

A lot going on in the last 24 hours, so let's get straight to it.

Headlines:

- Testing yesterday exceeded 100,000 a near doubling from Tuesday (65,000). Most of this growth came in California (39,000 new) and Massachusetts (6,000 new)
- New US cases increased 20% (13,355) after two days below 10%. Lead by a few states and rising testing volumes. Total Active daily case growth declines 1%, from 25% to 24%.
- Washington State new case count falls to 119, down 50% overnight as they reach the ~50 day mark.
- Clinical Human trials of Vaccine begin in Washington State.
- China announces ZERO Cases as they flatten the curve to ZERO at 60 days in on their curve to eliminate the virus.
- States, Counties, Cities across the US announce new full lockdowns starting today- Colorado state order for all residents to stay at home, small Counties and cities across the us close/monitor all roads and business.
- NYC new case count rises 1,000 cases to ~6,600 – highest level in the last 5 days adding potentially new 1,000 hospitalizations to a the 3,800 already hospitalized.
- Army shipping stockpile of millions of masks and thousands of respirators to states/hospitals in need.
- Head of US Nursing Association (4 Million US Nurses) advises: Stay Home, Wash Hands, Avoid Social and National Media Hype

Note: *New York is experiencing a surge in cases new case counts up materially yesterday, worryingly the % of tests resulting in positives rose from 30% Sunday to 42% yesterday*

Pragmatism

So a point on pragmatism as we complete a 2nd week of wide spread US lockdowns and continued declining new case growth rate across the US, excluding a number of stressed areas and hot spots. China/Korea got this under control at ~60 days from the 100 case Threshold. Washington State is at ~50 days with only 112 new cases reported yesterday and all of the US is ~10 days into a much more serious lock down, and it is tightening further now. IF, we had a "Perfect" Quarantine from today, we could all but eliminate this virus in another 15 to 20 days....of course it will not be perfect.

There are a number of reports circulating on Social Media and the Press that there are substantially more cases than reported (large #'s). Some of this is based on Mortality #'s today that correspond to Total Cases 15+ days ago. While the logic in this is correct, the math is not. If this is approached soundly, we could have 2X the cases reported to date (NYC maybe higher), not more. Pragmatically speaking, if this were true, all those cases are now resolved and/or non contagious. We are also not seeing in any data a surge in % positive cases today (*other than NYC – see below/spreadsheet*). If this outbreak were 10X what we are seeing in reported data, % testing positive would not be the 10% to 15% we are seeing every day, but 40% - 50% (*this is the case in NYC*)..... follow a seasoned nurses advice: **Stay at Home, Wash your hands, avoid Social Media/Media hype!**

- **Mortality yesterday was 1.5% across the US.** Hospitalization rates grew slightly yesterday to 9.6%. New York will likely need 1,000+ more beds based on yesterday's data.
- **Positive Tests rates are continuing a decline to 10% of total tests across the US yesterday** (*excluding NY – we also need to see resulting from “pending” tests today/tomorrow*)
- **The rate of growth in new cases is flattening across the US with some notable exceptions.**

Testing:

- **Testing volume was up substantially yesterday to 100,000+ cases, so volumes are now expanding**
- Unfortunately, “Pending” tests rose to > 40,000 suggesting labs are not yet geared up for the volume of completed tests, hopefully this will also resolve in coming days
- The majority of new testing was in a few states: California, Massachusetts, Ohio, Minnesota.
- The rate of new positive cases in total continued a three day decline to **10% of total tests**, down from 18% Sunday (*with the exception in NY*).
- **New York had a higher volume of positives yesterday and a surge in % testing positive to 42%.... this does suggest a much wider outbreak in NYC than is being counted so far.**
- We have conducted ~470,000 tests across The US to date.

New/Active Cases

- New Total Active case growth is relatively flat for the past three days remaining at ~10,000. New York new case counts grew to 6,600 from 5,400 the prior day.
- New Case growth rates peaked last Friday (March 20th) across the US as all the measures put in place last week took effect. We are seeing a modest rise in some states where testing is now ramping up.
- New Case (active spread) growth rates have declined materially in the last four days across the US, with the exception of a few places.
- Washington State New case grow peaked on March 13 and the growth curve has been flat for nearly 11 days with a major reported decline yesterday.

Recovery/Mortality

- The Mortality rate has remained stable at ~1.5%.
- Hospitalization rates grew modestly yesterday to 9.9% of Positive cases from 8% on Monday to 6,136 cases nations wide – 50% of these in New York

NOTE ON DATA: Data is pulled late evening and early morning for the day prior. Entities report at different times so you will see varying totals, but all sources used are consistent on a “same time” basis