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Resilience Report

Brief insights and the latest innovations in emergency management and health security.

Temperatures are high and the Delta variant concern is rising but communities are coming together to spread public health awareness and celebrate our country's Independence. This week on Resilience Report we gear up to celebrate the 4th of July safely by taking stock of what's currently known about vaccine effectiveness, talking about climate change impacts around the U.S., and finding ways to cool off (i.e., ice cream and watching our finned friends).



Tuskegee and Vaccine Hesitancy

The Tuskegee experiment created enduring mistrust between the medical system and Black American communities, contributing to health disparities in the pandemic. Now, relatives of those involved in the Tuskegee experiment are [promoting the COVID-19 vaccine in an ad campaign](#) to help their communities get vaccinated.

Voluntary Mask Guidance

As scientists learn more about the Delta variant, government officials are taking [precautionary action](#) to curb COVID-19 transmission. L.A. County officials are encouraging [masks to be worn indoors](#), even for fully vaccinated individuals.

Heat Waves, Lava Fire, and Fireworks

With the Pacific Northwest enduring record-breaking temperatures and [a lava fire](#) exploding in Northern California, officials are urging people to refrain from [illegal fireworks](#) due to high fire danger this weekend.

Coastal Vulnerability and the Miami Condo Rescue Operation

Our thoughts are with those impacted by the tragic [Miami Florida condo building](#) collapse last week as search operations continue. The structural risks of that building and others highlights that sinking land and rising sea levels are a major concern for [coastal communities](#) globally.



SPECIAL HIGHLIGHT: VACCINE RUNDOWN

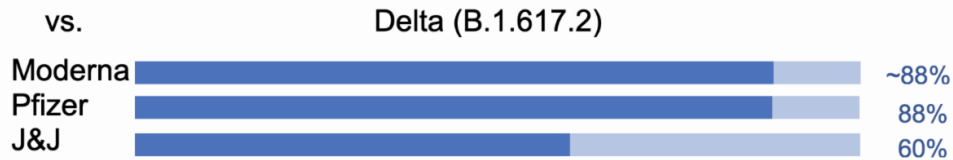
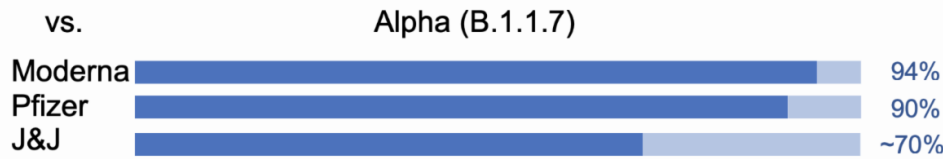
Every week, we'll dedicate space for a hot topic that we think is especially important for emergency managers to read. As the Delta variant and others pose a growing threat to the world, the question grows: Are the vaccines as effective against the variants as they are for the original strain?

Resources to keep up-to-date on variants and vaccines

- The [CDC COVID-19 Tracker](#) is keeping a close eye on the estimated proportions of infection within the U.S. are due to different variants.
- Wondering what vaccines are available and how they stand up against each other? Check out the Lancet's [COVID-19 Vaccine Tracker](#).
- Vaccine efficacy is a hot topic but hard to track since studies of effectiveness cannot control for the variants participants are exposed to in the real world. Good sources to watch for updates include: [NPR Health](#); WHO COVID-19 [vaccine tracker and landscape](#); [Johns Hopkins](#) coronavirus resource center

What's the score?

Just how effective each vaccine is at protecting against COVID-19 and its variants is still being determined. Some studies provide percentages for the efficacy of the vaccines after tracking vaccinated individuals over time, while others use lab results on [neutralizing antibody titers](#). So, the answer of effective each vaccine is against each variant is “it depends” and “we’re still figuring it out.” But the following are current estimates of how protective scientists THINK each vaccine is against the concerning variants in the U.S. Since the research is ongoing, the score is likely to keep changing with more evidence and time.



Note: These numbers are current estimates of level protection against symptomatic disease but can change/differ depending on the conditions of the study, outcome being measured (protection from symptomatic disease, severe disease, infection), context in which it's conducted (location, variant exposure, non-human research, etc.). These numbers come from [NBC](#), [NPR](#), [Business Wire](#), [Beckers Hospital Review](#), [Business Insider](#), [NPR Health](#), [FDA](#), and [Fox News](#).

Shoot our resident epidemiologist and public health experts an [email](#) to learn more!



Fourth of July

This weekend you can safely celebrate from the [comfort of your home](#) or attend [some events](#) occurring in Southern California! Learn more about the different sides of history for Independence day [here](#) and [here](#).

SharkFest 2021

This summer sharks are planning some-fin with National Geographic. On July 5th, six weeks of [fantastic content](#) will be available to you to learn more about these jawsome predators and their role in the ecosystem.

National Ice Cream Month

Cool off this summer with ice cream! Check out [this list](#) for some local ice cream shops in L.A. or [this one](#) for ice cream in every state.



We're Here to Support You

If you need help with ARPA projects, COVID-19 AARs, or anything in between, shoot us an email at susie@constantassociates.com. We are here to help.

CONSTANT is certified as an 8(a) and Economically Disadvantaged Woman Owned Business (EDWOSB) and as a Great Place To Work. We are an Equal Opportunity Employer.

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