

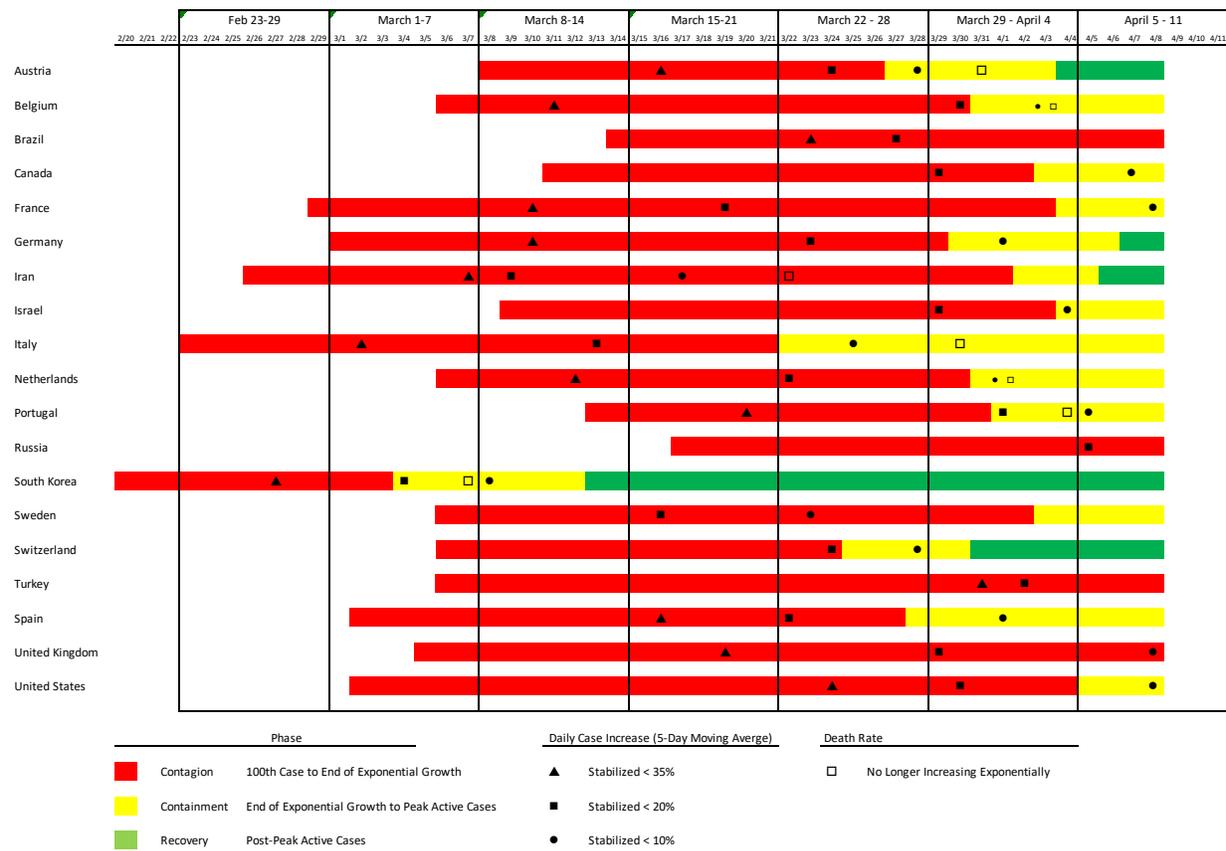
Measure	Desired Change	Yesterday in the U.S.
No. of Tests	Increase	Up 8.5% (Cumulative)
Positive Test Rate	Decline	Down slightly 19.0% (from 19.1%)
No. of Cases	Plateau	Up 8.6%, rate continues to slow
% of Deaths Per Case	Decline	Up to 3.4% (v. 3.2%)
No. of Deaths / 1M Pop.	Plateau	Up to 44.7 (from 38.8)
Recoveries : Deaths	Increase (>1:1)	Down to 1.55 (from 1.69)

After adding Brazil to our dataset yesterday, we expanded it further today to include Israel, Russia and Sweden. It now includes the 20 countries with the most confirmed coronavirus cases, and represents 89.6% of all cases worldwide. We also track each of the 50 U.S. states plus the District of Columbia and New York City.

- Wednesday was another tragic day in the U.S., with more than 1,900 deaths for the second consecutive day. Total deaths are now approaching 15,000, and the death rate shows no signs yet of retreating from its exponential growth pattern. Still, the U.S.’s death rate ranks 12<sup>th</sup> of the 20 countries with the most confirmed coronavirus cases. Death rates in Italy, the United Kingdom, Netherlands and Spain are ~3-4x that of the U.S.
- The spread of the coronavirus continues to slow among those countries hardest hit to-date. Of the 20 countries we are tracking, average daily case growth rates (5-day moving average) are under 10% in all but Brazil, Russia and Turkey. Further, the pattern of exponential case growth seems to have been broken in all of these countries, except Brazil, Russia, Turkey and the United Kingdom. Six countries and possibly, Belgium, have passed their peak in active coronavirus cases: Austria, China, Germany, Iran, South Korea and Switzerland.
- With more than 430,000 cases, the U.S. has more than 4x as many cases as the next closest country, Spain. On a per capita basis, however, the U.S. ranks 7<sup>th</sup> of the 20 countries with the most cases. New York, New Jersey and Louisiana each have more cases per capita than even Spain, which has the highest number of cases per capita of any country in the top twenty in total cases.
- Cases in the U.S. are showing signs of plateauing and may not be growing exponentially anymore. Average daily case growth rates (5-day moving average) are under 10% in 29 states, in New York City, and for the U.S., in total. Fifteen states appear to be breaking from the exponential growth rates in cases and 7 have passed or are near a peak in active cases (Idaho, Maine, Minnesota, Montana, North Dakota, Oklahoma and Wyoming).
- New York City and state continue to be of interest: While they have been the “hot spot” for cases in the U.S., new cases peaked in the City on April 3 and the state, on April 4. Average daily case growth rates (5-day moving average) are under 10% for both the City and the state. Should this continue, it will bring relieve a great deal of pressure on the citizens and, the health care professionals and resources there.

The graphic illustrates in color when the country first recorded 100 total cases (“contagion” phase); when growth stopped following an exponential pattern (“containment” phase); and, when peak total cases were recorded (“recovery” phase). It uses symbols to indicate when average daily case growth rates fell (and was sustained) below certain benchmarks, as well as when deaths stopped growing exponentially.

A similar chart for selected U.S. states and New York City is provided on the next two pages.

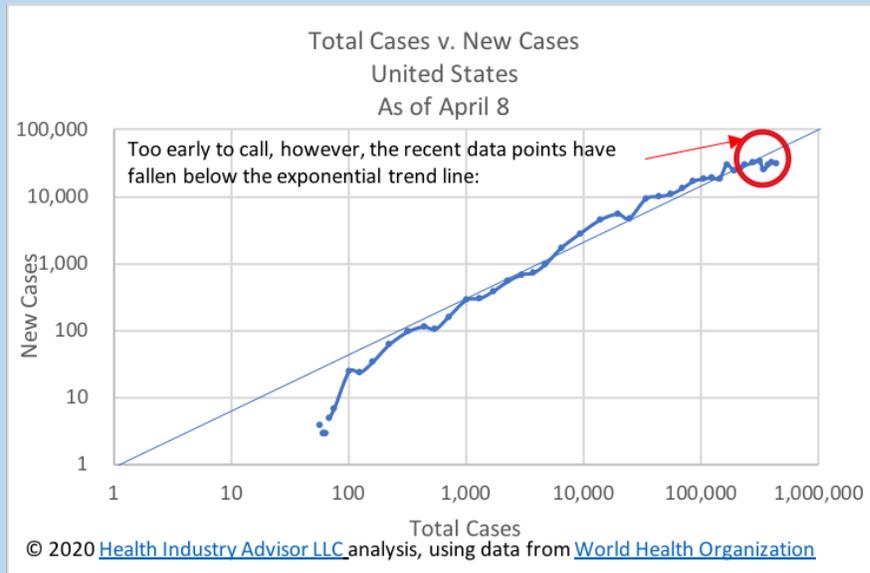


Information throughout the Dashboard is provided as a courtesy, based on data from the above-named sources. HIA has no responsibility for the accuracy and updating of any data. Sources: [worldometers.info](http://worldometers.info); [covidtracking.com](http://covidtracking.com) Graphics depict data as of April 8, 2020.

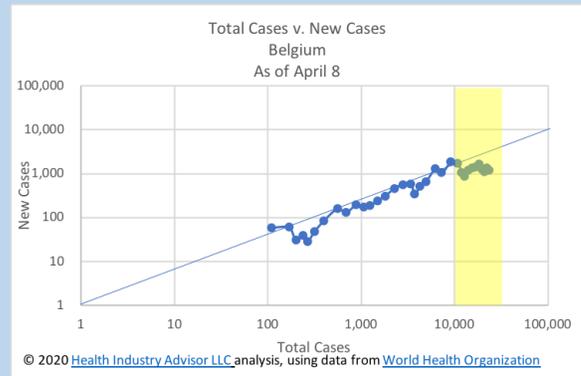
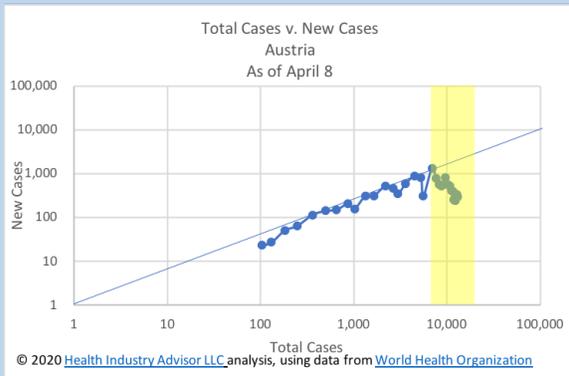


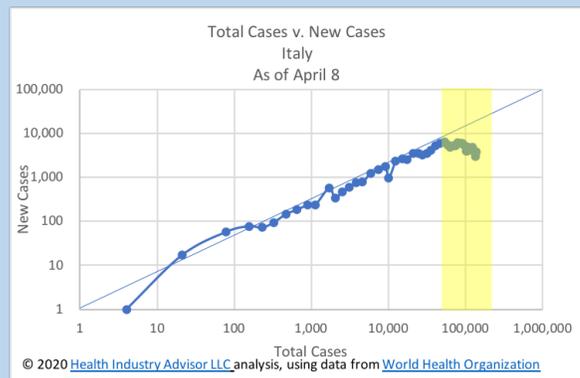
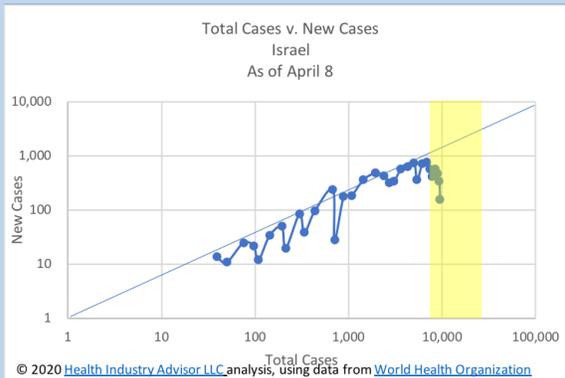
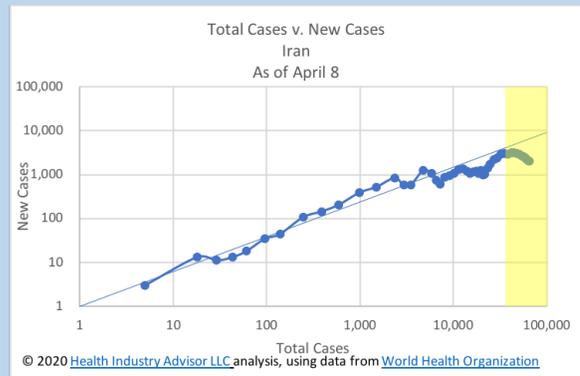
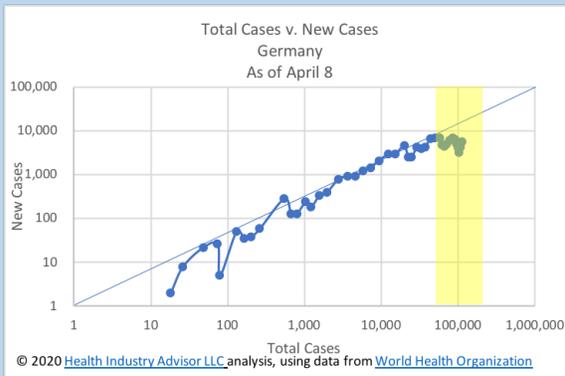
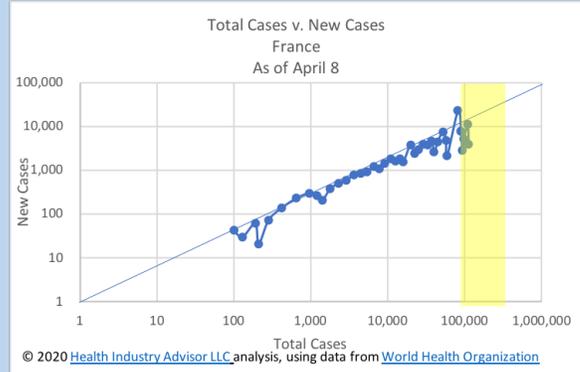
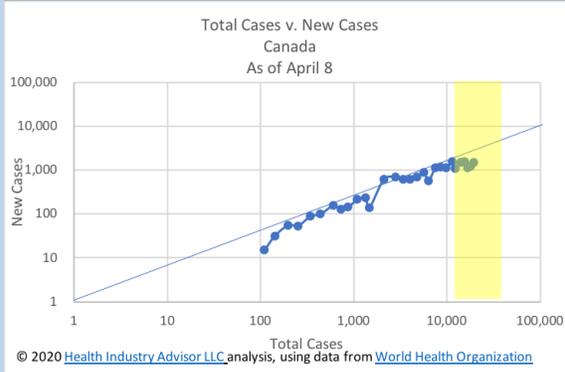


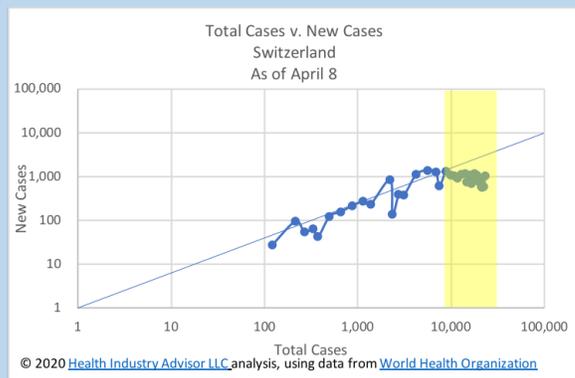
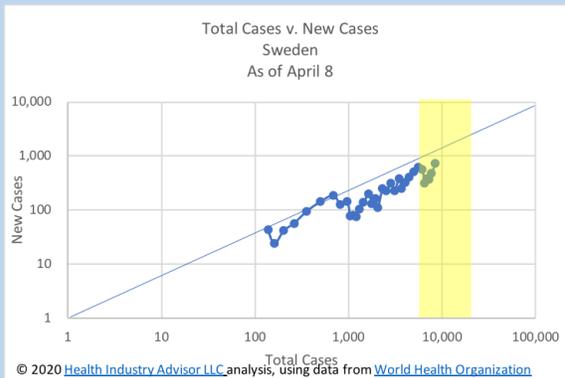
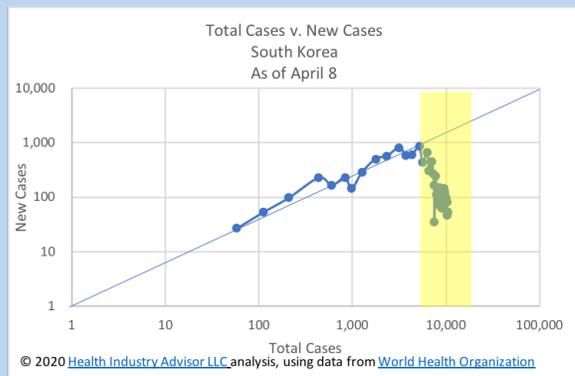
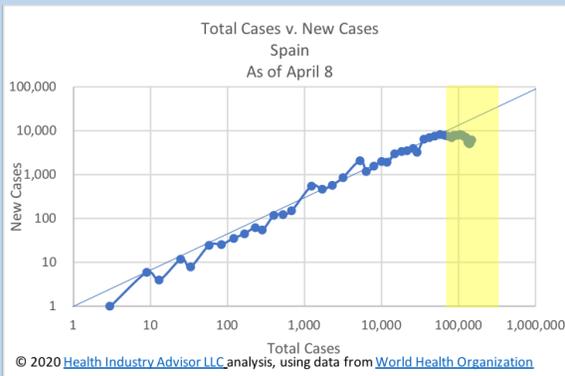
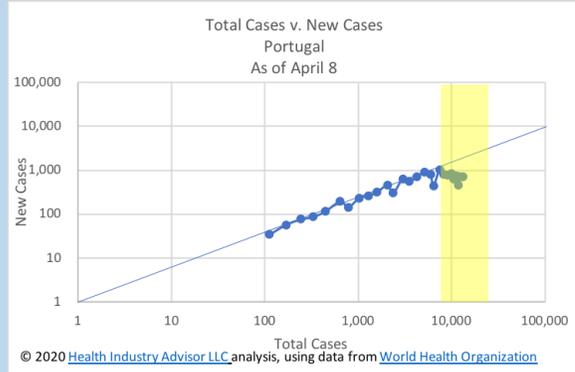
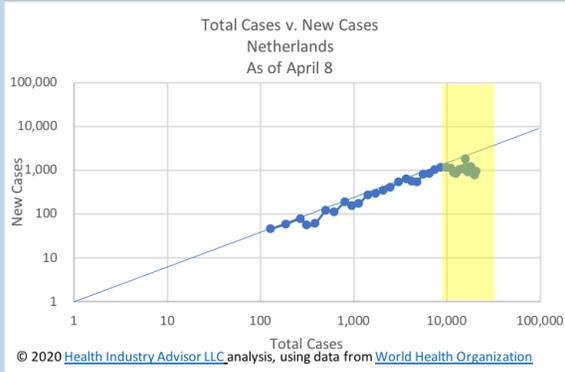
Illustration of the logarithmic growth in cases in the U.S., along with similar graphs for selected countries. The selected countries are those which are showing evidence that cases are no longer growing exponentially - in other words, containment.



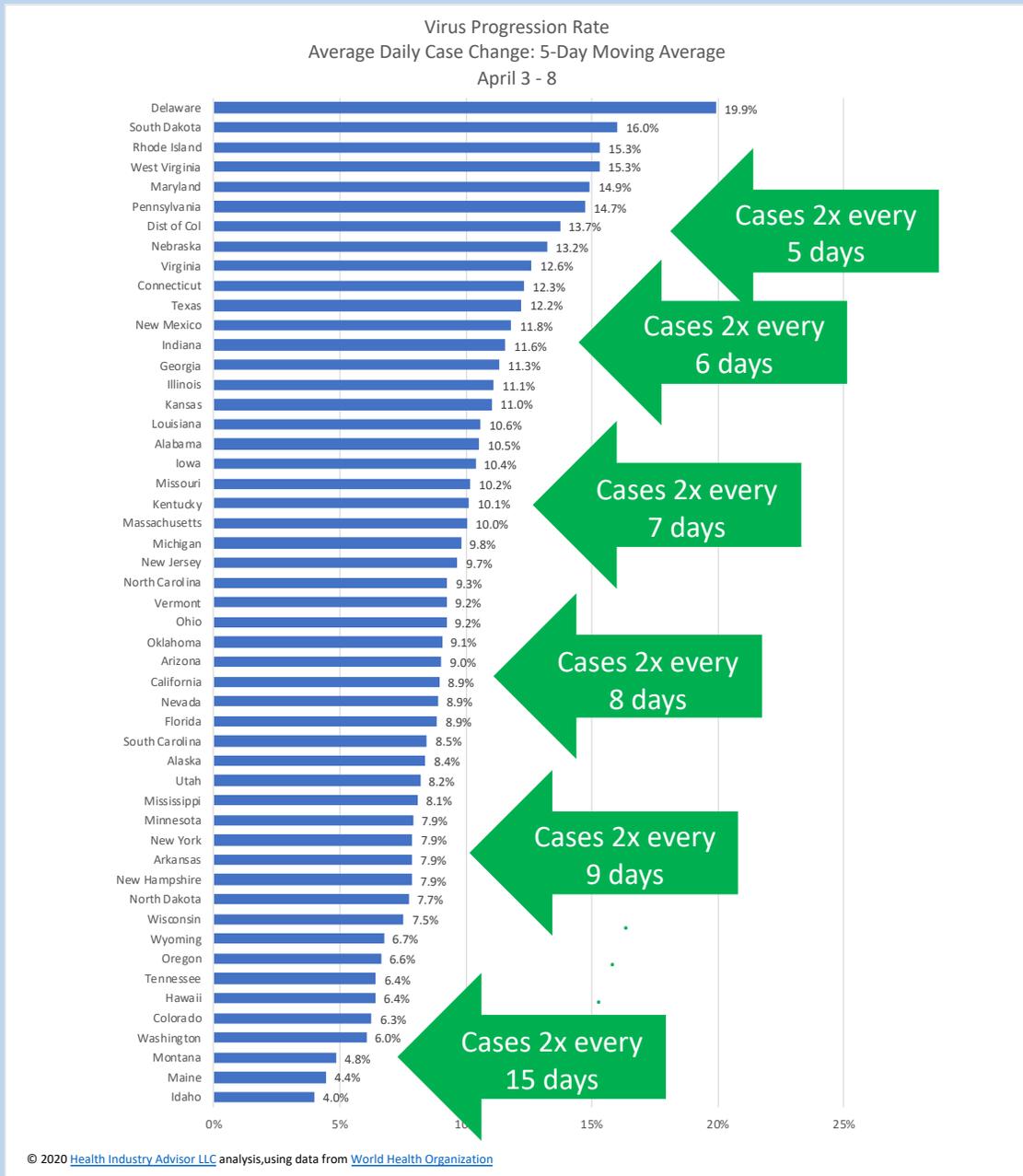
Note: on the country graphs that follow, the yellow-shaded areas are intended to highlight where case growth seems to have ceased growing exponentially (China not shown):







Growth is slowing across the U.S.:



On this page, we provide graphs depicting those states nearing or past the peak in active cases.

