

# The Spread of COVID-19

## How is Australia going relatively speaking? Update (1), 8 April 2020

The following analysis of 9 countries, based on the World Health Organisation situation reports, tells an important story that is informing ACCI policy as it should government policy. The analysis commenced at Day 0 being the first day that each nation experienced a 100 or more cases and looks at every 5 days after that. For the initial analysis including snapshots from Day 0 to Day 20 at 5-day intervals, see <https://www.australianchamber.com.au/wp-content/uploads/2020/04/COVID-spread-April-2020.pdf>. This update only provides the snapshot for Day 20 and Day 25.

### COVID19 - Coronavirus Spread - country comparison

Country	Date	Cases	New cases	Deaths	New Deaths	Death rate	Population	Cases/Pop %
<b>Day 20</b>								
US	24-Mar	<b>42164</b>	10591	<b>471</b>	69	1.12	327,096,265	0.01289
Italy	16-Mar	<b>24747</b>	3590	<b>1809</b>	368	7.31	60,550,075	0.04087
Germany	22-Mar	<b>21463</b>	3140	<b>67</b>	22	0.31	83,517,045	0.02570
China	3-Feb	<b>17238</b>	2831	<b>361</b>	57	2.09	1,433,783,686	0.00120
France	21-Mar	<b>14296</b>	1821	<b>526</b>	112	3.68	65,129,728	0.02195
UK	26-Mar	<b>9533</b>	1452	<b>463</b>	41	4.86	67,530,172	0.01412
Korea	11-Mar	<b>7755</b>	242	<b>60</b>	6	0.77	51,225,308	0.01514
Canada	2-Apr	<b>9005</b>	1310	<b>105</b>	16	1.17	37,411,047	0.02407
Australia	31-Mar	<b>4359</b>	393	<b>18</b>	2	0.41	25,203,198	0.01730

Situation report was not available for 22 March, so Germany's figure is for 21 March

This Day 20 table illustrates profoundly the crisis in Italy, with over 1800 deaths and a death rate at that stage of 7.3%.

<b>Day 25</b>								
US	29-Mar	<b>103321</b>	18093	<b>1668</b>	425	1.61	327,096,265	0.03159
Italy	21-Mar	<b>53578</b>	6557	<b>4827</b>	795	9.01	60,550,075	0.08849
Germany	27-Mar	<b>42288</b>	5780	<b>253</b>	55	0.60	83,517,045	0.05063
China	8-Feb	<b>34598</b>	3419	<b>723</b>	86	2.09	1,433,783,686	0.00241
France	26-Mar	<b>24920</b>	2895	<b>1331</b>	231	5.34	67,530,172	0.03690
UK	31-Mar	<b>22145</b>	2619	<b>1408</b>	180	6.36	67,530,172	0.03279
Canada	7-Apr	<b>15806</b>	1902	<b>293</b>	62	1.85	37,411,047	0.04225
Korea	16-Mar	<b>8236</b>	74	<b>75</b>	0	0.91	51,225,308	0.01608
Australia	5-Apr	<b>5635</b>	181	<b>34</b>	6	0.60	25,203,198	0.02236

Day 25 for Australia and Canada has only just occurred this week. The picture has changed starkly with US, UK and Italian cases more than doubled in the previous 5-day period whereas for Australia the rate of case growth had already started to decline.

## Current status as at 8 April 2020

The number of cases as at 7 April 2020 is 1,353,361 with 79,235 deaths (death rate of 5.75%). The global death rate has been steadily rising throughout the crisis, but the daily growth in the number of cases has been falling since 1 April 2020. The status of the nine countries in our analysis is as follows:

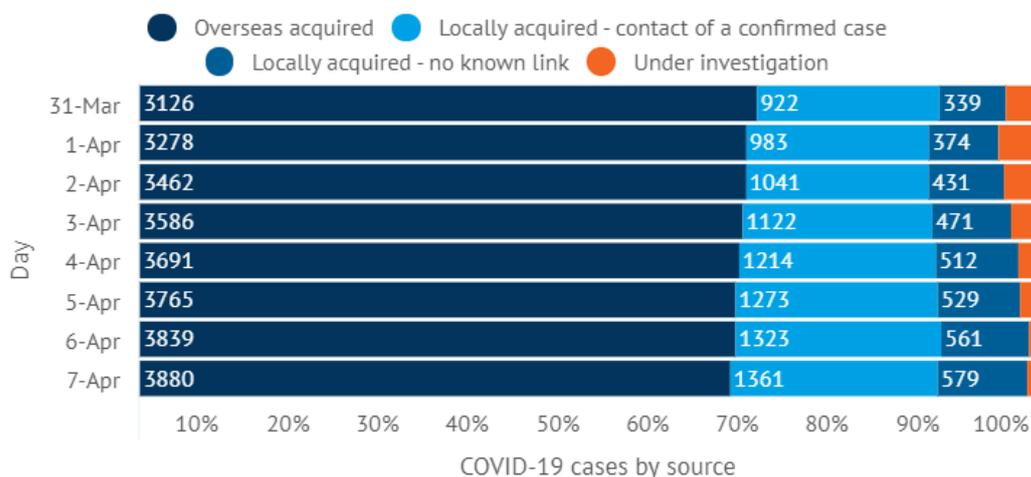
Current Status as at April 8			
	Cases	Deaths	Death Rate
US	363,321	10,845	2.98 %
Italy	135,586	17,129	12.63
Germany	103,228	1,861	1.80
China	83,157	3,342	4.02
France	77,226	10,313	13.35
UK	55,246	6,159	11.15
Canada	17,049	345	2.02
Korea	10,384	200	1.93
Australia	5,956	45	0.76

For the US, France and Germany these cases represent over 0.1% of their population. For Italy, it is 0.2%. For Australia, it is 0.02%.

## Impact of international travel

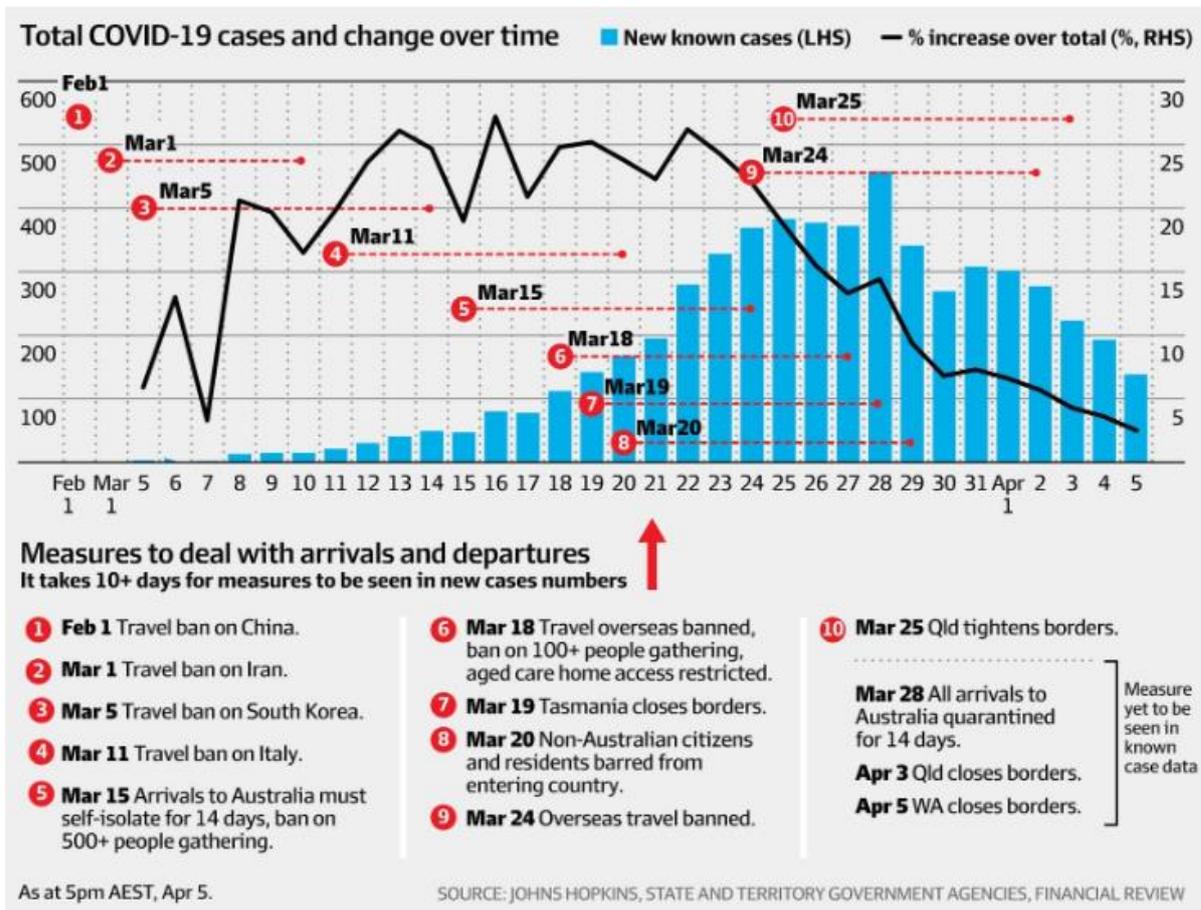
Our geographic benefit of being an island is negated to some extent by Australians fondness for international travel including the impact of cruise ship related cases. Community transmission has been relatively small. Now that further quarantining of international return travellers is in place, it will be important to see whether this further slows the rate of growth of our case numbers.

The graph below dated 7 April 2020 from the AFR is useful in showing the dominance of our cases that have been acquired overseas, although the local transmission is growing. It also demonstrates the effort on tracking the source, where the most recent figures have a smaller percentage under investigation, and a relatively modest number of cases where the source has not been identified as connected to an international traveller.



## Pace of Change, Australia

The AFR is also a useful source of graphs on the pace of change of cases in Australia mapped against the movement changes:



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