

Better news as we close the week with a lot going on as all our efforts continue to show impact. Importantly, Hospitalizations declined yesterday by ~1,300 cases yesterday across the US led by New York, Michigan, New Jersey where current Hospitalizations declined by ~1,700 cases. Other Hot Spot/High Density areas had Hospitalization increases, including Georgia, Florida, Colorado, all with over 100 new Hospitalizations. Mortality also declined materially yesterday to ~2,000, the lowest one day total since Monday (*see charts below*). Daily New Cases expanded by about 20% as we closed the week on testing levels that doubled from the start of the week thru yesterday. *We will be watching testing next week as States continue with plans to Test, Track, Isolate as a strategy to reopen.*

As we each look at the situation for our families, loved ones and friends, we have included data today from California from a good CA tracking site provided by the LA times (*link below*), that outlines the distribution of cases, hospitalization by county. (*see charts below*). This provides some reference/perspective on the concentration and risk of the virus as it is similar to many states with high population density counties/cities. This shows what we see in most states; ***the virus concentration, hospitalizations and mortality are primarily in the high population density areas.*** Most counties in the US have very low concentrations of the virus and very low hospital utilization. This is helpful as we consider our actions in any re-opening or resumption of a more "normal" life. We ***MUST*** continue to practice safe measures and take extra precautions with those with underlying conditions as we move about our communities to keep risk low. High population density areas will need to take extra measures/steps to prevent a resurgence (increased testing/tracking/quarantine), in those areas, it appears antibodies are present much more broadly, but it is not clear how this protects and individual from future exposure or re-infection. There are still not sufficient testing or tracking processes in place.....lets see what develops next week.

Note: *No detailed update tomorrow - Sunday*

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

Headlines:

- Studies are now showing potentially much higher infection rates for the Virus and much earlier spread, with large positive antibody populations,
 - *20% or more of residents of high density population areas may have been infected several credible studies are now showing,*
 - *This suggests a much lower severity rate, hospitalization rate and mortality rate as many infected had mild or no symptoms,*
 - *No indication yet of the impact of Anti-bodies on infection/re-infection rates,*
 - *Hospitalization and mortality data continue to show a low risk to those under 60 years of age with no underlying conditions, 98%+ of these cases resolved at home with no medical intervention.*
- New Daily Cases rose yesterday to ~38,400, up from ~31,100 prior day on higher testing volumes. The majority of new cases were in high population density counties/areas

- New Hospitalizations declined yesterday by ~1,300 yesterday as Total US Hospitalizations declined, following a 20 day declining trend,
 - *We have effectively avoided the surge in Hospitalizations that had been modelled in worst case scenarios of virus spread bringing needed relief to Healthcare workers in total,*
 - *Many states had built contingency bed capacity plans and this capacity remains in place,*
 - **Current Hospitalizations in New York, New Jersey Michigan had material declines of ~2,100 cases yesterday.**
- New Mortality dropped yesterday to 1,950 from 2,325 prior day, >50% (1,062)of these were in 5 States; New York, New Jersey and Massachusetts, Connecticut, Colorado,
 - 7 states had mortality >100 yesterday, 5 States 50 to 100, 13 States 10 – 50, 26 States 0 to 10
 - *Average US, excluding the top 7 states was 15.*
- Testing rose to~250,000 yesterday from an average of ~150,000 tests at the start of the week,
 - *% of tests with positive outcomes declined to ~12% as we closed the week on these higher volumes from ~19% as we began the week,*
 - *Expanded testing took place across 17 states, many with higher population densities and case volumes, California has made the strongest gains,*
 - *Massachusetts, Florida, Texas, Illinois, New York, New Jersey, Georgia, Pennsylvania, Michigan, are among states with expanded testing volumes,*
 - *In States with expanded testing %, positive rates have declined by ~50% on the higher volumes, which we had not seen several weeks ago*
 - **Total testing to date is now ~4.94 Million across the US**
- Total Active US Cases is now ~531,850 yesterday, **total active cases grew** by 2.2% yesterday on higher testing volume.
- **Recovered Cases yesterday were ~24,800 or 70% of new cases – Total Recovered Cases to date were ~386,000, or 42% of Total Cases to Date yesterday**