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International road safety comparisons 2012

Department of Infrastructure and Regional Development Canberra, Australia

At a glance

This report presents tabulations 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 2012 :

Australia's rate of 5.72 was the 16th lowest rate out of the 33 nations with available data. The nations with the two lowest rates were

Iceland 2.81United Kingdom 2.83

Between 2003 and 2012, the annual population-standardised risk of a road crash fatality in Australia declined by a total of 30.5 per cent. Over the same period the OECD median rate fell by 38.9 per cent. The rates for all Australian jurisdictions decreased by between 5 per cent (Australian Capital Territory) and 45 per cent (South Australia).

• In terms of annual deaths per 10,000 registered vehicles in 2012 :

Australia's rate of 0.78 was the 14th lowest rate out of the 30 nations with available data. The nations with the two lowest rates were

Iceland 0.34Norway 0.39

Annual road deaths in Australia relative to vehicle ownership declined between 2003 and 2012 by a total of 37.0 per cent. During this period the median rate for OECD nations declined by 49.2 per cent. Australian jurisdictions achieved reductions of between 13 per cent (Australian Capital Territory) and 49 per cent (South Australia).

• In terms of annual deaths per 100 million vehicle-kilometres-travelled in 2012 :

Australia's rate of 0.56 was the 12th lowest rate out of 20 nations with available data. The nations with the two lowest rates were

Iceland 0.29Norway 0.33

Between 2003 and 2012, Australia's rate declined by a total of 29.0 per cent whilst the OECD median declined by 43.3 per cent. For Australian jurisdictions, the reductions ranged from 2 per cent (Australian Capital Territory) to 42 per cent (South Australia).

Data definitions and sources

International data

The International Road Traffic Accident Database (IRTAD 2014a) is the main source of fatality and exposure data in this report. IRTAD is maintained by the Joint Transport Research Centre of the OECD and the International Transport Forum. Each year member nations supply IRTAD with their most recent data, which may include revisions to historical data.

Further information on IRTAD is available at

< http://internationaltransportforum.org/irtadpublic/about.html >.

In addition to the IRTAD database, other sources include the 2014 IRTAD Road Safety Annual Report (IRTAD 2014b), OECD Stat Extracts (OECD 2014) and in a small number of cases, a country's relevant government website.

Australian data

Australian road fatality data were extracted from the Department of Infrastructure and Regional Development's online Australian Road Deaths Database, available at < http://www.bitre.gov.au/statistics/safety/fatal_road_crash_database.aspx > (BITRE 2014a).

Australian data for population and registered vehicles were obtained from the Australian Bureau of Statistics, (ABS 2014) and (ABS 2013) respectively. Estimates of vehicle kilometres travelled were obtained from the Bureau of Infrastructure and Regional Economics (BITRE 2012).

Acknowledgements

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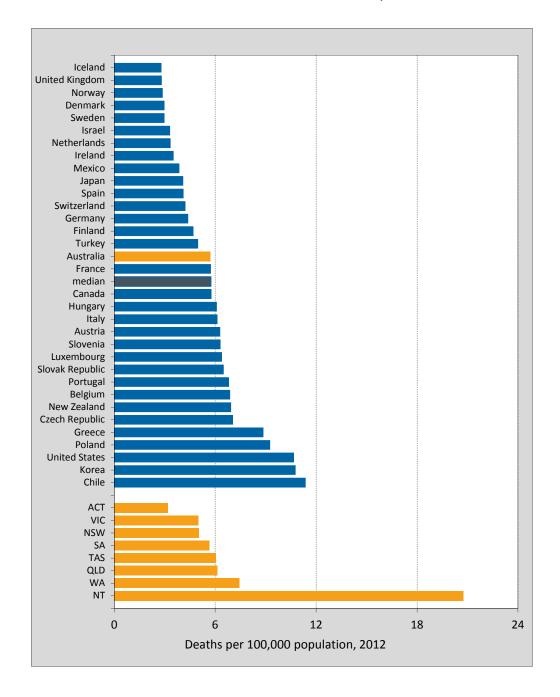
Road deaths per 100,000 population - OECD nations, 2012

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

Table I Road deaths per 100,000 population — OECD nations and Australian states/territories, 2012

Nation	Road	Population	Deaths per 100,000
	deaths	(000s)	population
Iceland	9	320	2.82
United Kingdom	1,802	63,705	2.83
Norway	145	5,019	2.89
Denmark	167	5,592	2.99
Sweden	285	9,519	2.99
Israel	263	7,911	3.32
Netherlands	562	16,755	3.35
Ireland	162	4,587	3.53
Mexico	4,539	117,054	3.88
Japan	5,237	127,515	4.11
Spain	1,903	46,147	4.12
Switzerland	339	7,955	4.26
Germany	3,600	81,932	4.39
Finland	255	5,414	4.71
Turkey	3,750	75,176	4.99
Australia	1,299	22,710	5.72
France	3,653	63,519	5.75
median	,		5.75
Canada	2,104	34,880	6.03
Hungary	605	9,920	6.10
Italy	3,653	59,540	6.14
Austria	531	8,430	6.30
Slovenia	130	2,057	6.32
Luxembourg	34	531	6.40
Slovak Republic	352	5,408	6.51
Portugal	718	10,515	6.83
Belgium	767	11,128	6.89
New Zealand	308	4,433	6.95
Czech Republic	742	10,509	7.06
Greece	984	11,090	8.87
Poland	3,571	38,534	9.27
United States	33,561	313,914	10.69
Korea	5,392	50,004	10.78
Chile	1,980	17,403	11.38
Cime	1,700	17,100	11.55
ACT	12	375	3.20
VIC	282	5,633	5.01
NSW	369	7,307	5.05
SA	94	1,656	5.68
TAS	31	512	6.05
QLD	280	4,568	6.13
WA	182	2,438	7.47
NT	49	236	20.77

Figure I Road deaths per 100,000 population — OECD nations and Australian states/territories, 2012

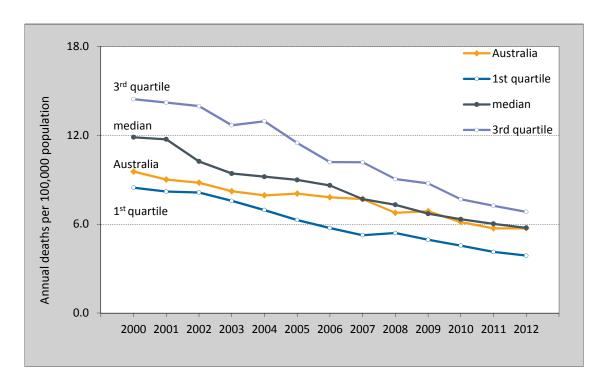


OECD nations, 1990 and 2000 to 2012

Table 2 Annual road deaths per 100,000 population — OECD nations and Australian states/territories, 1990 and 2000 to 2012

Celand	Mation	1990	2000	2001	2002	2003	2004	2005	2007	2007	2000	2009	2010	2011	2012
United Kingdom 9,4	Nation	1990	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Norway	Iceland					8.0				4.8					
Denmark 12.3 9.3 8.0 8.6 8.0 6.8 6.1 5.6 7.4 7.4 5.5 4.6 3.9 3.0	United Kingdom	9.4	6.1	6. l	6.0	6.1	5.7	5.6	5.5	5.1		3.8	3.1	3.1	
Sweden 9,0 6,7 6,2 6,0 5,9 5,3 4,9 4,9 5,1 4,3 3,9 2,8 3,4 3,0 Israel 8,7 7,1 - - - 6,3 4,9 4,9 5,1 4,3 3,9 2,8 3,4 3,3 Netherlands 9,2 6,8 6,2 6,1 6,3 4,9 4,6 4,5 4,3 4,1 3,9 3,2 3,3 3,3 Mexico -	Norway	7.8	7.6	6.1	6.9	6.2	5.6	4.8	5.2	4.9	5.3	4.4	4.3	3.4	2.9
Israel	Denmark	12.3		8.0	8.6	8.0				7.4	7.4	5.5	4.6	3.9	
Netherlands 9.2 6.8 6.2 6.1 6.3 4.9 4.6 4.5 4.3 4.1 3.9 3.2 3.3 3.4 Ireland 13.6 10.9 10.6 9.6 8.4 9.2 9.5 8.4 7.7 - 5.3 4.7 4.1 3.5 Mexico	Sweden	9.0	6.7	6.2	6.0	5.9	5.3	4.9	4.9	5.1	4.3	3.9	2.8	3.4	3.0
Ireland	Israel	8.7	7.1	-	-	-	-	6.3	5.7	5.3	5.6	4.2	4.6	4.4	3.3
Mexico	Netherlands	9.2	6.8	6.2	6.1	6.3	4.9	4.6	4.5	4.3	4 . I	3.9	3.2	3.3	3.4
Japan 11.8	Ireland	13.6	10.9	10.6	9.6	8.4	9.2	9.5	8.4	7.7	-	5.3	4.7	4 . I	
Spain 23.2 14.3 13.5 12.9 12.9 11.1 10.2 9.3 8.5 6.8 5.9 5.4 4.5 4.1 Switzerland 13.8 8.2 7.5 7.0 7.4 6.9 5.5 4.9 5.1 4.7 4.5 4.2 4.0 4.3 Finland 13.0 7.7 8.3 8.0 7.3 7.2 7.2 6.4 7.2 6.5 5.2 5.1 4.5 4.9 4.4 Finland 13.7 7.7 8.3 8.0 7.3 7.2 7.2 6.4 7.2 6.5 5.2 5.1 5.4 4.7 Turkey -	Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9
Switzerland 13.8 8.2 7.5 7.0 7.4 6.9 5.5 4.9 5.1 4.7 4.5 4.2 4.0 4.3 Germany 14.2 9.1 8.5 8.3 8.0 7.1 6.5 6.2 6.0 5.5 5.1 4.5 4.9 4.4 Finland 13.0 7.7 8.3 8.0 7.3 7.2 7.2 6.4 7.2 6.5 5.2 5.1 5.4 4.7 Turkey -	Japan	11.8	8.2	7.9	7.6	7.0	6.7	6.3	5.7	5.2	4.8	4.6	4.5	4.3	4.1
Germany 14.2 9.1 8.5 8.3 8.0 7.1 6.5 6.2 6.0 5.5 5.1 4.5 4.9 4.4 Finland 13.0 7.7 8.3 8.0 7.3 7.2 7.2 6.4 7.2 6.5 5.2 5.1 5.4 4.7 Turkey -	Spain	23.2	14.3	13.5	12.9	12.9	11.1	10.2	9.3	8.5	6.8	5.9	5.4	4.5	4.1
Finland	Switzerland	13.8	8.2	7.5	7.0	7.4	6.9	5.5	4.9	5.1	4.7	4.5	4.2	4.0	4.3
Turkey	Germany	14.2	9.1	8.5	8.3	8.0	7. I	6.5	6.2	6.0	5.5	5.1	4.5	4.9	4.4
Australia 13.7 9.5 9.0 8.8 8.2 7.9 8.1 7.8 7.7 6.8 6.9 6.1 5.7 5.7 France 19.8 13.7 13.7 12.8 10.0 9.2 8.7 7.6 7.5 6.9 6.8 6.3 5.8 Canada 14.3 9.5 8.9 9.3 8.8 8.6 9.0 8.9 8.4 7.3 6.6 6.6 5.8 6.0 Hungary 23.4 11.8 12.2 14.1 - - - - - 7.9 7.0 6.8 6.4 6.1 Hungary 12.6 12.4 - - - - - - 7.9 7.0 6.8 6.4 6.1 Austria 20.3 12.2 11.9 11.8 11.5 10.7 9.3 8.8 8.3 8.1 7.6 6.3 Luxembourg 18.6 17.6 15.9	Finland	13.0	7.7	8.3	8.0	7.3	7.2	7.2	6.4	7.2	6.5	5.2	5.1	5.4	4.7
France 19.8 13.7 13.7 12.8 10.0 9.2 8.7 7.6 7.5 6.9 6.8 6.3 6.3 5.8 Canada 14.3 9.5 8.9 9.3 8.8 8.6 9.0 8.9 8.4 7.3 6.6 6.6 5.8 6.0 Hungary 23.4 11.8 12.2 14.1 7.4 6.4 6.1 Italy 12.6 12.4 7.9 7.0 6.8 6.4 6.1 Austria 20.3 12.2 11.9 11.8 11.5 10.7 9.3 8.8 8.3 8.1 7.6 6.6 6.2 6.3 Slovenia 25.9 15.8 14.0 13.5 12.1 13.7 12.9 13.1 14.6 10.6 8.4 6.7 6.9 6.3 Luxembourg 18.6 17.6 15.9 13.9 11.7 10.9 10.1 7.4 9.6 6.3 6.4 6.4 Slovak Republic	Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0
Canada 14.3 9.5 8.9 9.3 8.8 8.6 9.0 8.9 8.4 7.3 6.6 6.6 5.8 6.0 Hungary 23.4 11.8 12.2 14.1 - - - - - 7.4 6.4 6.1 Italy 12.6 12.4 - - - - - 7.9 7.0 6.8 6.4 6.1 Austria 20.3 12.2 11.9 11.8 11.5 10.7 9.3 8.8 8.3 8.1 7.6 6.6 6.2 6.3 Slovenia 25.9 15.8 14.0 13.5 12.1 13.7 12.9 13.1 14.6 10.6 8.4 6.7 6.9 6.3 Luxembourg 18.6 17.6 15.9 13.9 11.7 10.9 10.1 - 7.4 9.6 6.3 6.4 6.4 Slovak Republic - - - -	Australia	13.7	9.5	9.0	8.8	8.2	7.9		7.8	7.7	6.8	6.9	6.1	5.7	5.7
Hungary 23.4 11.8 12.2 14.1 7.4 6.4 6.1 ltaly 12.6 12.4 7.9 7.0 6.8 6.4 6.1 Austria 20.3 12.2 11.9 11.8 11.5 10.7 9.3 8.8 8.3 8.1 7.6 6.6 6.2 6.3 Slovenia 25.9 15.8 14.0 13.5 12.1 13.7 12.9 13.1 14.6 10.6 8.4 6.7 6.9 6.3 Luxembourg 18.6 17.6 15.9 13.9 11.7 10.9 10.1 7.4 9.6 6.3 6.4 6.4 Slovak Republic	France	19.8				10.0				7.5	6.9	6.8	6.3	6.3	5.8
Italy	Canada	14.3	9.5	8.9	9.3	8.8	8.6	9.0	8.9	8.4	7.3	6.6	6.6	5.8	6.0
Austria 20.3 12.2 11.9 11.8 11.5 10.7 9.3 8.8 8.3 8.1 7.6 6.6 6.2 6.3 Slovenia 25.9 15.8 14.0 13.5 12.1 13.7 12.9 13.1 14.6 10.6 8.4 6.7 6.9 6.3 Luxembourg 18.6 17.6 15.9 13.9 11.7 10.9 10.1 - 7.4 9.6 6.3 6.4 6.4 Slovak Republic - - - - - - - - - - 6.5 Portugal 29.3 20.0 17.8 17.8 16.3 13.6 13.1 10.2 10.2 9.3 8.8 8.9 8.4 6.8 Belgium 19.9 14.3 14.4 13.1 11.7 11.2 10.4 10.1 10.1 8.8 8.7 7.7 7.8 6.9 New Zealand 21.5 12.0 11.7 10.2 11.4 10.7 9.8 9.4 10.0 8.6 8.9 8.6 6.4 6.9 Czech Republic 12.5 14.5 13.0 14.0 14.2 13.5 12.6 10.4 11.8 10.3 8.6 7.6 7.4 7.1 Greece 20.3 18.7 17.2 14.9 14.6 15.1 14.9 14.9 14.4 13.9 13.0 11.3 10.3 8.9 Poland 19.3 16.5 14.5 15.2 14.8 15.0 14.3 13.7 14.6 14.3 12.0 10.1 10.9 9.3 United States 17.9 14.9 14.8 15.0 14.8 14.6 14.7 14.3 13.7 12.3 11.0 10.7 10.4 10.7 Korea 33.1 21.8 17.1 15.2 15.1 13.7 13.2 13.1 12.7 12.0 11.9 11.1 10.5 10.8 Chile 15.7 14.3 - - - - - - - - - - 12.1 11.9 11.4 ACT 9.2 5.7 5.0 3.1 3.4 2.7 7.8 3.9 4.1 4.0 3.4 5.3 5.2 5.0 NSW 13.7 9.4 8.0 8.5 8.1 7.7 7.6 7.4 6.4 5.4 6.4 5.7 5.0 5.0 SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1	Hungary	23.4	11.8	12.2	14.1	-	-	-	-	-	-	-	7.4	6.4	6.1
Slovenia 25.9 15.8 14.0 13.5 12.1 13.7 12.9 13.1 14.6 10.6 8.4 6.7 6.9 6.3	ltaly	12.6	12.4	-	-	-	-	-	-	-	7.9	7.0	6.8	6.4	6.1
Luxembourg 18.6 17.6 15.9 13.9 11.7 10.9 10.1 7.4 9.6 6.3 6.4 6.4 Slovak Republic	Austria	20.3	12.2	11.9	11.8	11.5	10.7			8.3	8.1	7.6	6.6	6.2	6.3
Slovak Republic -	Slovenia	25.9	15.8	14.0	13.5	12.1	13.7			14.6	10.6	8.4	6.7	6.9	6.3
Portugal 29.3 20.0 17.8 17.8 16.3 13.6 13.1 10.2 10.2 9.3 8.8 8.9 8.4 6.8 Belgium 19.9 14.3 14.4 13.1 11.7 11.2 10.4 10.1 10.1 8.8 8.7 7.7 7.8 6.9 New Zealand 21.5 12.0 11.7 10.2 11.4 10.7 9.8 9.4 10.0 8.6 8.9 8.6 6.4 6.9 Czech Republic 12.5 14.5 13.0 14.0 14.2 13.5 12.6 10.4 11.8 10.3 8.6 7.6 7.4 7.1 Greece 20.3 18.7 17.2 14.9 14.6 15.1 14.9 14.9 14.4 13.9 13.0 11.3 10.3 8.9 Poland 19.3 16.5 14.5 15.2 14.8 15.0 14.3 13.7 14.6 14.3 12.0 10.1 <td>Luxembourg</td> <td>18.6</td> <td>17.6</td> <td>15.9</td> <td>13.9</td> <td>11.7</td> <td>10.9</td> <td>10.1</td> <td>-</td> <td>-</td> <td>7.4</td> <td>9.6</td> <td>6.3</td> <td>6.4</td> <td>6.4</td>	Luxembourg	18.6	17.6	15.9	13.9	11.7	10.9	10.1	-	-	7.4	9.6	6.3	6.4	6.4
Belgium 19.9 14.3 14.4 13.1 11.7 11.2 10.4 10.1 10.1 8.8 8.7 7.7 7.8 6.9 New Zealand 21.5 12.0 11.7 10.2 11.4 10.7 9.8 9.4 10.0 8.6 8.9 8.6 6.4 6.9 Czech Republic 12.5 14.5 13.0 14.0 14.2 13.5 12.6 10.4 11.8 10.3 8.6 7.6 7.4 7.1 Greece 20.3 18.7 17.2 14.9 14.6 15.1 14.9 14.4 13.9 13.0 11.3 10.3 8.9 Poland 19.3 16.5 14.5 15.2 14.8 15.0 14.3 13.7 14.6 14.3 12.0 10.1 10.9 9.3 United States 17.9 14.9 14.8 15.0 14.8 14.6 14.7 14.3 13.7 12.0 11.9 11.1 10.5 10.8 Chile 15.7 14.3 - - -	Slovak Republic						-	-		-				-	
New Zealand 21.5 12.0 11.7 10.2 11.4 10.7 9.8 9.4 10.0 8.6 8.9 8.6 6.4 6.9 Czech Republic 12.5 14.5 13.0 14.0 14.2 13.5 12.6 10.4 11.8 10.3 8.6 7.6 7.4 7.1 Greece 20.3 18.7 17.2 14.9 14.6 15.1 14.9 14.4 13.9 13.0 11.3 10.3 8.9 Poland 19.3 16.5 14.5 15.2 14.8 15.0 14.3 13.7 14.6 14.3 12.0 10.1 10.9 9.3 United States 17.9 14.9 14.8 15.0 14.8 14.6 14.7 14.3 13.7 12.3 11.0 10.7 10.4 10.7 Korea 33.1 21.8 17.1 15.2 15.1 13.7 13.2 13.1 12.7 12.0 11.9 11.1	Portugal	29.3	20.0	17.8	17.8	16.3	13.6	13.1	10.2	10.2		8.8	8.9	8.4	
Czech Republic 12.5 14.5 13.0 14.0 14.2 13.5 12.6 10.4 11.8 10.3 8.6 7.6 7.4 7.1 Greece 20.3 18.7 17.2 14.9 14.6 15.1 14.9 14.9 14.4 13.9 13.0 11.3 10.3 8.9 Poland 19.3 16.5 14.5 15.2 14.8 15.0 14.3 13.7 14.6 14.3 12.0 10.1 10.9 9.3 United States 17.9 14.9 14.8 15.0 14.8 14.6 14.7 14.3 13.7 12.3 11.0 10.7 10.4 10.7 Korea 33.1 21.8 17.1 15.2 15.1 13.7 13.2 13.1 12.7 12.0 11.9 11.1 10.5 10.8 Chile 15.7 14.3 - - - - - - - - - - - </td <td>Belgium</td> <td>19.9</td> <td></td> <td>14.4</td> <td>13.1</td> <td>11.7</td> <td></td> <td>10.4</td> <td>10.1</td> <td>10.1</td> <td>8.8</td> <td>8.7</td> <td>7.7</td> <td>7.8</td> <td></td>	Belgium	19.9		14.4	13.1	11.7		10.4	10.1	10.1	8.8	8.7	7.7	7.8	
Greece 20.3 18.7 17.2 14.9 14.6 15.1 14.9 14.4 13.9 13.0 11.3 10.3 8.9 Poland 19.3 16.5 14.5 15.2 14.8 15.0 14.3 13.7 14.6 14.3 12.0 10.1 10.9 9.3 United States 17.9 14.9 14.8 15.0 14.8 14.6 14.7 14.3 13.7 12.3 11.0 10.7 10.4 10.7 Korea 33.1 21.8 17.1 15.2 15.1 13.7 13.2 13.1 12.7 12.0 11.9 11.1 10.5 10.8 Chile 15.7 14.3 - - - - - - - - - 12.1 11.9 11.1 10.5 10.8 VIC 12.5 8.7 9.3 8.2 6.8 7.0 6.9 6.7 6.4 5.8 5.4 5.3	New Zealand					11.4	10.7	9.8	9.4	10.0	8.6	8.9			
Poland 19.3 16.5 14.5 15.2 14.8 15.0 14.3 13.7 14.6 14.3 12.0 10.1 10.9 9.3 United States 17.9 14.9 14.8 15.0 14.8 14.6 14.7 14.3 13.7 12.3 11.0 10.7 10.4 10.7 Korea 33.1 21.8 17.1 15.2 15.1 13.7 13.2 13.1 12.7 12.0 11.9 11.1 10.5 10.8 Chile 15.7 14.3 - - - - - - - - - - - - 12.1 11.9 11.1 10.5 10.8 Chile 15.7 14.3 - - - - - - - - - 12.0 11.9 11.1 10.5 10.8 VIC 12.5 8.7 9.3 8.2 6.8 7.0 6.9 6.7 6.4 5.8 5.4 5.3 5.2 5.0 NSW 13.7 </td <td>Czech Republic</td> <td>12.5</td> <td>14.5</td> <td>13.0</td> <td>14.0</td> <td>14.2</td> <td>13.5</td> <td>12.6</td> <td>10.4</td> <td>11.8</td> <td>10.3</td> <td>8.6</td> <td>7.6</td> <td>7.4</td> <td></td>	Czech Republic	12.5	14.5	13.0	14.0	14.2	13.5	12.6	10.4	11.8	10.3	8.6	7.6	7.4	
United States 17.9 14.9 14.8 15.0 14.8 14.6 14.7 14.3 13.7 12.3 11.0 10.7 10.4 10.7 Korea 33.1 21.8 17.1 15.2 15.1 13.7 13.2 13.1 12.7 12.0 11.9 11.1 10.5 10.8 Chile 15.7 14.3 12.1 11.9 11.4 ACT 9.2 5.7 5.0 3.1 3.4 2.7 7.8 3.9 4.1 4.0 3.4 5.3 1.6 3.2 VIC 12.5 8.7 9.3 8.2 6.8 7.0 6.9 6.7 6.4 5.8 5.4 5.3 5.2 5.0 NSW 13.7 9.4 8.0 8.5 8.1 7.7 7.6 7.4 6.4 5.4 6.4 5.7 5.0 5.0 SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1	Greece	20.3	18.7		14.9	14.6	15.1	14.9	14.9	14.4	13.9	13.0	11.3	10.3	8.9
Korea 33.1 21.8 17.1 15.2 15.1 13.7 13.2 13.1 12.7 12.0 11.9 11.1 10.5 10.8 Chile 15.7 14.3 - - - - - - - - - - 12.1 11.9 11.1 10.5 10.8 ACT 9.2 5.7 5.0 3.1 3.4 2.7 7.8 3.9 4.1 4.0 3.4 5.3 1.6 3.2 VIC 12.5 8.7 9.3 8.2 6.8 7.0 6.9 6.7 6.4 5.8 5.4 5.3 5.2 5.0 NSW 13.7 9.4 8.0 8.5 8.1 7.7 7.6 7.4 6.4 5.4 6.4 5.7 5.0 5.0 SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 <td>Poland</td> <td>19.3</td> <td>16.5</td> <td>14.5</td> <td></td> <td>14.8</td> <td>15.0</td> <td>14.3</td> <td></td> <td>14.6</td> <td>14.3</td> <td>12.0</td> <td>10.1</td> <td>10.9</td> <td>9.3</td>	Poland	19.3	16.5	14.5		14.8	15.0	14.3		14.6	14.3	12.0	10.1	10.9	9.3
Chile 15.7 14.3 12.1 11.9 11.4 ACT 9.2 5.7 5.0 3.1 3.4 2.7 7.8 3.9 4.1 4.0 3.4 5.3 1.6 3.2 VIC 12.5 8.7 9.3 8.2 6.8 7.0 6.9 6.7 6.4 5.8 5.4 5.3 5.2 5.0 NSW 13.7 9.4 8.0 8.5 8.1 7.7 7.6 7.4 6.4 5.4 6.4 5.7 5.0 5.0 SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1	United States	17.9	14.9	14.8		14.8	14.6					11.0	10.7	10.4	10.7
ACT 9.2 5.7 5.0 3.1 3.4 2.7 7.8 3.9 4.1 4.0 3.4 5.3 1.6 3.2 VIC 12.5 8.7 9.3 8.2 6.8 7.0 6.9 6.7 6.4 5.8 5.4 5.3 5.2 5.0 NSW 13.7 9.4 8.0 8.5 8.1 7.7 7.6 7.4 6.4 5.4 6.4 5.7 5.0 5.0 SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1	Korea	33.1	21.8	17.1	15.2	15.1	13.7	13.2	13.1	12.7	12.0	11.9	11.1	10.5	10.8
VIC 12.5 8.7 9.3 8.2 6.8 7.0 6.9 6.7 6.4 5.8 5.4 5.3 5.2 5.0 NSW 13.7 9.4 8.0 8.5 8.1 7.7 7.6 7.4 6.4 5.4 6.4 5.7 5.0 5.0 SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1	Chile	15.7	14.3	-	-	-	-	-	-	-	-	-	12.1	11.9	11.4
VIC 12.5 8.7 9.3 8.2 6.8 7.0 6.9 6.7 6.4 5.8 5.4 5.3 5.2 5.0 NSW 13.7 9.4 8.0 8.5 8.1 7.7 7.6 7.4 6.4 5.4 6.4 5.7 5.0 5.0 SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1															
NSW 13.7 9.4 8.0 8.5 8.1 7.7 7.6 7.4 6.4 5.4 6.4 5.7 5.0 5.0 SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1	ACT	9.2	5.7	5.0	3.1	3.4	2.7	7.8	3.9	4.1	4.0	3.4	5.3	1.6	3.2
SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1	VIC	12.5	8.7	9.3	8.2	6.8	7.0	6.9	6.7	6.4	5.8	5.4	5.3	5.2	5.0
SA 15.8 11.1 10.2 10.2 10.3 9.1 9.6 7.5 7.9 6.2 7.4 7.3 6.3 5.7 TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1	NSW		9.4		8.5				7.4					5.0	
TAS 15.4 9.1 12.9 7.8 8.6 12.0 10.5 11.2 9.1 7.8 12.5 6.1 4.7 6.1 QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1															
QLD 13.8 9.0 9.1 8.8 8.3 8.1 8.4 8.4 8.8 7.8 7.6 5.7 6.0 6.1															
VVA 12.2 11.3 8.7 7.3 7.2 7.0 8.1 9.8 11.2 9.4 8.5 8.4 7.6 7.5	WA	12.2	11.3	8.7	9.3	9.2	9.0	8.1	9.8	11.2	9.4	8.5	8.4	7.6	7.5
NT 41.5 25.6 24.8 27.2 26.3 17.3 26.7 21.5 27.1 34.1 13.7 21.8 19.5 20.8	NT	41.5	25.6	24.8	27.2	26.3	17.3	26.7	21.5	27.1	34.1	13.7	21.8	19.5	

Figure 2 Annual road deaths per 100,000 population — OECD quartiles and Australia, 1990 and 2000 to 2012



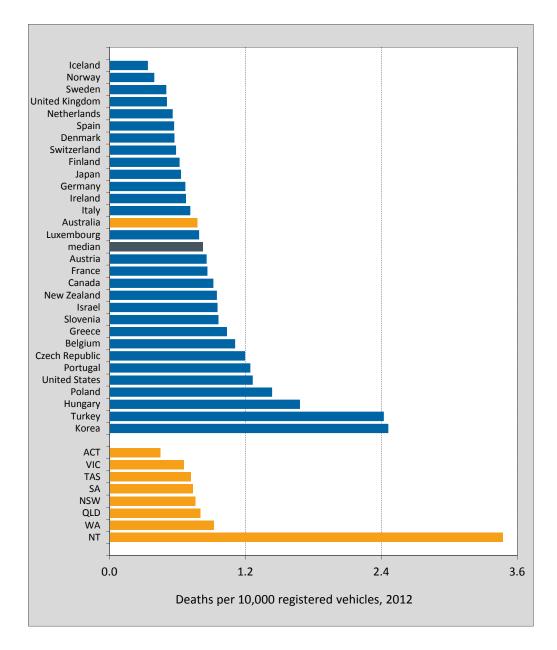
Road deaths per 10,000 registered vehicles - OECD nations, 2012

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.

Table 3 Road deaths per 10,000 registered vehicles — OECD nations and Australian states/territories, 2012

Nation	Road	Total registered	Deaths per 10,000 registered
	deaths	vehicles (1,000)	vehicles
Iceland	9	266	0.34
Norway	145	3,672	0.39
Sweden	285	5,701	0.50
United Kingdom	1,802	35,582	0.51
Netherlands	562	10,095	0.56
Spain	1,903	33,373	0.57
Denmark	167	2,916	0.57
Switzerland	339	5,775	0.59
Finland	255	4,130	0.62
Japan	5,237	82,994	0.63
Germany	3,600	53,832	0.67
Ireland	162	2,403	0.67
Italy	3,653	51,292	0.71
Australia	1,299	16,742	0.78
Luxembourg	34	430	0.79
median			0.82
Austria	531	6,195	0.86
France	3,653	42,275	0.86
Canada	2,104	23,006	0.91
New Zealand	308	3,250	0.95
Israel	263	2,761	0.95
Slovenia	130	1,351	0.96
Greece	984	9,493	1.04
Belgium	767	6,921	1.11
Czech Republic	742	6,205	1.20
Portugal	718	5,775	1.24
United States	33,561	265,647	1.26
Poland	3,571	24,876	1.44
Hungary	605	3,598	1.68
Turkey	3,750	15,485	2.42
Korea	5,392	21,909	2.46
ACT	12	267	0.45
VIC	282	4,286	0.66
TAS	31	432	0.72
SA	94	1,275	0.74
NSW	369	4,870	0.76
QLD	280	3,492	0.80
WA	182	1,978	0.92
NT	49	141	3.47



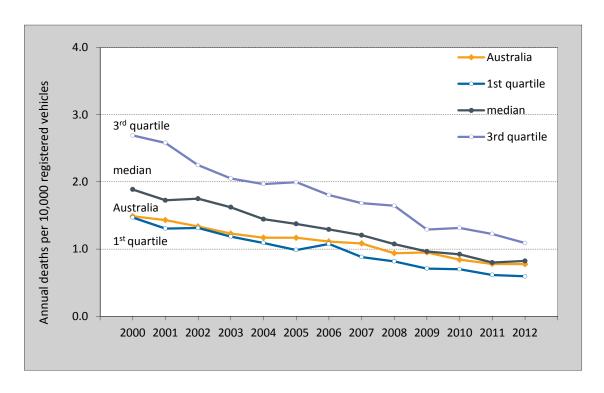


OECD nations, 1990 and 2000 to 2012

Table 4 Annual road deaths per 10,000 registered vehicles — OECD nations and Australian states/territories, 1990 and 2000 to 2012

Nation	1990	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Iceland	1.7	1.8	1.3	1.5	1.1	1.1	0.9	1.3	0.6	0.5	0.7	0.3	0.5	0.3
Norway	1.4	1.2	1.0	1.1	1.0	0.9	0.7	0.8	0.7	0.8	-	-	0.5	0.4
Sweden	1.7	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.9	0.7	0.6	0.5	0.6	0.5
United Kingdom	2.1	1.2	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.7	0.5	0.6	0.5
Netherlands	2.2	1.3	1.2	1.1	1.2	0.9	0.8	0.8	8.0	0.7	0.7	0.5	0.5	0.6
Spain	5.1	2.2	2.1	2.0	2.0	1.7	1.5	1.3	1.2	0.9	0.8	0.7	0.6	0.6
Denmark	2.9	2.0	1.7	1.8	1.7	1.4	1.3	1.2	1.5	_	_	0.9	0.8	0.6
Switzerland	2.2	1.2	1.1	1.0	1.1	1.0	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6
Finland	2.8	1.5	1.6	1.5	1.4	1.3	1.3	1.1	1.2	1.0	0.8	0.7	0.7	0.6
Japan	1.9	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6
Germany	1.9	1.4	1.3	1.2	1.2	1.0	1.0	0.9	0.9	0.9	0.8	0.7	0.8	0.7
Ireland	4.5	2.5	2.3	2.0	1.7	1.8	1.9	1.6	1.4	1.1	1.0	0.9	0.8	0.7
Italy	2.1	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.1	0.9	0.8	0.8	8.0	0.7
Australia	2.3	1.5	1.4	1.3	1.2	1.2	1.2	1.1	1.1	0.9	1.0	0.8	8.0	8.0
Luxembourg	3.3	2.4	2.1	1.8	1.5	1.4	1.3	1.1	1.2	0.9	-	-	0.8	0.8
Austria	3.7	1.8	1.7	1.7	1.7	1.6	1.4	1.3	1.2	1.2	1.1	0.9	0.9	0.9
France	3.6	2.3	2.2	2.0	1.6	1.5	1.4	1.2	1.2	1.1	1.1	1.0	1.0	0.9
Canada	2.3	1.6	1.5	1.6	1.5	1.4	1.5	1.5	1.3	1.2	1.0	1.0	0.9	0.9
New Zealand	3.3	1.8	1.7	1.5	1.6	1.5	1.3	1.3	1.3	1.1	1.2	1.2	0.9	0.9
Israel	-	-	-	-	-	-	2.1	1.9	1.7	1.7	1.3	1.4	1.3	1.0
Slovenia	6.9	3.2	2.8	2.6	2.2	2.5	2.3	2.2	2.4	1.7	1.3	1.0	1.1	1.0
Greece	6.2	3.1	2.7	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.5	1.3	1.2	1.0
Belgium	4.3	2.6	2.5	2.3	2.0	1.9	1.8	1.7	1.7	-	-	1.3	1.3	1.1
Czech Republic	3.3	3.2	2.9	3.0	3.0	2.8	2.5	2.0	2.2	1.9	1.5	1.3	1.3	1.2
Portugal	13.4	3.9	3.4	3.3	3.0	2.5	2.3	1.8	1.8	1.6	1.5	1.6	1.5	1.2
United States	2.4	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.6	1.4	1.3	1.3	1.2	1.3
Poland	8.1	4.5	3.8	3.8	3.5	3.4	3.2	2.9	2.9	2.5	2.1	1.7	2.3	1.4
Hungary	11.2	4.4	4.4	4.8	4.2	3.9	3.8	3.8	3.5	2.7	-	2.0	1.8	1.7
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4
Korea	28.9	6.9	5.1	4.4	4.1	3.6	3.4	3.3	3.2	2.9	-	2.6	2.4	2.5
ACT	1.6	-	0.8	0.5	0.5	0.4	1.2	0.6	0.6	0.6	0.5	0.7	0.2	0.4
VIC	2.1		1.3	1.2	0.9	1.0	0.9	0.8	0.8	0.8	0.3	0.7	0.2	0.7
TAS	2.4	_	1.8	1.1	1.2	1.7			1.2		1.6	0.7		
SA		-	1.5	1.1	1.5	1.7	1. 4 1.3	1.5 1.0	1.1	1.0	1.0	1.0	0.6 0.8	0. <i>7</i> 0.7
NSW	2.6 2.5		1.5	1.4	1.5	1.3	1.3	1.0	1.1	0.8 0.8	1.0	0.9	0.8	0.7
QLD	2.3		1.4	1.3	1.4	1.3	1.2	1.2	1.0	1.0	1.0	0.7	0.8	0.8
WA	2.3 1.9		1.4	1.3	1.2	1.2	1.2	1.2	1.4	1.0	1.0	1.0	0.8	0.8
NT	8.6	-	4.0	5.3	5.1	3.3	5.0	3.9	4.9	6.1	2.4	3.7	3.3	3.5
TYI	0.0		<u>_</u>	<u>_</u>	J.1		3.0		7.7	0.1	Z. 1	3.7		3.5

Figure 4 Annual road deaths per 10,000 registered vehicles — OECD quartiles and Australia, 1990 and 2000 to 2012



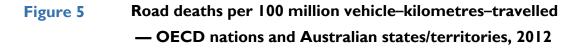
Road deaths per 100 million vehicle-kilometres-travelled – OECD nations, 2012

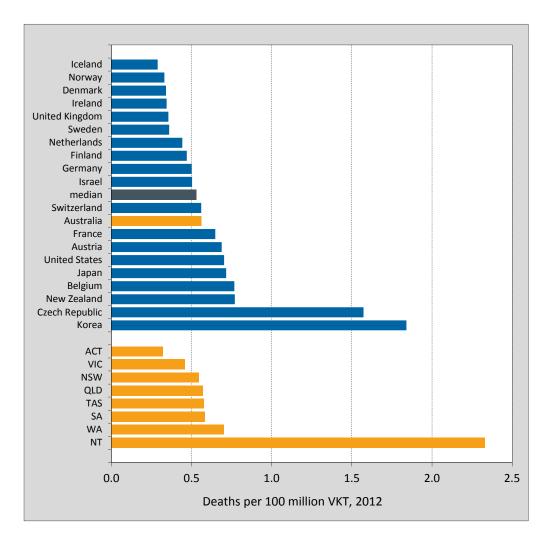
The number of road deaths per vehicle kilometres travelled is a risk measure which takes account of the estimated amount of vehicle travel.

Table 5 Road deaths per 100 million vehicle-kilometres-travelled

— OECD nations and Australian states/territories, 2012

Nation	Road	Total VKT	Deaths per 100 million
_	deaths	(millions)	VKTs
Iceland	9	3,116	0.29
Norway	145	43,952	0.33
Denmark	167	49,097	0.34
Ireland	162	47,088	0.34
United Kingdom	1,802	506,877	0.36
Sweden	285	-	0.36
Netherlands	562	127,210	0.44
Finland	255	54,235	0.47
Germany	3,600	719,300	0.50
Israel	263	52,300	0.50
median			0.53
Switzerland	339	60,548	0.56
Australia	1,299	231,655	0.56
France	3,653	563,700	0.65
Austria	531	77,185	0.69
United States	33,561	4,777,845	0.70
Japan	5,237	731,943	0.72
Belgium	767	99,977	0.77
New Zealand	308	40,012	0.77
Czech Republic	742	47,174	1.57
Korea	5,392	293,065	1.84
ACT	12	3,732	0.32
VIC	282	61,740	0.46
NSW	369	67,554	0.55
QLD	280	49,056	0.57
TAS	31	5,390	0.58
SA	94	16,124	0.58
WA	182	25,954	0.70
NT	49	2,104	2.33



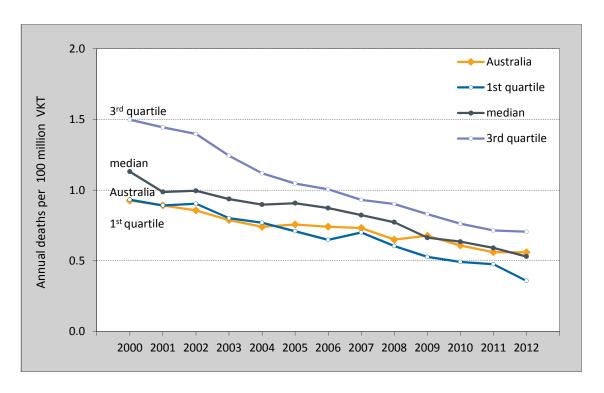


OECD nations, 1990 and 2000 to 2012

Table 6 Annual road deaths per 100 million vehicle-kilometres-travelled
— OECD nations and Australian states/territories, 1990 and
2000 to 2012

Nation	1990	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Iceland	1.5	1.4	1.0	1.2	0.9	0.9	0.7	1.0	0.5	0.4	0.5	0.3	0.4	0.3
Norway	1.2	1.0	0.8	0.9	0.8	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3
Denmark	1.7	1.1	0.9	1.0	-	0.8	0.7	0.6	0.8	0.9	0.7	0.6	0.5	0.3
Ireland	1.9	1.2	1.1	1.0	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3
United Kingdom	1.3	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	-	0.5	0.4	0.4	0.4
Sweden	1.2	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.3	-	0.4
Netherlands	1.4	0.9	0.8	0.8	0.8	-	-	-	-	0.5	0.5	0.4	0.4	0.4
Finland	1.6	0.8	0.9	0.9	0.8	0.7	0.7	0.6	0.7	0.6	0.5	0.5	0.5	0.5
Germany	1.4	1.1	1.0	1.0	1.0	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.6	0.5
Israel	-	-	-	-	-	1.1	1.0	0.9	0.8	0.9	0.6	0.7	0.7	0.5
Switzerland	1.9	1.1	1.0	0.9	1.0	0.9	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.6
Australia	1.4	0.9	0.9	0.9	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
France	2.6	1.6	1.5	1.4	1.1	1.0	1.0	0.8	0.8	0.8	0.8	0.7	0.7	0.6
Austria	3.2	1.5	1.4	1.4	1.3	1.3	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.7
United States	1.3	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7
Japan	2.3	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8	0.8	8.0	0.7
Belgium	2.8	1.6	1.6	1.5	1.3	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	8.0
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	8.0
Czech Republic	4.8	3.7	3.2	3.3	3.2	2.9	2.6	2.1	2.3	1.9	1.6	1.6	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	1.8	1.8
Canada	-	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.6	-
Slovenia	6.5	2.7	2.3	2.2	1.7	1.8	1.7	1.6	1.7	1.2	1.0	0.8	0.8	-
ACT	1.0	0.6	0.5	0.3	0.3	0.3	0.7	0.4	0.4	0.4	0.3	0.5	0.2	0.3
VIC	1.2	0.8	0.9	0.8	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
NSW	1.6	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.6	0.7	0.6	0.5	0.5
QLD	1.4	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.5	0.6	0.6
TAS	1.7	0.9	1.3	0.8	0.8	1.1	1.0	1.1	0.9	0.7	1.2	0.6	0.4	0.6
SA	1.7	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.6	0.8	0.7	0.6	0.6
WA	1.2	1.0	0.8	0.8	0.8	0.8	0.7	0.9	1.0	0.8	0.8	0.8	0.7	0.7
NT	4.7	2.8	2.8	3.1	2.9	1.9	2.9	2.4	3.0	3.7	1.5	2.4	2.1	2.3





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