COVID-19 CASES

AS OF SUNDAY 4/5/2020, 6:00PM HST

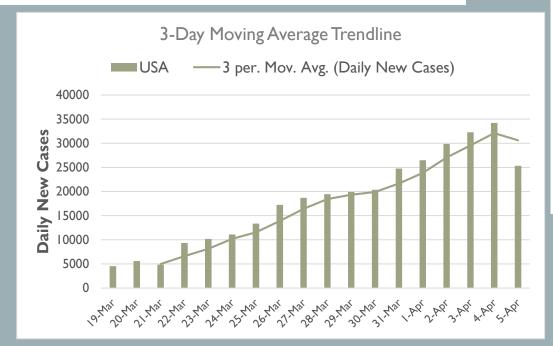
Statistics regarding daily new cases and active cases of the nine countries that has the highest number of total cases, South Korea, and Australia.

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

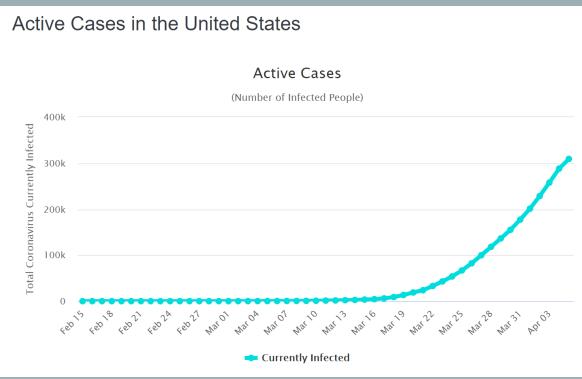
Statistics regarding daily new cases are also included for Cyprus and Hawaii.

Source: https://www.financialmirror.com/category/cyprus/
Source: https://health.hawaii.gov/news/covid-19-updates/

Daily New Cases in the United States **Daily New Cases** Cases per Day Data as of 0:00 GMT+0 40k Novel Coronavirus Daily Cases Daily Cases



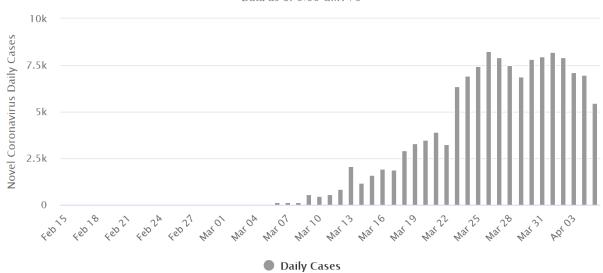
I. USA



Daily New Cases in Spain

Daily New Cases

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

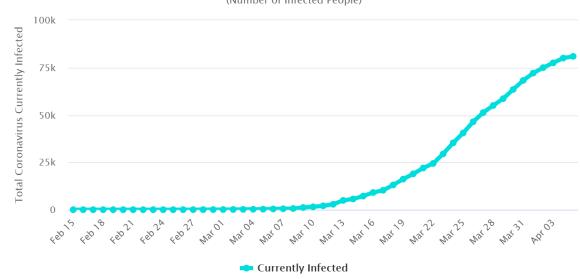


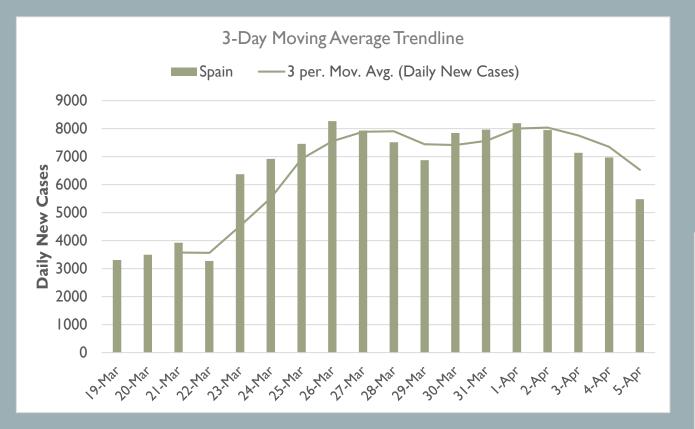
2. Spain



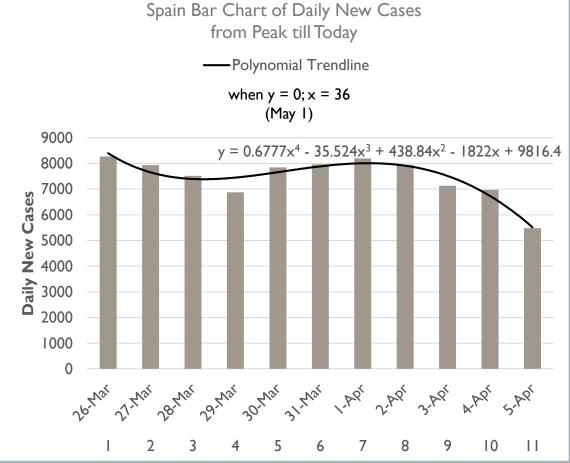


(Number of Infected People)





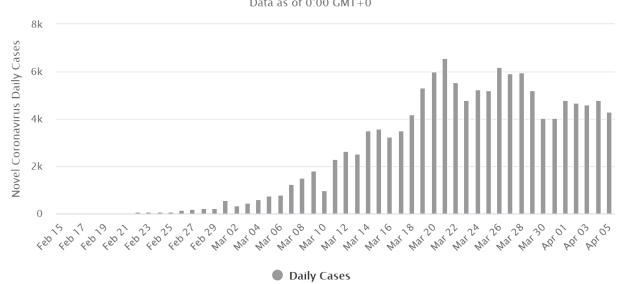
Trendlines for Spain



Daily New Cases in Italy

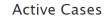
Daily New Cases

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

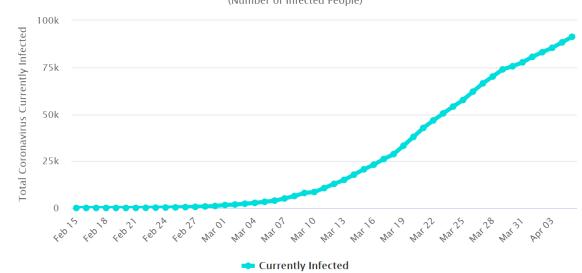


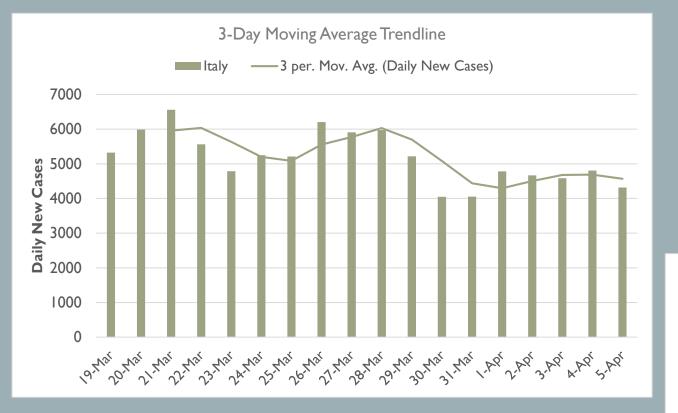
3. Italy



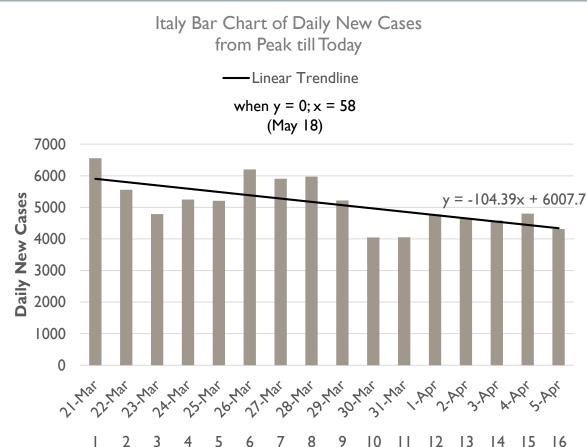


(Number of Infected People)





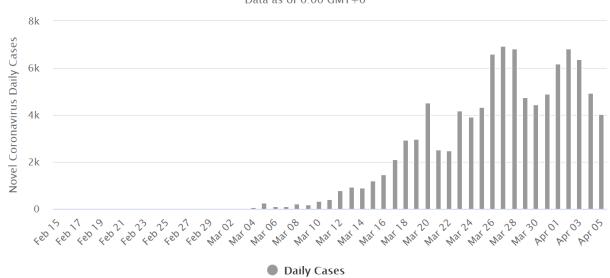
Trendlines for Italy



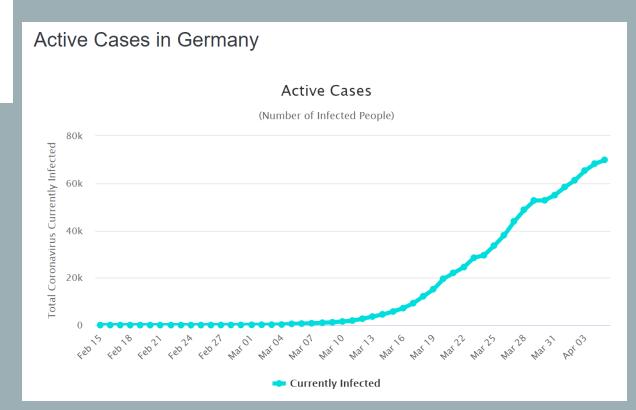
Daily New Cases in Germany

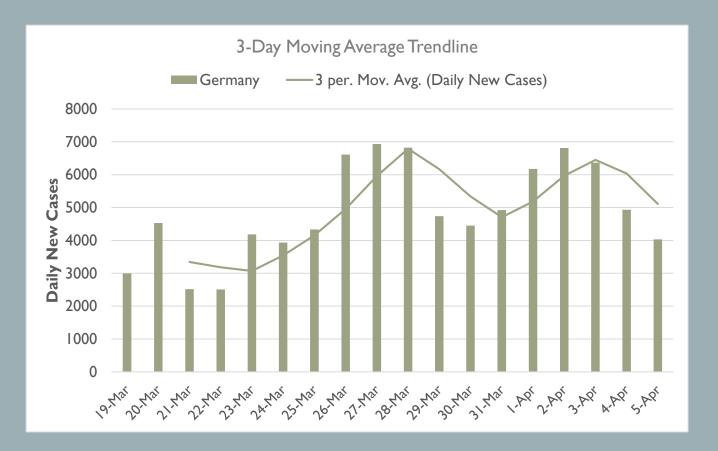
Daily New Cases

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

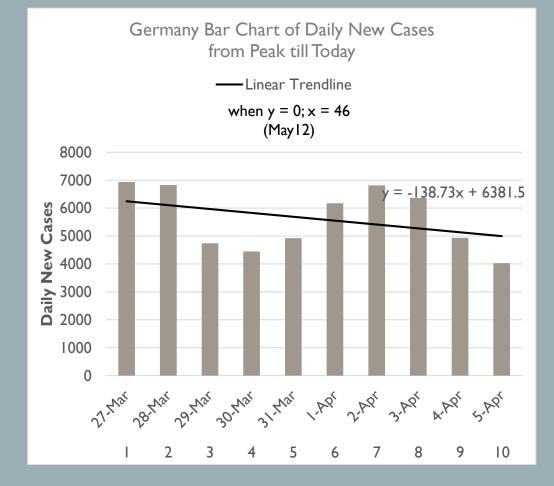


4. Germany

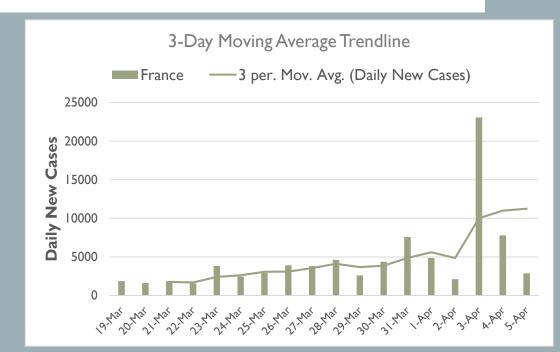




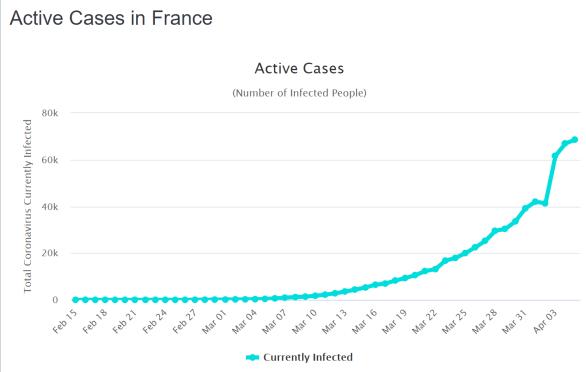
Trendlines for Germany



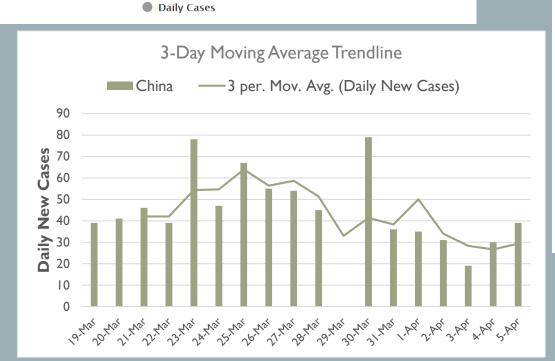
Daily Cases



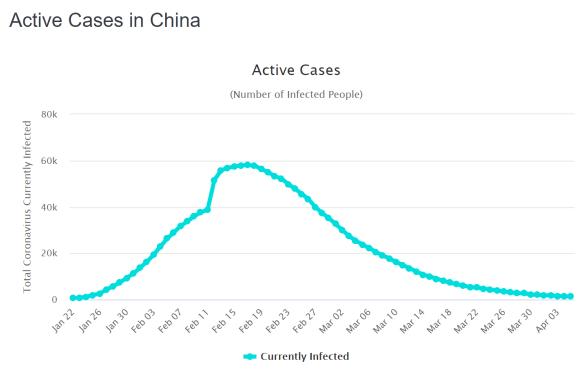
5. France



Daily New Cases Daily New Cases Cases per Day Data as of 0:000 GMT+0 10k 5k 0 Arrange Paragonal Para



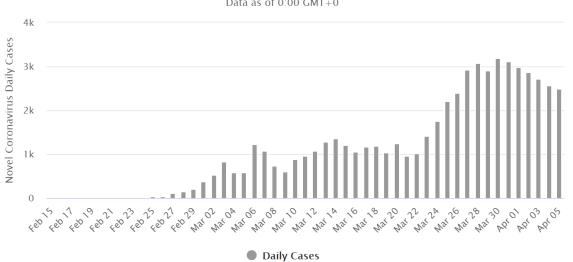
6. China

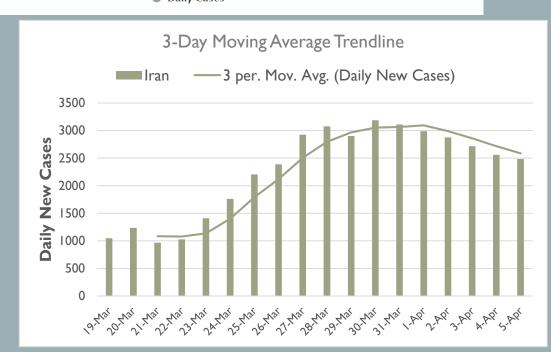


Daily New Cases in Iran

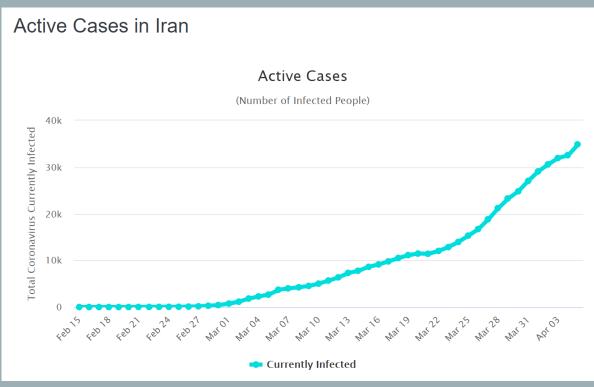


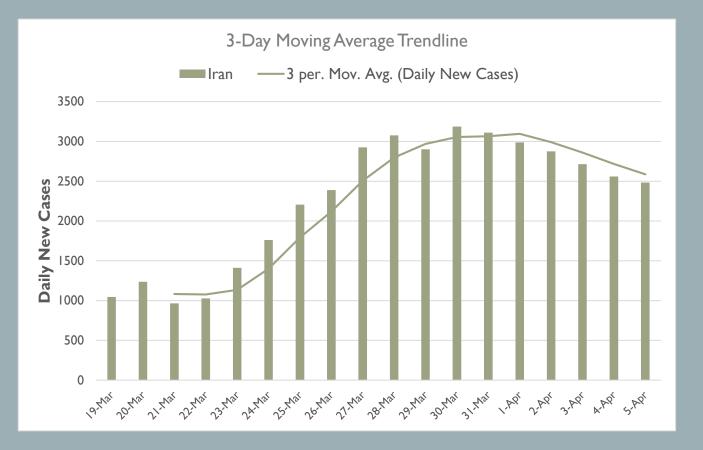
Cases per Day Data as of 0:00 GMT+0



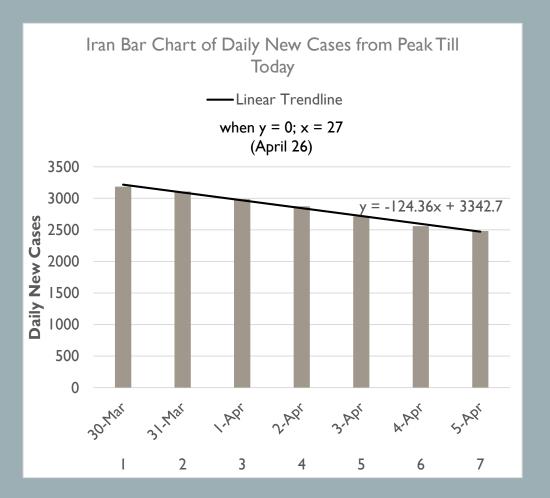


7. Iran



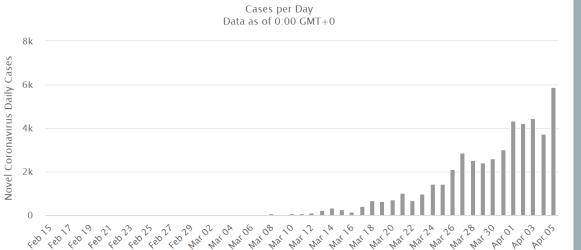


Trendlines for Iran

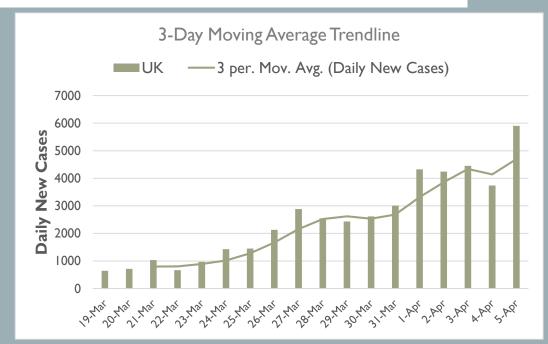


Daily New Cases in the United Kingdom

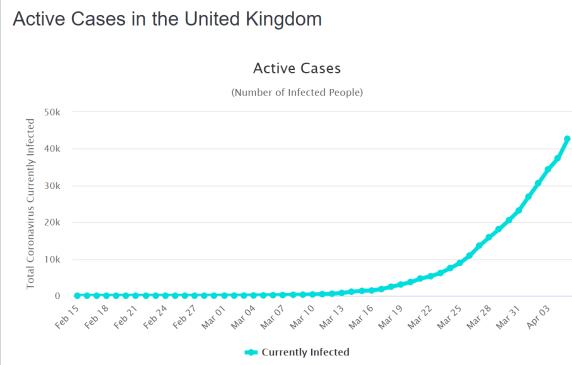




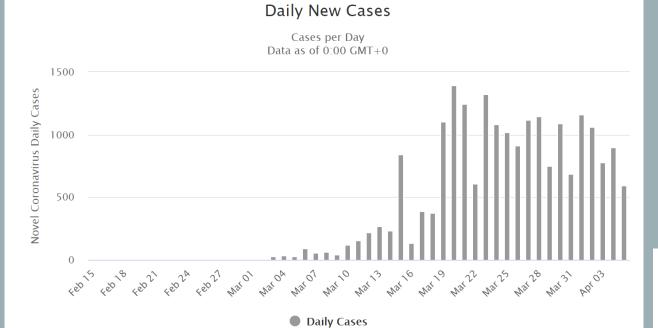
Daily Cases



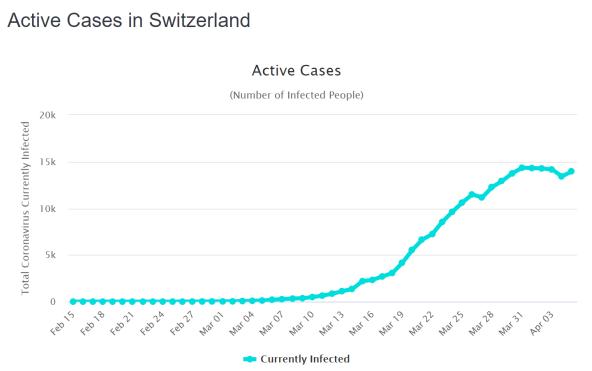
8. UK

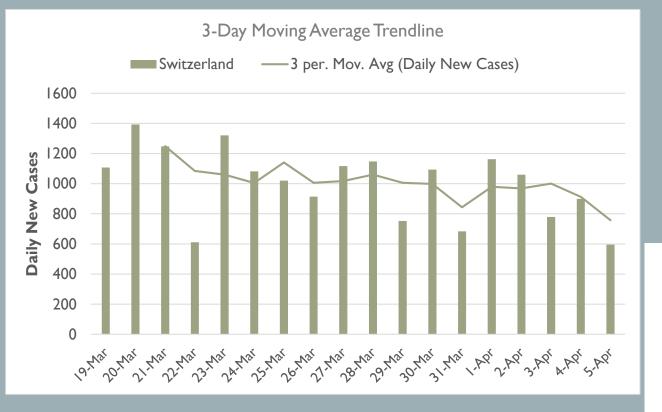


Daily New Cases in Switzerland



9. Switzerland



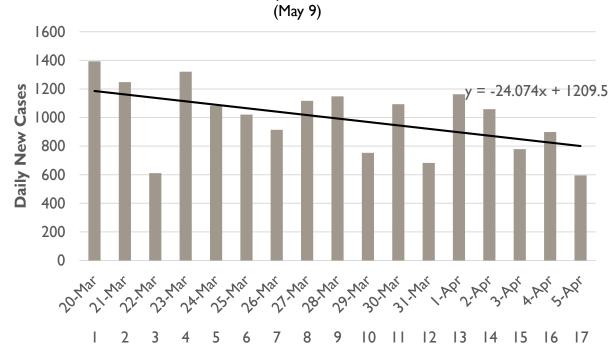


Trendlines for Switzerland

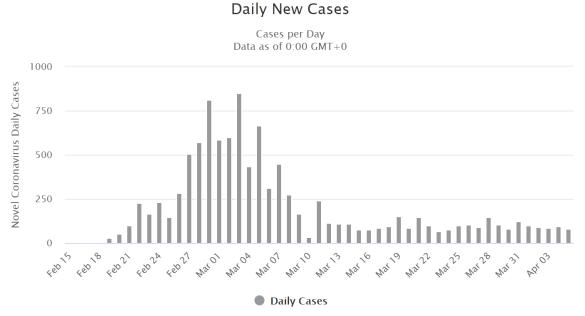


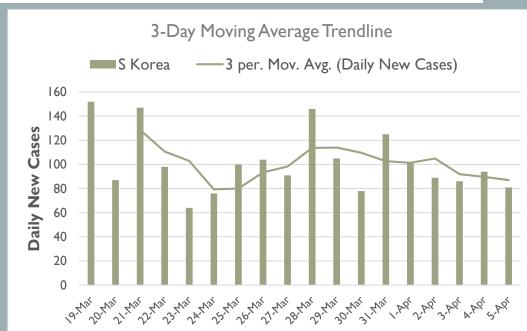
—Linear Trendline

when y = 0; x = 50

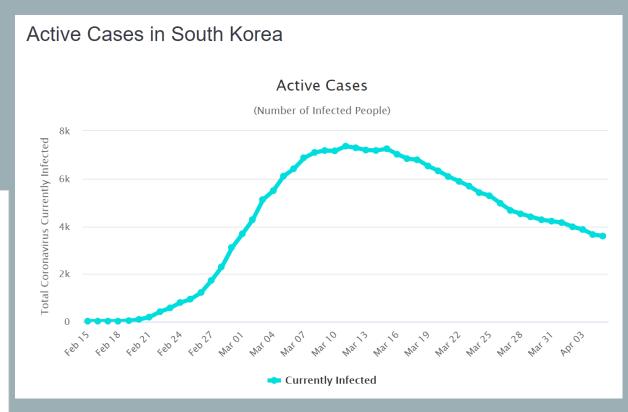


Daily New Cases in South Korea





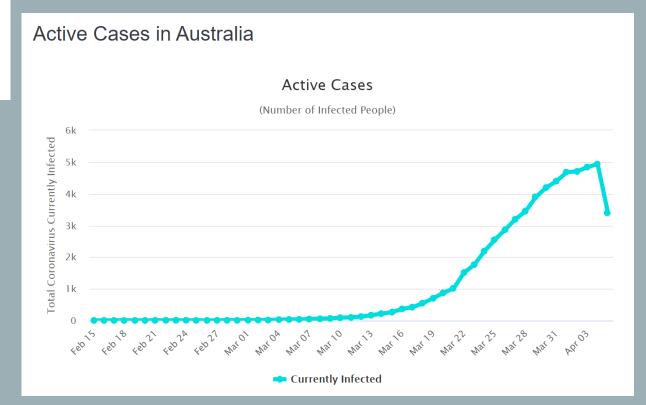
South Korea

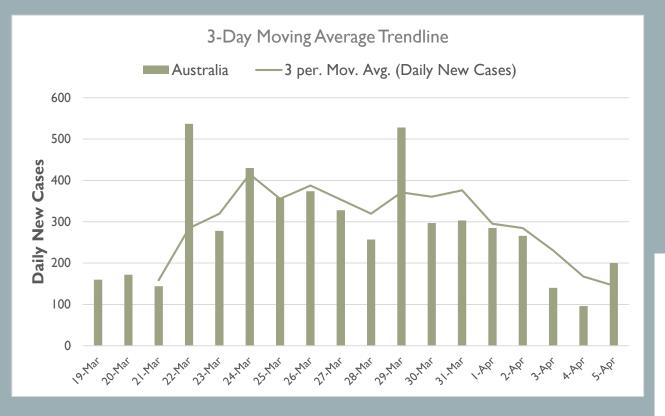


Daily New Cases in Australia Daily New Cases Cases per Day Data as of 0:00 GMT+0 600 Novel Coronavirus Daily Cases

Daily Cases

Australia

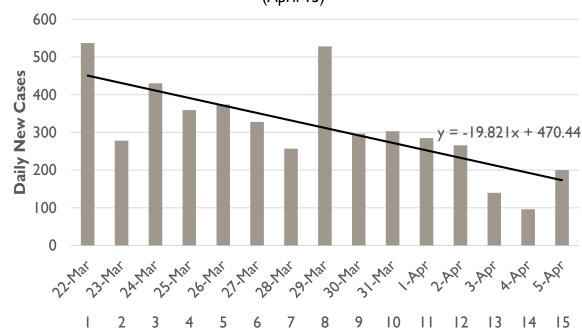




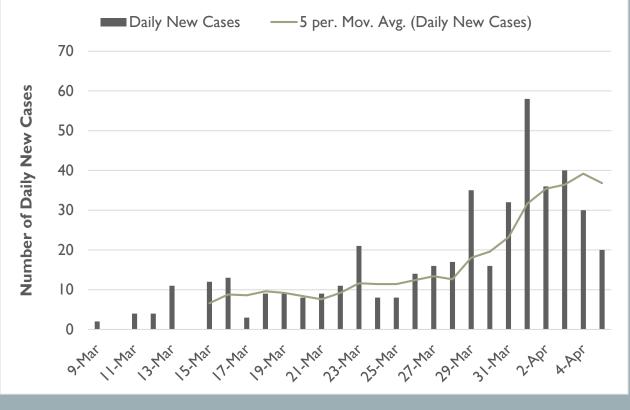
Trendlines for Australia



Linear Trendline
when y = 0; x = 24
(April 15)



Daily New Cases in Cyprus

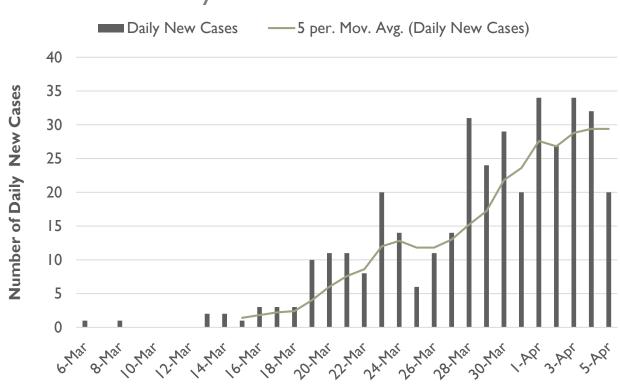


Hawaii

Cyprus

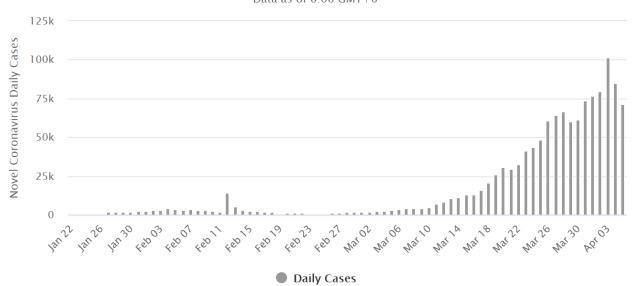
Correlation, r (Between Cyprus and Hawaii) = 0.780 r is significant at a = 5%

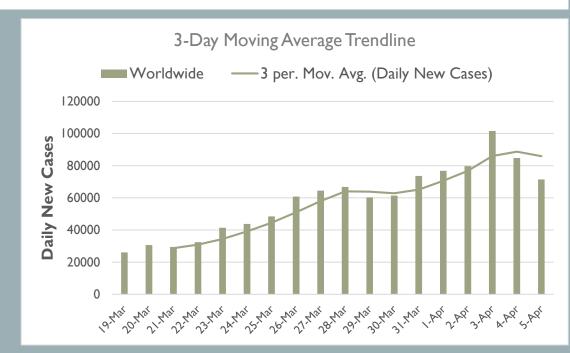




Daily New Cases

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





Worldwide

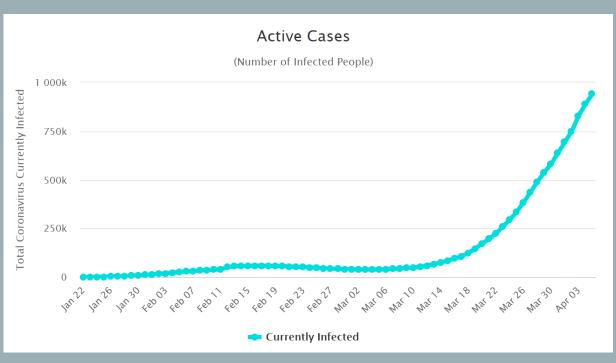


Table 1.a

GROWTH IN NEW CASES SINCE THE DAY BEFORE

	3/19	3/20	3/21	3/22	3/23	3/24	3/25	3/26	3/27	3/28	3/29	3/30	3/3	4/ I	4/2	4/3	4/4	4/5
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	1.216	1.070	1.128	1.081	1.059	0.740
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	1.015	1.029	0.970	0.898	0.977	0.786
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	1.001	1.180	0.976	0.982	1.048	0.898
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	1.106	1.254	1.104	0.934	0.775	0.817
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	1.732	0.641	0.435	10.898	0.338	0.371
China	1.15	1.051	1.122	0.848	2.000	0.603	1.426	0.821	0.982	0.833	0.000		0.456	0.972	0.886	0.613	1.579	1.300
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	0.976	0.961	0.962	0.944	0.943	0.970
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	1.149	1.437	0.981	1.049	0.839	1.580
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	0.625	1.703	0.911	0.736	1.154	0.662
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	1.603	0.808	0.881	0.966	1.093	0.862
Australia	1.135	1.075	0.837	3.729	0.518	1.547	0.835	1.042	0.877	0.784	2.054	0.563	1.020	0.941	0.933	0.526	0.686	2.083
Cyprus	1.000	0.889	1.125	1.222	1.909	0.381	1.000	1.750	1.143	1.063	2.059	0.457	2.000	1.813	0.621	1.111	0.750	0.667
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	0.690	1.700	0.794	1.259	0.941	0.625
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	1.199	1.043	1.037	1.274	0.835	0.842

Table 1.b

AVERAGE GROWTH OF LAST FIVE DAYS

	3/23-27	3/24-28	3/25-29	3/26-30	3/27-31	3/28-4/1	3/29-4/2	3/30-4/3	3/31-4/4	4/1-4/5
USA	1.152	1.142	1.129	1.092	1.077	1.074	1.092	1.103	1.111	1.016
Spain	1.236	1.036	1.002	1.014	0.996	1.009	1.014	1.011	0.978	0.932
Italy	1.019	1.049	1.004	0.961	0.923	0.968	0.961	0.983	1.037	1.017
Germany	1.257	1.120	1.071	1.039	0.954	0.996	1.019	1.067	1.035	0.977
France	1.321	1.071	1.056	1.154	1.232	1.166	1.011	3.078	2.809	2.537
China	1.166	0.933	0.812	0.659	0.568	0.565	0.578	0.732	0.901	1.070
Iran	1.236	1.172	1.111	1.080	1.059	1.006	0.988	0.988	0.957	0.956
UK	1.354	1.239	1.135	1.147	1.084	1.100	1.120	1.138	1.091	1.177
Switzerland	1.208	0.982	0.949	1.051	0.996	1.093	1.069	1.085	1.026	1.033
S Korea	1.014	1.205	1.111	0.996	1.109	1.095	0.951	1.000	1.070	0.922
Australia	0.964	1.017	1.118	1.064	1.060	1.072	1.102	0.797	0.821	1.034
Cyprus	1.237	1.067	1.403	1.294	1.344	1.478	1.390	1.200	1.259	0.992
Hawaii	1.347	1.290	1.305	1.461	1.232	1.317	1.033	1.130	1.077	1.064
Worldwide	1.151	1.103	1.072	1.054	1.043	1.040	1.040	1.115	1.078	1.006

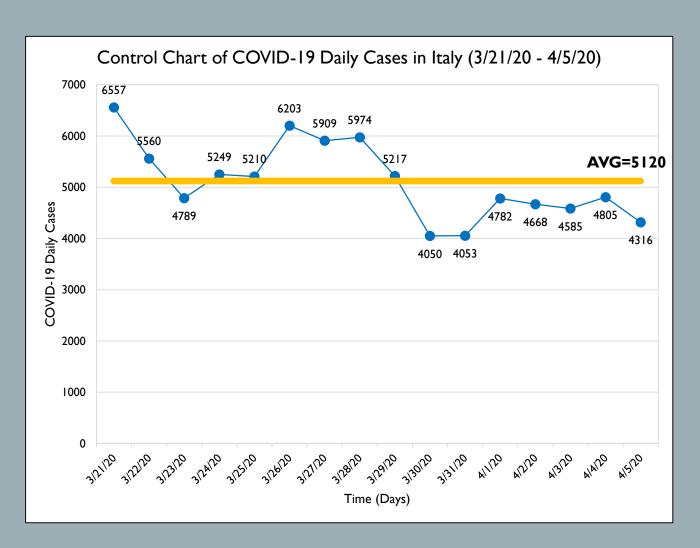
Table 2

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

	3/22	3/23	3/24	3/25	3/26	3/27	3/28	3/29	3/30	3/31	4/ I	4/2	4/3	4/4	4/5
USA	0.701	0.796	0.921	0.865	0.806	0.879	0.949	0.972	0.978	0.876	0.901	0.905	0.915	0.939	0.895
Spain	0.908	0.710	0.798	0.927	0.913	0.954	0.956	0.900	0.896	0.914	0.968	0.972	0.938	0.889	0.789
Italy	0.920	0.859	0.793	0.775	0.847	0.881	0.919	0.869	0.775	0.677	0.655	0.686	0.713	0.715	0.697
Germany	0.703	0.678	0.782	0.917	0.750	0.860	0.979	0.889	0.770	0.679	0.747	0.861	0.930	0.871	0.737
France	0.900	0.629	0.681	0.800	0.790	0.906	0.892	0.797	0.838	0.640	0.740	0.640	0.434	0.476	0.488
China	0.003	0.004	0.004	0.005	0.004	0.004	0.004	0.002	0.003	0.003	0.004	0.002	0.002	0.002	0.002
Iran	0.789	0.804	0.795	0.813	0.887	0.857	0.909	0.965	0.959	0.962	0.971	0.939	0.897	0.853	0.812
UK	0.777	0.859	0.715	0.883	0.784	0.747	0.873	0.909	0.878	0.893	0.767	0.892	0.975	0.931	0.796
Switzerland	0.778	0.761	0.721	0.819	0.722	0.730	0.761	0.722	0.716	0.605	0.703	0.695	0.718	0.655	1.273
S Korea	0.130	0.121	0.093	0.094	0.110	0.116	0.134	0.134	0.129	0.121	0.119	0.123	0.108	0.105	0.102
Australia	0.529	0.595	0.773	0.662	0.722	0.659	0.595	0.691	0.672	0.700	0.549	0.530	0.429	0.312	0.271
Cyprus	0.718	0.651	0.635	0.587	0.476	0.603	0.746	0.648	0.648	0.790	0.609	0.724	0.770	0.609	0.517
Hawaii	0.909	0.650	0.700	0.667	0.517	0.517	0.602	0.742	0.903	0.785	0.814	0.794	0.931	0.912	0.843
Worldwide	0.950	0.832	0.896	0.919	0.839	0.898	0.959	0.956	0.941	0.884	0.919	0.963	0.847	0.873	0.846

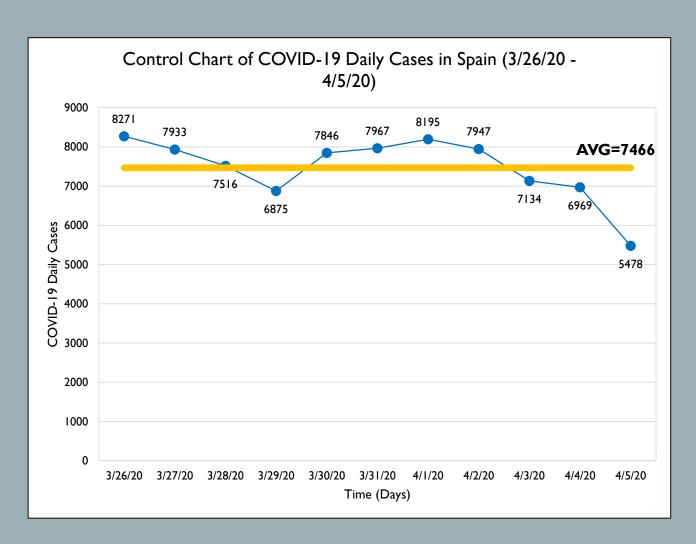
COVID-19 CONTROL CHART ANALYSIS

Italy



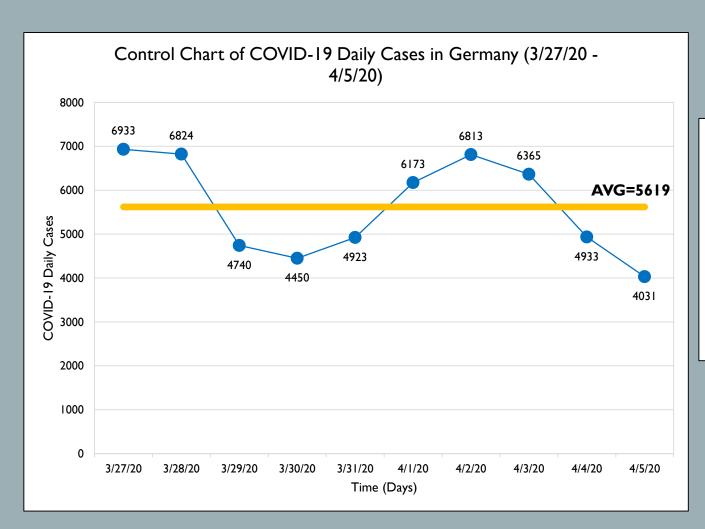
- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
 - The last five points (from 4/1/20 to 4/5/20) are all below the control line, which suggests an 'out-of-control' pattern for COVID-19 cases in Italy. A good 'out-of-control' sign. The linear trend line has a downward slope.

Spain



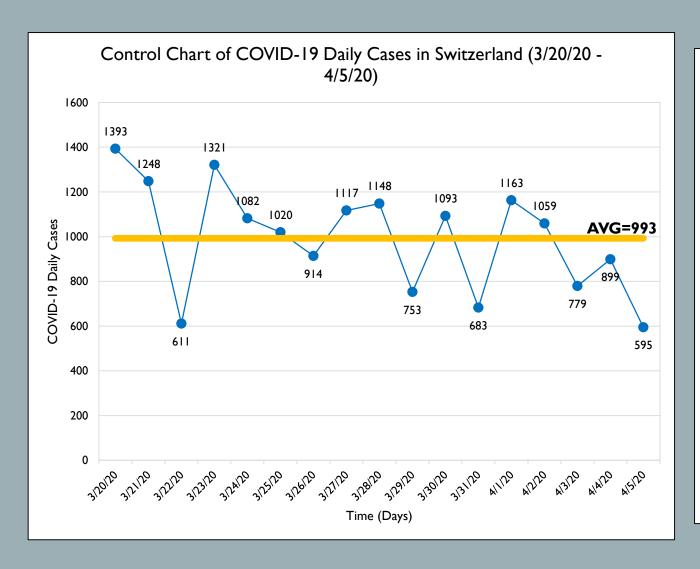
- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - The last three points (from 4/3/20 to 4/5/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Spain. Also, the regressed trend line from 3/26/20 has a downward slope.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
 - Four points (from 3/30/20 to 4/2/20) are above the control line, which suggests an 'out-ofcontrol' pattern for COVID-19 cases in Spain (not a good sign).

Germany



- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - There is an 'out-of-control' pattern in both directions. However, a linear trend line with a downward slope can be observed from 3/27/20.

Switzerland



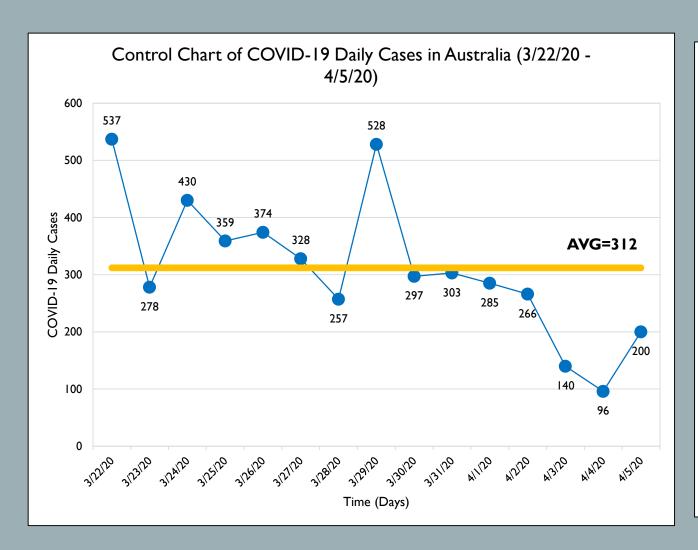
Control Chart Analysis:

- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - The last three points (from 4/3/20 to 4/5/20) are below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Switzerland.

Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.

 Four points (from 3/20/20 to 3/24/20) are above the control line, which suggests an 'outof-control' pattern for COVID-19 cases in Switzerland (not good). However, the linear trend line has a visible downward slope.

Australia



- Two points, out of three successive points, are on the same side of the centerline in Zone A or beyond.
 - Three points (from 4/2/20 to 4/4/20) are below the control line, which suggests an 'outof-control' pattern for COVID-19 cases in Australia. This is a good pattern. Also, the linear trend line has a remarkable downward slope.
- Four points, out of five successive points, are on the same side of the centerline in Zone B or beyond.
 - The last five days (from 4/1/20 to 4/5/20) are all below the control line, which suggests a good 'out-of-control' pattern for COVID-19 cases in Australia.