

An up and down week this week with testing volumes varying by ~30,000 every day. New tests have averaged ~145,000 per day this week, up modestly from ~120,000 average per day last week. Clearly no large growth in testing that is critical to emerging from our current lockdown measures. **Daily New Cases has averaged ~30,000 per day across the US over the last 5 days**, and this is **FLAT** to ~30,000 New Cases per day in the prior 5 day period. We have flattened the growth curve (active spread), but we also see new high growth areas emerging as prior high growth areas (*Washington, California New York*) have declined from peaks in spread and active cases. We have highlighted in the spreadsheet a number of States that are seeing larger rates of daily growth on a larger base of identified Active Cases (>2,000). These are: *Texas, Alabama, Maryland, Massachusetts, Mississippi, Pennsylvania, Arizona, Florida, Illinois, Georgia, Michigan*.

New Hospitalizations have remained relatively flat the past 5 days, while daily mortality has risen to new higher levels this week. No clear surge in hospital cases, but a daily influx of ~2,500 cases across the US. Highest levels of new hospitalizations are in: *Florida, New Jersey, South Carolina, Georgia, Massachusetts, Pennsylvania, Maryland, Michigan and Ohio*.

There is a good video interview of Bill Gates by CNBC that is worth watching and reflecting on as we all consider how we emerge from the current social/economic environment (*thanks Lisa*). Regardless of how you feel about Bill, it is a rational and balanced view of the situation and potential paths forward, absent any political leaning or hype.

(<https://www.cnbc.com/video/2020/04/09/watch-cnbc-full-interview-with-microsoft-co-founder-bill-gates-on-past-pandemic-warnings.html?source=sharebar%7Cemail&par=sharebar>)

Lets get to yesterday's #'s:

Headlines:

- New Daily Cases have fluctuated up/down every other day for the entire week, from as low as ~25K Sunday, to a high of ~33k Weds/Fri. The 5 day average this has been 30,700
- New Hospitalizations remained flat yesterday with ~2,400 new cases. Michigan began reporting yesterday with ~3,800 current cases. New Jersey had the highest new case count at 337.
- New Mortality declined slightly this yesterday to ~1,900.
- **New US Cases rose to ~33,000 cases yesterday on a decrease in testing volume, as % positive tests rose to prior levels of 24% yesterday**
 - **New York new cases rose yesterday to 10,333 up from 8,787 prior day,**
 - **Next 12 States new cases rose yesterday to 17,269, up from 16,213 prior day,**
 - **Remaining States new cases declined ~500, to 6,280.**
- **The Total Active Case Growth Rate in the US remained at ~6%. Flat for ~10 days**
- **Recovered cases grew to 15,624. Recovered cases were 47% of all new cases yesterday.**
- **Total Recovered Cases to date rose to ~98,000, or ~20% of Total Cases to date**

- Testing volumes declined yesterday to 138,418 tests, down ~30,000 tests from prior day.
 - *Testing expanded significantly yesterday in: Florida, North Carolina, Texas, Arizona, Massachusetts, Kentucky,*
 - *Pending tests rose to ~17,000, nearly all in California and Florida.*
- New Hospitalizations rose yesterday by ~2,400 cases across the US for those states reporting, flat from prior day,
 - *New Hospitalizations in New York declined yesterday, with 200 new cases. Total current New York hospitalizations was 18,279 yesterday,*
- *Total hospitalized cases reported yesterday was 46,682, with Michigan now reporting daily*
- Mortality increased yesterday by 0.2% to 4.1% of total active cases . Total Mortality yesterday down slightly 1,900 with ~1,000 in New York and New Jersey

Testing:

- Testing yesterday of 138,418 tests, down ~30,000 tests from prior day.
- Positive Test outcomes rose 5% to 24% of total tests yesterday on lower test volumes,
 - *States with % positive > 40% were: Indiana, New Jersey, New York, Connecticut, another 8 states had rates above 20%*
- We have conducted 2,390,119 tests across the US to date.

New/Active Cases

- ***Total US active case grew by 6% again yesterday***
- ***New York total active cases grew by 6%, up 1% from prior day.***
- ***Top 12 States total active cases grew by 6%, down 1% from prior day,***
- ***all remaining States total active cases grew by 6%, down 2% from prior day,***
- Total Active Cases was 403,752 yesterday and grew 6% from prior day,
- Daily Resolved/Recovered Cases grew to 15,624 yesterday or 47% of total daily new cases,
- ***Total Recovered Cases yesterday was 98,013. Recovered Cases rose to 23% of Total US COVID-19 Cases to date.***

Hospitalization

- ***Total current cases reported in hospital beds across the US yesterday was 46,682, up 2,417 for states reporting.***
- ***Michigan began reporting hospitalizations yesterday with 3,826 cases to date.***
- *Total US Hospital beds are ~925,000, Total US ICU Beds is ~100,000,*
- New York rose at the lowest level to date, ~200 new cases. Current hospitalized cases yesterday was 18,279, from 18,079 prior day,
- New York total bed capacity is ~53,000, ICU bed capacity is ~3,000.

Recovery/Mortality

- Daily US Mortality rose to 1,940, from 1,970, prior day. Deaths totaled 16,691 across the US to date. Expect this to continue to grow as hospitalizations reach a peak in the coming week.
 - New York has the highest daily mortality of 799

- New Jersey had daily mortality of 196,
- Top 12 States daily mortality was 782, with all remaining states at 319