

COVID-19 CASES

AS OF FRIDAY 3/27/2020, 6:00PM HST

Statistics regarding daily new cases and active cases the eight countries that has the highest number of total cases, and South Korea

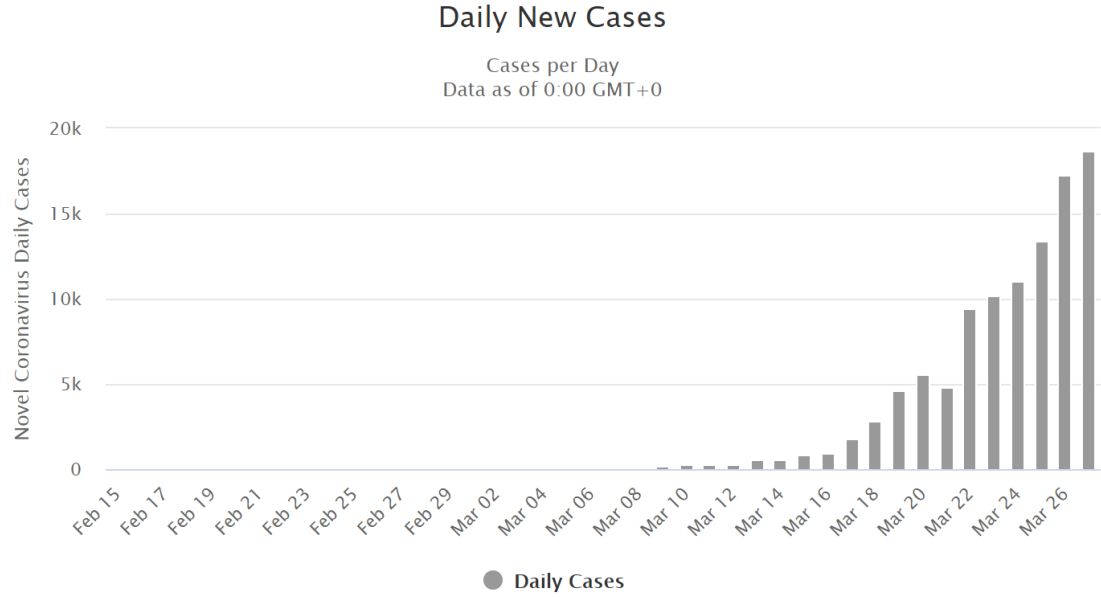
Source: <https://www.worldometers.info/coronavirus/>

Statistics regarding daily new cases are also included for Cyprus and Hawaii.

Source: <https://www.financialmirror.com/category/cyprus/>

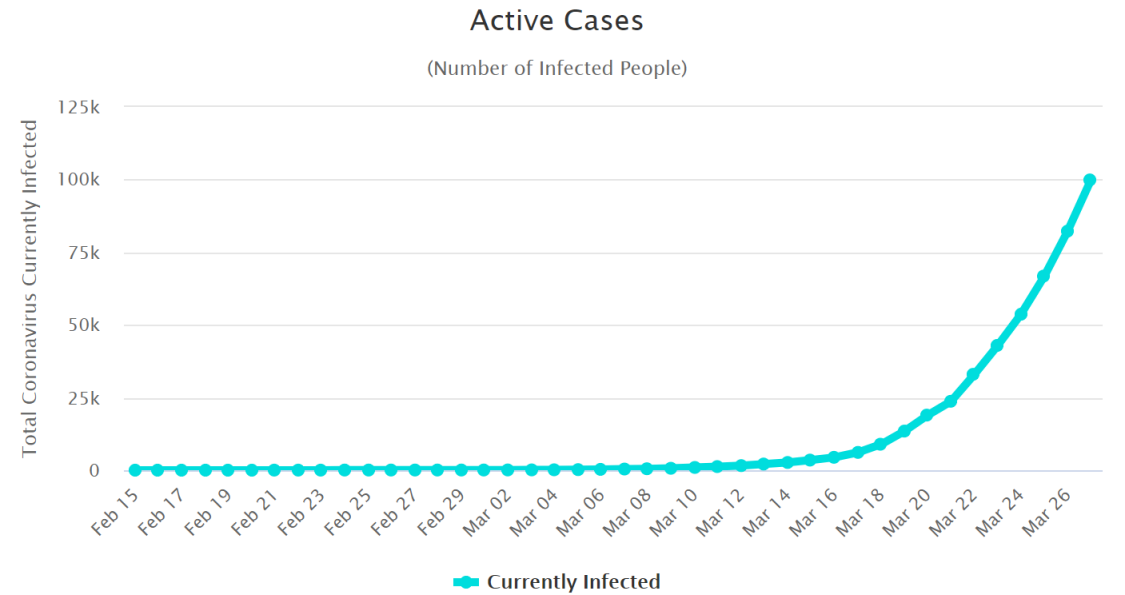
Source: <https://health.hawaii.gov/news/covid-19-updates/>

Daily New Cases in the United States

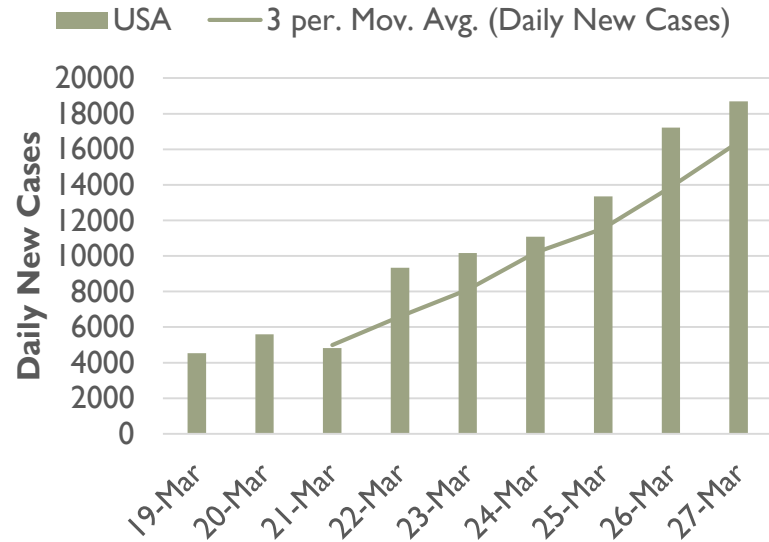


I. USA

Active Cases in the United States



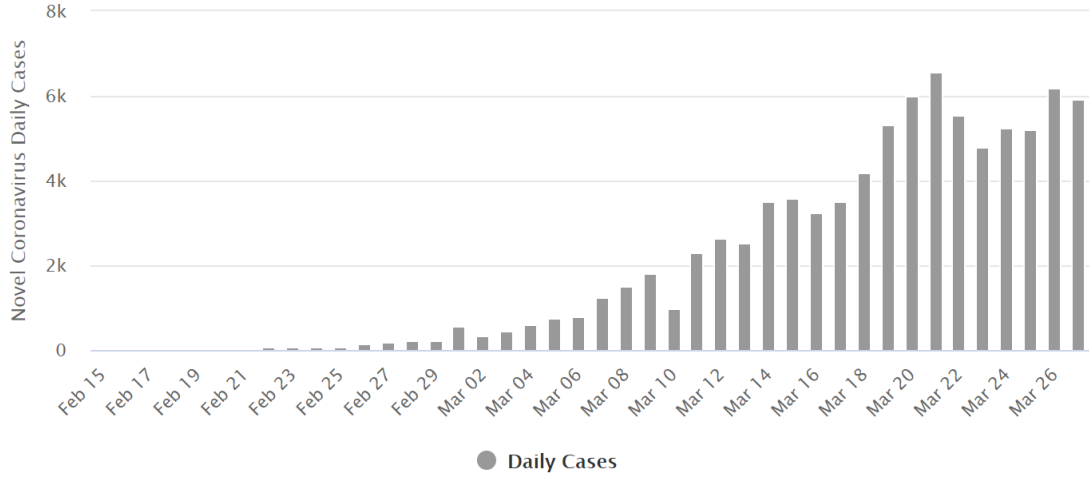
3-Day Moving Average Trendline



Daily New Cases in Italy

Daily New Cases

Cases per Day
Data as of 0:00 GMT+0

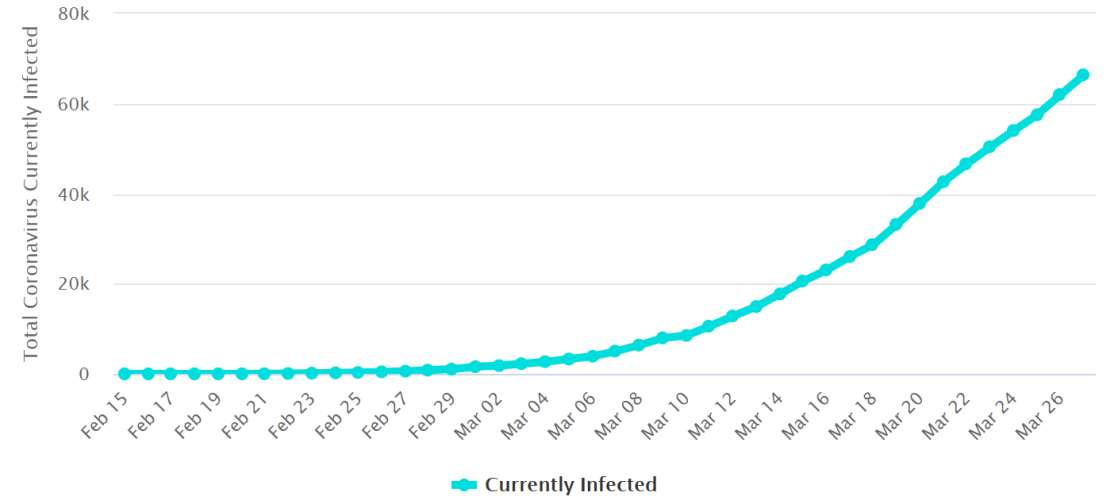


2. Italy

Active Cases in Italy

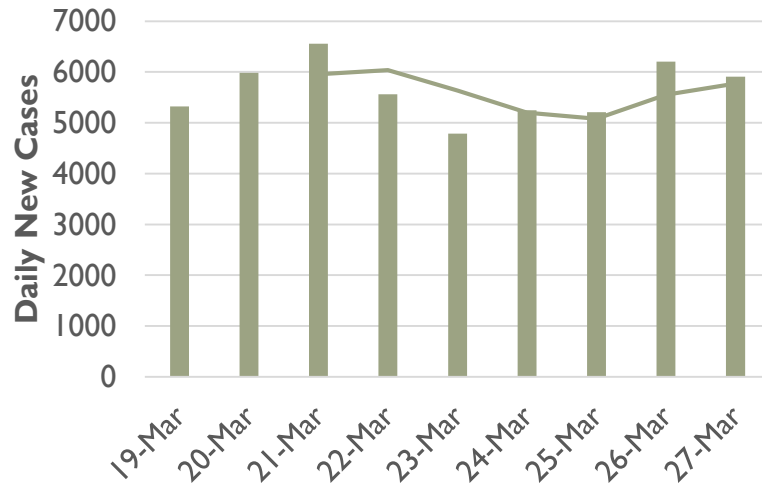
Active Cases

(Number of Infected People)

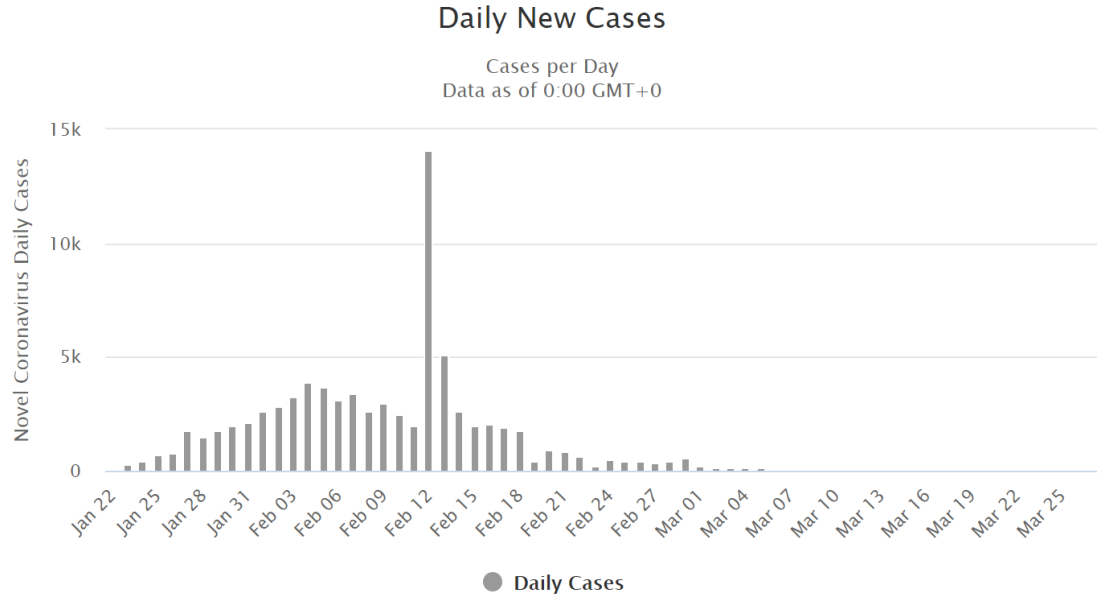


3-Day Moving Average Trendline

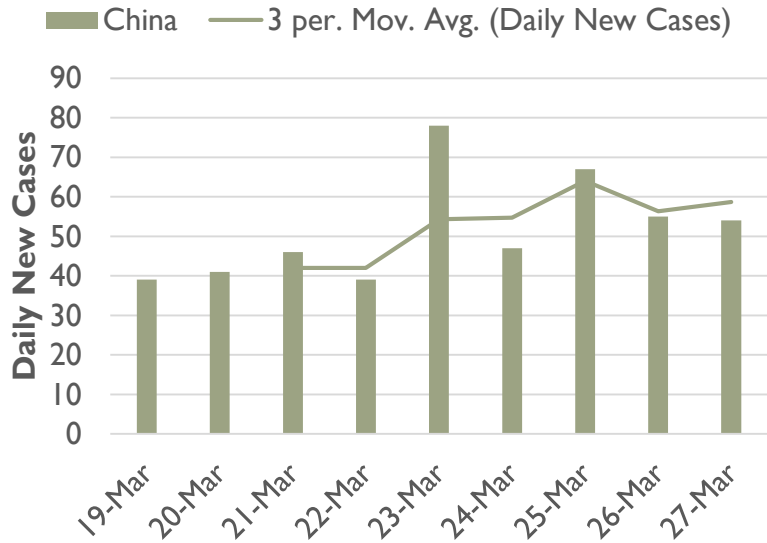
Italy 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in China

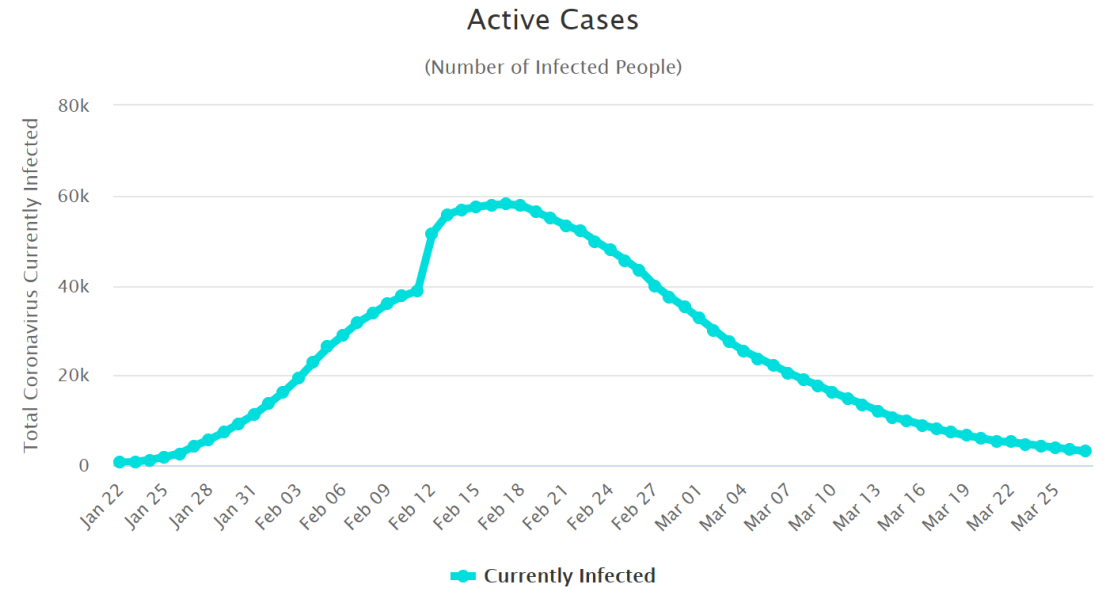


3-Day Moving Average Trendline



3. China

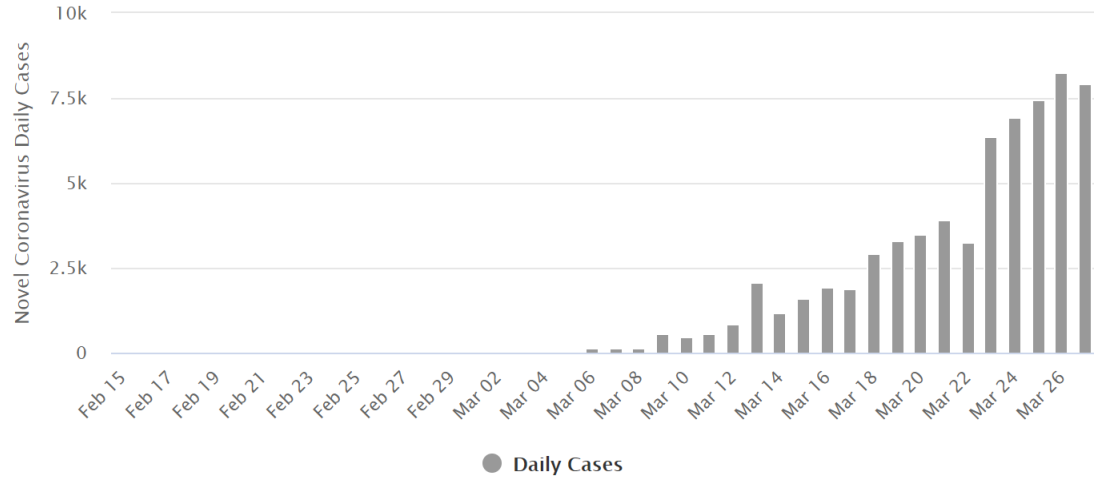
Active Cases in China



Daily New Cases in Spain

Daily New Cases

Cases per Day
Data as of 0:00 GMT+0

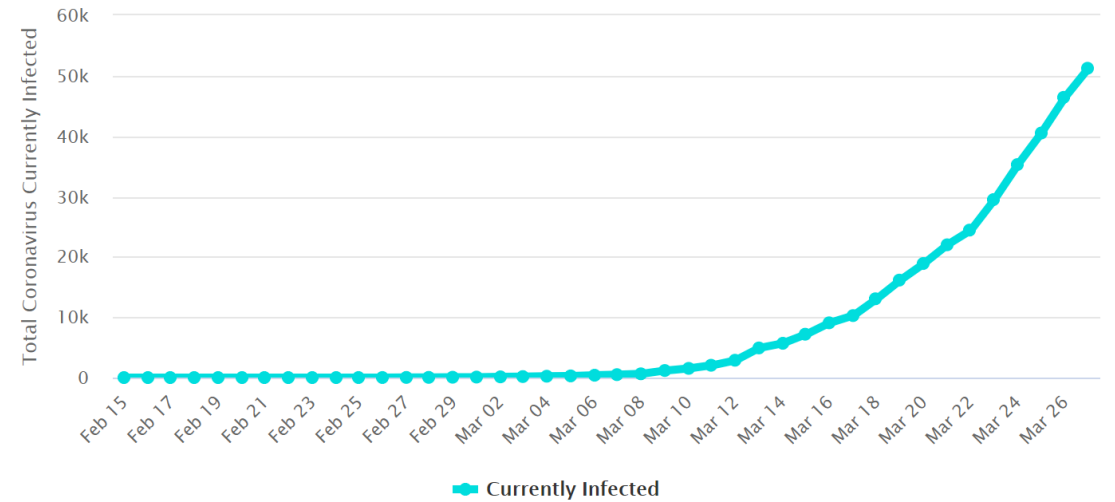


4. Spain

Active Cases in Spain

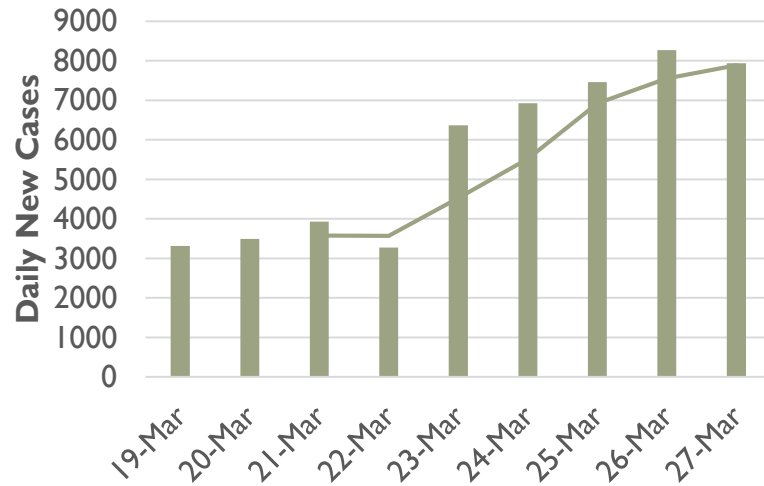
Active Cases

(Number of Infected People)



3-Day Moving Average Trendline

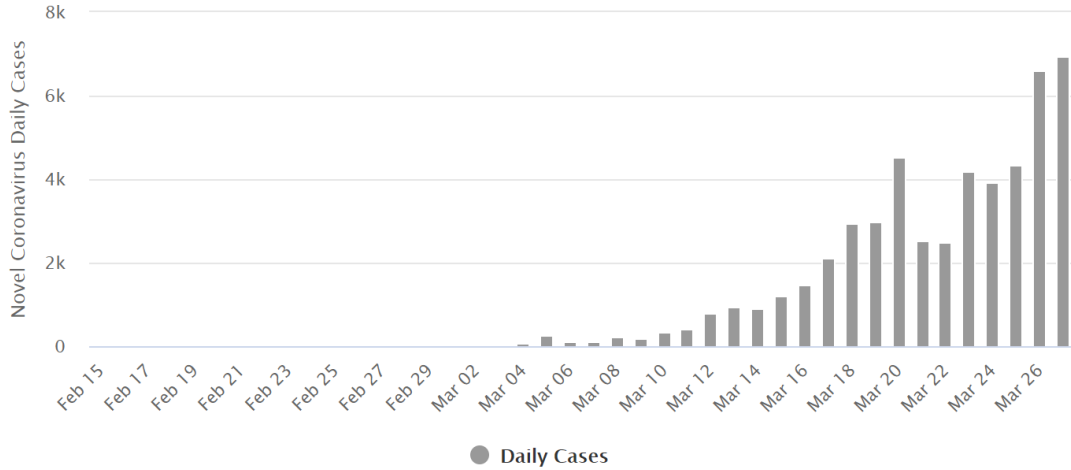
Spain 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in Germany

Daily New Cases

Cases per Day
Data as of 0:00 GMT+0

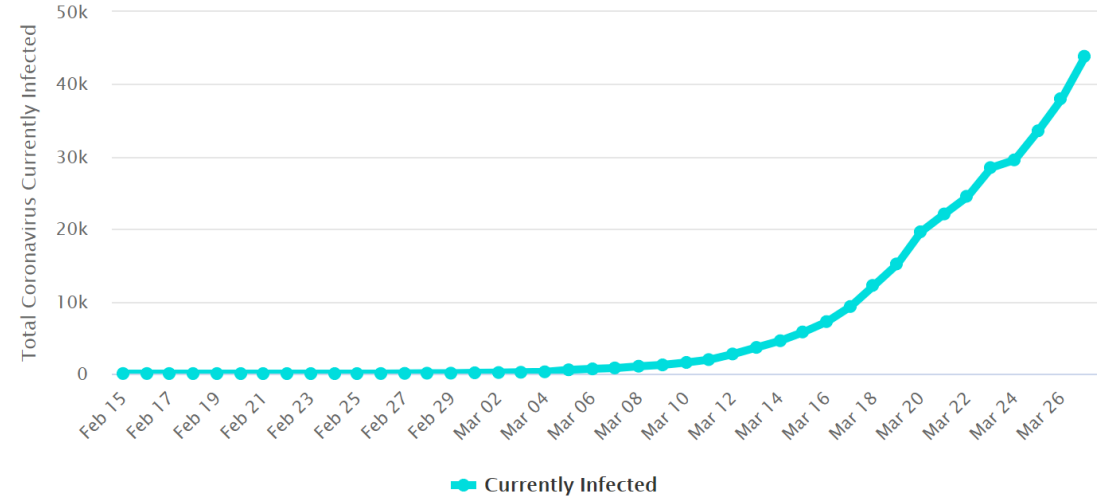


5. Germany

Active Cases in Germany

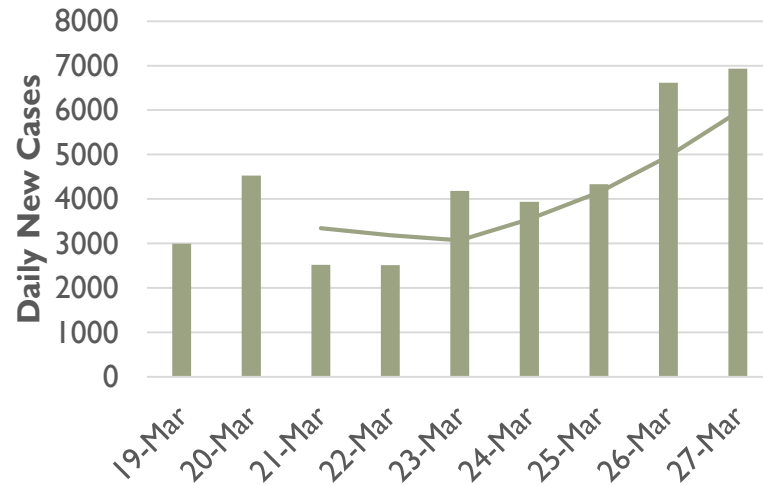
Active Cases

(Number of Infected People)



3-Day Moving Average Trendline

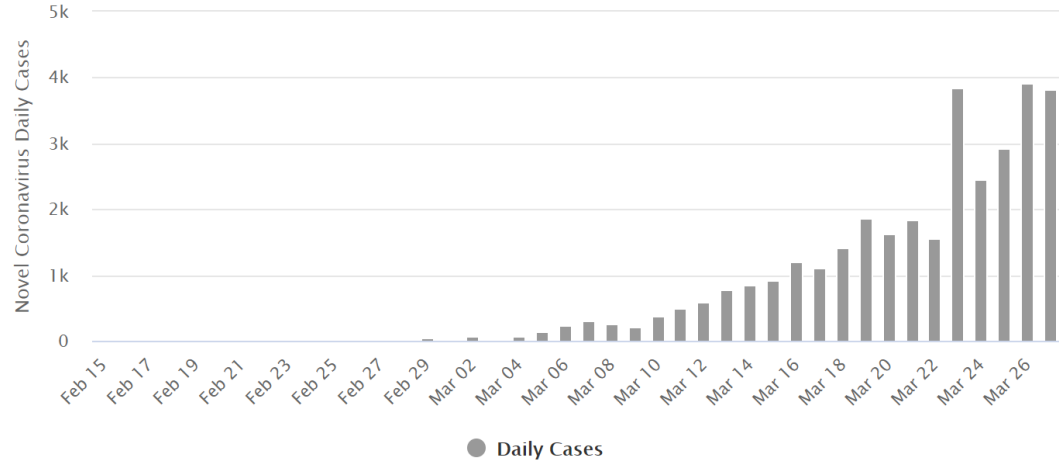
Germany 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in France

Daily New Cases

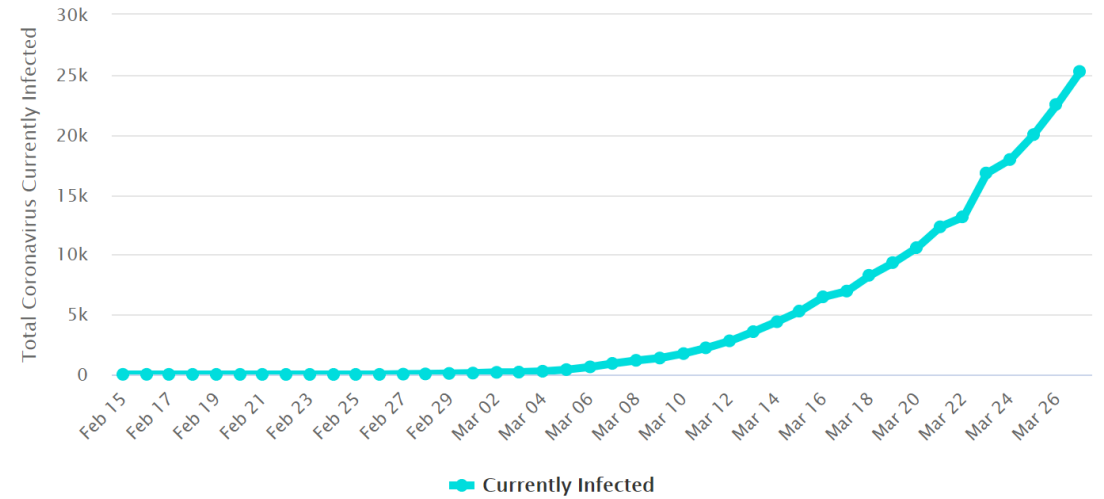
Cases per Day
Data as of 0:00 GMT+0



6. France

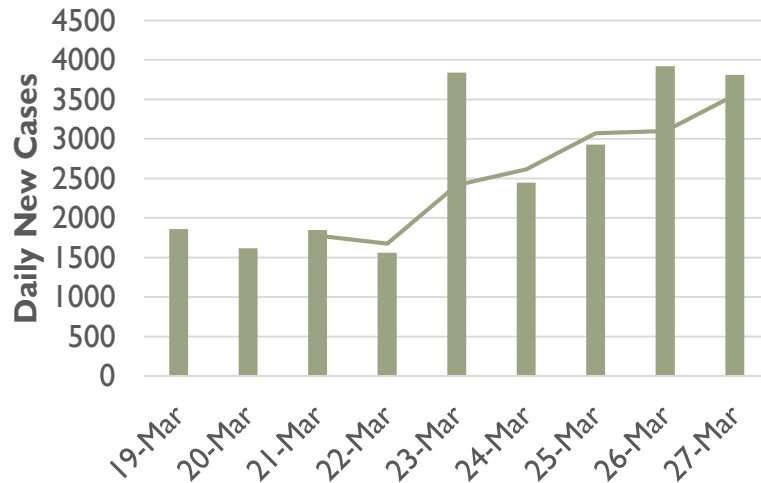
Active Cases in France

Active Cases
(Number of Infected People)



3-Day Moving Average Trendline

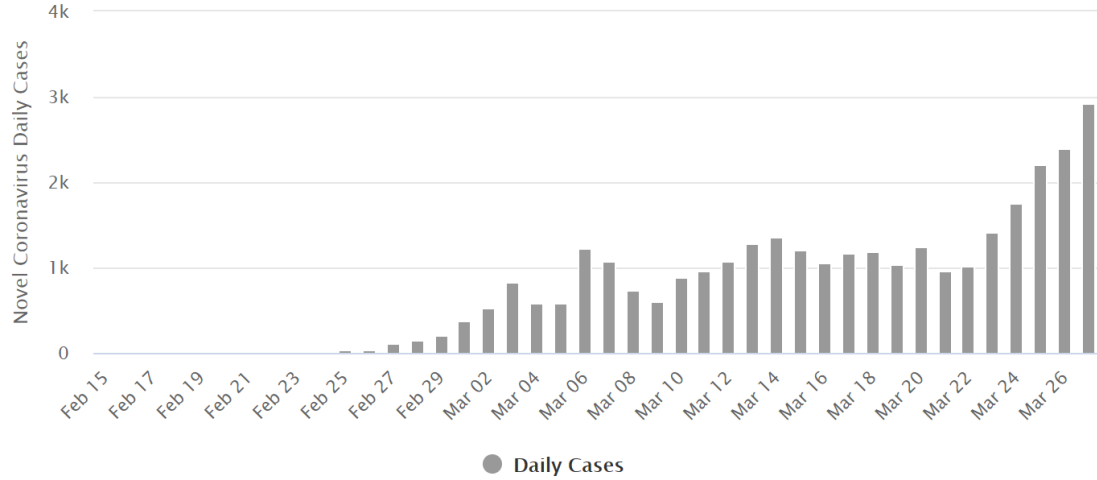
France 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in Iran

Daily New Cases

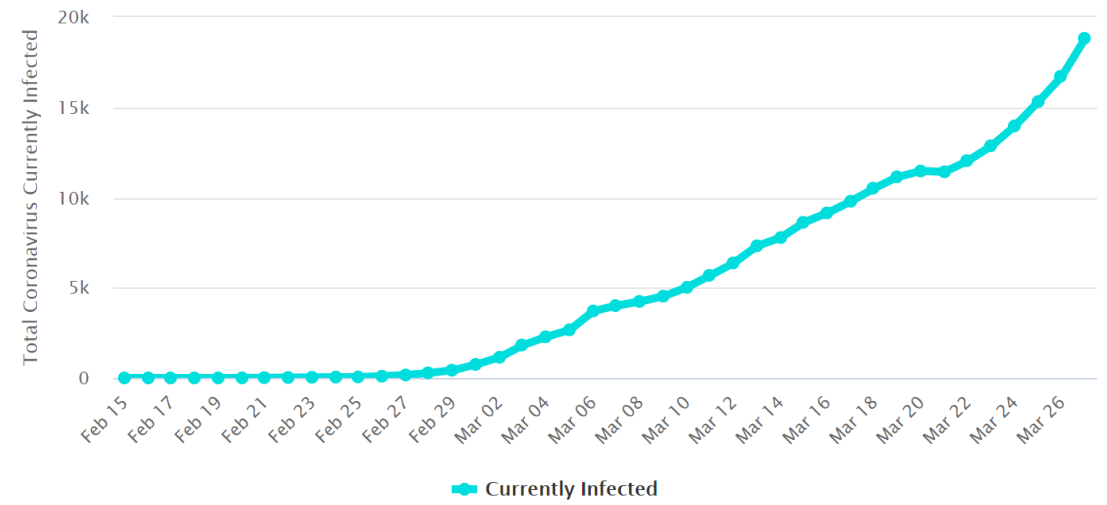
Cases per Day
Data as of 0:00 GMT+0



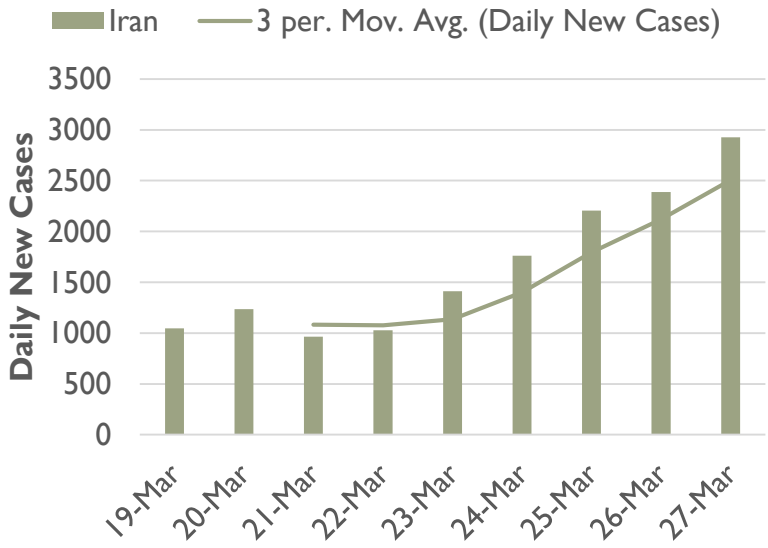
7. Iran

Active Cases in Iran

Active Cases
(Number of Infected People)



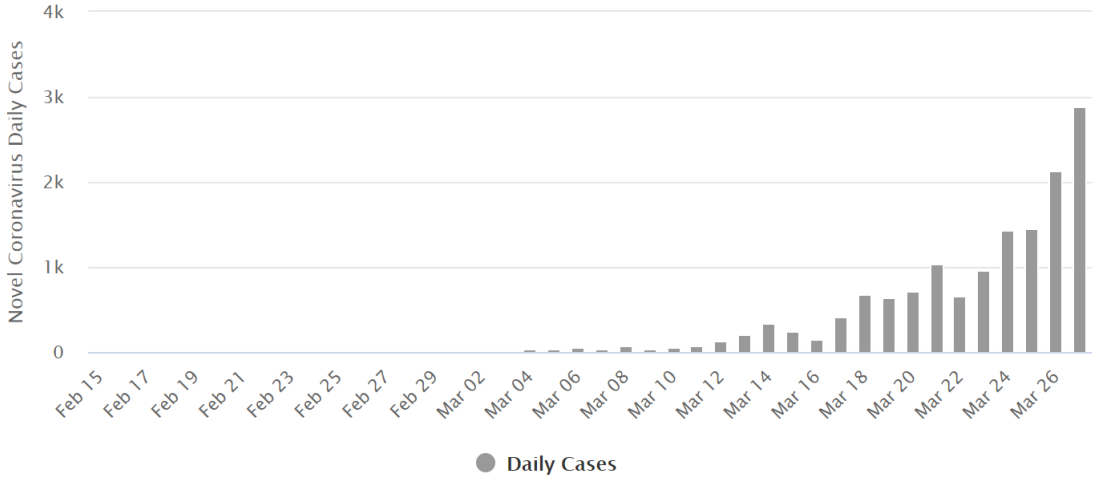
3-Day Moving Average Trendline



Daily New Cases in the United Kingdom

Daily New Cases

Cases per Day
Data as of 0:00 GMT+0

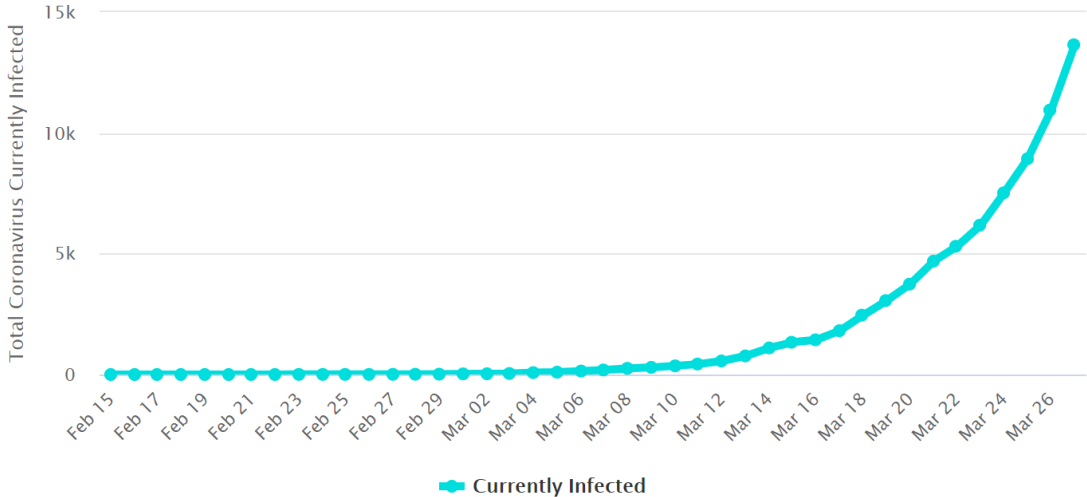


8. UK

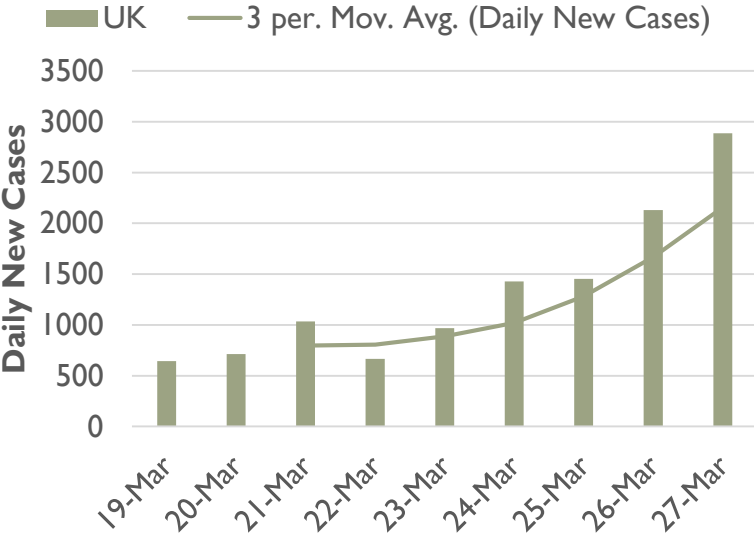
Active Cases in the United Kingdom

Active Cases

(Number of Infected People)



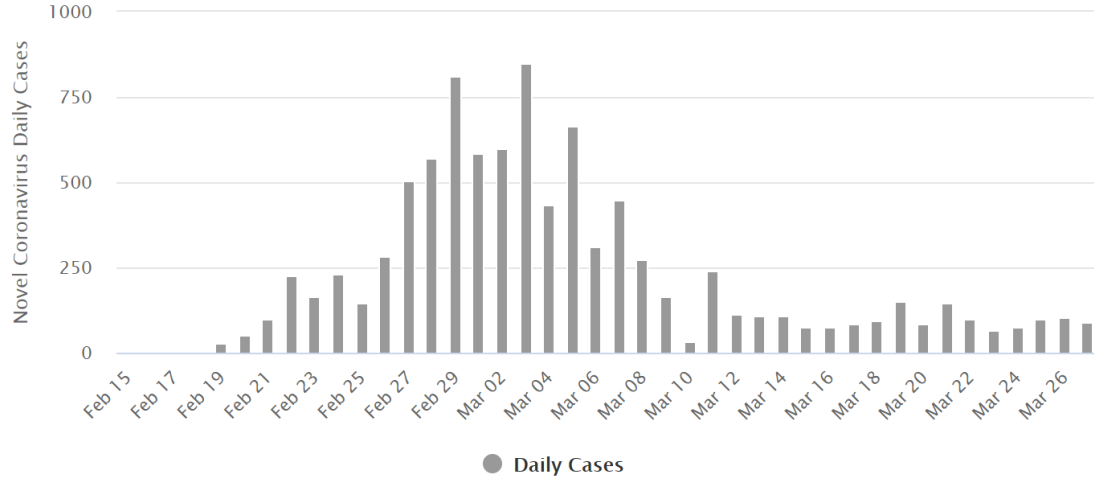
3-Day Moving Average Trendline



Daily New Cases in South Korea

Daily New Cases

Cases per Day
Data as of 0:00 GMT+0

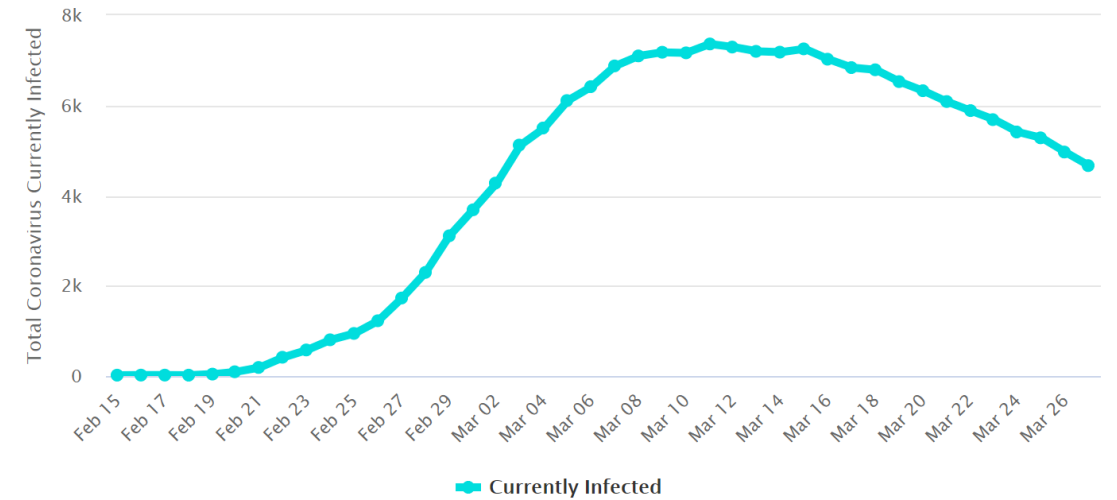


South Korea

Active Cases in South Korea

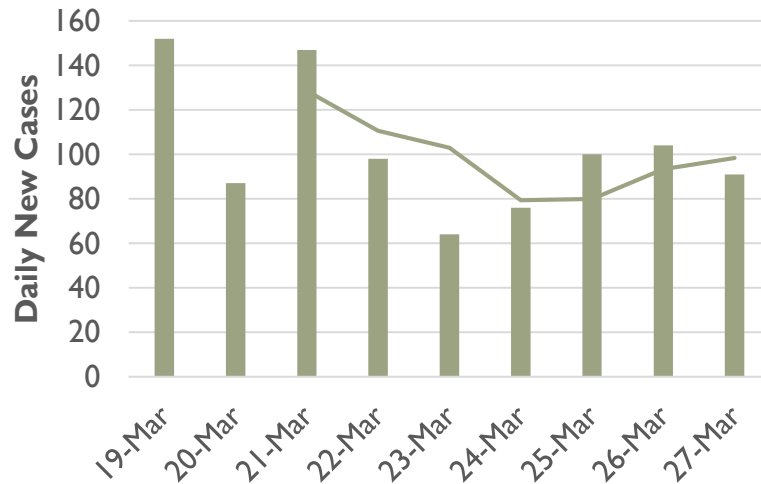
Active Cases

(Number of Infected People)

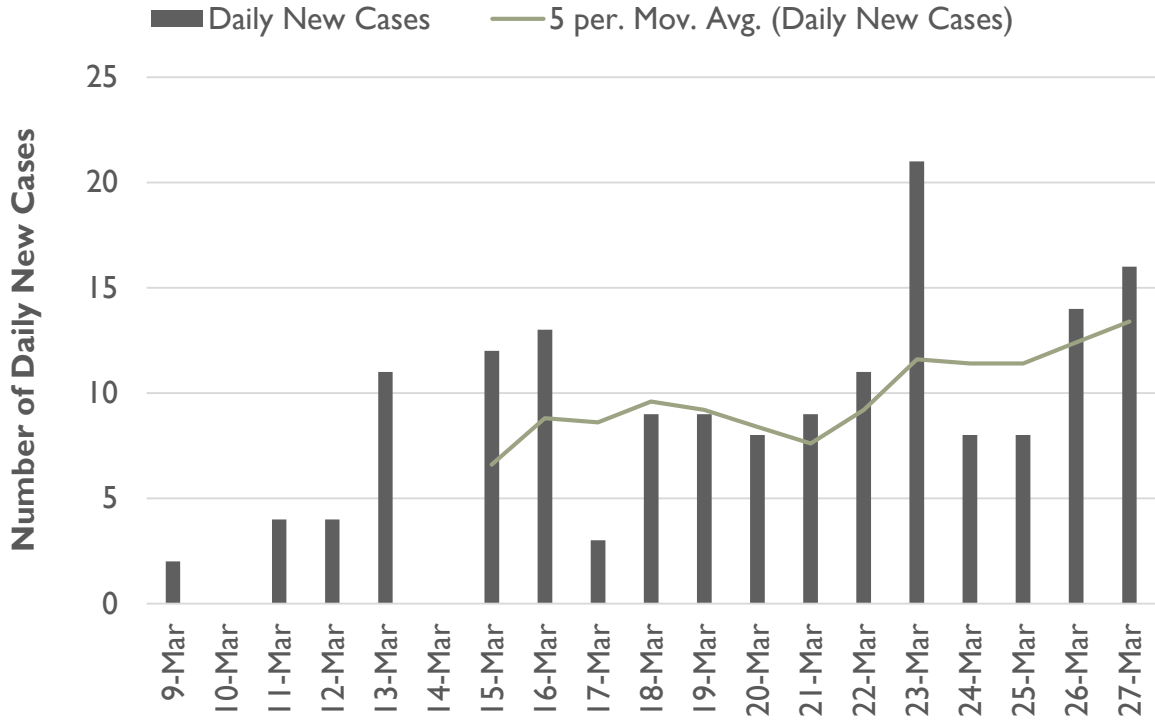


3-Day Moving Average Trendline

S Korea 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in Cyprus

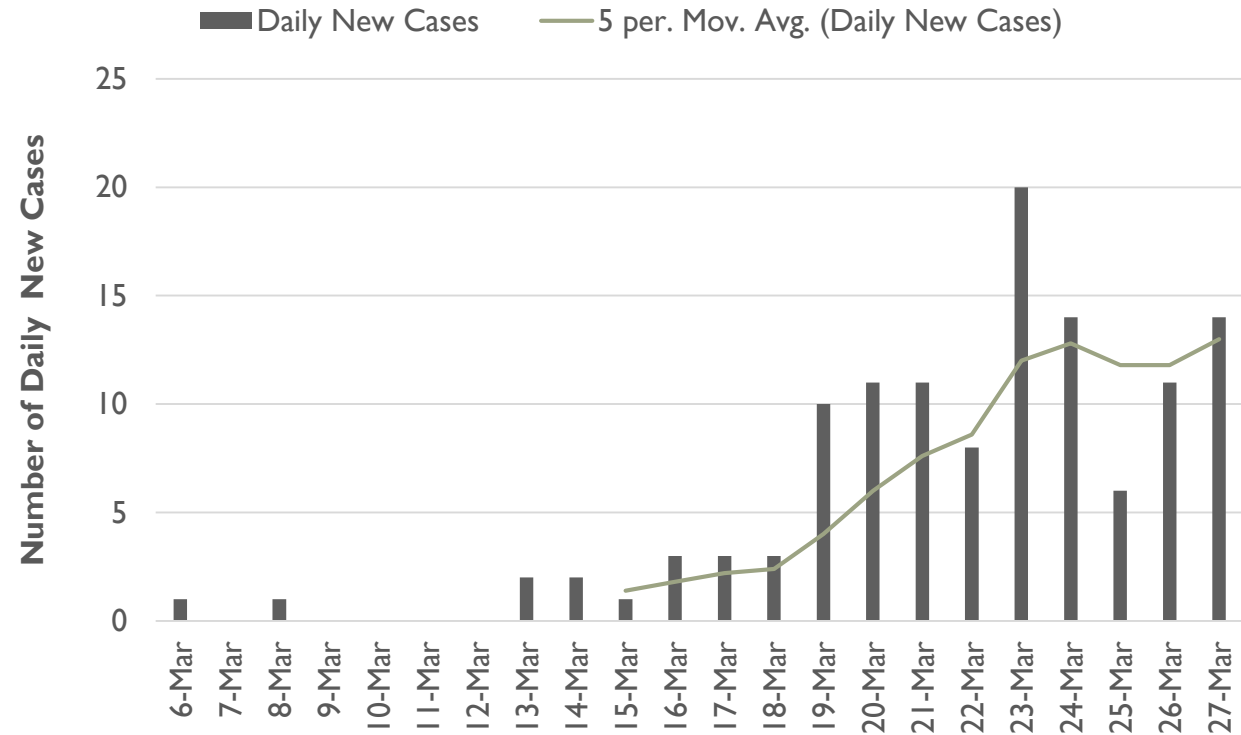


Cyprus

Correlation, r (Between Cyprus and Hawaii) = 0.746
 r is significant at $\alpha = 5\%$

Hawaii

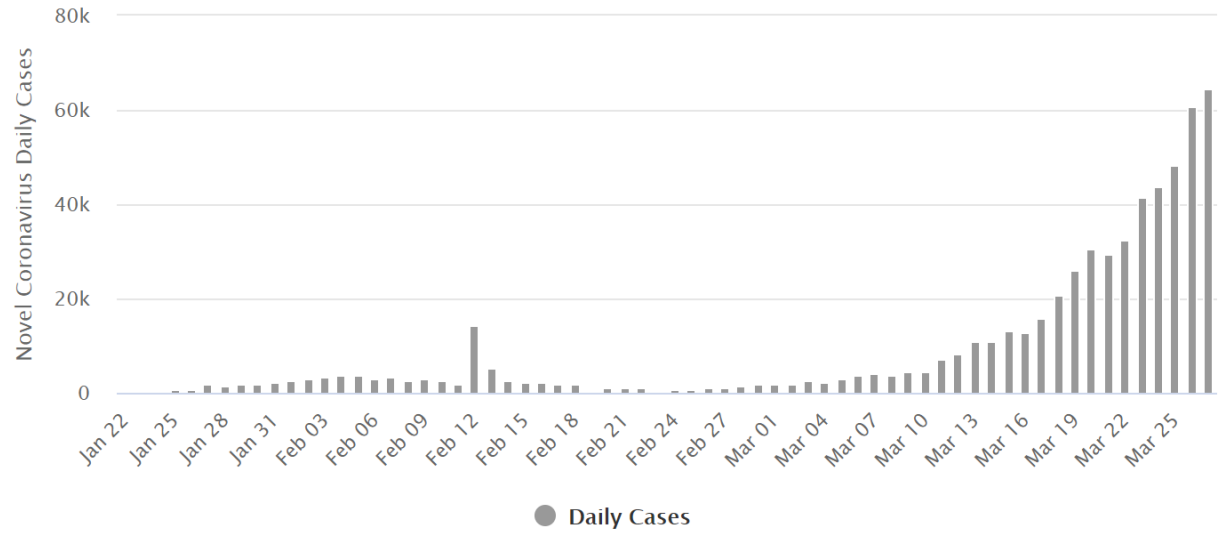
Daily New Cases in Hawaii



Worldwide

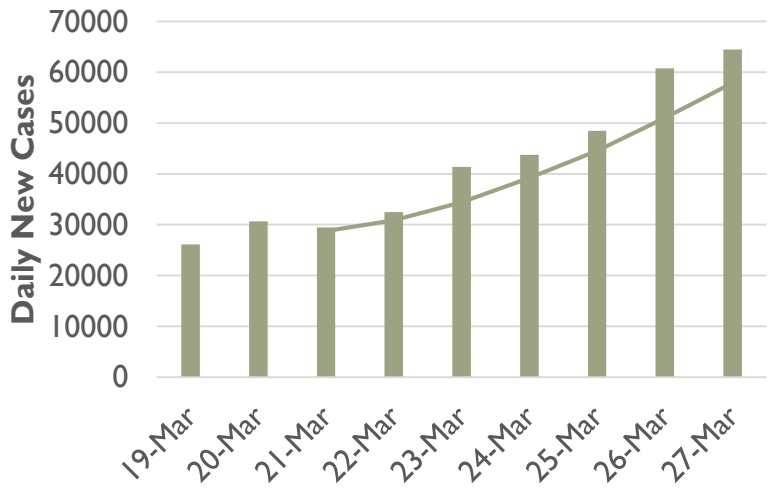
Daily New Cases

Cases per Day
Data as of 0:00 GMT+0



3-Day Moving Average Trendline

Worldwide 3 per. Mov. Avg. (Daily New Cases)



Active Cases

(Number of Infected People)

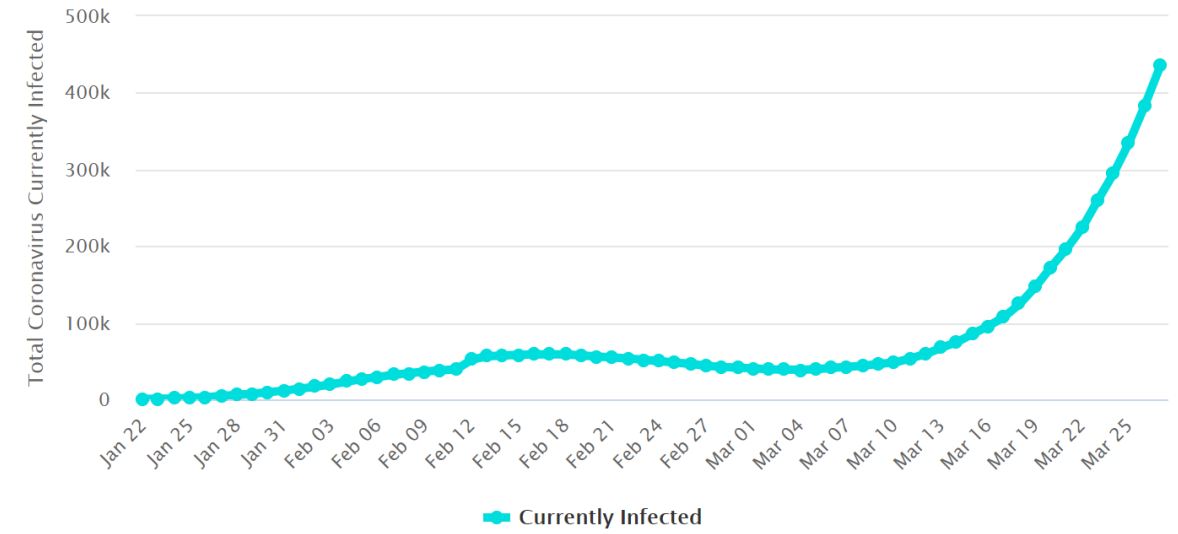


Table I

GROWTH IN NEW CASES SINCE THE DAY BEFORE										AVERAGE GROWTH OF LAST FIVE DAYS
	3/19/2020	3/20/2020	3/21/2020	3/22/2020	3/23/2020	3/24/2020	3/25/2020	3/26/2020	3/27/2020	3/23-27/2020
USA	1.591	1.235	0.862	1.936	1.089	1.091	1.204	1.290	1.085	1.152
Italy	1.265	1.125	1.095	0.848	0.861	1.096	0.993	1.191	0.953	1.019
China	1.15	1.051	1.122	0.848	2.000	0.603	1.426	0.821	0.982	1.166
Spain	1.124	1.056	1.123	0.834	1.946	1.087	1.077	1.109	0.959	1.236
Germany	1.011	1.513	0.556	0.997	1.667	0.941	1.101	1.527	1.048	1.257
France	1.325	0.869	1.142	0.844	2.462	0.638	1.196	1.339	0.971	1.321
Iran	0.878	1.183	0.781	1.064	1.373	1.249	1.252	1.083	1.225	1.236
UK	0.951	1.110	1.450	0.643	1.454	1.476	1.018	1.466	1.355	1.354
S Korea	1.634	0.572	1.690	0.667	0.653	1.188	1.316	1.040	0.875	1.014
Cyprus	1.000	0.889	1.125	1.375	1.909	0.381	1.000	1.750	1.143	1.237
Hawaii	3.333	1.100	1.000	0.727	2.500	0.700	0.429	1.833	1.273	1.347
Worldwide	1.271	1.174	0.960	1.102	1.275	1.058	1.107	1.254	1.061	1.151

Table 2**RATIO OF THE AVERAGE NEW CASES OF RECENT THREE DAYS TO
MAX DAILY PEAK**

	3/22/2020	3/23/2020	3/24/2020	3/25/2020	3/26/2020	3/27/2020
USA	0.701	0.796	0.921	0.865	0.806	0.879
Italy	0.920	0.859	0.793	0.775	0.847	0.881
China	0.003	0.004	0.004	0.005	0.004	0.004
Spain	0.908	0.710	0.798	0.927	0.913	0.954
Germany	0.703	0.678	0.782	0.917	0.750	0.860
France	0.900	0.629	0.681	0.800	0.790	0.906
Iran	0.789	0.804	0.795	0.813	0.887	0.857
UK	0.777	0.859	0.715	0.883	0.784	0.747
S Korea	0.130	0.121	0.093	0.094	0.110	0.116
Cyprus	0.718	0.651	0.635	0.587	0.476	0.603
Hawaii	0.909	0.650	0.700	0.667	0.517	0.517
Worldwide	0.950	0.832	0.896	0.919	0.839	0.898

Table 3**AVERAGE GROWTH IN NEW CASES OF THE RECENT THREE DAYS TO
3/19/2020**

	3/22/2020	3/23/2020	3/24/2020	3/25/2020	3/26/2020	3/27/2020
USA	1.454	1.790	2.251	2.547	3.066	3.625
Italy	1.134	1.059	0.977	0.955	1.044	1.085
China	1.077	1.393	1.402	1.641	1.444	1.504
Spain	1.077	1.367	1.669	2.091	2.282	2.384
Germany	1.064	1.026	1.184	1.387	1.657	1.991
France	0.900	1.298	1.405	1.651	1.666	1.909
Iran	1.030	1.085	1.339	1.714	2.026	2.397
UK	1.251	1.383	1.586	1.994	2.596	3.352
S Korea	0.728	0.678	0.522	0.526	0.614	0.647
Cyprus	1.037	1.519	1.481	1.370	1.111	1.407
Hawaii	1.000	1.300	1.400	1.333	1.033	1.033
Worldwide	1.182	1.318	1.501	1.706	1.953	2.218