

Well, it has finally happened! After anticipating higher testing volumes on new capacity, supplies and technology, **testing grew yesterday by 2.5X to 373,000 daily tests** (confirmed by three sources). As impactful, **% Positive Outcomes dropped 60% to 9%** on this expanded testing volume, indicating a dropping active infection rate/spread. Testing grew materially in 15 states yesterday lead by California. Many states have announced expanded testing infrastructure in the last two days as part of reopening plans and it appears this is being put in place. Testing expanded in the hardest hit states yesterday, including: *New York, California, Massachusetts, Michigan, Florida, New Jersey, Georgia, Pennsylvania.*

Hospitalizations have also remained flat and there is no indication of a surge in anyway as the trend in New Hospitalizations has been downward for 18 days. 85% of all Hospitalized Cases remain in 15 States, 30% in New York and New Jersey. These 15 States have an average of 4,000 total cases, the remaining **36 States have 300 Total Hospitalized cases on average** with a **total of 2,200 Active Cases Statewide**, on average.

We also have increasing evidence that the outbreak began much earlier than thought and the spread was much wider, with a large number of asymptomatic/mild cases. This evidence is emerging in New York, New Jersey and California where roughly half of total tested cases have been found to date. ***This would mean the virus is much less deadly than previously thought with a substantially lower Hospitalization Rate and Mortality Rate, as low as .1%***

COVID-19 Severity & Impact

We have learned a lot in the last 3 months. We began with a virus that spread rapidly (*more rapid than we thought it now appears*) and had severe respiratory impact for the very ill with high mortality in that group. This was well beyond prior viruses and the severity in critical cases much beyond what we have seen in the Flu annually. Rightly we took action. We now know much more, and after extreme measures to control spread are balancing the direct health impact of the virus with the indirect health and economic cost of the shutdown. What we know today:

Severity

- *Growth of the virus has flattened across the US as a result of actions/lockdown,*
- *The majority of US states have fewer than a few thousand active cases and a few hundred current hospitalizations,*
- **95%+ of total Mortality from the virus is confined to individuals with underlying conditions** (a good volume of New York and National data confirm this)
- **Under 18 years of age the Hospitalization/Mortality Rate is .01%,**
- **18 to 45 years old the Hospitalization/Mortality Rate is .1%,**
- **For ages 45 to 75 - 2% - of cases resulted in Hospitalizations as a result of underlying conditions in those cases,**
- *We have a constrained and know at risk population of individuals with underlying conditions that are 60 years of age and older*

Impact

- *As of yesterday there are 26,000,000 (26 Million) newly unemployed Americans, **1 in every 6 working adults is now unemployed,***
- *This is expected to rise to 30 Million in the coming few weeks, or **20% of the US workforce will be unemployed,***
- *This is the largest surge in unemployment since the great depression,*
- *Many small businesses, and a few large, will not recover despite loans/support,*
- *Many Cities across the US, and many States are now contemplating bankruptcy,*
- *The federal government is quickly writing large checks, but **the resulting National Debt may take generations to erase***

The virus to date has resulted in combined Hospitalizations and Mortality of ~150,000 across the US that we must balance with 30 Million unemployed individuals and households. We face significant ethical, moral and economic decisions right now. We had to take action and we have. The question now is what steps do we take next and what will be the tradeoffs in both overall health, healthcare and economic impacts of the course of the virus and the path for 30 Million unemployed individual, families and children, most of which with limited means or safety net.

Let's get to yesterday's #'s:

Highlights:

- New Daily Cases rose yesterday to ~29,800, up from ~25,700 prior day on higher testing volumes. 75% of new cases were in New York, Illinois, Connecticut,
 - *6 States had all of the new case total, with over 200 new cases each, led by New York, Illinois, Connecticut*
 - *5 States had more than 100 new cases, after the top 6, large one day increases in cases in; Georgia, Pennsylvania, Wisconsin, Missouri and North Carolina,*
 - *Remaining 40 states had declining new case volumes with an average decline of 20 new cases per state from prior day.*
- New Hospitalizations grew yesterday by ~500 cases
 - *New Hospitalizations New York and New Jersey declined yesterday by ~500 cases.*
- New Mortality remained flat yesterday at 2,325 from 2,341 prior day, ~1,900 of these were in 8 States/High Population Density areas
 - *15 States had new mortality of 100 or less yesterday*
 - *30 States had new mortality of 10 or less yesterday*
- Total Active US Cases were ~520,318 yesterday, **total active cases grew** by 1% yesterday.
- **Testing rose by ~215,000 to ~370,000 tests.** % of tests with positive outcomes declined significantly on the new volume to 9%, down from 18% yesterday on the higher testing volumes.

Recovered Cases yesterday were ~26,000 or 83% of new cases – Total Recovered Cases to date were ~360,000, or 41% of Total Cases identified to Date yesterday