

COVID-19 CASES

AS OF MONDAY 3/30/2020, 6:00PM HST

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

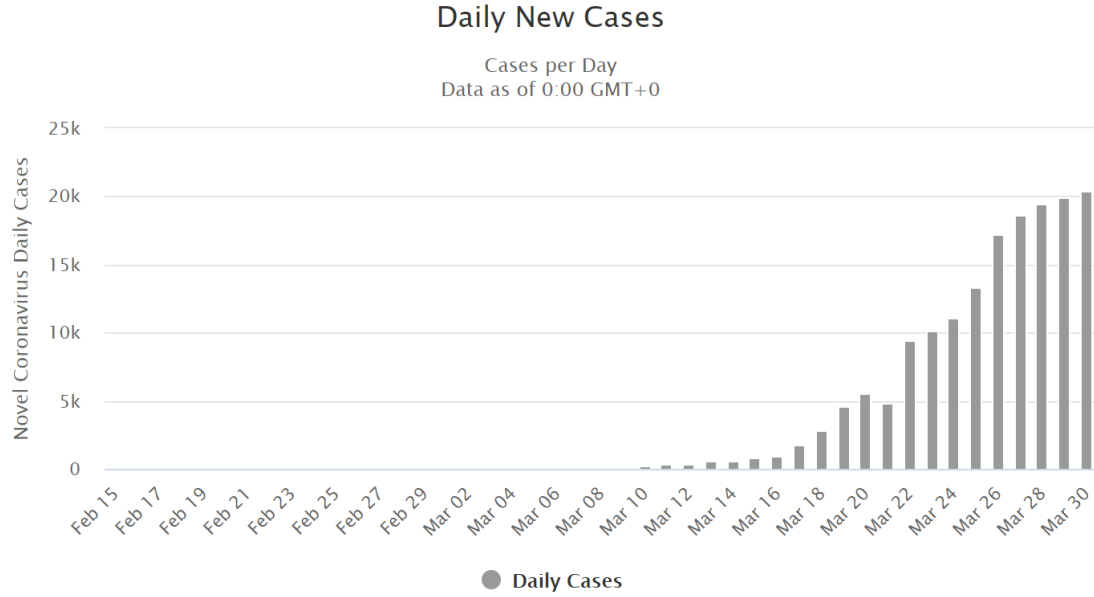
Source: <https://www.worldometers.info/coronavirus/>

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

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

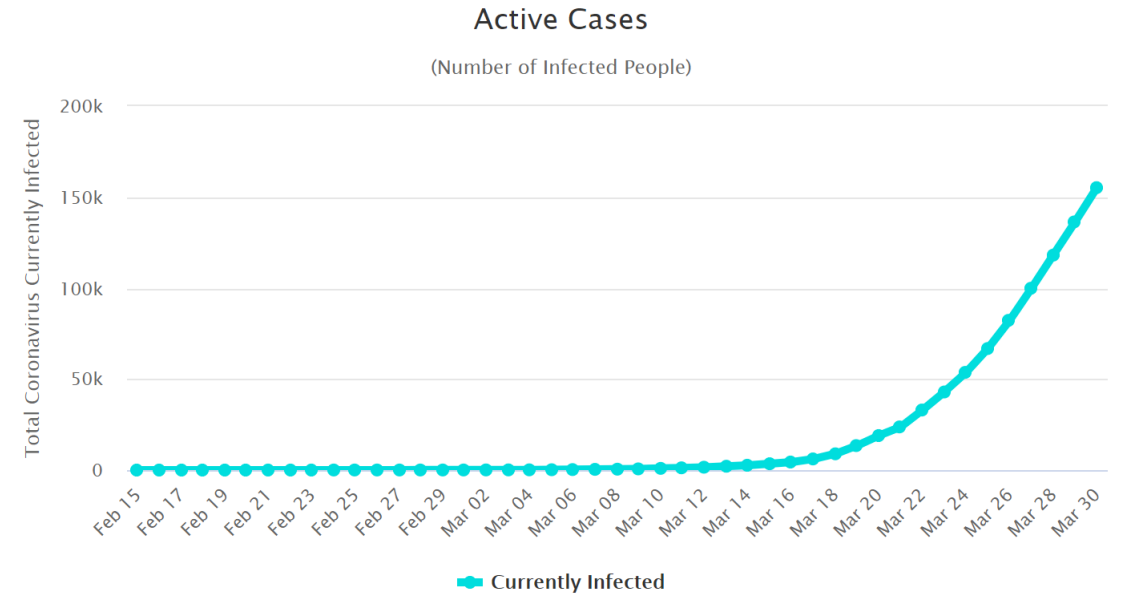
Source: <https://health.hawaii.gov/news/covid-19-updates/>

Daily New Cases in the United States

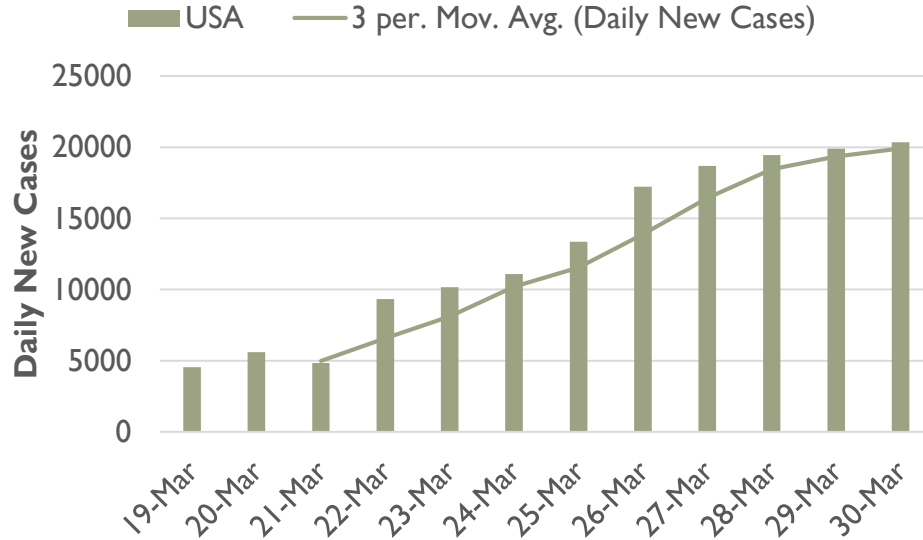


I. USA

Active Cases in the United States



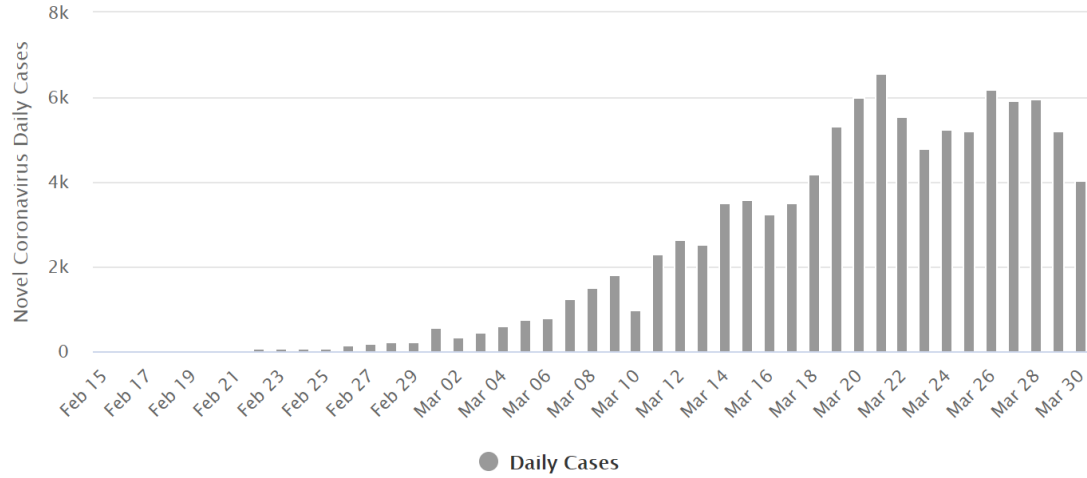
3-Day Moving Average Trendline



Daily New Cases in Italy

Daily New Cases

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

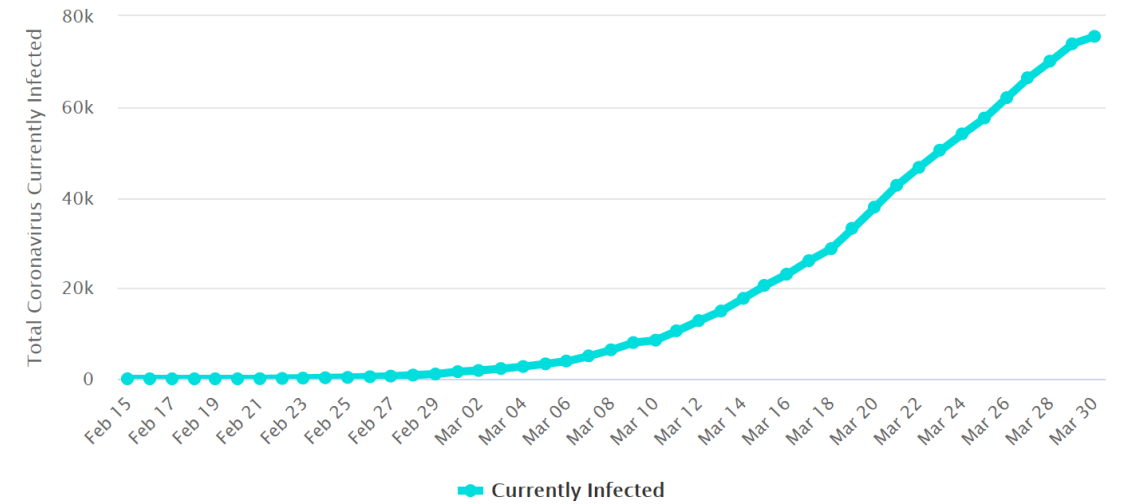


2. Italy

Active Cases in Italy

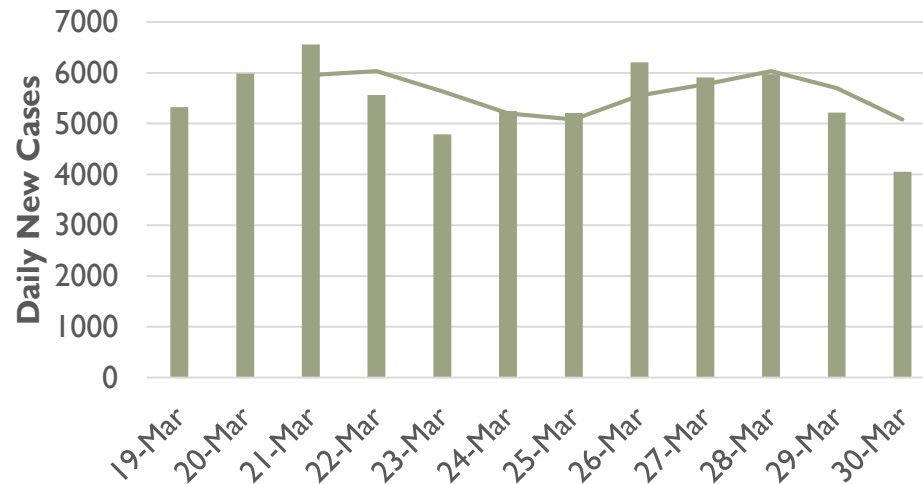
Active Cases

(Number of Infected People)



3-Day Moving Average Trendline

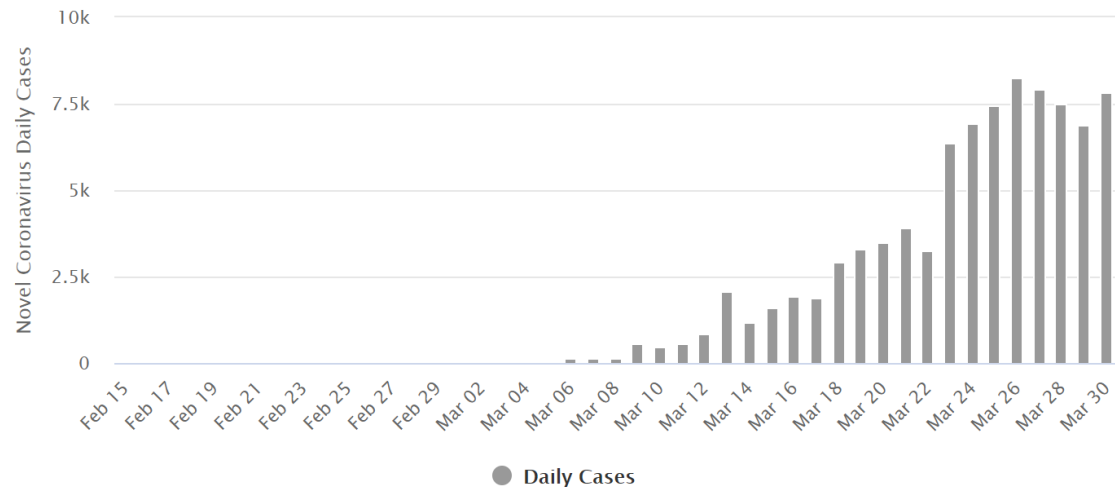
Italy 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in Spain

Daily New Cases

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

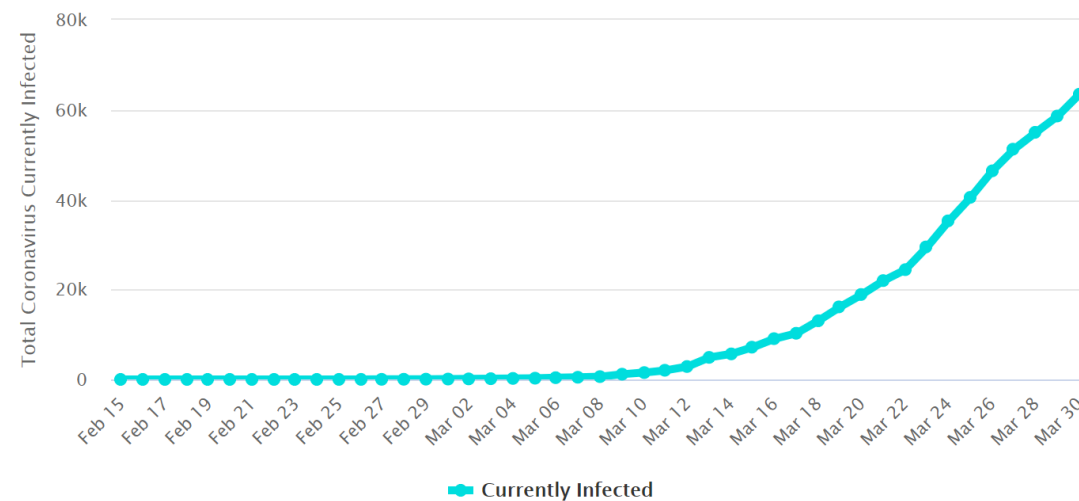


3. Spain

Active Cases in Spain

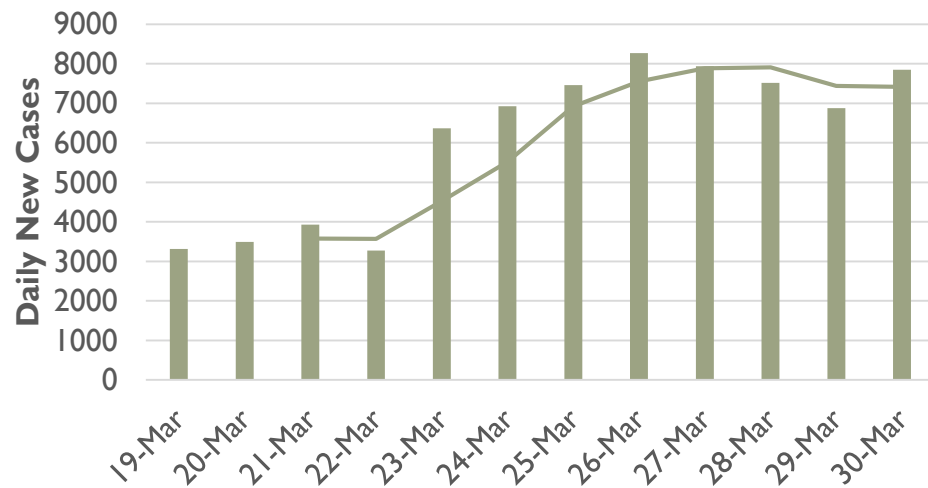
Active Cases

(Number of Infected People)

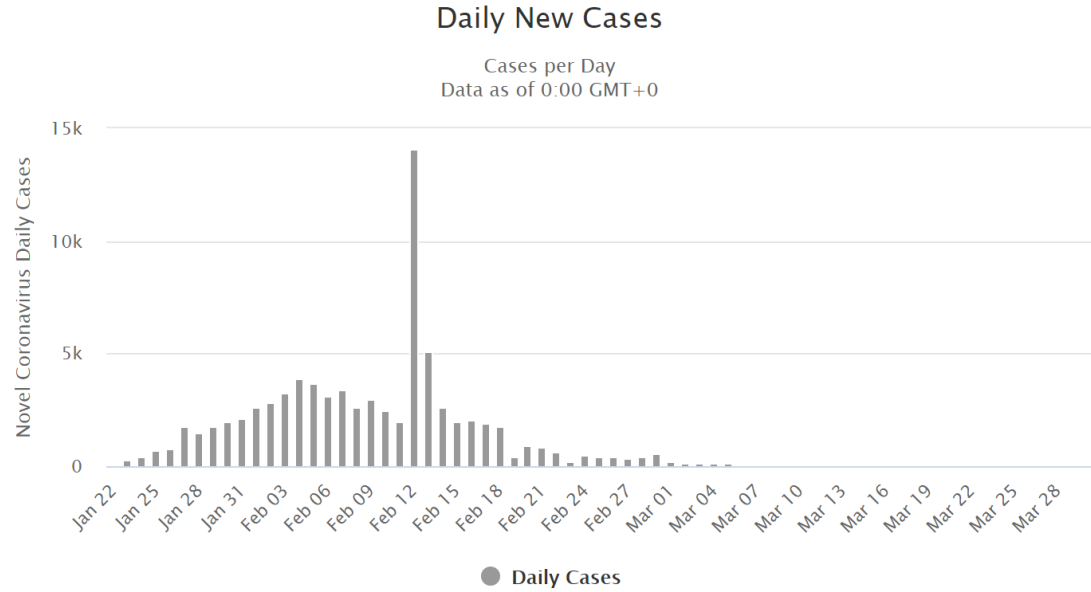


3-Day Moving Average Trendline

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

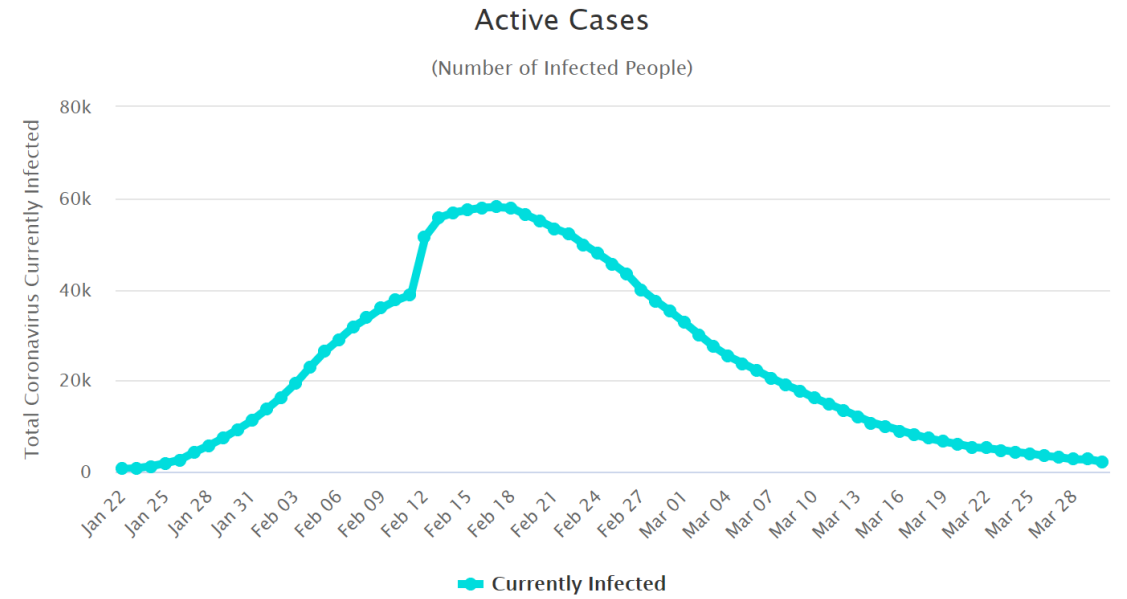


Daily New Cases in China

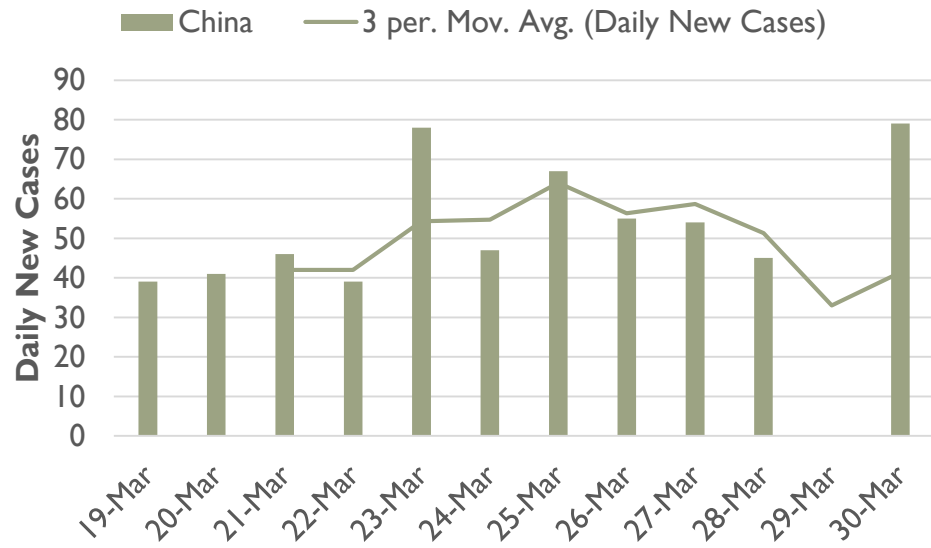


4. China

Active Cases in China



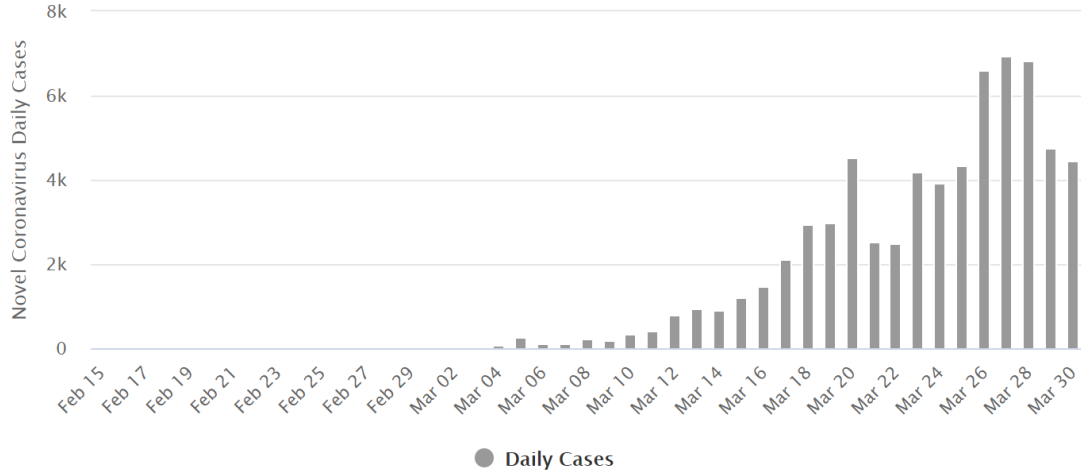
3-Day Moving Average Trendline



Daily New Cases in Germany

Daily New Cases

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

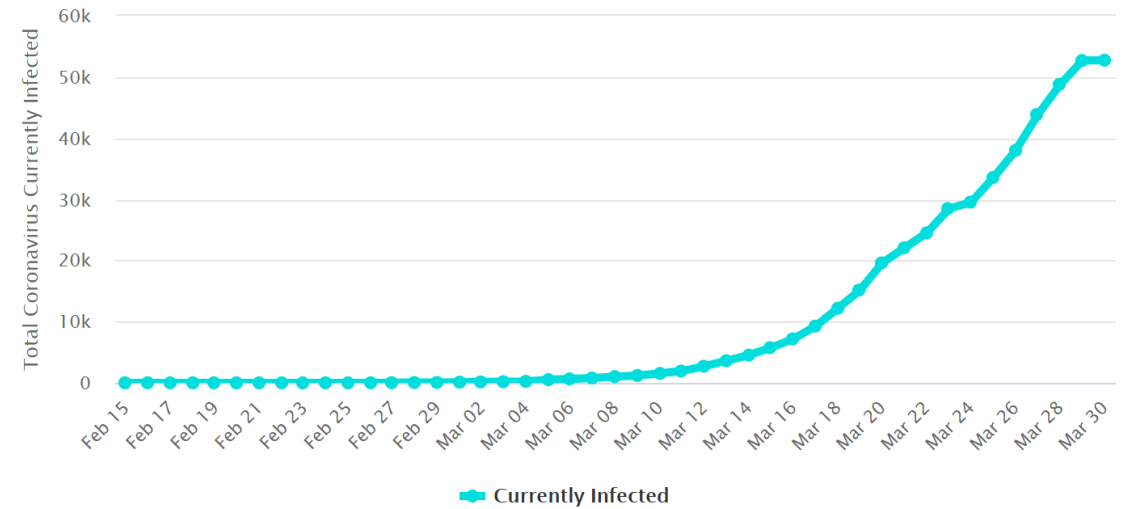


5. Germany

Active Cases in Germany

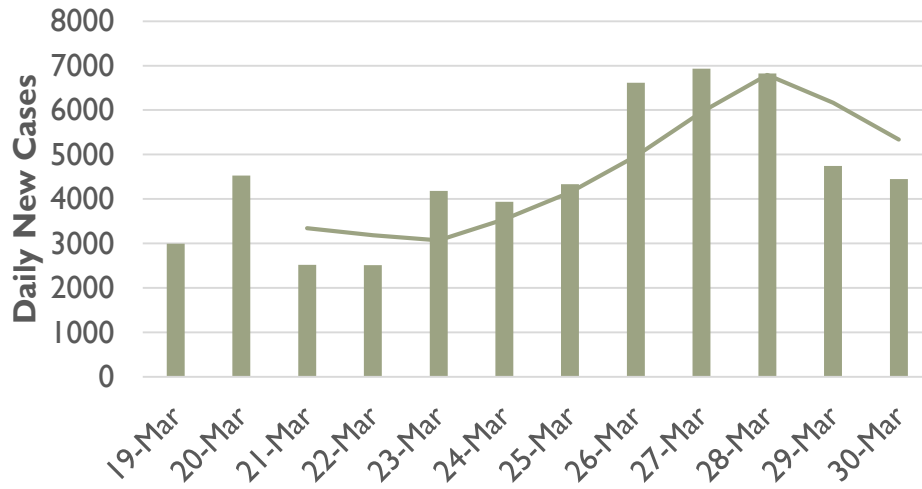
Active Cases

(Number of Infected People)



3-Day Moving Average Trendline

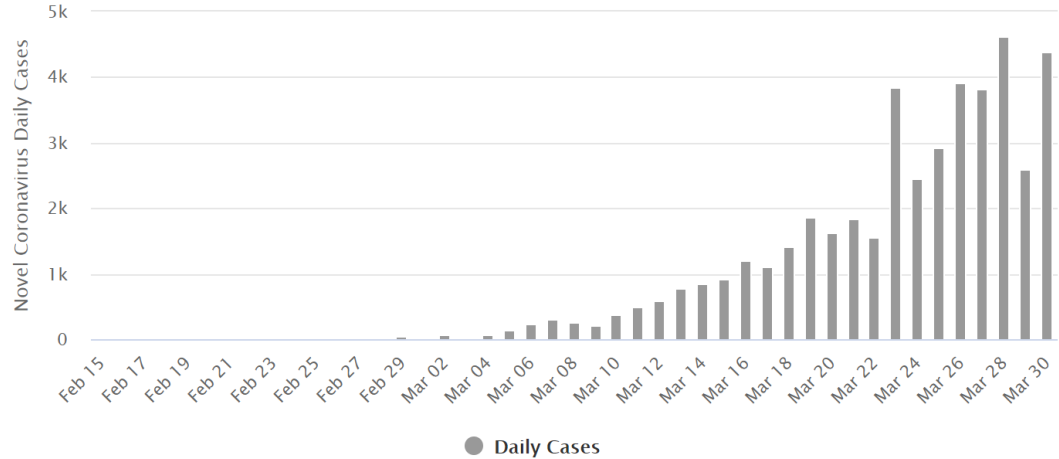
Germany 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in France

Daily New Cases

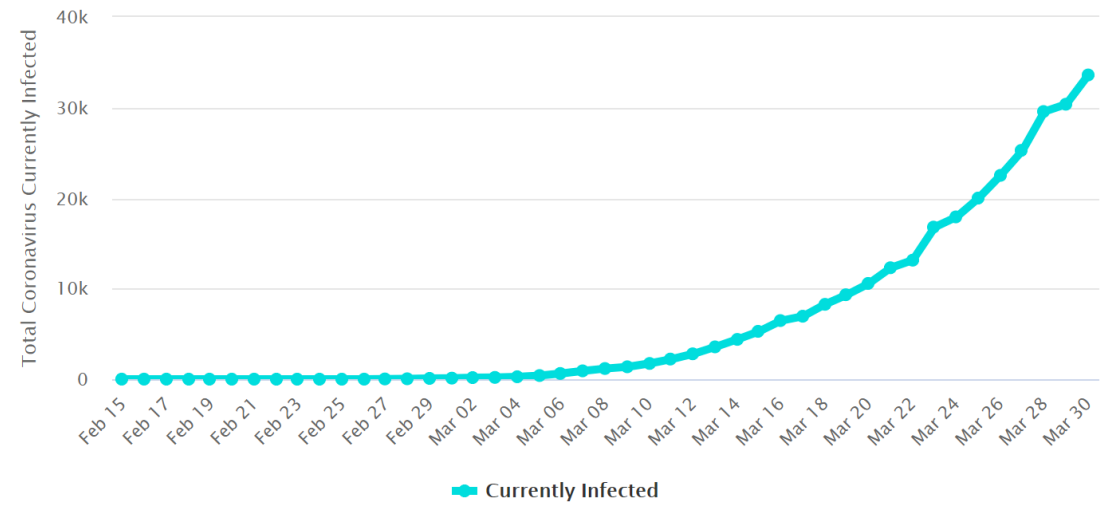
Cases per Day
Data as of 0:00 GMT+0



6. France

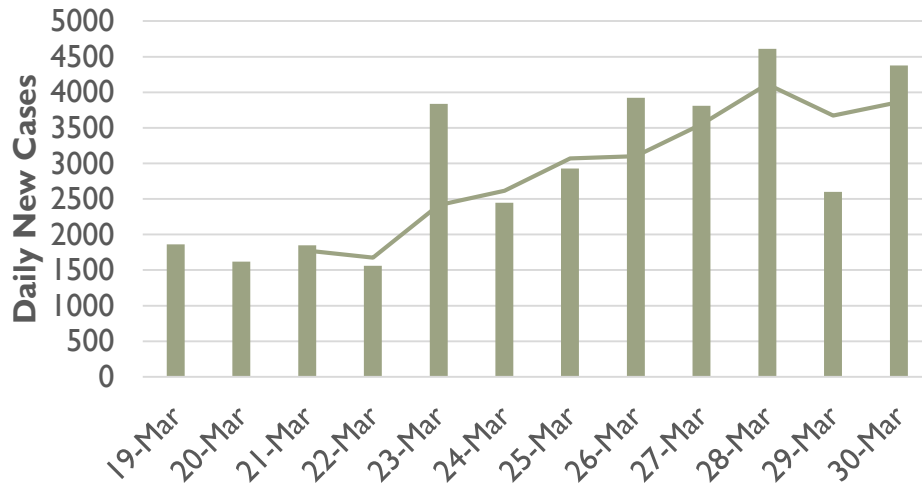
Active Cases in France

Active Cases
(Number of Infected People)



3-Day Moving Average Trendline

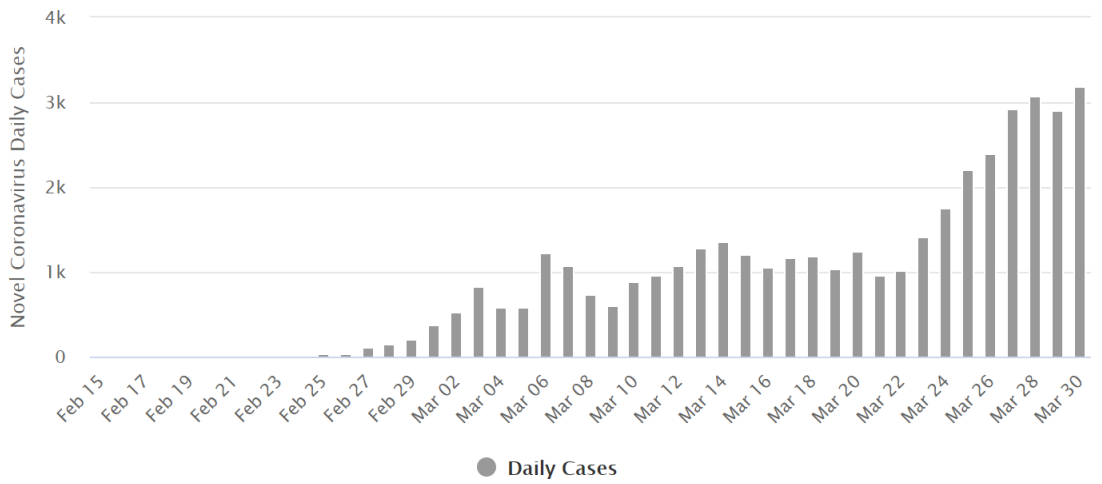
France 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in Iran

Daily New Cases

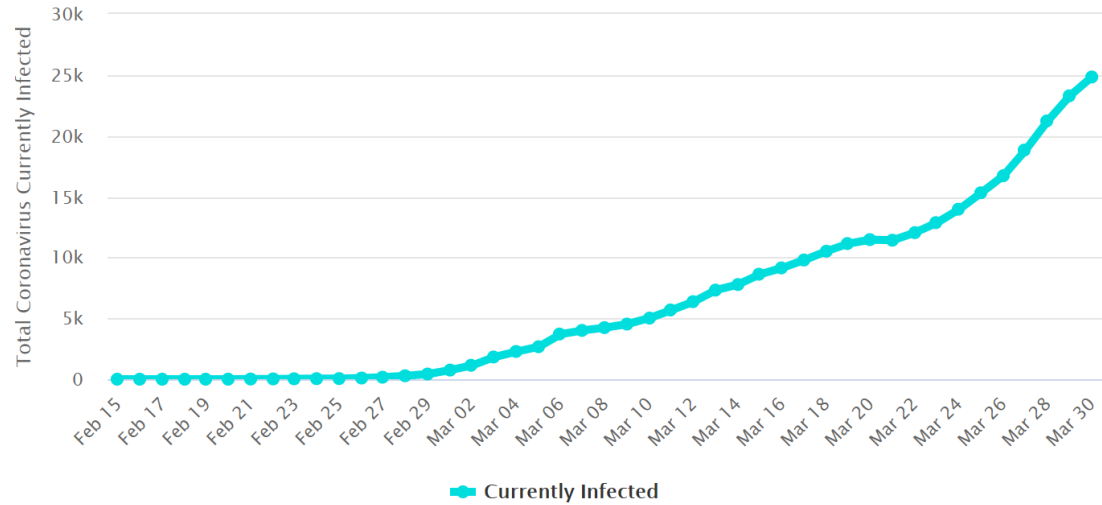
Cases per Day
Data as of 0:00 GMT+0



7. Iran

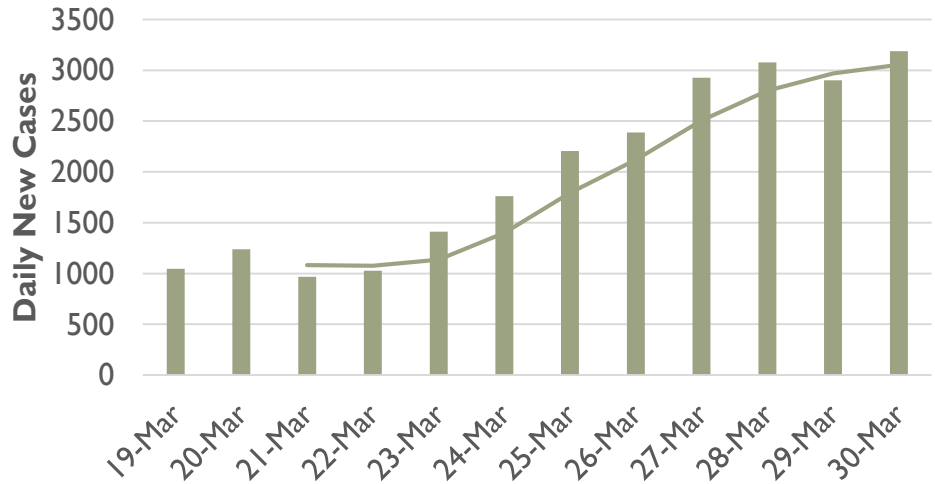
Active Cases in Iran

Active Cases
(Number of Infected People)

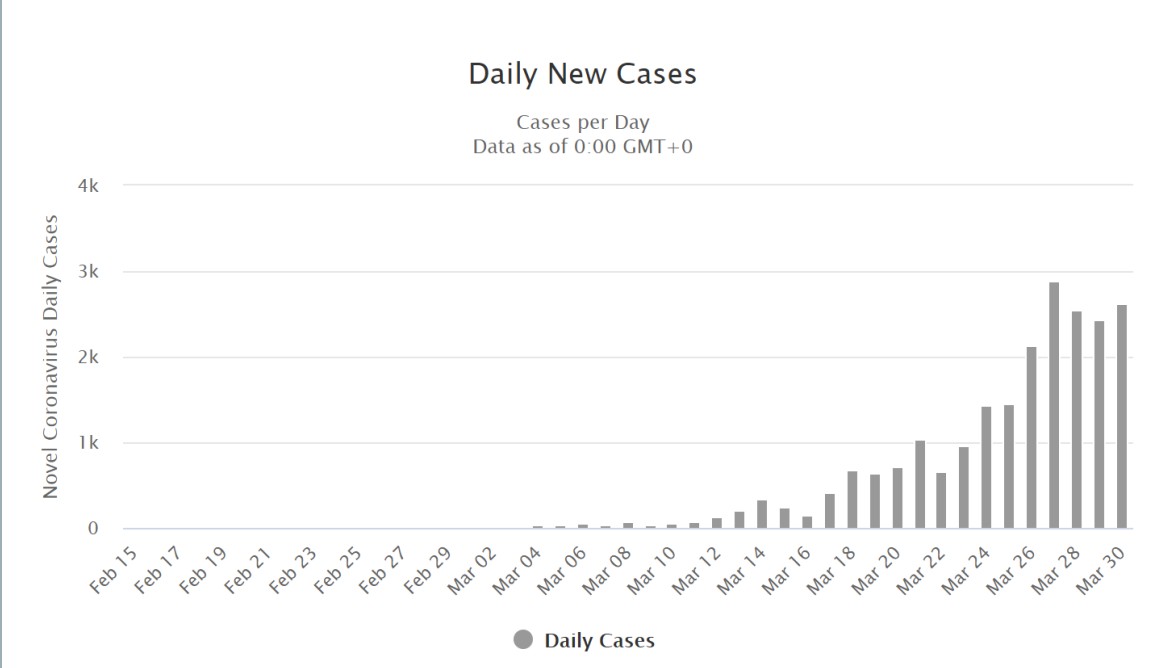


3-Day Moving Average Trendline

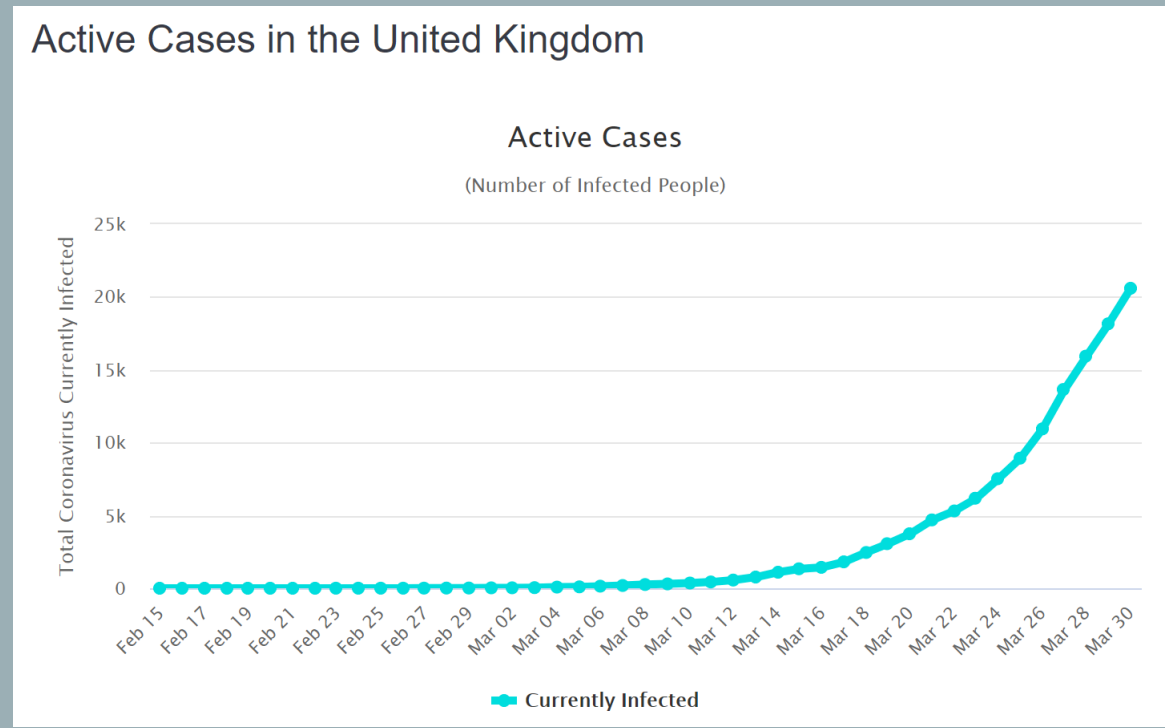
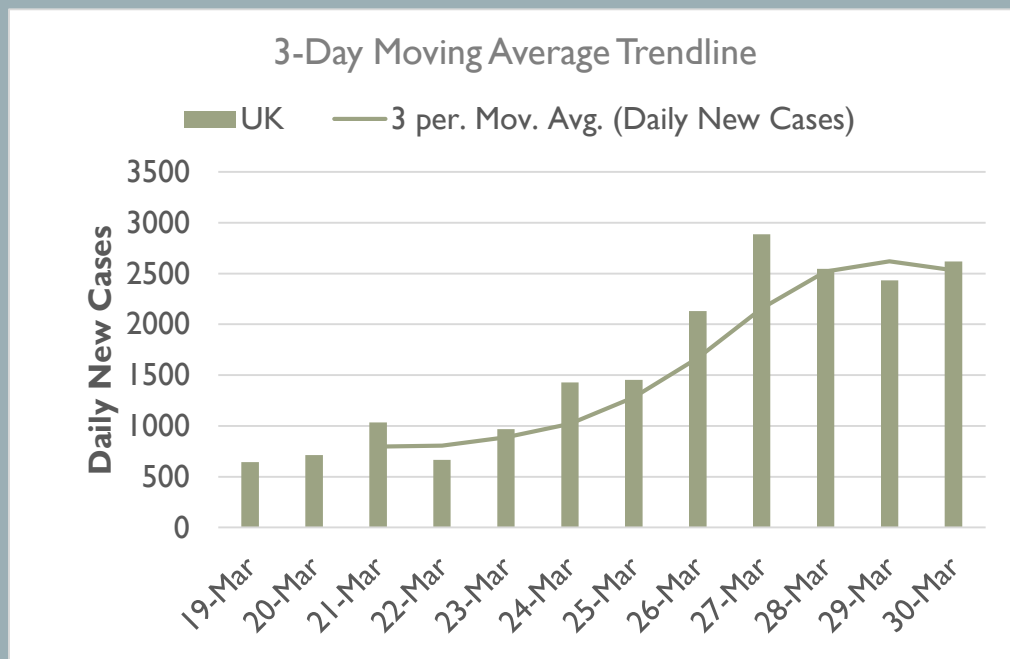
Iran 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in the United Kingdom



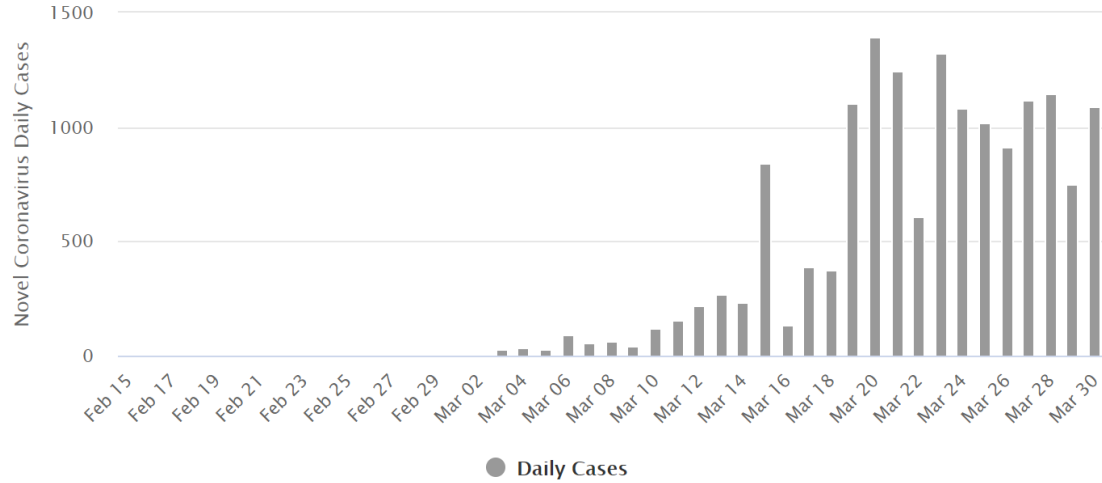
8. UK



Daily New Cases in Switzerland

Daily New Cases

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

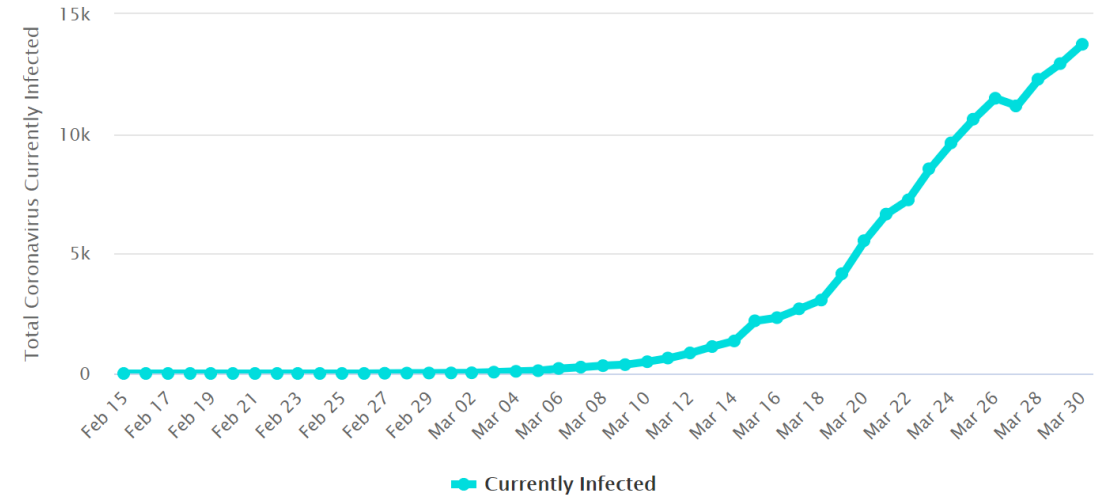


9. Switzerland

Active Cases in Switzerland

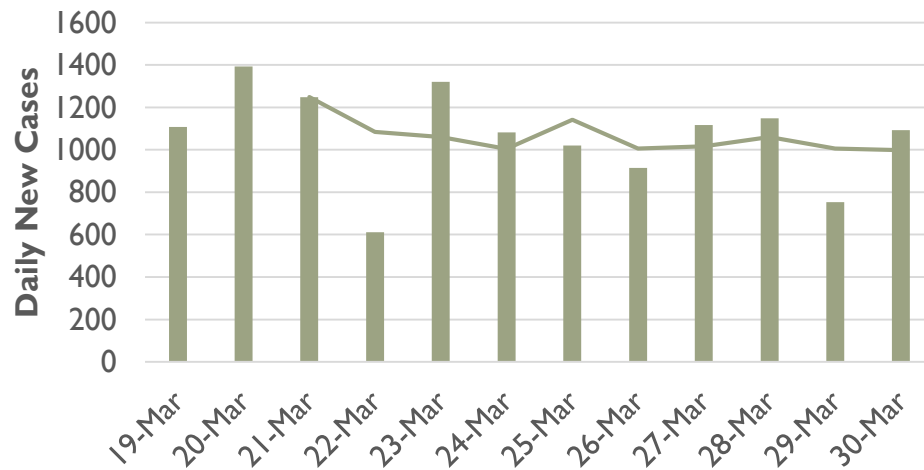
Active Cases

(Number of Infected People)



3-Day Moving Average Trendline

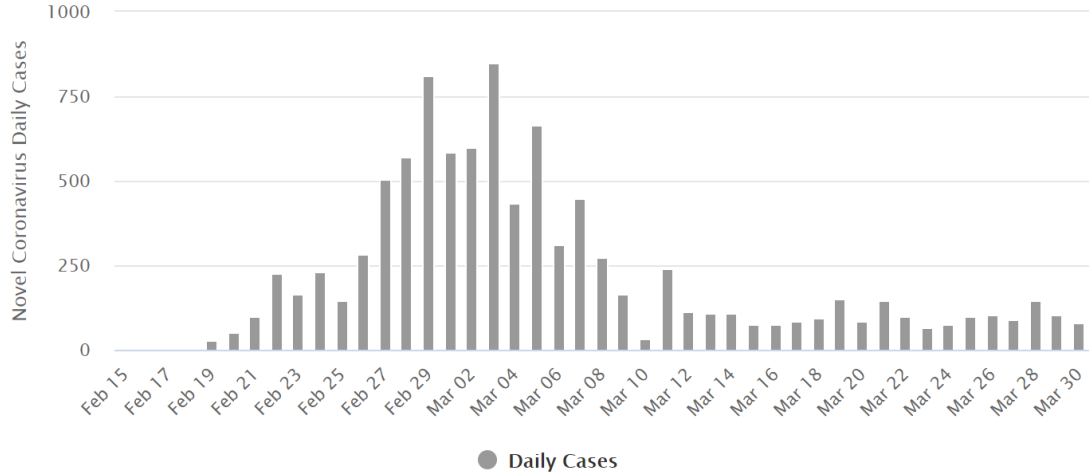
Switzerland 3 per. Mov. Avg. (Daily New Cases)



Daily New Cases in South Korea

Daily New Cases

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

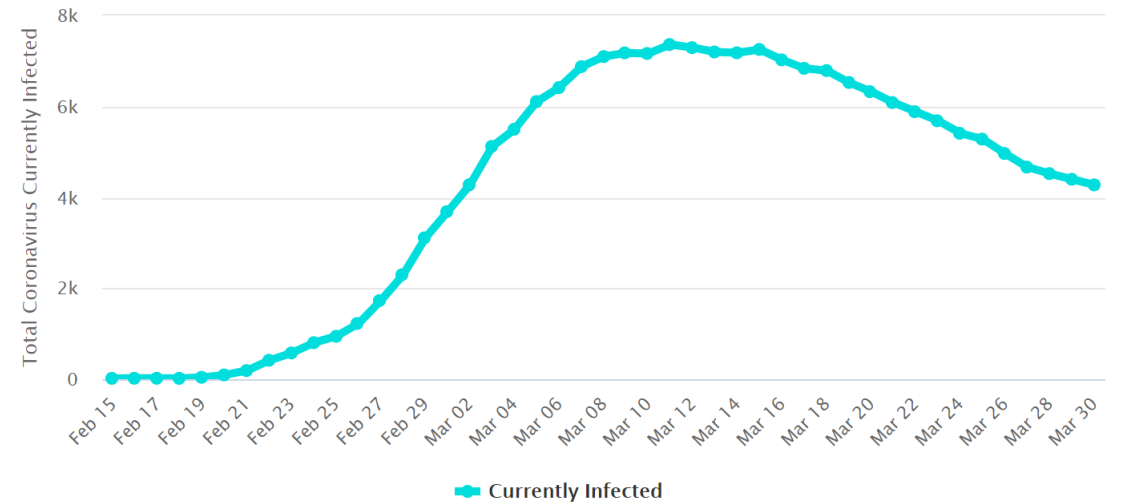


South Korea

Active Cases in South Korea

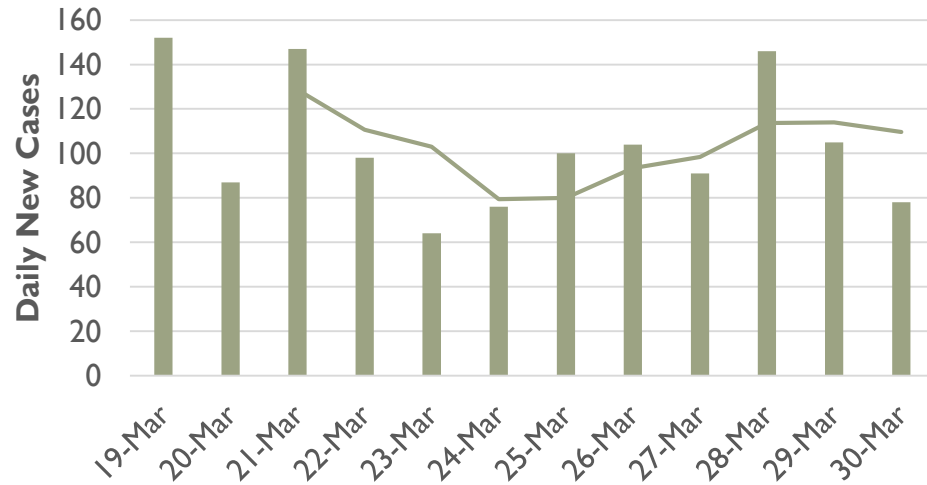
Active Cases

(Number of Infected People)

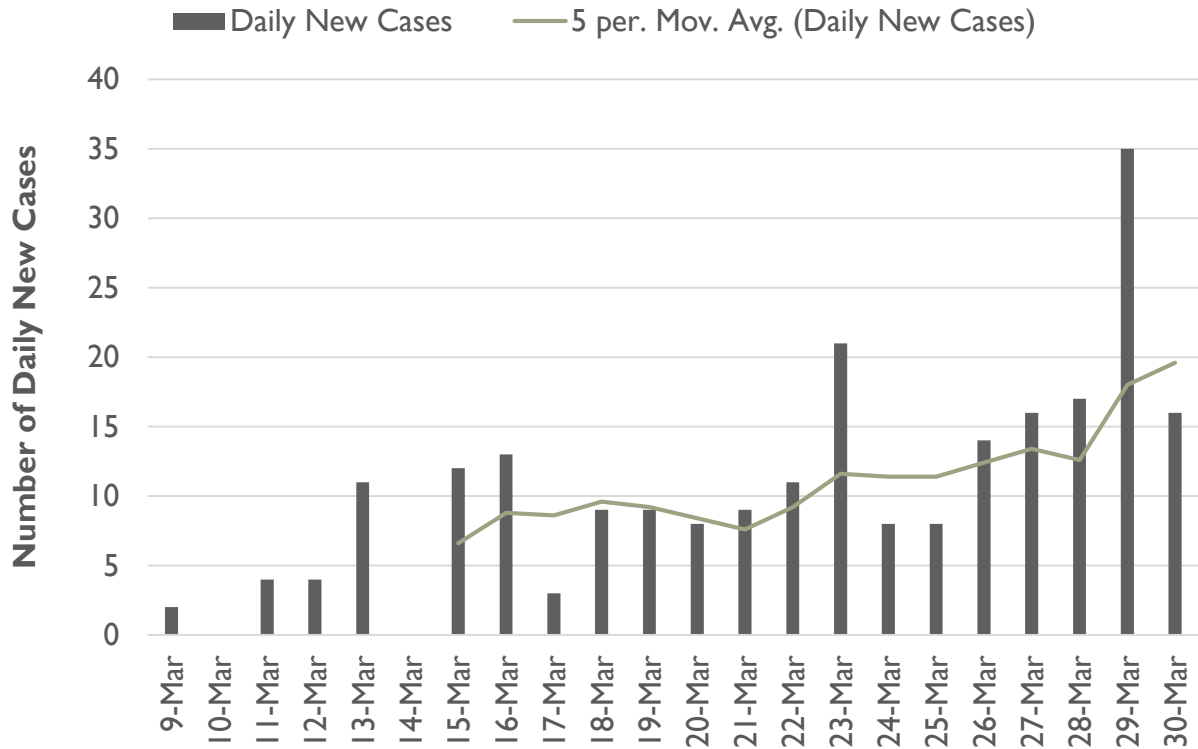


3-Day Moving Average Trendline

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



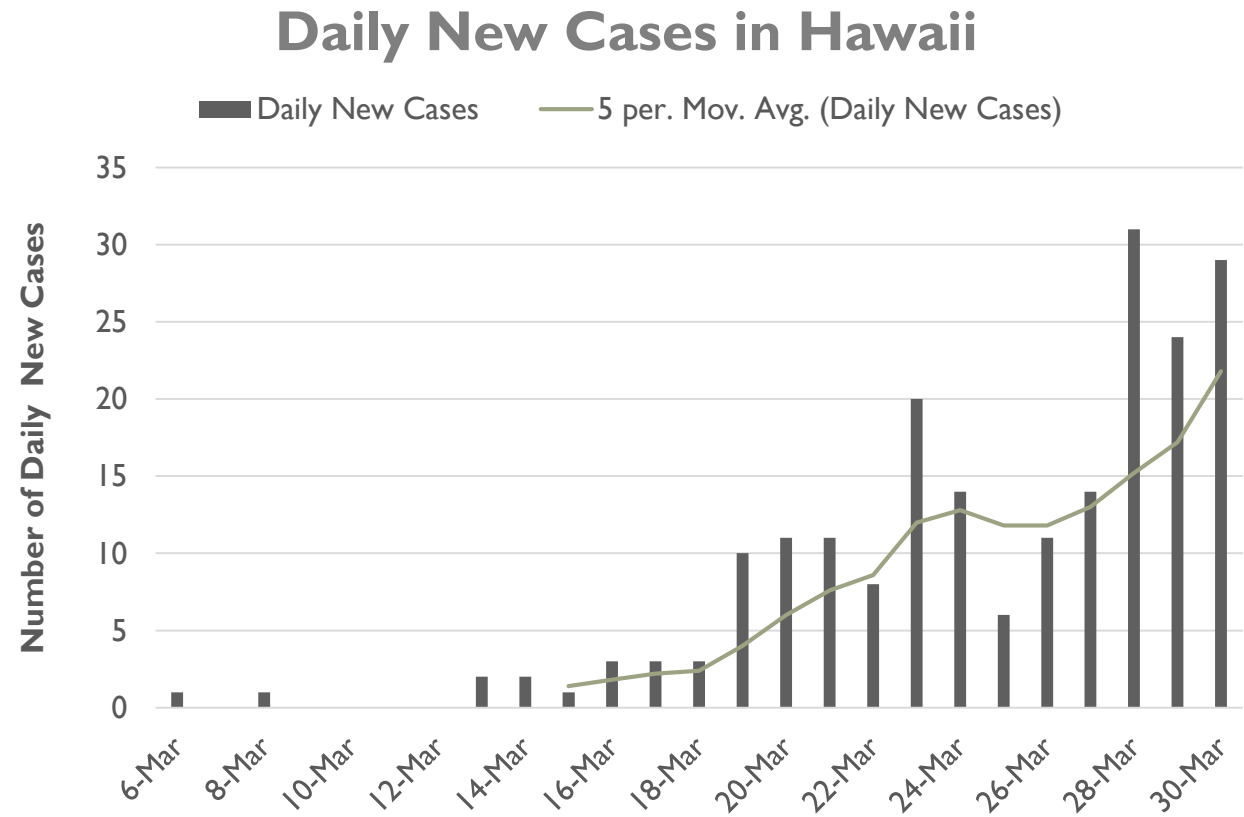
Daily New Cases in Cyprus



Cyprus

Correlation, r (Between Cyprus and Hawaii) = 0.624
 r is significant at $\alpha = 5\%$

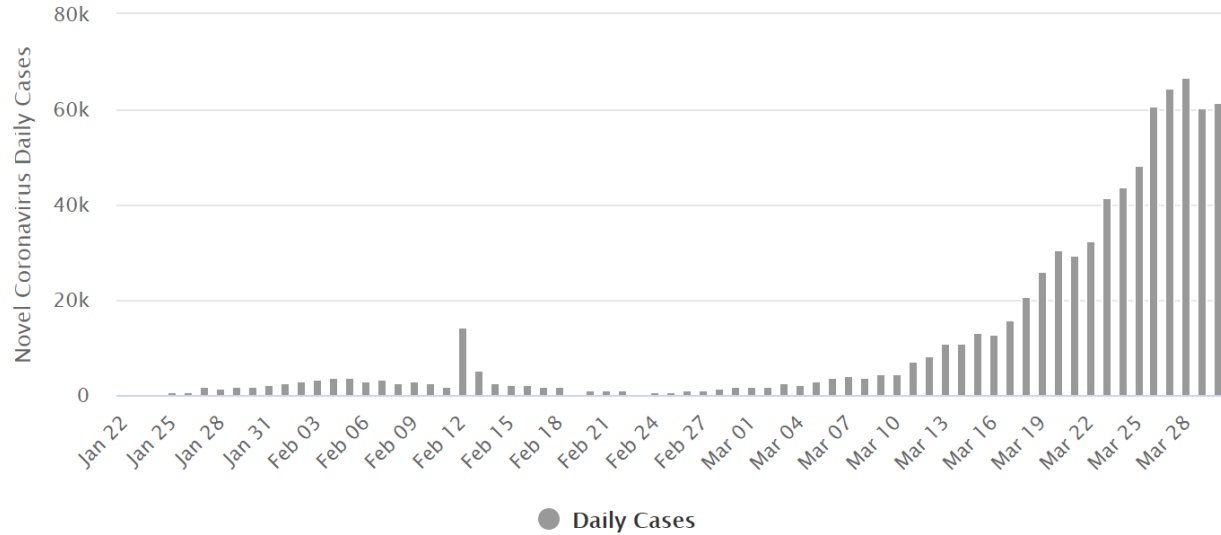
Hawaii



Worldwide

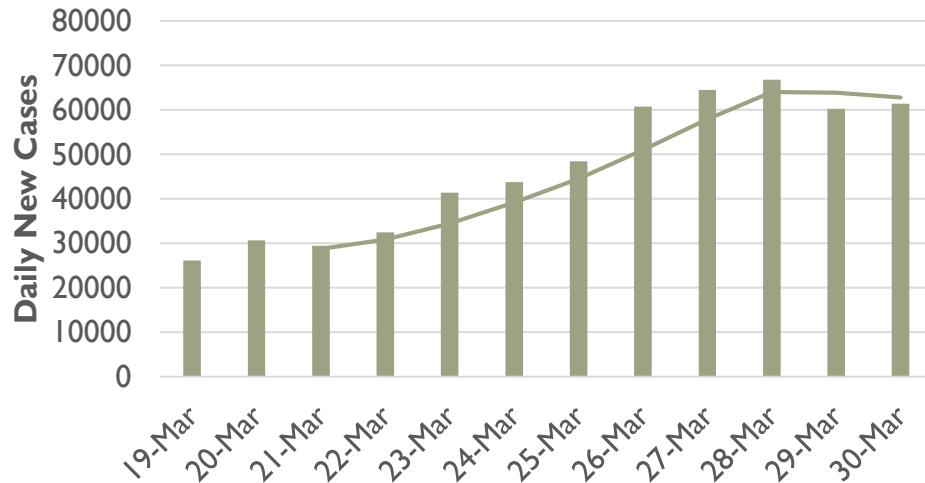
Daily New Cases

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)

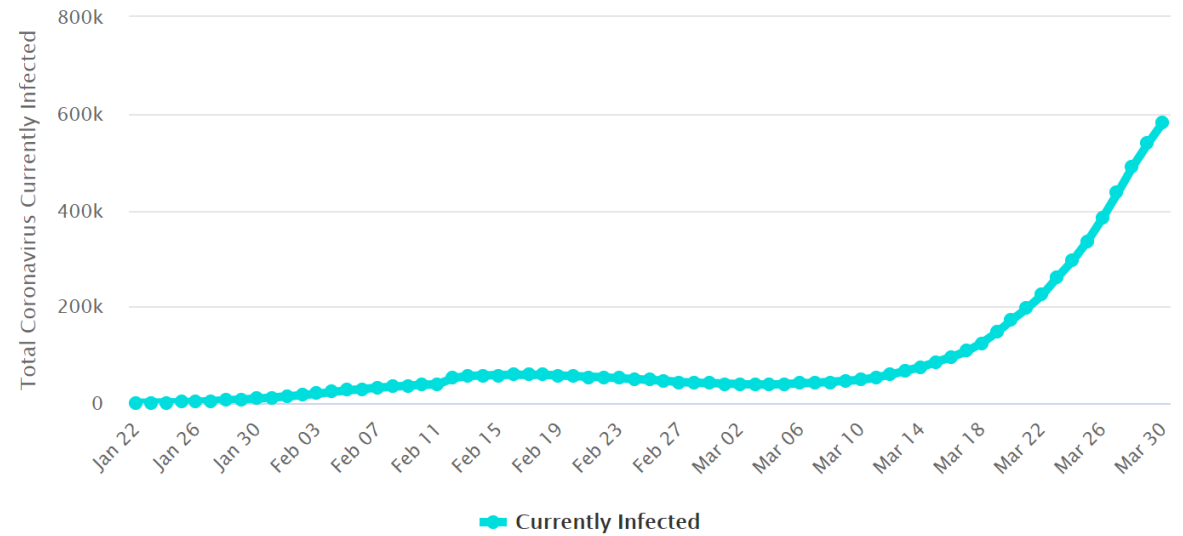


Table I

GROWTH IN NEW CASES SINCE THE DAY BEFORE													AVERAGE GROWTH OF LAST FIVE DAYS			
	3/19/20	3/20/20	3/21/20	3/22/20	3/23/20	3/24/20	3/25/20	3/26/20	3/27/20	3/28/20	3/29/20	3/30/20	3/23-27/20	3/24-28/20	3/25-29/20	3/26-30/20
USA	1.591	1.235	0.862	1.936	1.089	1.091	1.204	1.290	1.085	1.041	1.024	1.022	1.152	1.142	1.129	1.092
Italy	1.265	1.125	1.095	0.848	0.861	1.096	0.993	1.191	0.953	1.011	0.873	0.776	1.019	1.049	1.004	0.961
Spain	1.124	1.056	1.123	0.834	1.946	1.087	1.077	1.109	0.959	0.947	0.915	1.141	1.236	1.036	1.002	1.014
China	1.15	1.051	1.122	0.848	2.000	0.603	1.426	0.821	0.982	0.833	0.000	---	1.166	0.933	0.812	0.659
Germany	1.011	1.513	0.556	0.997	1.667	0.941	1.101	1.527	1.048	0.984	0.695	0.939	1.257	1.120	1.071	1.039
France	1.325	0.869	1.142	0.844	2.462	0.638	1.196	1.339	0.971	1.211	0.564	1.684	1.321	1.071	1.056	1.154
Iran	0.878	1.183	0.781	1.064	1.373	1.249	1.252	1.083	1.225	1.051	0.943	1.098	1.236	1.172	1.111	1.080
UK	0.951	1.110	1.450	0.643	1.454	1.476	1.018	1.466	1.355	0.882	0.956	1.076	1.354	1.239	1.135	1.147
Switzerland	2.968	1.258	0.896	0.490	2.162	0.819	0.943	0.896	1.222	1.028	0.656	1.452	1.208	0.982	0.949	1.051
S Korea	1.634	0.572	1.690	0.667	0.653	1.188	1.316	1.040	0.875	1.604	0.719	0.743	1.014	1.205	1.111	0.996
Cyprus	1.000	0.889	1.125	1.375	1.909	0.381	1.000	1.750	1.143	1.063	2.059	0.457	1.237	1.067	1.403	1.294
Hawaii	3.333	1.100	1.000	0.727	2.500	0.700	0.429	1.833	1.273	2.214	0.774	1.208	1.347	1.290	1.305	1.461
Worldwide	1.271	1.174	0.960	1.102	1.275	1.058	1.107	1.254	1.061	1.035	0.903	1.019	1.151	1.103	1.072	1.054

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	3/28/2020	3/29/2020	3/30/2020
USA	0.701	0.796	0.921	0.865	0.806	0.879	0.949	0.972	0.978
Italy	0.920	0.859	0.793	0.775	0.847	0.881	0.919	0.869	0.775
Spain	0.908	0.710	0.798	0.927	0.913	0.954	0.956	0.900	0.896
China	0.003	0.004	0.004	0.005	0.004	0.004	0.004	0.002	0.003
Germany	0.703	0.678	0.782	0.917	0.750	0.860	0.979	0.889	0.770
France	0.900	0.629	0.681	0.800	0.790	0.906	0.892	0.797	0.838
Iran	0.789	0.804	0.795	0.813	0.887	0.857	0.909	0.965	0.959
UK	0.777	0.859	0.715	0.883	0.784	0.747	0.873	0.909	0.878
Switzerland	0.778	0.761	0.721	0.819	0.722	0.730	0.761	0.722	0.716
S Korea	0.130	0.121	0.093	0.094	0.110	0.116	0.134	0.134	0.129
Cyprus	0.718	0.651	0.635	0.587	0.476	0.603	0.746	0.648	0.648
Hawaii	0.909	0.650	0.700	0.667	0.517	0.517	0.602	0.742	0.903
Worldwide	0.950	0.832	0.896	0.919	0.839	0.898	0.959	0.956	0.941