

Well, after a few encouraging days in the growth of new cases national and in Washington State (our Index State), the numbers from yesterday are not good. Across the US we have material rises in the new case growth rates, the rate of hospitalizations, and unfortunately a large new positive case number in Washington state. The only positive trend is in testing, as testing volumes grew to 126,000 and Labs did manage to process the backlog and “Pending” tests dropped to ~7,500. A positive sign on the ~40,000 new tests completed in California, only 900 of these, or 4%, were positive.

To better understand the daily changes and key information, We have added Hospitalization metrics to the Case Summary – Data sheet, and at the top of the sheet are summary totals for New York, Next 12 States and All Other States. The Testing Summary – Data sheet also tracks “Pending” Tests daily.

**Summary:** As many friends have suggested and we should all expect, we are going to see a rise in cases as testing volumes grow. While the % of positive test outcomes remains low in total (~14%), as we grow testing we will continue to grow new cases at a faster rate. Much of the testing volume growth is also in states that have done little or no testing to date (see chart below/spreadsheets). So we need to be prepared to see New Case growth rates rise over coming days until the impact of our lockdown measures take place. This is going to create some crises situations in hospitals (NYC).

***Bottom Line – despite a few encouraging days as we all begin to better understand the shape of this, the numbers are likely to get worse before they get better – Stay Calm – Stay Home – Wash Hands – Let’s Get Thru This***

#### Headlines:

- Testing yesterday exceeded 126,000 up 25% from Wednesday (105,000). Most of this growth came in the most affected states: New York, New Jersey, Michigan, Florida, Louisiana, Pennsylvania
- New US cases increased dramatically by 29%, or 17,244 cases, up from 20% and 13,355 cases on Wednesday. Total Active daily case growth declined 1% again, from 24% to 23% as recoveries grow.
- **Washington State**
  - had significant growth in new cases from 119 to 619. A troubling sign.
  - They have doubled daily test volume from ~3,000 per day to ~6000 per day. And the % of positive outcomes is only 4%
  - We should have seen this in the testing volumes as they processed very few tests on Tuesday, none on Wednesday and then got a large volume back yesterday (*our bad on not seeing this in the testing volumes, media didn’t catch it either*).
  - If the new cases reported yesterday are appropriately spread across the last two days, we don’t have an alarming rise in the growth rate, but it is not the decline we had reported (or hoped for)
- **New York**
  - Test volumes rose 50%, to 18,000+ yesterday and higher testing volume resulted in only 6,011 new cases, down 500 from the prior day.
  - % of tests with positive outcomes also dropped to from 42% to 35%
- **Mortality yesterday was 1.5% across the US.** Hospitalization rates grew 3% yesterday to 12.7%.
- **Positive Tests rates rose yesterday to 14%** of total tests across the US, back at the average levels we have seen the past 5 days

- **The rate of growth in new cases rose yesterday increased 9% to 29%. The wrong direction but likely reflects the surge in testing over the past two days.**

#### Testing:

- **Testing volume was up again substantially yesterday to 126,000+ new tests, so volumes continue to expand.** We have conducted ~600,000 tests across the US to date.
- We are now tracking “Pending” tests in the summary sheet, these were down to ~8,000 yesterday of the 126K tests performed, so labs are catching up.
- Test volumes rose in hard hit states yesterday: New York, New Jersey, Michigan, Florida, Louisiana, Pennsylvania, without material rise in % positive outcomes. Positive outcome rates declined in New York
- California has completed ~40,000 new tests over the past two days with only 900 positive, or 4% of total test resulting in positives
- The rate of new positive cases in total rose yesterday, back to prior levels of **14% of total tests**.

#### New/Active Cases

- Total New case growth rose yesterday to 29% or 17,244 cases, up from 20% and 13,355 cases the day prior,
- We now have a rising rate of new case growth for the past two days, in step with the growth in test volumes, as test volumes growth we should be prepared for higher growth rates in days to come.
- 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 had a spike in new cases and their case grow growth rate yesterday as testing results were processed from the prior two days.

#### Hospitalization

- The Hospitalization rate has been rising steadily the last three days, yesterday's Hospitalization rate was 12.7%, up from 7.7% on Monday
- **New York had 60% of the total Hospitalization at 6,844 cases, this was nearly double the cases on Wednesday of 3,805 – New York total bed capacity is ~53,000, and ICU bed capacity is ~3,000**
- Total positive cases in hospital beds yesterday was 10,459
- **Total US Hospital beds are ~925,000, Total US ICU Beds is ~100,000**

#### Recovery/Mortality

- The Mortality rate has remained stable at ~1.5%.
- Hospitalization rates grew modestly yesterday to 12.7% yesterday, up from 7.7%. Total hospitalized cases grew from 3,378 on Monday to 10459 yesterday - 60% of these in New York