

Slightly lower testing yesterday (~90,000) but a continued decline in the rate of new case growth in New York and all top 15 states. Strong drop as well in Washington state. This means the Rate of Growth of new cases has turned solidly negative (declining new case growth). Some positive developments on Serum Treatments, development of Antibody tests, and transmissibility studies. Last overall note; the majority of states are just really getting started on testing, so below the top 15 new case growth continues to rise.

Summary: New case growth rates declined for a third day. New York new case volumes fell back to the ~6,000 per day level as well. The rate of % positive test outcomes rose above 20% for the first time reflecting targeting testing on high risk cases and broader testing across the US. Hospitalization rates stayed flat and mortality rates declined .1% to 1.7%. Lockdowns continued to expand across many states.

Headlines:

- FDA approves Blood Serum therapy on Saturday for critically ill Covid-19 Patients - use began in Houston and New York yesterday. Blood Serum is recruited from recovered patients with Antibodies
- Research continues in the US on a simple Antibody test that confirms immunity to Covid-19
- As a path to getting healthy people out of Lock Down, Germany is looking to issue **"Immunity Certificates"** for immune individuals....look for this in the US as a method to move to a **Surveil & Contain** mode
- New Abbott Labs testing device that can return results in 5min to be shipped this week – FDA Approved these devices last week.
- WHO studies indicate:
 - Covid-19 cannot survive in ultraviolet light (sunlight)
 - Covid-19 is not likely to accumulate in infectious quantities on porous surfaces (cardboard, fabric, etc) and will not live more than 48-72 hours
 - New study suggest transmission thru the air in infectious quantities is unlikely beyond 3 Feet
- Total US testing declined slightly yesterday to ~90,000 tests. Testing expanded significantly in Vermont, Arizona & Utah. Many states with little testing to date have expanded testing → New Case Discovery in those states
- **New US Cases Growth – The Daily Rate of Growth in New Cases declined again yesterday for the 3rd day – Rates of Growth Turned Negative overall and in the top 15 states with most active testing**
 - **New York:** The growth in new cases declined by ~1,000 to 6,255 yesterday (*lowest level in 3 days*) and the rate of new case growth was negative for a 2nd day, the rate of growth has declined for 8 days.
 - **Top 12 States:** New case growth rates turned negative (-6%) for the first time yesterday. New cases of 8,496 was down yesterday from a high Saturday of 9,038
 - **US Totals:** The growth in new cases declined yesterday to 18%, down from a high of 39% last Sunday. The rate of growth also reached a three day low yesterday of 4%, down from 29% on Thursday

- **Washington State:** New cases declines sharply to 149 in total on strong testing volumes. The % testing positive remained flat 9%.
- **Hospitalization:** Rates held steady at roughly 14%, with ~19,000 Hospitalized cases,, up from ~17,000 on Saturday.
- **Mortality: declined slightly yesterday to 1.7% across the US.**
- **Positive Tests rates grew for the first time above 20%, and rose dramatically in NYC the last two day, despite declining new case volumes.**

Testing:

- Testing yesterday of ~90,000 tests, down from Saturday. We have conducted ~920,000 tests across the US to date.
- “Pending” tests dropped to zero on lower test volumes.
- Test volumes rose materially yesterday in Vermont, Arizona & Utah.
- The rate of positive outcomes rose sharply 6% to 22% from the prior day.

New/Active Cases

- ***The “Curve” has improved as the new case growth rate (14%) continued a SEVEN day decline across the US. The Rate of growth in New Cases turned negative for the first time (-5%) continuing a three day decline.***
- Total new cases grew 14% yesterday, or 18,469 cases, down from 19,452 the prior day. Largest decline in new cases was in New York.
- The daily growth rate of new cases turned negative for the first time -5% yesterday, down for the 3rd day from a high of 29% on Thursday.

Hospitalization

- The Hospitalization remained steady yesterday at 14% after rising steadily the last three days and up from 7.7% on Monday
- ***New York Hospitalization grew to 12,075 cases, up from 10,054 cases the prior day – New York total bed capacity is ~53,000, and ICU bed capacity is ~3,000***
- Total positive cases in hospital beds across the US yesterday was 19,839 up from 16,983 the prior day.
- ***Total US Hospital beds are ~925,000, Total US ICU Beds is ~100,000***

Recovery/Mortality

- The Mortality rate fell 0.1% to 1.7% nationally. Deaths totaled 2,484 across the US to date.