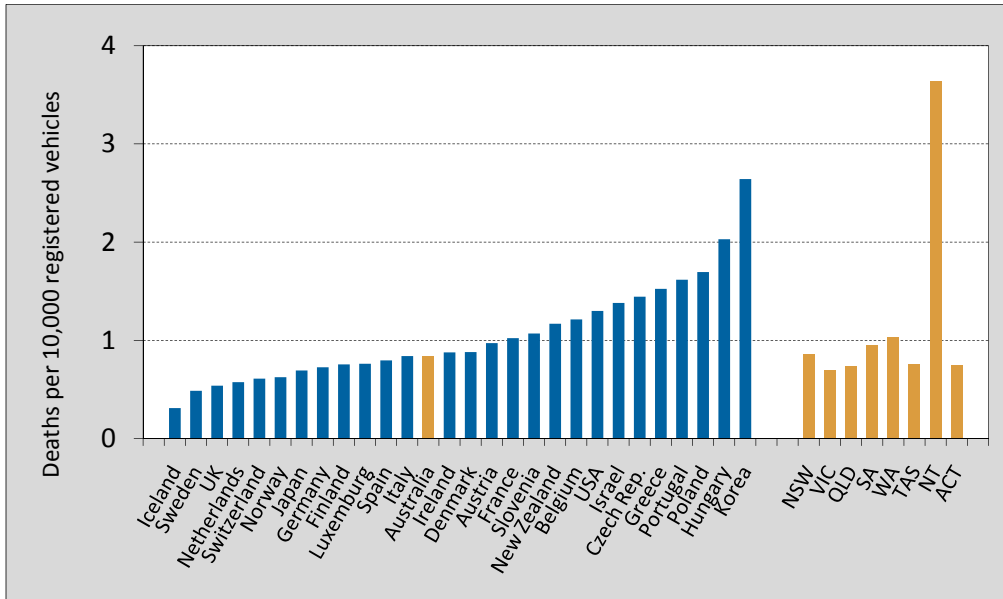
The number of deaths per registered vehicle is a means of comparing road deaths among nations by taking into account their different levels of motorisation.

OECD nations, 2010

Table 3 Road deaths per 10,000 registered vehicles—OECD nations and Australian states/territories, 2010

Nation	Road deaths	Total registered vehicles (000s) 2010	Deaths per 10,000 registered vehicles, 2010
Iceland	8	257	0.31
Sweden	266	5,453	0.49
UK	1,905	35,278	0.54
Netherlands	537	9,340	0.57
Switzerland	327	5,360	0.61
Norway	208	3,326	0.63
Japan	5,745	82,770	0.69
Germany	3,648	50,184	0.73
Finland	272	3,595	0.76
Luxemburg	32	420	0.76
Spain	2,478	31,086	0.80
Italy	4,090	48,662	0.84
Australia	1,352	16,061	0.84
Ireland	212	2,416	0.88
OECD Median	-	-	0.88
Denmark	255	2,891	0.88
Austria	552	5,675	0.97
France	3,992	39,026	1.02
Slovenia	138	1,290	1.07
New Zealand	375	3,204	1.17
Belgium	812	6,689	1.21
USA	32,885	252,962	1.30
Israel	352	2,547	1.38
Czech Republic	802	5,548	1.45
Greece	1,258	8,249	1.53
Portugal	937	5,795	1.62
Poland	3,907	23,037	1.70
Hungary	739	3,640	2.03
Korea	5,505	20,832	2.64
Canada	2,185	na	-
Estonia	78	na	-
Slovakia	353	na	-
Turkey	4,045	na	-
NSW	405	4,681	0.87
VIC	288	4,113	0.70
QLD	249	3,358	0.74
SA	118	1,240	0.95
WA	193	1,870	1.03
TAS	31	410	0.76
NT	49	135	3.64
ACT	19	254	0.75

Figure 3 Road deaths per 10,000 registered vehicles for OECD nations and Australian states/territories, 2010

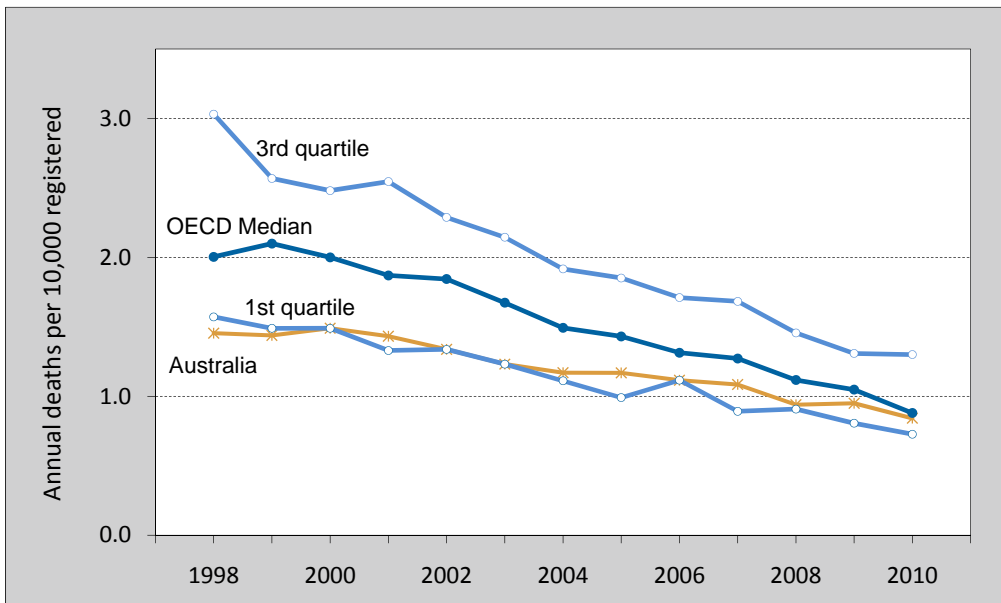


OECD nations, 1990 to 2010

Table 4 Road deaths per 10,000 registered vehicles—OECD nations and Australian states/territories, 1990 and 1998 to 2010

Nation	1990	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Iceland	1.7	1.8	1.3	1.8	1.3	1.5	1.1	1.1	0.9	1.3	0.6	0.5	0.7	0.3
Sweden	1.8	1.2	1.3	1.2	1.1	1.1	1.1	0.9	0.9	0.9	0.9	0.7	0.7	0.5
UK	2.2	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.5
Netherlands	2.3	1.5	1.5	1.4	1.3	1.2	1.2	0.9	0.9	0.8	0.8	0.7	0.7	0.6
Switzerland	2.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.8	0.7	0.7	0.7	0.7	0.6
Norway	1.5	1.4	1.2	1.3	1.0	1.1	1.0	0.9	0.8	0.8	0.7	0.8	0.7	0.6
Japan	2.4	1.4	1.3	1.3	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.7	0.7	0.7
Germany	2.6	1.6	1.5	1.5	1.3	1.3	1.2	1.1	1.0	0.9	0.9	0.9	0.8	0.7
Finland	2.9	1.7	1.8	1.6	1.7	1.6	1.4	1.4	1.3	1.1	1.2	1.1	0.8	0.8
Luxemburg	3.3	1.9	1.9	2.4	2.1	1.8	1.5	1.4	1.3	1.1	1.2	0.9	1.2	0.8
Spain	5.8	2.8	2.6	2.5	2.3	2.1	2.1	1.8	1.6	1.4	1.3	1.0	0.9	0.8
Italy	2.3	1.8	1.7	1.8	1.7	1.7	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
Australia	2.3	1.5	1.4	1.5	1.4	1.3	1.2	1.2	1.2	1.1	1.1	0.9	0.9	0.8
Ireland	4.5	3.0	2.6	2.5	2.3	2.0	1.7	1.8	1.9	1.6	1.4	1.1	1.0	0.9
Denmark	3.1	2.1	2.2	2.1	1.8	1.9	1.7	1.5	1.3	1.2	1.5	1.4	1.0	0.9
Austria	4.2	2.0	2.2	1.9	1.8	1.8	1.8	1.7	1.5	1.4	1.3	1.2	1.1	1.0
France	4.2	2.7	2.5	2.4	2.3	2.1	1.7	1.5	1.4	1.3	1.2	1.1	1.1	1.0
Slovenia	6.9	3.5	3.6	3.2	2.8	2.6	2.3	2.6	2.4	2.3	2.5	1.8	1.3	1.1
New Zealand	3.3	2.1	2.0	1.8	1.7	1.5	1.6	1.5	1.3	1.3	1.3	1.1	1.2	1.2
Belgium	4.3	2.8	2.5	2.6	2.5	2.3	2.0	1.9	1.8	1.7	1.7	1.5	1.4	1.2
USA	2.4	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.3	1.3
Israel	4.1	3.2	2.7	2.5	2.8	2.6	2.2	2.3	2.1	1.9	1.7	1.7	1.3	1.4
Czech Republic	4.0	3.1	3.3	3.4	3.1	3.3	3.2	3.0	2.7	2.1	2.3	2.0	1.6	1.5
Greece	7.4	5.0	4.5	4.0	3.5	2.9	2.7	2.6	2.5	2.4	2.2	2.0	1.8	1.5
Portugal	13.4	5.6	4.9	4.3	3.7	3.6	3.3	2.7	2.5	1.9	1.9	1.7	1.6	1.6
Poland	8.1	5.6	5.1	4.5	3.8	3.8	3.5	3.4	3.2	2.9	2.9	2.5	2.1	1.7
Hungary	11.2	4.9	4.9	4.4	4.4	4.8	4.2	3.9	3.8	3.8	3.5	2.7	2.2	2.0
Korea	28.9	7.1	7.2	6.9	5.1	4.4	4.1	3.6	3.4	3.3	3.2	2.9	2.9	2.6
Canada	2.3	1.6	1.7	1.6	1.5	1.6	1.5	1.4	1.5	1.5	1.3	1.1	1.0	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slovakia	4.2	-	4.2	4.1	3.9	3.3	-	-	-	-	-	-	-	-
Turkey	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-
NSW	2.5	1.5	1.6	1.6	1.4	1.5	1.4	1.3	1.2	1.2	1.0	0.8	1.0	0.9
Vic	2.1	1.2	1.2	1.2	1.3	1.2	0.9	1.0	0.9	0.9	0.9	0.8	0.7	0.7
Qld	2.3	1.3	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.0	1.0	0.7
SA	2.6	1.6	1.5	1.6	1.5	1.4	1.5	1.3	1.3	1.0	1.1	0.8	1.0	1.0
WA	1.9	1.7	1.6	1.6	1.2	1.3	1.3	1.2	1.1	1.2	1.4	1.2	1.0	1.0
Tas	2.4	1.5	1.6	1.3	1.8	1.1	1.2	1.7	1.4	1.5	1.2	1.0	1.6	0.8
NT	8.6	6.8	4.7	5.0	4.9	5.3	5.1	3.3	5.0	3.9	4.9	6.1	2.3	3.6
ACT	1.6	1.1	1.0	0.9	0.8	0.5	0.5	0.4	1.2	0.6	0.6	0.6	0.5	0.8

Figure 4 Annual road deaths per registered vehicle — Australia and OECD quartiles, 1998 to 2010



Road deaths in Australia, relative to vehicle ownership, declined significantly between 1998 and 2010. In 1998 there were 1.45 annual deaths per 10,000 registered vehicles, while in 2010 it had decreased by 42 per cent to a rate of 0.84. The median rate for OECD nations also declined significantly. In 1998 it was 2.00, and in 2010 it had dropped by 56 per cent to 0.88.

Like the rates standardised by population, the rates by vehicle registrations for Australian jurisdictions have all fallen significantly. In most cases, the drop from 1998 to 2010 is over 40 per cent.

Road deaths per vehicle kilometres travelled

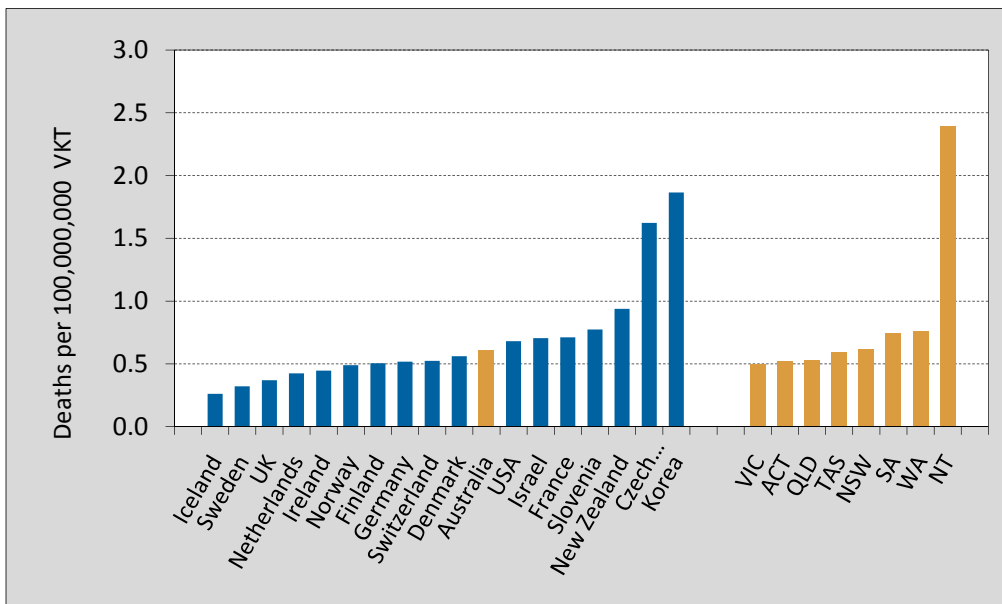
The number of road deaths per vehicle kilometres travelled is a risk measure which takes account of the estimated amount of vehicle travel.

OECD nations, 2010

Table 5 Road deaths per 100 million kilometres travelled (VKT) — OECD nations and Australian states/territories, 2010

Nation	Road deaths	Total VKT (hundred million)	Deaths per 10 ⁸ VKTs
Iceland	8	31	0.26
Sweden	266	829	0.32
UK	1,905	5,149	0.37
Netherlands	537	1,262	0.43
Ireland	212	474	0.45
Norway	208	424	0.49
Finland	272	538	0.51
Germany	3,648	7,048	0.52
Switzerland	327	623	0.52
OECD Median	-	-	0.54
Denmark	255	454	0.56
Australia	1,352	2,221	0.61
USA	32,885	48,280	0.68
Israel	352	499	0.71
France	3,992	5,613	0.71
Slovenia	138	178	0.78
New Zealand	375	400	0.94
Czech Republic	802	494	1.62
Korea	5,505	2,951	1.87
NSW	405	652	0.62
Vic	288	574	0.50
Qld	249	467	0.53
SA	118	158	0.75
WA	193	254	0.76
Tas	31	52	0.60
NT	49	20	2.45
ACT	19	36	0.53

**Figure 5 Road deaths per 100 million vehicle kilometres travelled—
OECD nations and Australian states/territories, 2010**

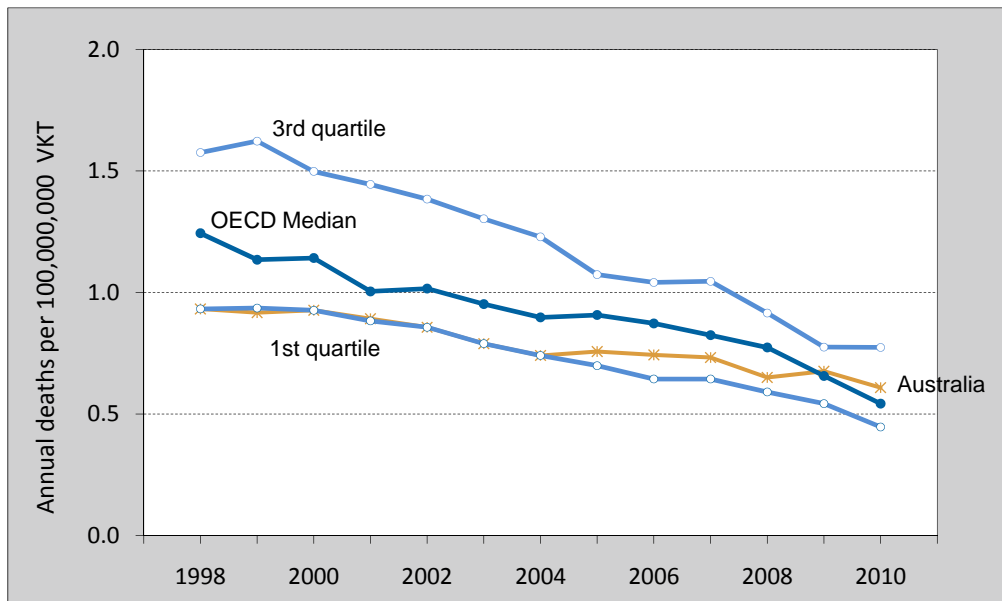


OECD nations, 1990 to 2010

Table 6 Road deaths per 100 million vehicle kilometres travelled —
OECD nations and Australian states/territories, 1990 and 1998 to 2010

Country	1990	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Iceland	1.5	1.3	0.9	1.4	1.0	1.2	0.9	0.9	0.7	1.0	0.5	0.4	0.6	0.3
Sweden	1.2	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.3
UK	-	0.8	-	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	-	-	0.4
Netherlands	1.4	0.9	0.9	0.9	0.8	0.8	0.8	-	-	-	-	0.5	0.5	0.4
Ireland	1.9	1.4	1.2	1.2	1.1	1.0	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.5
Norway	1.2	1.1	1.0	1.0	0.8	0.9	0.8	0.7	0.6	0.7	0.6	0.7	0.5	0.5
Finland	1.6	0.9	0.9	0.8	0.9	0.9	0.8	0.7	0.7	0.6	0.7	0.6	0.5	0.5
Germany	2.0	1.2	1.2	1.1	1.0	1.0	1.0	0.8	0.8	0.7	0.7	0.6	0.6	0.5
Switzerland	1.9	1.1	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	1.1	0.9	1.0	-	0.8	0.7	0.6	0.8	0.9	0.7	0.6
Australia	1.4	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.6
USA	1.3	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7
Israel	2.2	1.6	1.3	1.2	1.4	1.4	1.1	1.2	1.0	0.9	0.8	0.9	0.6	0.7
France	2.6	1.8	1.6	1.5	1.5	1.4	1.1	1.0	1.0	0.8	0.8	0.8	0.8	0.7
Slovenia	6.5	2.8	2.9	2.7	2.3	2.2	1.7	1.8	1.7	1.6	1.7	1.2	1.0	0.8
New Zealand	-	-	-	1.4	1.3	1.1	1.2	1.1	1.0	1.0	1.0	0.9	1.0	0.9
Czech Republic	4.8	3.5	3.6	3.7	3.2	3.3	3.2	2.9	2.6	2.1	2.3	1.9	1.6	1.6
Korea	-	-	-	4.9	3.3	2.8	2.6	2.3	1.8	1.9	1.9	1.8	2.0	1.9
Canada	-	-	-	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	-
Japan	2.3	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8	-
Belgium	2.8	1.7	1.6	1.6	1.6	1.5	1.3	1.2	1.1	1.1	1.1	1.0	1.0	-
Austria	2.8	1.4	1.5	1.5	1.4	1.4	1.3	1.3	1.1	1.0	0.9	0.9	-	-
NSW	1.5	0.9	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.6	0.7	0.6
Vic	1.2	0.8	0.8	0.8	0.9	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
Qld	1.4	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5
SA	1.7	1.2	1.0	1.1	1.0	1.0	1.0	0.9	1.0	0.8	0.8	0.6	0.7	0.7
WA	1.2	1.1	1.0	1.0	0.8	0.8	0.8	0.8	0.7	0.8	1.0	0.8	0.8	0.8
Tas	1.7	1.0	1.1	0.9	1.3	0.8	0.8	1.1	1.0	1.1	0.8	0.7	1.2	0.6
NT	4.7	3.9	2.7	2.9	2.9	3.0	2.9	1.9	2.9	2.4	2.9	3.6	1.5	2.4
ACT	1.0	0.7	0.6	0.6	0.5	0.3	0.3	0.3	0.7	0.4	0.4	0.4	0.3	0.5

Figure 6 Annual road deaths per 100 million vehicle kilometres travelled — Australia and OECD quartiles, 1998 to 2010



The distance-standardised risk of road travel in Australia declined significantly between 1998 and 2010. In 1998, there were 0.93 road deaths per 100 million vehicle kilometres travelled. In 2010, this had decreased to 0.61 deaths — a drop of 53 per cent. Over the same period, the median rate for OECD nations declined from 1.24 deaths in 1998 to 0.54 deaths in 2010 — a drop of 56 per cent.

Rates for all Australian jurisdictions have fallen significantly over the 12 years between 1998 and 2010.

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