



Australian Government

Australian Transport Safety Bureau

# International Road Safety Comparisons THE 2001 REPORT

Comparing Road Safety Statistics Around the World and Australia

# International Road Safety Comparisons THE 2001 REPORT

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# MAIN FINDINGS

International Road Safety Comparisons presents detailed tables of road fatality rates for Organisation for Economic Cooperation and Development (OECD) nations and Australian states/territories. These rates allow Australia's road safety performance to be compared with other OECD nations while taking into account the differing levels of population, motorisation and distances travelled.

Australia's road fatality rates in 2001 were all below the corresponding OECD median rates. In 2001, Australia:

- had the 11th lowest rate in terms of fatalities per 100 000 population;
- had the 9th lowest rate in terms of fatalities per 10 000 registered vehicles;
- had the 4th lowest rate in terms of fatalities per 100 million vehicle kilometres travelled.

Of the OECD nations for which 2001 data were available, Norway recorded the lowest rate of fatalities per population, registered vehicles and vehicle kilometres travelled.

The Australian Capital Territory performed better than any Australian state/territory or OECD nation in terms of all reported road fatality rates. The Northern Territory recorded the highest fatality rates of all Australian states/territories.

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# DATA SOURCES

# International data

Data provided for all OECD nations, with the exception of Australia, were derived from the International Road Traffic Accident Database (IRTAD) using the IRTAD World Wide Web site. IRTAD is maintained by the German Federal Highway Research Institute, Bundesanstalt für Staßenwesen (BASt).

Each year, member nations supply BASt with the most recent data available and revisions to historical data. The information provided in this document is therefore subject to revision with each successive report in the series.

Further information on IRTAD is available on the IRTAD web site at http://www.irtad.com

Turkish data for 2001 were not included in this edition as they are currently being reviewed by BASt.

# Australian data

Australian state/territory data were obtained from the Australian Transport Safety Bureau's (ATSB) Road crash data and rates, Australian states/territories, 1925 to 2002.

The *Survey of Motor Vehicle Use*, used by the ATSB to calculate fatality rates per vehicle kilometre travelled, was conducted by the Australian Bureau of Statistics in 1976, 1979, 1982, 1991, 1995, 1998, 1999, 2000 and 2001. In order to compare Australian rates with international rates for a fuller range of years, the following substitutions were made: 1976 figures were provided against 1975; 1979 figures were provided against 1980; and 1991 figures were provided against 1990.

# Acknowledgements

The Australian Transport Safety Bureau gratefully acknowledges the provision of police road crash data by the New South Wales Roads and Traffic Authority, Vicroads, Queensland Transport, South Australia Police, Western Australian Police Service, Tasmanian Department of Infrastructure, Energy and Resources, Northern Territory Police, Fire and Emergency Services and Australian Capital Territory Urban Services. —(

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# INTERNATIONAL DEFINITION OF A ROAD CRASH

The definition of a person killed in a road crash, as given in the Convention of Road Traffic (Vienna, 1968) is:

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

(IRTAD Special Report, Definitions and Data Availability, p.6)

# Nations that comply with this definition include:

Australia Canada Denmark Hungary Ireland Netherlands Norway Slovenia

United Kingdom

Belgium Czech Republic Finland Iceland Luxembourg New Zealand Slovakia Sweden

United States of America Nations that do not comply with this definition have correction factors applied, by BASt, to their fatality figures to ensure consistency within the IRTAD database.

These nations include:

| Austria     | France |
|-------------|--------|
| Germany     | Greece |
| Italy       | Japan  |
| Korea       | Poland |
| Portugal    | Spain  |
| Switzerland | Turkey |

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# Road fatalities per 100 000 population

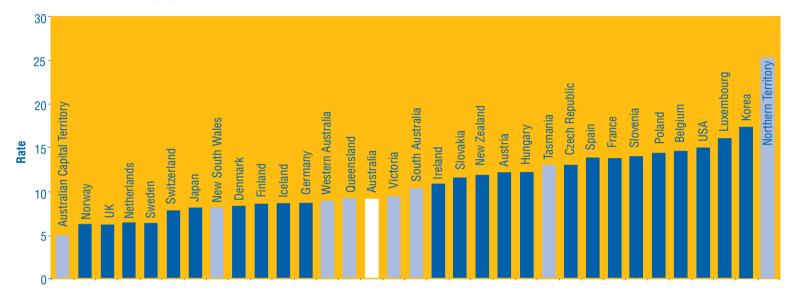
The number of road fatalities for every 100 000 people is a measure of the public health risk associated with road trauma.

| Australian states/terri      | itories, 2001                        |                                |                        |
|------------------------------|--------------------------------------|--------------------------------|------------------------|
|                              | Fatalities per<br>100 000 population | Total population<br>(millions) | Total number<br>killed |
| New South Wales              | 8.0                                  | 6.6                            | 524                    |
| Victoria                     | 9.2                                  | 4.8                            | 444                    |
| Queensland                   | 8.9                                  | 3.6                            | 324                    |
| South Australia              | 10.1                                 | 1.5                            | 153                    |
| Western Australia            | 8.7                                  | 1.9                            | 165                    |
| Tasmania                     | 12.9                                 | 0.5                            | 61                     |
| Northern Territory           | 25.3                                 | 0.2                            | 50                     |
| Australian Capital Territory | / 5.0                                | 0.3                            | 16                     |



| ECD nations, 2001 |                    |            |              |
|-------------------|--------------------|------------|--------------|
|                   | Fatalities per     | Total      | Total number |
|                   | 100 000 population | (millions) | killed       |
| Australia         | 8.9                | 19.4       | 1737         |
| Austria           | 11.9               | 8.0        | 958          |
| Belgium           | 14.5               | 10.3       | 1486         |
| Canada            | -                  | 31.1       |              |
| Czech Republic    | 13.0               | 10.3       | 1334         |
| Denmark           | 8.1                | 5.3        | 431          |
| Finland           | 8.4                | 5.2        | 433          |
| France            | 13.8               | 59.0       | 8160         |
| Germany           | 8.5                | 82.3       | 6977         |
| Greece            | -                  | -          | -            |
| Hungary           | 12.1               | 10.2       | 1239         |
| Iceland           | 8.4                | 0.3        | 24           |
| Ireland           | 10.7               | 3.8        | 411          |
| Italy             | -                  | -          | -            |
| Japan             | 7.9                | 127.3      | 10060        |
| Korea             | 17.2               | 47.0       | 8097         |
| Luxembourg        | 15.9               | 0.4        | 70           |
| Netherlands       | 6.2                | 16.0       | 993          |
| New Zealand       | 11.8               | 3.9        | 455          |
| Norway            | 6.1                | 4.5        | 275          |
| Poland            | 14.3               | 38.6       | 5534         |
| Portugal          | -                  | -          | 1671         |
| Slovakia          | 11.4               | 5.4        | 614          |
| Slovenia          | 13.9               | 2.0        | 278          |
| Spain             | 13.8               | 40.1       | 5517         |
| Sweden            | 6.2                | 8.9        | 554          |
| Switzerland       | 7.6                | 7.2        | 544          |
| Turkey            | -                  | -          | -            |
| UK                | 6.1                | 58.8       | 3598         |
| USA               | 14.8               | 284.8      | 42116        |
| OECD median       | 11.4               | -          |              |

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## Fatalities per 100 000 population, OECD nations and Australian states/territories, 2001

# OECD nations, 2001

In 2001, Australia recorded 8.9 road fatalities per 100 000 population. Australia's rate ranked eleventh lowest of the 25 OECD nations for which this information was available. In 2001, of the 25 OECD nations where data were available:

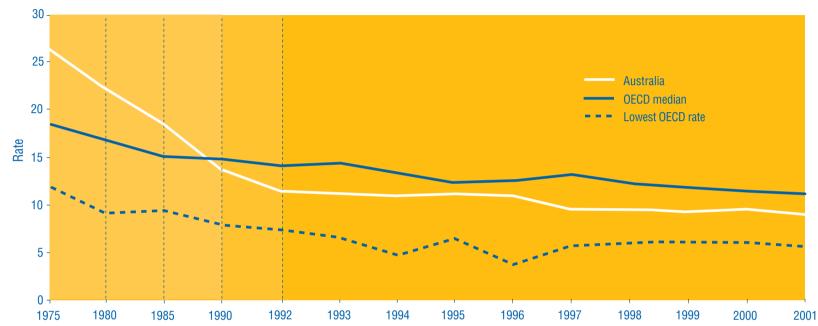
- Norway and the United Kingdom recorded the lowest rate (6.1 fatalities per 100 000 population);
- Korea recorded the highest rate (17.2 fatalities per 100 000 population).

# Australian states/territories, 2001

In 2001, the Australian Capital Territory had the lowest rate of fatalities per 100 000 population of all Australian states/territories and all OECD nations (5.0). The Northern Territory recorded the highest rate (25.3).

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## Fatalities per 100 000 population, OECD median, lowest OECD rate and Australia, 1975 to 2001

# Historical trends

The public health risk associated with road use declined significantly in Australia between 1975 and 2001.

In 1975, Australia-wide, there were 26.6 fatalities per 100 000 population; by 2001, this rate had decreased to 8.9.

The median rate for OECD nations also declined. In 1975, the OECD median was 18.5; by 2001, it was 11.4. Australia's reduction in the rate of fatalities per 100 000 population was a greater improvement compared with the OECD median.

- In 1975, the Australian rate was 44 per cent above the OECD median.
- In 2001, the Australian rate was 22 per cent below the OECD median.

| Country                      | 000 popu | 1980 | 1985 | 1990 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 20    |
|------------------------------|----------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Australia                    | 26.6     | 22.3 | 18.6 | 13.7 | 11.3 | 11.1 | 10.8 | 11.2 | 10.8 | 9.5  | 9.4  | 9.3  | 9.5  | 8     |
|                              |          |      |      |      |      |      |      |      |      |      |      |      |      |       |
| Austria                      | 33.4     | 26.5 | 20.1 | 20.3 | 17.9 | 16.2 | 16.9 | 15.2 | 12.9 | 13.9 | 12.1 | 13.5 | 12.2 | 11    |
| Belgium                      | 24.0     | 24.3 | 18.3 | 19.9 | 16.7 | 16.5 | 16.8 | 14.3 | 13.4 | 13.4 | 14.7 | 13.7 | 14.4 | 14    |
| Canada                       | 26.7     | 22.7 | 17.3 | 14.9 | 12.3 | 12.6 | 11.2 | 11.4 | 10.4 | 10.2 | 9.7  | 9.7  | 9.5  | - 4.0 |
| Czech Republic               | 16.3     | 12.2 | 9.6  | 12.5 | 14.9 | 14.8 | 15.8 | 15.4 | 15.2 | 15.5 | 13.2 | 14.1 | 14.5 | 1     |
| Denmark                      | 16.4     | 13.5 | 15.1 | 12.3 | 11.2 | 10.8 | 10.5 | 11.2 | 9.8  | 9.3  | 9.4  | 9.7  | 9.3  |       |
| inland                       | 19.4     | 11.5 | 11.1 | 13.0 | 12.0 | 9.6  | 9.5  | 8.6  | 7.9  | 8.5  | 7.8  | 8.4  | 7.7  |       |
| rance                        | 27.3     | 25.4 | 20.6 | 19.8 | 17.3 | 16.6 | 15.6 | 15.3 | 14.7 | 14.4 | 15.2 | 14.4 | 13.6 | 1     |
| Germany                      | 22.0     | 19.3 | 13.0 | 14.0 | 13.2 | 12.3 | 12.1 | 11.6 | 10.7 | 10.4 | 9.5  | 9.5  | 9.1  |       |
| Greece                       | 13.8     | 15.0 | 20.2 | 20.2 | 20.9 | 20.8 | 21.6 | 23.1 | 20.6 | 20.0 | 20.7 | 20.1 | 19.3 |       |
| lungary                      | 16.0     | 15.2 | 16.5 | 23.4 | 20.3 | 16.3 | 15.2 | 15.5 | 13.4 | 13.7 | 13.5 | 12.9 | 11.9 | 1     |
| celand                       | 15.1     | 11.0 | 10.0 | 9.4  | 8.1  | 6.4  | 4.5  | 9.0  | 3.7  | 5.5  | 9.8  | 7.5  | 11.3 |       |
| eland                        | 18.4     | 16.6 | 11.6 | 13.6 | 11.7 | 12.1 | 11.3 | 12.1 | 12.5 | 12.9 | 12.4 | 11.0 | 11.0 | 1     |
| aly                          | 18.6     | 16.4 | 13.5 | 12.4 | 14.1 | 12.6 | 12.4 | 12.3 | 11.7 | 11.7 | 11.9 | 11.5 | 11.1 |       |
| lapan                        | 12.5     | 9.7  | 9.9  | 11.8 | 12.0 | 10.6 | 10.2 | 10.1 | 9.3  | 8.9  | 8.5  | 8.2  | 8.2  |       |
| lorea                        | 12.6     | 17.2 | 21.4 | 33.4 | 31.0 | 27.4 | 26.3 | 26.6 | 32.3 | 29.3 | 22.6 | 23.2 | 21.8 | 1     |
| uxembourg                    | 34.7     | 27.0 | 21.6 | 18.5 | 18.7 | 19.2 | 16.5 | 17.0 | 17.2 | 14.4 | 13.4 | 13.5 | 17.5 | 1     |
| letherlands                  | 17.1     | 14.2 | 9.9  | 9.2  | 8.5  | 8.2  | 8.5  | 8.6  | 7.6  | 7.5  | 6.8  | 6.9  | 6.8  |       |
| lew Zealand                  | 20.0     | 18.9 | 22.6 | 21.4 | 18.5 | 17.0 | 16.2 | 15.9 | 13.8 | 14.4 | 13.2 | 13.4 | 12.1 | 1     |
| lorway                       | 13.5     | 8.9  | 9.7  | 7.8  | 7.6  | 6.5  | 6.5  | 7.0  | 5.8  | 6.9  | 8.0  | 6.8  | 7.6  |       |
| Poland                       | 16.5     | 16.8 | 12.6 | 19.2 | 18.1 | 16.5 | 17.5 | 17.9 | 16.5 | 18.9 | 18.3 | 17.4 | 16.3 | 1     |
| Portugal                     | 34.7     | 27.7 | 22.1 | 28.2 | 28.9 | 25.2 | 23.3 | 25.2 | 25.4 | 23.4 | 22.4 | 21.0 |      |       |
| Slovakia                     |          | -    | -    | -    |      | -    | -    | 12.3 | 11.5 | 14.6 | 15.2 | 12.0 | 11.6 | 1     |
| Slovenia                     | 32.9     | 29.2 | 23.5 | 25.9 | 24.7 | 24.8 | 25.4 | 20.9 | 19.5 | 18.0 | 15.6 | 16.8 | 15.7 | 1     |
| Spain                        | 16.6     | 17.6 | 16.6 | 23.2 | 20.1 | 16.3 | 14.3 | 14.7 | 14.0 | 14.3 | 15.1 | 14.5 | 14.5 | 1     |
| Sweden                       | 14.3     | 10.2 | 9.7  | 9.1  | 8.8  | 7.3  | 6.7  | 6.5  | 6.1  | 6.1  | 6.0  | 6.6  | 6.7  |       |
| Switzerland                  | 19.0     | 19.2 | 13.6 | 13.9 | 12.2 | 10.5 | 9.7  | 9.9  | 8.7  | 8.3  | 8.4  | 8.2  | 8.3  |       |
| ūrkey                        |          | -    | 14.3 | 14.8 | 14.1 | 14.3 | -    | -    | -    | 10.6 | 10.1 | 9.2  | 7.6  |       |
| JK                           | 11.9     | 11.1 | 9.4  | 9.4  | 7.5  | 6.8  | 6.5  | 6.4  | 6.4  | 6.3  | 6.0  | 6.0  | 6.0  |       |
| JSA                          | 20.7     | 22.5 | 18.4 | 17.9 | 15.4 | 15.6 | 15.6 | 15.9 | 15.9 | 15.7 | 15.4 | 15.3 | 15.2 | 1     |
| ECD median                   | 18.5     | 17.0 | 15.1 | 14.8 | 14.1 | 14.3 | 13.4 | 12.3 | 12.5 | 13.2 | 12.2 | 11.7 | 11.3 | 1     |
| lew South Wales              | 26.1     | 25.2 | 19.5 | 13.7 | 10.9 | 9.7  | 10.7 | 10.1 | 9.4  | 9.2  | 8.8  | 9.0  | 9.3  |       |
| lictoria                     | 24.0     | 16.8 | 16.6 | 12.5 | 8.9  | 9.7  | 8.4  | 9.3  | 9.1  | 8.2  | 8.4  | 8.2  | 8.6  |       |
| Queensland                   | 31.0     | 24.6 | 19.5 | 13.8 | 13.7 | 12.7 | 13.1 | 14.0 | 11.5 | 10.6 | 8.1  | 9.0  | 8.9  |       |
| South Australia              | 26.8     | 20.6 | 19.5 | 15.8 | 11.3 | 14.9 | 10.8 | 12.3 | 12.3 | 10.0 | 11.3 | 10.1 | 11.0 | 1     |
| Vestern Australia            | 26.3     | 23.1 | 17.1 | 12.2 | 12.1 | 12.5 | 12.4 | 12.1 | 14.0 | 11.0 | 12.2 | 11.8 | 11.3 |       |
| asmania                      | 29.7     | 23.6 | 17.6 | 15.4 | 15.8 | 12.3 | 12.5 | 12.0 | 13.5 | 6.8  | 10.2 | 11.3 | 9.1  | 1     |
| Jorthern Territory           | 68.9     | 53.3 | 45.1 | 41.5 | 32.1 | 25.8 | 23.6 | 34.4 | 39.6 | 32.1 | 36.3 | 25.4 | 26.1 | 2     |
| Australian Capital Territory |          | 13.4 | 13.1 | 9.2  | 6.8  | 4.0  | 5.6  | 4.9  | 7.5  | 5.5  | 7.1  | 6.1  | 5.7  |       |



# Road fatalities per 10 000 registered vehicles

The number of deaths for every 10 000 registered vehicles is a means of comparing road fatality levels between countries taking into account different levels of motorisation.

| Australian states/territ     | ories, 2001                                  |                                      |                        |
|------------------------------|--|--------------------------------------|------------------------|
|                              | Fatalities per 10 000<br>registered vehicles | Total registered vehicles (millions) | Total number<br>killed |
| New South Wales              | 1.4  | 3.7                                  | 524                    |
| Victoria                     | 1.3  | 3.3                                  | 444                    |
| Queensland                   | 1.4  | 2.4                                  | 324                    |
| South Australia              | 1.5  | 1.1                                  | 153                    |
| Western Australia            | 1.2  | 1.4                                  | 165                    |
| Tasmania                     | 1.8  | 0.3                                  | 61                     |
| Northern Territory           | 4.9  | 0.1                                  | 50                     |
| Australian Capital Territory | 0.8  | 0.2                                  | 16                     |

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| OECD nations, 2001 |   |                                      |                        |
|--------------------|---|--------------------------------------|------------------------|
|                    | Fatalities per 10 000 registered vehicles | Total registered vehicles (millions) | Total number<br>killed |
| Australia          | 1.4                                       | 12.5                                 | 1737                   |
| Austria            | 1.8                                       | 5.2                                  | 958                    |
| Belgium            | -   | -                                    | 1486                   |
| Canada             | -   | 18.1                                 | -                      |
| Czech Republic     | 3.1                                       | 4.3                                  | 1334                   |
| Denmark            | 1.8                                       | 2.4                                  | 431                    |
| Finland            | 1.7                                       | 2.6                                  | 433                    |
| France             | 2.3                                       | 34.8                                 | 8160                   |
| Germany            | 1.3                                       | 52.5                                 | 6977                   |
| Greece             | -   | -                                    | -                      |
| Hungary            | 4.4                                       | 2.8                                  | 1239                   |
| Iceland            | 1.2                                       | 0.2                                  | 24                     |
| Ireland            | 2.3                                       | 1.8                                  | 411                    |
| Italy              | -   | -                                    | -                      |
| Japan              | 1.3                                       | 79.6                                 | 10060                  |
| Korea              | 5.8                                       | 13.9                                 | 8097                   |
| Luxembourg         | 2.1                                       | 0.3                                  | 70                     |
| Netherlands        | 1.2                                       | 8.2                                  | 993                    |
| New Zealand        | 1.7                                       | 2.6                                  | 455                    |
| Norway             | 1.0                                       | 2.7                                  | 275                    |
| Poland             | 3.8                                       | 14.7                                 | 5534                   |
| Portugal           | 2.0                                       | 8.3                                  | 1671                   |
| Slovakia           | 3.9                                       | 1.6                                  | 614                    |
| Slovenia           | 2.7                                       | 1.0                                  | 278                    |
| Spain              | 2.3                                       | 24.3                                 | 5517                   |
| Sweden             | 1.1                                       | 4.9                                  | 554                    |
| Switzerland        | 1.2                                       | 4.7                                  | 544                    |
| Turkey             | -   | -                                    | -                      |
| UK                 | 1.2                                       | 30.4                                 | 3598                   |
| USA                | 1.9                                       | 221.2                                | 42116                  |
| OECD median        | 1.8                                       | -                                    | -                      |

Δ Rate

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### Fatalities per 10 000 registered vehicles, OECD nations and Australian states/territories, 2001



# OECD nations, 2001

In 2001, Australia recorded 1.4 road fatalities per 10 000 registered vehicles. Australia recorded the ninth lowest rate of the 25 nations for which data were available.

# In 2001, of the 25 OECD nations for which data were available:

- Norway recorded the lowest rate (1.0 fatalities per 10 000 registered vehicles);
- Korea recorded the highest rate (5.8 fatalities per 10 000 registered vehicles).

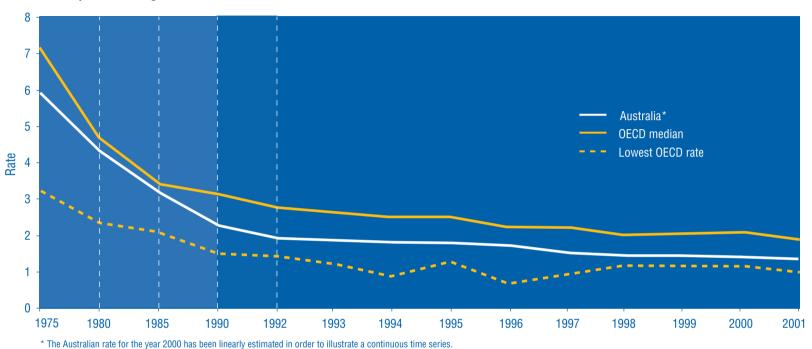
# Australian states/territories, 2001

In 2001, the Australian Capital Territory had the lowest rate of fatalities per 10 000 registered vehicles of all Australian states/territories and all OECD nations (0.8). The Northern Territory recorded the highest rate (4.9) of all Australian states/territories.

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#### Fatalities per 10 000 registered vehicles, OECD median, lowest OECD rate and Australia, 1975 to 2001

. . . . .

Historical trends

Road fatalities in Australia, relative to vehicle ownership, have declined significantly between 1975 and 2001. In 1975, there were 5.9 fatalities per 10 000 registered vehicles. In 2001, this had decreased to 1.4. The median rate for OECD nations also declined significantly. In 1975, the OECD median was 7.2 and by 2001 it was 1.8. From 1975 to 2001, Australia's rate of fatalities per 10 000 registered vehicles was below the OECD median rate.

| Fatalities per 10 00         |       |      |      |      |      |      |      |      |      | 1007 | 4000 | 1000 | 0000 | 0.00 |
|------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                              | 1975  | 1980 | 1985 | 1990 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 200  |
| lustralia                    | 5.9   | 4.3  | 3.2  | 2.3  | 1.9  | 1.9  | 1.8  | 1.8  | 1.8  | 1.5  | 1.5  | 1.4  | -    | 1.4  |
| Austria                      | 11.6  | 7.2  | 4.8  | 4.2  | 3.6  | 3.1  | 3.1  | 2.7  | 2.3  | 2.4  | 2.0  | 2.2  | 1.9  | 1.8  |
| 3elgium                      | 7.5   | 6.4  | 4.5  | 4.3  | 3.5  | 3.4  | 3.4  | 2.8  | 2.6  | 2.6  | 2.8  | 2.5  | 2.6  |      |
| Canada                       | 5.3   | 4.0  | 3.0  | 2.3  | 2.1  | 2.2  | 1.9  | 2.0  | 1.8  | 1.7  | 1.6  | 1.7  | 1.6  |      |
| Czech Republic               | -     | 4.8  | 3.4  | 4.0  | 4.5  | 4.4  | 4.5  | 4.2  | 4.0  | 3.9  | 3.1  | 3.3  | 3.4  | 3.   |
| )enmark                      | 5.0   | 3.7  | 4.1  | 3.1  | 2.8  | 2.7  | 2.6  | 2.7  | 2.3  | 2.2  | 2.1  | 2.2  | 2.1  | 1.   |
| inland                       | 7.2   | 4.0  | 3.1  | 2.9  | 2.6  | 2.1  | 2.2  | 2.0  | 1.8  | 1.9  | 1.7  | 1.8  | 1.6  | 1.   |
| rance                        | 8.1   | 6.3  | 4.6  | 4.2  | 3.6  | 3.4  | 3.2  | 3.1  | 3.0  | 2.9  | 2.7  | 2.5  | 2.4  | 2.3  |
| Germany                      | 7.2   | 4.9  | 2.9  | 2.6  | 2.4  | 2.2  | 2.1  | 2.0  | 1.8  | 1.7  | 1.6  | 1.5  | 1.5  | 1.3  |
| Greece                       | 17.0  | 10.6 | 9.9  | 7.4  | -    | 6.8  | 6.7  | 6.7  | 5.7  | 5.2  | 5.0  | 4.5  | 4.0  |      |
| lungary                      | 12.6  | 9.0  | 9.0  | 11.2 | 8.5  | 6.7  | 6.1  | 6.0  | 5.0  | 5.0  | 4.9  | 4.9  | 4.4  | 4.4  |
| celand                       | -     | 2.8  | 2.1  | 1.7  | 1.5  | 1.3  | 0.9  | 1.8  | 0.7  | 1.0  | 1.7  | 1.2  | 1.8  | 1.   |
| reland                       | 8.6   | 6.2  | 4.5  | 4.5  | 3.7  | 3.7  | 3.4  | 3.5  | 3.4  | 3.3  | 3.0  | 2.6  | 2.5  | 2.   |
| aly                          | 6.0   | 4.7  | 3.1  | 2.3  | 2.4  | 2.0  | 2.0  | 1.9  | 1.8  | 1.8  | 1.8  | 1.7  | 1.6  |      |
| lapan                        | 4.3   | 2.7  | 2.4  | 2.4  | 2.2  | 1.9  | 1.8  | 1.8  | 1.6  | 1.5  | 1.4  | 1.3  | 1.3  | 1.   |
| lorea                        | 238.8 | 95.4 | 54.5 | 36.8 | 23.0 | 17.1 | 14.1 | 12.5 | 13.5 | 11.1 | 8.0  | 8.2  | 7.8  | 5.   |
| .uxembourg                   | 11.7  | 6.4  | 4.0  | 3.3  | 3.1  | 3.1  | 2.5  | 2.5  | 2.5  | 2.1  | 1.9  | 1.9  | 2.4  | 2.   |
| letherlands                  | 6.3   | 4.3  | 2.8  | 2.3  | 2.1  | 2.0  | 2.0  | 2.0  | 1.7  | 1.7  | 1.5  | 1.4  | 1.4  | 1.   |
| lew Zealand                  | 4.3   | 3.5  | 3.9  | 3.3  | 2.9  | 2.7  | 2.5  | 2.5  | 2.2  | 2.3  | 2.1  | 2.0  | 1.8  | 1.   |
| lorway                       | 3.6   | 2.4  | 2.2  | 1.5  | 1.5  | 1.3  | 1.2  | 1.3  | 1.1  | 1.3  | 1.4  | 1.2  | 1.3  | 1.(  |
| Poland                       | 14.4  | 10.9 | 6.6  | 8.1  | 6.8  | 6.1  | 6.2  | 6.2  | 5.4  | 5.9  | 5.6  | 5.1  | 4.5  | 3.   |
| Portugal                     | 22.9  | 13.3 | 8.1  | 6.8  | 5.9  | 4.8  | 4.1  | 4.2  | 4.0  | 3.4  | 3.1  | 2.7  | 2.3  | 2.0  |
| Slovakia                     | -     | -    | -    | -    | 4.7  | 4.2  | 4.6  | 4.5  | 4.0  | 5.1  | 5.2  | 4.2  | 4.1  | 3.9  |
| Slovenia                     | -     | -    |      | 6.9  | -    | -    | 6.6  | 5.0  | 4.5  | 4.0  | 3.2  | 3.4  | 3.1  | 2.   |
| Spain                        | 9.0   | 6.4  | 5.4  | 5.8  | 4.5  | 3.6  | 3.1  | 3.1  | 2.8  | 2.8  | 2.8  | 2.6  | 2.5  | 2.   |
| Sweden                       | 3.8   | 2.5  | 2.2  | 1.8  | 1.7  | 1.5  | 1.4  | 1.3  | 1.2  | 1.2  | 1.2  | 1.3  | 1.2  | 1.1  |
| Switzerland                  | 5.8   | 4.5  | 2.7  | 2.4  | 2.1  | 1.8  | 1.7  | 1.7  | 1.5  | 1.4  | 1.4  | 1.3  | 1.3  | 1.   |
| ūrkey                        | -     | -    |      | -    | -    | -    | -    | -    | -    | 8.7  | 7.7  | 6.8  | 5.4  |      |
| JK                           | 3.9   | 3.4  | 2.5  | 2.2  | 1.8  | 1.6  | 1.5  | 1.5  | 1.4  | 1.4  | 1.3  | 1.2  | 1.2  | 1.5  |
| JSA                          | 3.2   | 3.2  | 2.6  | 2.4  | 2.1  | 2.1  | 2.1  | 2.1  | 2.1  | 2.1  | 2.0  | 2.0  | 1.9  | 1.   |
| ECD median                   | 7.2   | 4.7  | 3.4  | 3.2  | 2.8  | 2.7  | 2.5  | 2.5  | 2.3  | 2.2  | 2.0  | 2.1  | 2.1  | 1.   |
| lew South Wales              | 6.0   | 5.2  | 3.6  | 2.5  | 2.0  | 1.8  | 2.0  | 1.9  | 1.7  | 1.6  | 1.5  | 1.6  | 1.6  | 1.4  |
| lictoria                     | 5.3   | 3.4  | 2.8  | 2.1  | 1.5  | 1.6  | 1.3  | 1.5  | 1.4  | 1.2  | 1.2  | 1.2  | 1.2  | 1.3  |
| Queensland                   | 6.9   | 4.4  | 3.2  | 2.3  | 2.3  | 2.1  | 2.1  | 2.3  | 1.8  | 1.7  | 1.3  | 1.4  | 1.4  | 1.4  |
| South Australia              | 5.5   | 3.8  | 3.3  | 2.6  | 1.9  | 2.4  | 1.7  | 1.9  | 1.8  | 1.5  | 1.6  | 1.5  | 1.6  | 1.5  |
| Vestern Australia            | 5.4   | 3.9  | 2.8  | 1.9  | 1.8  | 1.9  | 1.8  | 1.8  | 2.0  | 1.6  | 1.7  | 1.6  | 1.6  | 1.   |
| asmania                      | 6.3   | 4.4  | 2.9  | 2.4  | 2.4  | 1.9  | 1.9  | 1.8  | 2.0  | 1.0  | 1.5  | 1.6  | 1.3  | 1.   |
| Jorthern Territory           | 20.1  | 13.4 | 9.3  | 8.6  | 6.7  | 5.3  | 4.5  | 6.8  | 7.5  | 6.1  | 6.8  | 4.7  | 5.0  | 4.9  |
| Australian Capital Territory |       | 2.8  | 2.6  | 1.6  | 1.2  | 0.7  | 0.9  | 0.8  | 1.2  | 0.9  | 1.1  | 1.0  | 0.9  | 0.0  |

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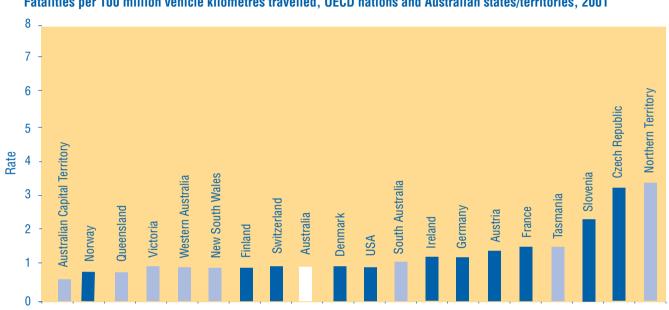
# Road fatalities per 100 million vehicle kilometres travelled

The number of deaths for every 100 million vehicle kilometres travelled is a direct measure of the risk associated with road travel.

| Australian states/territo    | ories, 2001   |  |                        |
|------------------------------|---|--|------------------------|
|                              | Fatalities per 100<br>million vehicle<br>kilometres travelled | Total vehicle<br>kilometres travelled<br>(100 million) | Total number<br>killed |
| New South Wales              | 0.9   | 586  | 524                    |
| Victoria                     | 0.9   | 508  | 444                    |
| Queensland                   | 0.8   | 385  | 324                    |
| South Australia              | 1.0   | 151  | 153                    |
| Western Australia            | 0.9   | 186  | 165                    |
| Tasmania                     | 1.5   | 40   | 61                     |
| Northern Territory           | 3.3   | 15   | 50                     |
| Australian Capital Territory | 0.5   | 30   | 16                     |

|                | Fatalities per 100   | Total vehicle        | Total number |
|----------------|----------------------|----------------------|--------------|
|                | million vehicle      | kilometres travelled | killed       |
|                | kilometres travelled | (100 million)        |              |
| Australia      | 0.9                  | 1902                 | 1737         |
| Austria        | 1.3                  | 755                  | 958          |
| Belgium        |                      | -                    | 1486         |
| Canada         | -                    | 3102                 | -            |
| Czech Republic | 3.2                  | 412                  | 1334         |
| Denmark        | 0.9                  | 467                  | 431          |
| Finland        | 0.9                  | 477                  | 433          |
| France         | 1.5                  | 5510                 | 8160         |
| Germany        | 1.1                  | 6203                 | 6977         |
| Greece         | -                    | -                    |              |
| Hungary        | -                    | -                    | 1239         |
| Iceland        | -                    | -                    | 24           |
| Ireland        | 1.1                  | 378                  | 411          |
| Italy          | -                    | -                    | -            |
| Japan          | -                    | -                    | 10060        |
| Korea          | -                    | -                    | 8097         |
| Luxembourg     | -                    | -                    | 70           |
| Netherlands    | -                    | -                    | 993          |
| New Zealand    | -                    | -                    | 455          |
| Norway         | 0.8                  | 333                  | 275          |
| Poland         | -                    | -                    | 5534         |
| Portugal       | -                    | -                    | 1671         |
| Slovakia       | -                    | -                    | 614          |
| Slovenia       | 2.3                  | 120                  | 278          |
| Spain          | -                    | -                    | 5517         |
| Sweden         | -                    | -                    | 554          |
| Switzerland    | 0.9                  | 598                  | 544          |
| Turkey         | -                    | -                    | -            |
| UK             | -                    | -                    | 3598         |
| USA            | 0.9                  | 44782                | 42116        |

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#### Fatalities per 100 million vehicle kilometres travelled, OECD nations and Australian states/territories, 2001

# OECD nations, 2001

In 2001, Australia recorded 0.9 road fatalities per 100 million vehicle kilometres travelled. Australia recorded the fourth lowest rate among the 12 OECD nations for which data were available.

In 2001, of the 12 OECD nations for which data were available:

• Norway had the lowest rate, recording 0.8 fatalities per 100 million vehicle kilometres travelled;

• The Czech Republic, with 3.2 fatalities per 100 million vehicle kilometres travelled had the highest rate.

# Australian states/territories, 2001

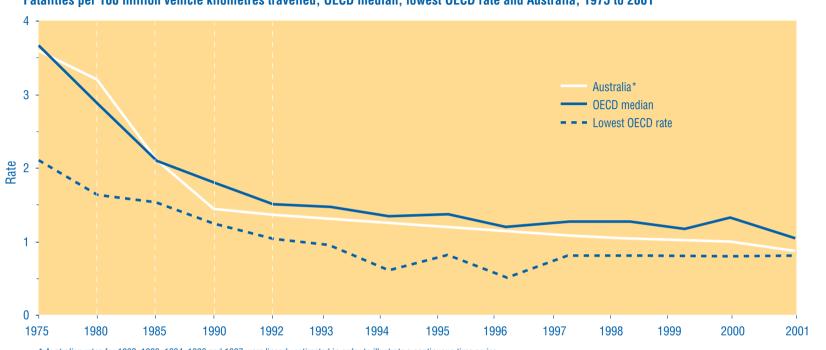
The Australian Capital Territory, recording 0.5 fatalities per 100 million vehicle kilometres travelled, had the lowest rate. This rate was lower than all OECD nations where data were reported. Queensland, with 0.8 fatalities per 100 million

vehicle kilometres travelled was equal to that of the lowest OECD nation rate.

The Northern Territory had the highest rate of all Australian states/territories recording 3.3 fatalities per 100 million vehicle kilometres travelled.

### International Road Safety Comparisons

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## Fatalities per 100 million vehicle kilometres travelled, OECD median, lowest OECD rate and Australia, 1975 to 2001

\* Australian rates for 1992, 1993, 1994, 1996 and 1997 were linearly estimated in order to illustrate a continuous time series.

# Historical trends

The degree of actual risk associated with road travel declined significantly in Australia between 1975 and 2001. In 1975, there were 3.6 fatalities per 100 million vehicle kilometres travelled in Australia. In 2001, this had decreased to 0.9. The median rate for OECD nations also declined from 3.7 in 1975 to 1.0 in 2001.

From 1975 to 2001, Australia's rate was similar to the OECD median.

|                             | 1975 | 1980 | 1985 | 1990       | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 20 |
|-----------------------------|------|------|------|------------|------|------|------|------|------|------|------|------|------|----|
| ustralia                    |      |      |      |            |      |      |      |      |      |      |      |      |      | (  |
| ustralia                    | 3.6  | 3.2  | 2.1  | 1.4        | -    | -    | -    | 1.2  |      | -    | 1.0  | 1.0  | 1.0  |    |
| ustria                      | 8.3  | 5.6  | 3.8  | 2.8<br>2.8 | 2.3  | 2.1  | 2.1  | 1.9  | 1.5  | 1.6  | 1.4  | 1.5  | 1.3  |    |
| elgium                      | 6.2  | 5.0  | 3.4  |            | 2.2  | 2.2  | 2.1  | 1.8  | 1.7  | 1.6  | 1.7  | 1.6  | 1.6  |    |
| anada                       | -    | -    | -    | -          | -    |      | -    | -    | -    | -    | -    | -    | 0.9  |    |
| zech Republic               | 7.6  | 5.8  | 4.0  | -          |      | -    | -    | 5.1  | 4.7  | 4.6  | 3.6  | 3.8  | 3.8  |    |
| enmark                      | 3.1  | 2.5  | 2.6  | 1.7        | 1.5  | 1.4  | 1.4  | 1.4  | 1.2  | 1.1  | 1.1  | 1.1  | 1.1  |    |
| inland                      | 3.7  | 2.1  | 1.7  | 1.6        | 1.4  | 1.2  | 1.1  | 1.0  | 1.0  | 1.0  | 0.9  | 0.9  | 0.8  |    |
| ance                        | 5.9  | 4.4  | 3.3  | 2.6        | 2.1  | 2.0  | 1.9  | 1.9  | 1.8  | 1.7  | 1.8  | 1.6  | 1.5  |    |
| ermany                      |      | 3.7  | 2.4  | 2.0        | 1.8  | 1.7  | 1.7  | 1.6  | 1.4  | 1.4  | 1.2  | 1.2  | 1.2  |    |
| reece                       |      |      | -    |            |      | 3.4  | 3.4  | 3.5  | 3.0  | 2.7  | 2.7  | -    | -    |    |
| ungary                      |      | -    | -    | -          |      | -    | -    | -    | -    | -    |      | -    | -    |    |
| eland                       |      | 2.1  | 1.8  | 1.4        | 1.1  | 0.9  | 0.6  | 1.3  | 0.5  | 0.8  | 1.4  | 1.0  | 1.6  |    |
| eland                       |      | 2.8  | 1.6  | 1.8        | 1.5  | 1.5  | 1.3  | 1.3  | -    | -    | -    | -    | -    |    |
| aly                         | -    | -    | -    | -          | -    | -    | -    | -    | -    | -    |      | -    | -    |    |
| apan                        | 4.9  | 2.9  | 2.8  | 2.3        | 2.2  | 1.9  | 1.8  | 1.8  | 1.6  | 1.5  | 1.4  | 1.4  | 1.3  |    |
| orea                        |      |      |      |            |      | -    |      |      | -    | -    | -    | 4.9  | 3.9  |    |
| uxembourg                   |      | -    | -    | -          | -    | -    | -    | -    | -    | -    |      | -    | -    |    |
| etherlands                  |      | 2.7  | 1.8  | 1.4        | 1.2  | 1.2  | 1.2  | 1.2  | 1.1  | 1.0  | 0.9  | 0.9  |      |    |
| ew Zealand                  |      | -    | -    | -          | -    | -    | -    | -    | -    | -    |      | -    | 1.2  |    |
| orway                       | 3.5  | 1.9  | 1.7  | 1.2        | 1.2  | 1.0  | 1.0  | 1.0  | 0.8  | 1.0  | 1.1  | 1.0  | 1.0  |    |
| oland                       |      |      | -    |            |      | -    | -    |      | -    | -    | -    |      | -    |    |
| ortugal                     |      |      |      |            |      | -    |      |      | -    | -    |      |      |      |    |
| lovakia                     |      |      |      | 6.6        |      | -    |      | 6.1  | -    | -    |      |      | 4.7  |    |
| lovenia                     |      |      | -    |            |      | -    |      | 4.4  | 3.8  | 3.3  | 2.8  | 2.9  | 2.7  |    |
| pain                        |      |      | -    |            |      | -    |      |      | -    | -    | -    |      | -    |    |
| weden                       | 2.7  | 1.6  | 1.5  | 1.2        | 1.2  | 1.0  | 0.9  | 0.9  | 0.8  | 0.8  | 0.8  | 0.8  | -    |    |
| witzerland                  | 3.6  | 3.1  | 2.0  | 1.8        | 1.6  | 1.5  | 1.3  | 1.3  | 1.2  | 1.1  | 1.1  | 1.0  | 1.0  |    |
| urkey                       |      |      | -    |            |      | -    | -    |      | -    | 13.9 | 12.8 | 12.0 | 9.1  |    |
| K                           |      | -    | -    | -          | 1.0  | 0.9  | 0.9  | 0.8  | 0.8  | 0.8  | 0.8  | -    | -    |    |
| SA                          | 2.1  | 2.1  |      | 1.3        | 1.1  | 1.1  | 1.1  | 1.1  | 1.1  | 1.0  | 1.0  | 1.0  | 0.9  |    |
| ECD median                  | 3.7  | 2.9  | 2.1  | 1.8        | 1.5  | 1.4  | 1.3  | 1.4  | 1.2  | 1.3  | 1.2  | 1.2  | 1.3  |    |
| ew South Wales              | 3.7  | 3.5  | 2.3  |            |      | -    | -    | 1.3  | -    | -    | 0.9  | 1.0  | 1.2  |    |
| ctoria                      | 3.4  | 2.8  | 1.8  |            | -    | -    | -    | 1.0  | -    | -    | 0.8  | 0.8  | 0.7  |    |
| ueensland                   | 3.9  | 3.6  | 2.2  |            | -    | -    | -    | 1.3  | -    | -    | 1.0  | 1.0  | 0.9  |    |
| outh Australia              | 3.2  | 3.0  | 2.2  |            | -    | -    | -    | 1.3  | -    | -    | 1.2  | 1.2  | 1.3  |    |
| /estern Australia           | 3.2  | 2.4  | 1.7  | -          | -    | -    | -    | 1.2  | -    | -    | 1.3  | 1.2  | 1.1  |    |
| asmania                     | 3.9  | 3.1  | 2.0  | -          | -    | -    | -    | 1.3  | -    | -    | 1.1  | 1.4  | 1.0  |    |
| orthern Territory           | 8.0  | 7.5  | 5.4  | -          | -    | -    | -    | 4.2  | -    | -    | 4.5  | 3.1  | 3.1  |    |
| ustralian Capital Territory |      | 1.4  | 1.6  |            |      | -    |      | 0.5  | _    | -    | 0.7  | 0.6  | 0.6  |    |



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