

No. of Tests	Increase	Up 11.6% (Cumulative)
Positive Test Rate	Decline	15.2% (from 13.5%)
No. of Cases	Plateau	Up 25.3%
% of Deaths Per Case	Decline	Steady @ 1.5%
No. of Deaths / 1M Pop.	Plateau	Up to 3.91
Recoveries : Deaths	Increase (>1:1)	1.43 (up from 0.52)

Yesterday's Highlights:

The news media is focusing on the continued increase in total cases in the U.S. (and that we now have more cases than any other country) and the growing death toll. **Yesterday, however, brought some encouraging developments.** Should these developments be sustained, then at least parts of the U.S may soon (within weeks?) be joining China, South Korea and many other countries in seeing the peak of the coronavirus epidemic. (These are early indicators, and we should not presume that they will continue. Further, I do not intend to minimize the severity of the issue, nor discount the importance of practicing safe behavior; rather, I am focused on data trends that measure the degree and pace of contagion spread.)

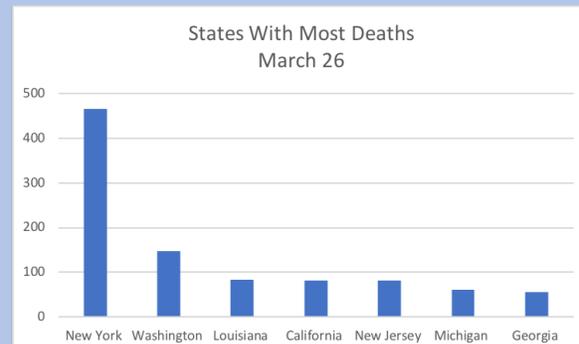
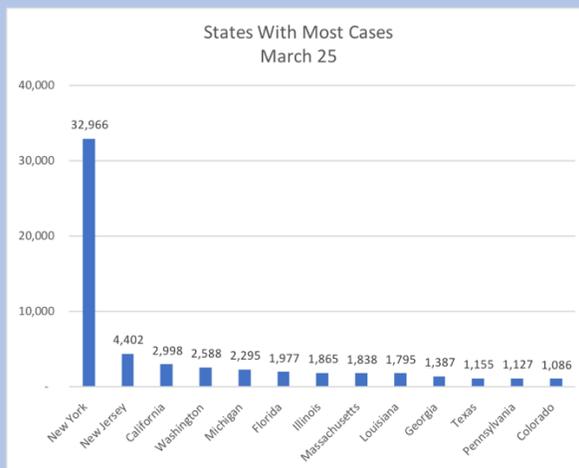
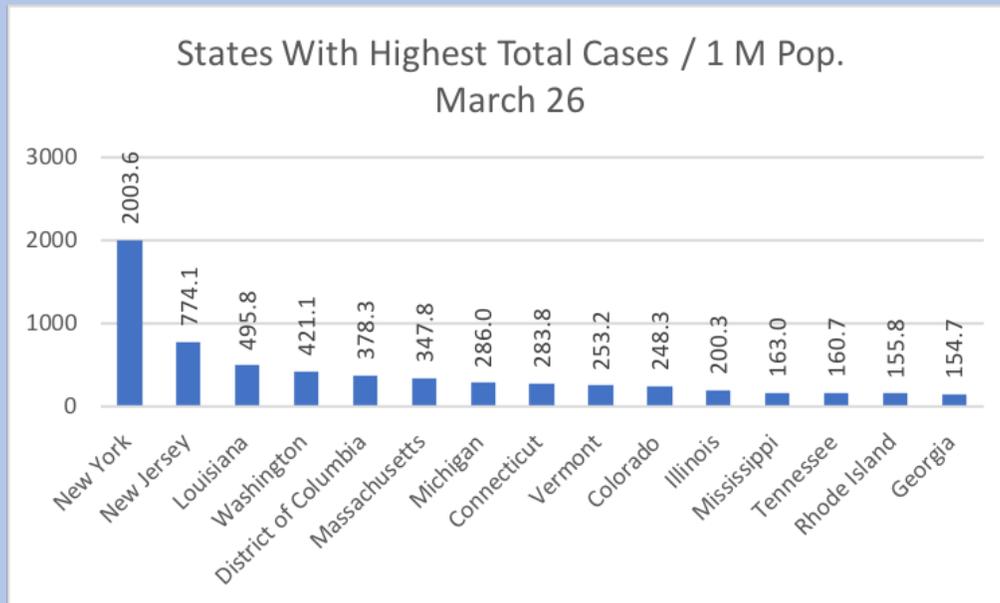
- A key indication of the decline of the epidemic in China and South Korea was a declining rate of increase in daily case volume (indicating the spread was slowing). Key thresholds were when these rates dropped below 25% (beginning of a slowdown) and 10% (days from the peak in active cases)
- In the U.S., the daily increase in cases (3-day moving average) has been trending downward since Tuesday (Caution: this pattern needs to continue at least one more day to be considered statistically significant). When South Korea and China's rates dropped to where the U.S. (and NY) was yesterday, their active cases peaked 9 and 17 days later, respectively
- This downward trend also was evident in 15 states: AK, AZ, DE, HI, LA, ME, MI, MN, NY, NE, NM, OH, RI, SD, UT
 - New York is particularly important, given the high incidence of the virus
 - In 4 of these states (HI, ME, MN, NE), the daily case increase (3-day moving average) is nearing the 10% threshold, suggesting transition toward recovery may be on the horizon
- Unfortunately, 8 states showed the opposite trend – a trend of increasing case volume (3-day moving average) (AL, KS, MA, OK, OR, PA, WI, WV)
 - Alabama, Massachusetts and Pennsylvania are of particular concern, as they have high total cases already
- Another key indicator is the relationship of recoveries to deaths. For the first time in the U.S., there are more recoveries than deaths
- While the U.S. has the highest number of cases in the world, and the pandemic is by no means over, it continues to indicate a lower incidence (cases per 1M) and lower death rate from the virus than many other countries; compared to some countries, the U.S. incidence rate is 1.7x – 4.7x lower; and the death rate, 2.6x – 6.8x lower

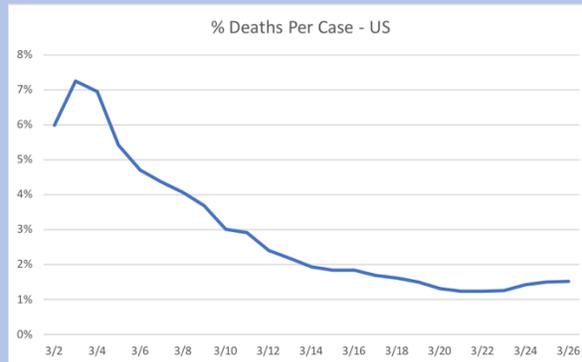
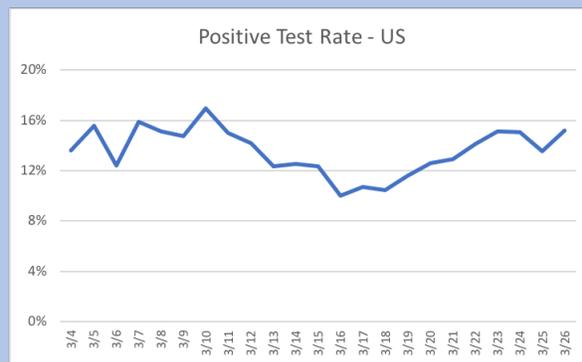
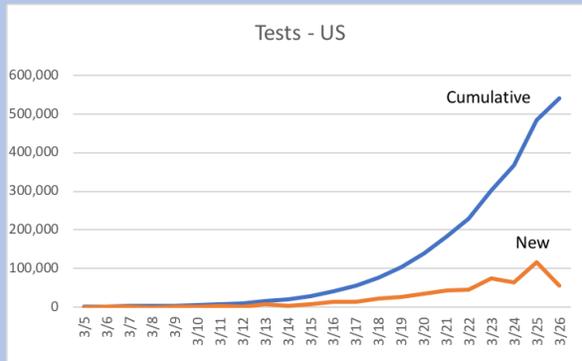
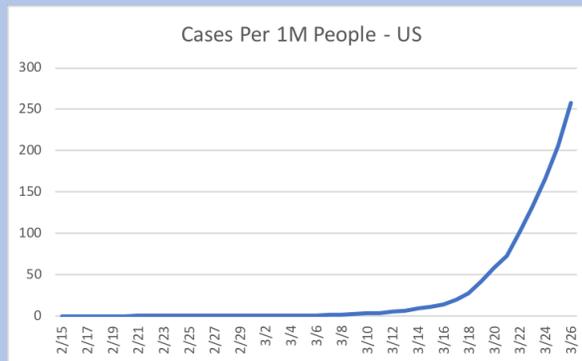
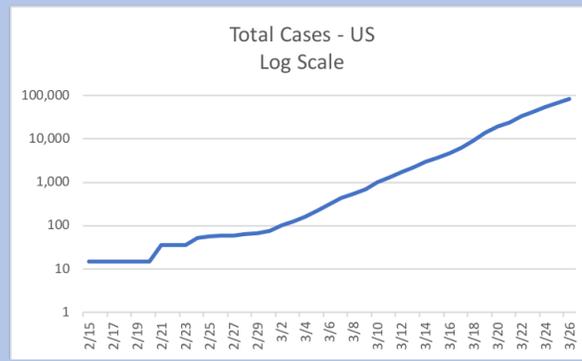
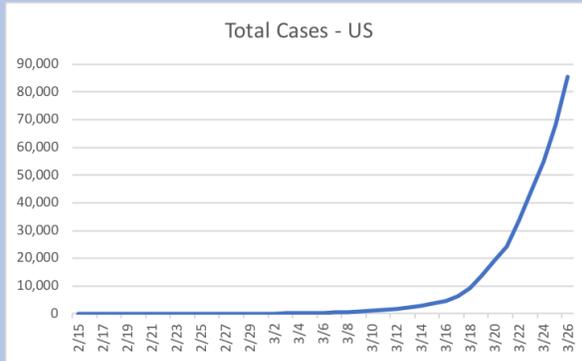
Information provided as a courtesy, based on data from the above-named sources. HIA has no responsibility for the accuracy and updating of any data. Sources: worldometers.info; covidtracking.com, [Financial Times](http://FinancialTimes)

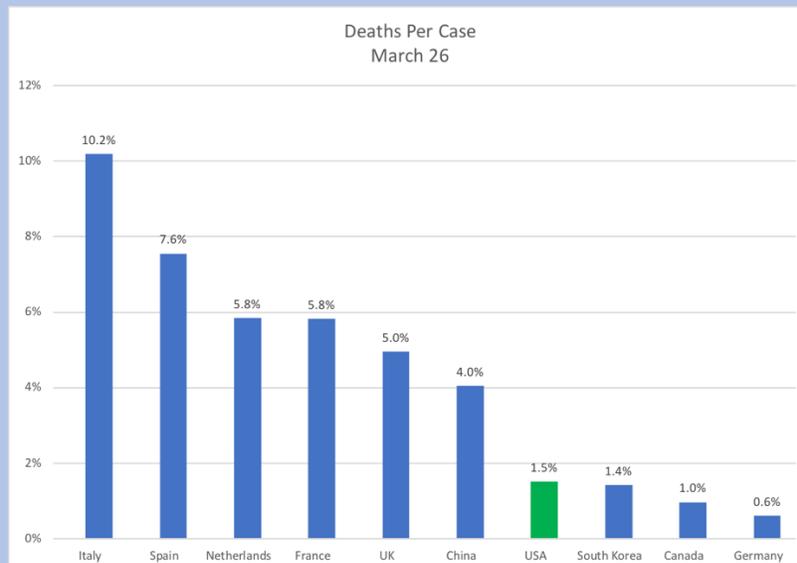
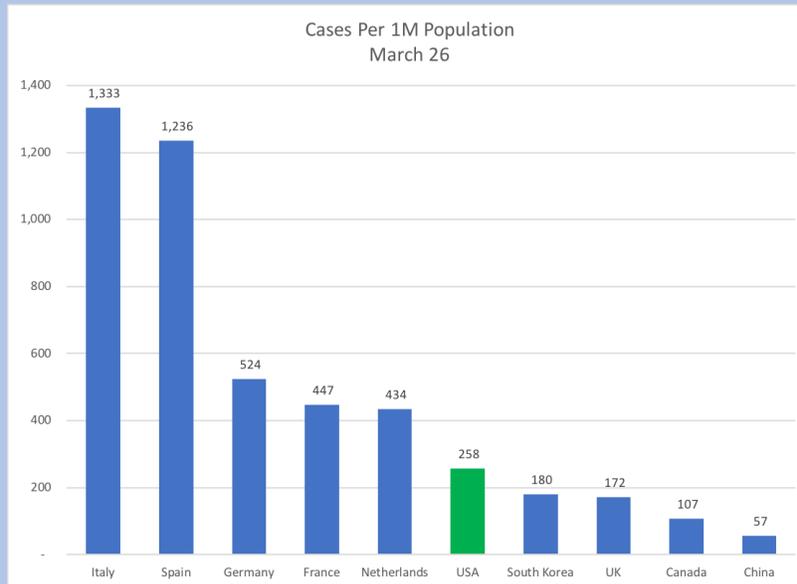
Graphics depict data as of March 25, 2020

Stage (as of March 26)				
	I Early Development	II Rapid Progression	III Slowing Progression	IV Recovery
Fewer Than 100 Cases	Average Daily Case Increase <25%	Average Daily Case Increase >25%	Average Daily Case Increase >10%	Declning Active Cases
Alaska	Arkansas	Alabama	Washington *	
Hawaii	California	Arizona	Delaware **	
Montana	Idaho	Colorado	New York **	
Nebraska	Illinois	Connecticut	South Carolina **	
North Dakota	Iowa	Florida		
South Dakota	Kentucky	Georgia		
West Virginia	Maine	Illinois		
Wyoming	Maryland	Indiana		
	Minnesota	Kansas		
	Mississippi	Louisiana		
	Nevada	Maryland		
	New Hampshire	Massachusetts		
	New Mexico	Michigan		
	Oregon	Missouri		
	Rhode Island	New Jersey		
	Tennessee	North Carolina		
	Texas	Ohio		
	Utah	Oklahoma		
	Virginia	Pennsylvania		
	Wisconsin	Texas		
		Vermont		

States that moved between stages since yesterday are in red font
 * - Washington's daily average case volume increase just above 10% on Thursday, to 13%
 ** - These states are showing a downward trend in daily case volume increases, however, while < 25%, they are not yet >10%







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