

A healthcare worker in full PPE (blue gown, face shield, sunglasses, and gloves) is interacting with a child wearing a colorful mask. The worker is holding a small object, possibly a vaccine vial, and the child is looking at it. The background shows an outdoor setting with a fence and a building.

City Council Presentation on Vaccine Mandates

Kelly Colopy, Director

Dr. Anissa Davis, City Health Officer

City Council Meeting – August 24, 2021

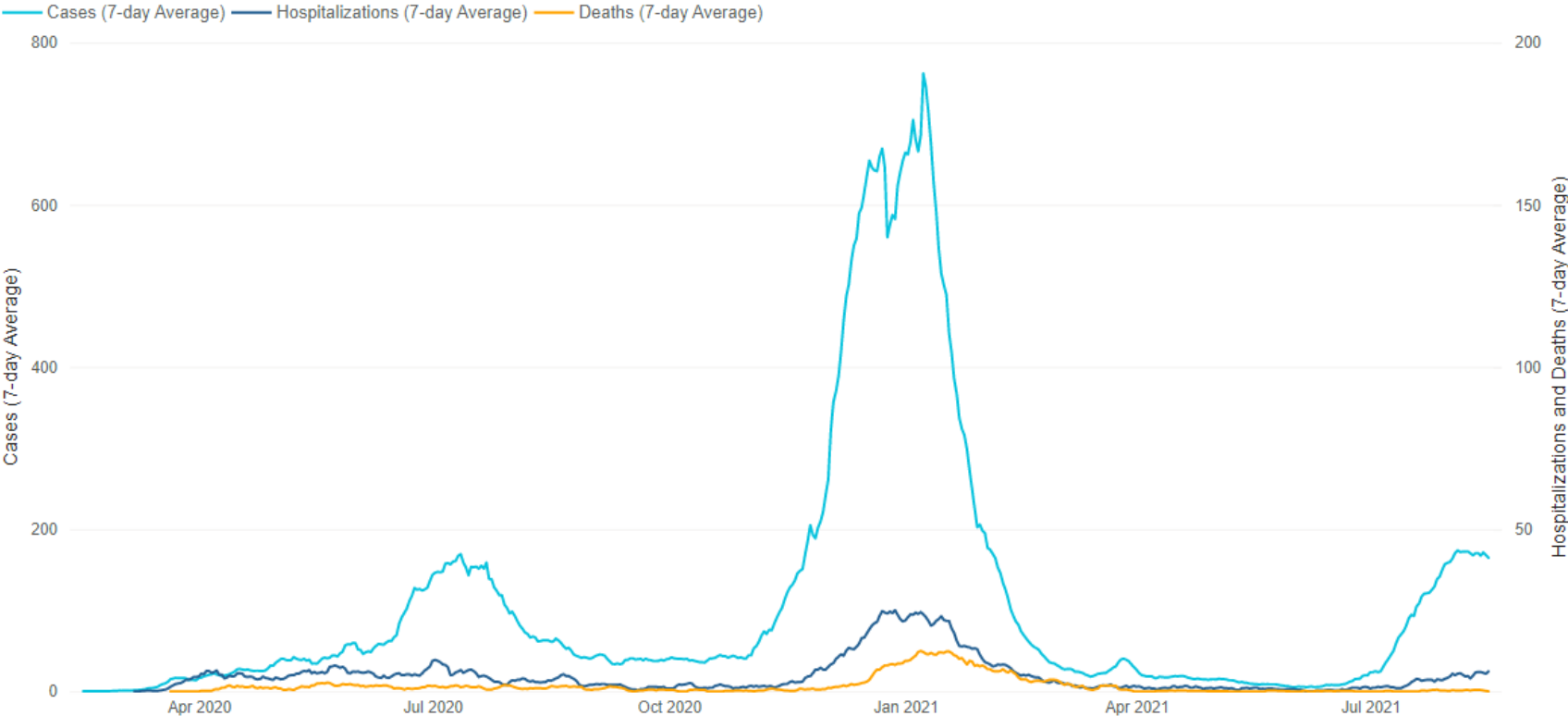
Leading the Way in Vaccinations and Masking

- One of the first health jurisdictions to begin vaccinating first responders.
- The first health jurisdiction to expand eligibility and begin vaccinating food workers, educators, 65+, and those with underlying medical conditions.
- One of the largest mass vaccination sites in the state serving up to 6,000 people a day.
- One of the first health jurisdictions to offer mobile/in-home testing and vaccination.
- One of the first municipalities to move toward vaccine verification and testing mandate for City employees.
- One of the first school districts, community colleges and universities to require employees to get vaccinated or test regularly.
- One of the first health jurisdictions to implement the indoor masking requirement and masking at outdoor mega events.

Current Data

Cases, Hospitalizations, Deaths

Daily Average Cases, Hospitalizations and Deaths in Long Beach, CA

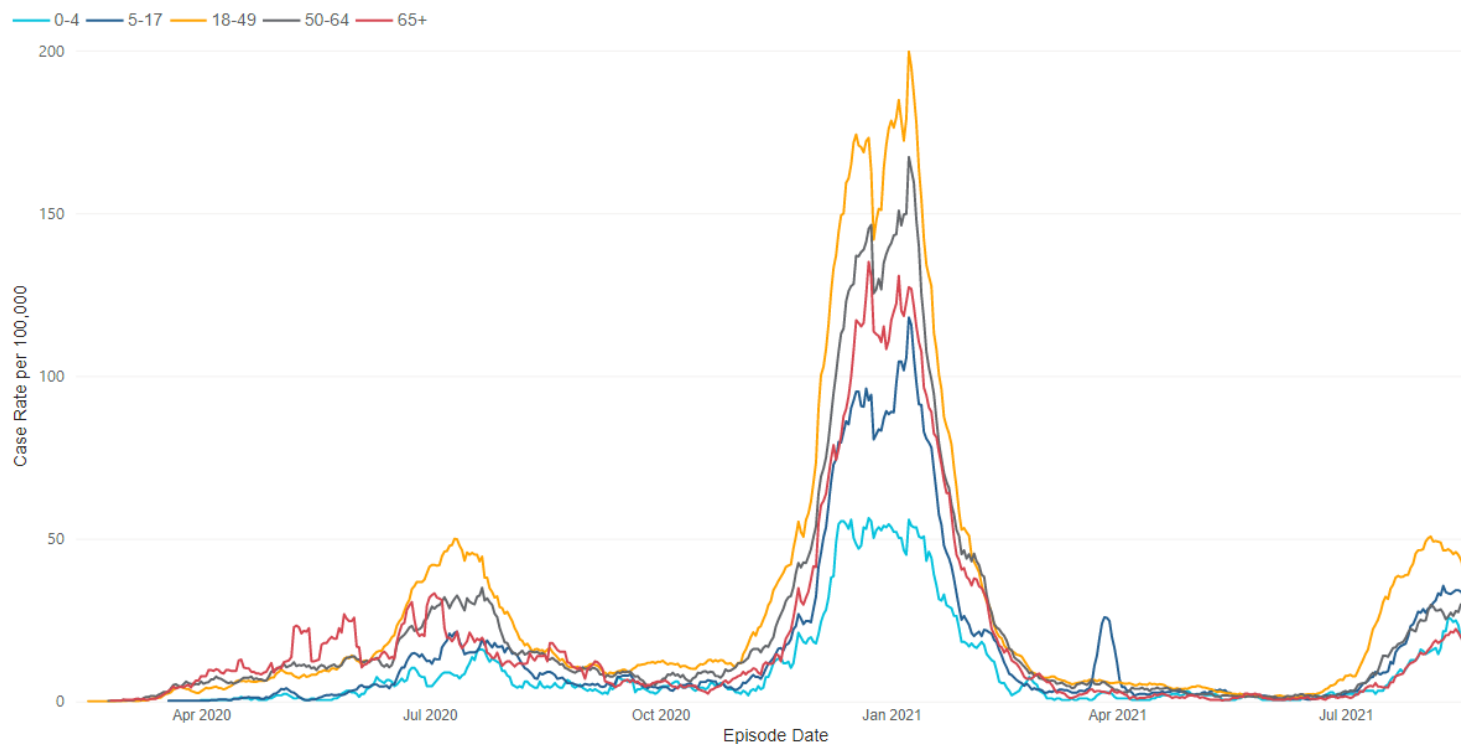


Daily Average Counts
(as of 8/16)
Cases: 164.7
Hospitalizations: 6.29
Deaths: 0.14

State of COVID-19 Locally

- Cases have been rising since June
- 93% of sequenced infections in LB in July were Delta variant
- Current Case Rate = 24.1/100,000
 - Similar to Feb 10, 2021
 - Current positivity rate = 7.1%
 - Similar to Feb 9, 2021
- 18-49 currently has highest case rate
- LAC Case Rate = 28.3/100,000
- LAC Positivity Rate= 3.5%

COVID-19 Case Rate per 100,000 by Age



Cases, Hospitalizations, and Deaths by Race and Ethnicity

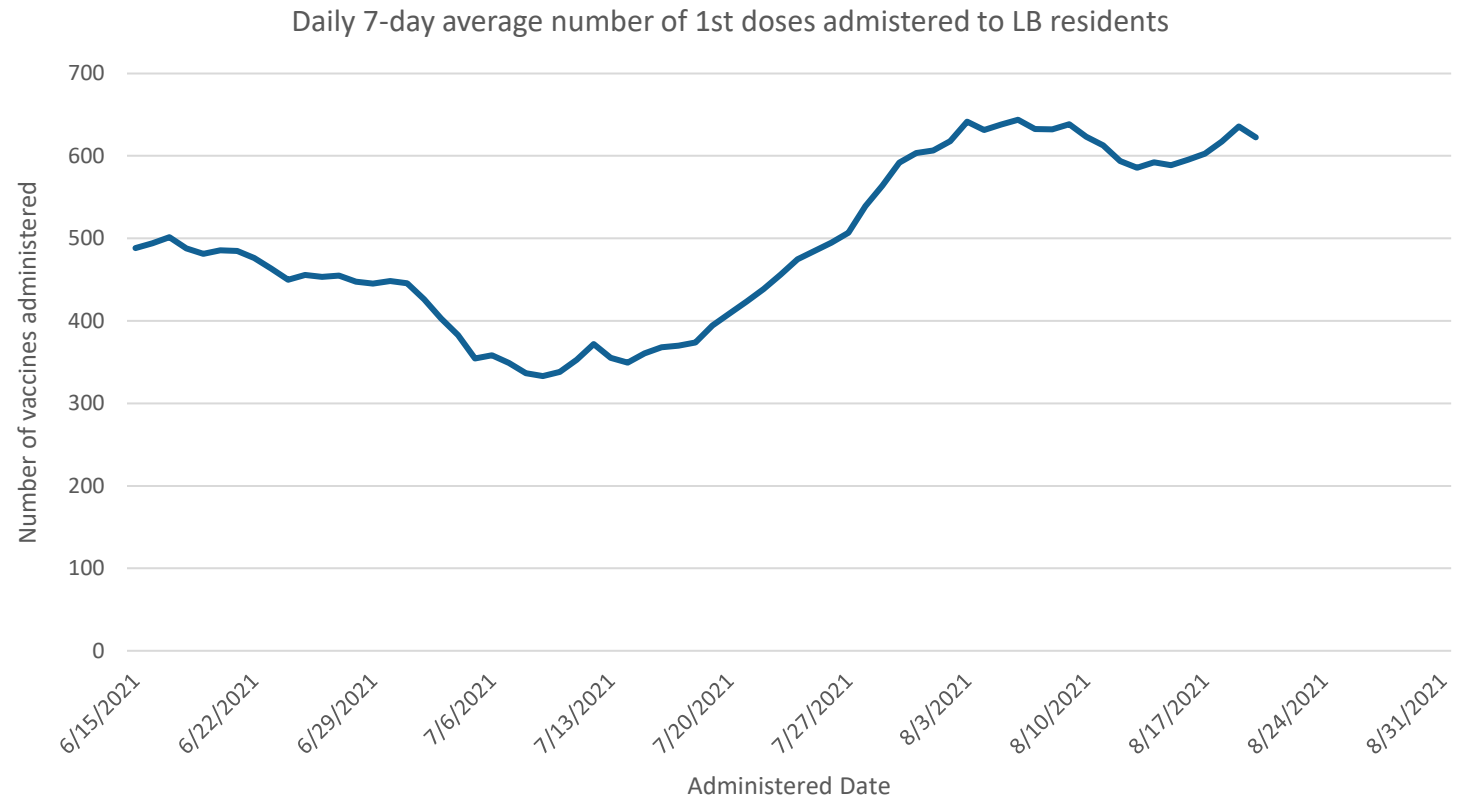
Table 1: Rate Ratio by Race/Ethnicity Compared to Whites

Race/Ethnicity	Cases	Hospitalizations	Deaths
Native Hawaiian or Other Pacific Islander	4.2x	9.2x	7.3x
Hispanic or Latino	2.5x	3.6x	3.5x
Black or African American	1.5x	2.6x	2.2x
Asian	1.2x	1.9x	1.7x

Increase in newly vaccinated LB residents since July 15

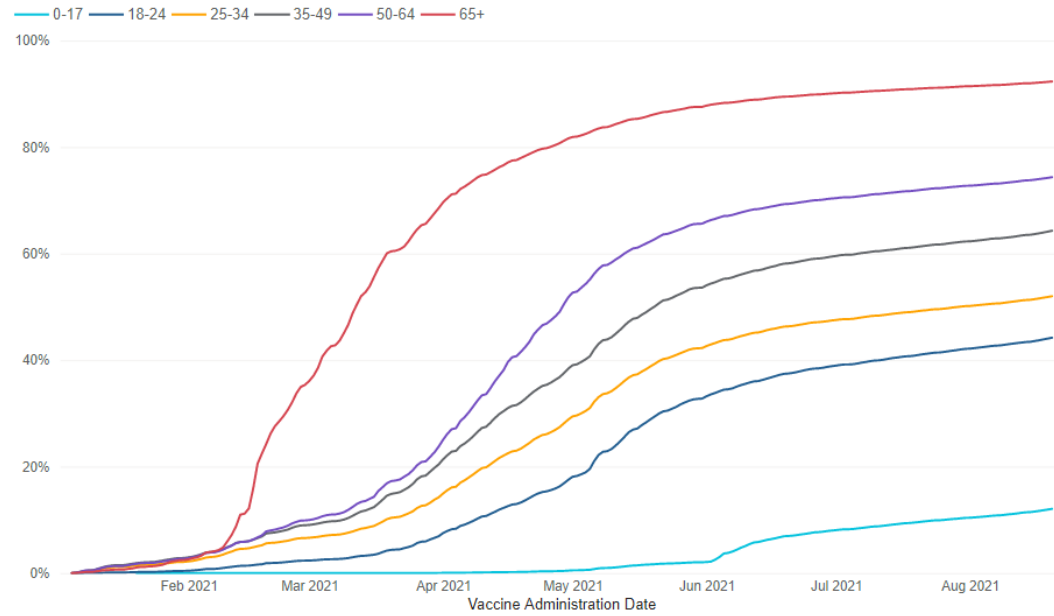
Daily average is now 622 residents - a 72% increase since July 15.

- **76%** 18+ with at least 1 dose
- **65%** 18+ fully vaccinated
- **73%** 12+ with at least 1 dose
- **63%** 12+ fully vaccinated

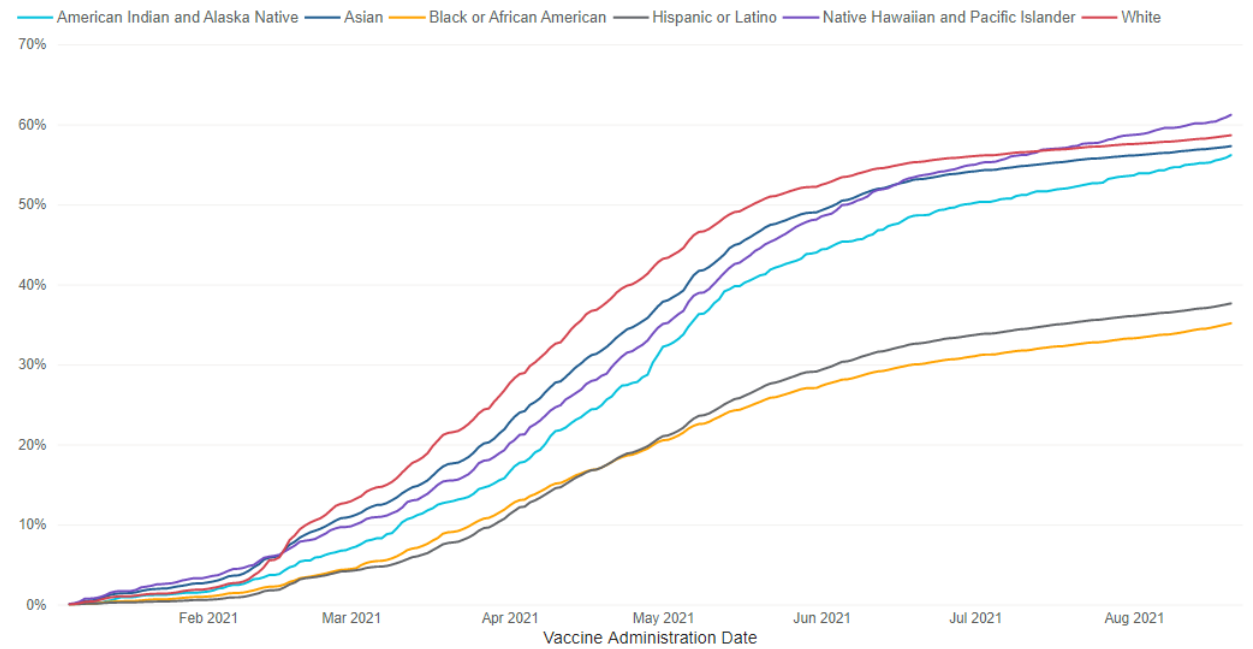


Vaccination Rates by Race/Ethnicity and Age

Cumulative Percent of Fully Vaccinated Individuals by Age



Cumulative Percent of Fully Vaccinated Individuals by Race/Ethnicity

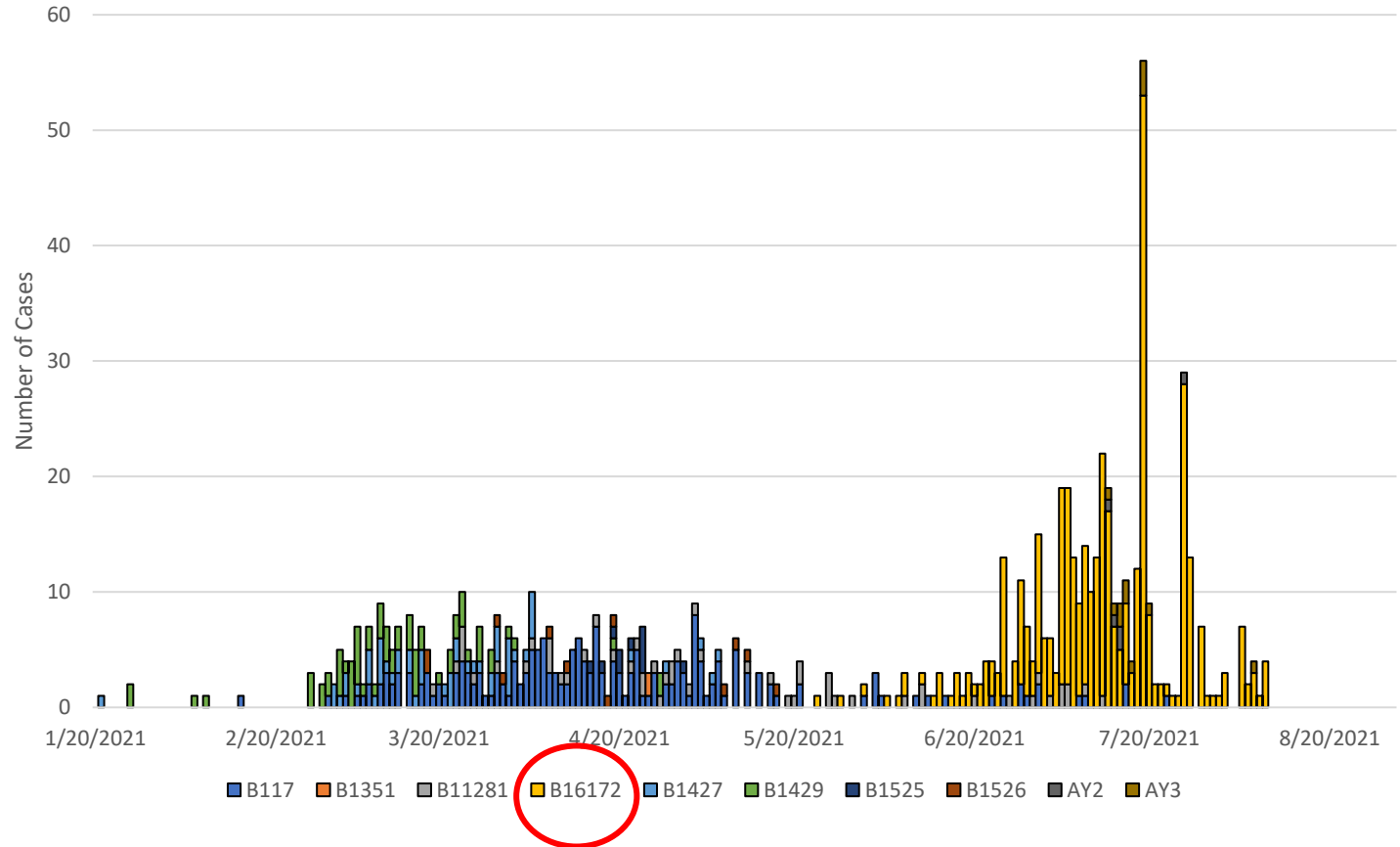


Post-Vaccination Infections and Variants

Post-Vaccine Infection

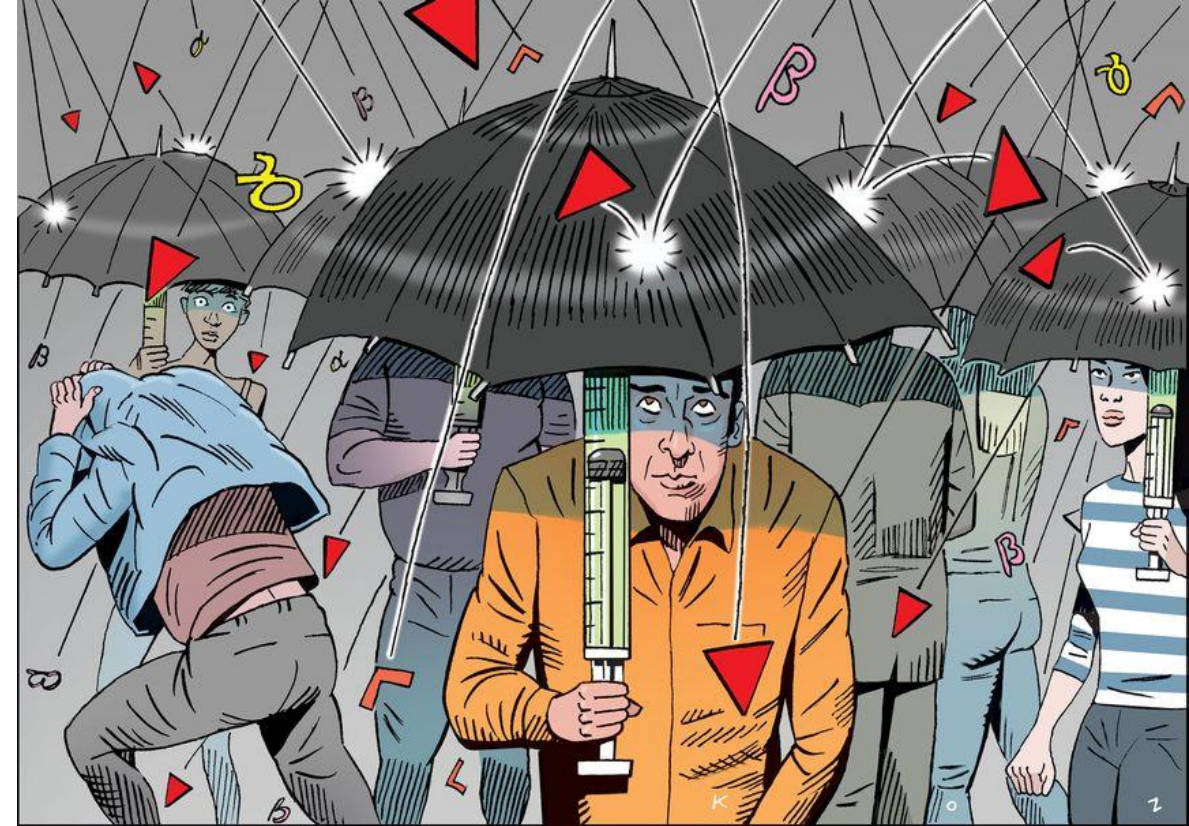
- **0.34%** of vaccinated persons have had a post-vaccine COVID-19 infection
- **0.014%** of vaccinated persons have been hospitalized due to COVID-related symptoms
- **0.0008%** of vaccinated persons have died due to COVID-19

Variants of Concern and Interest, Long Beach



Vaccine Effectiveness

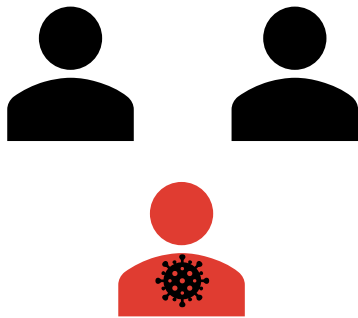
- 3 vaccines that are safe & highly effective at preventing severe disease
- Greater than 80% effective at preventing infection
- Greater than 90% effective at preventing hospitalization and death
- 62.8% of LB 12+ population is fully vaccinated



<https://www.wsj.com/articles/delta-variant-hospitalizations-covid-coronavirus-vaccine-immunity-11626374706>

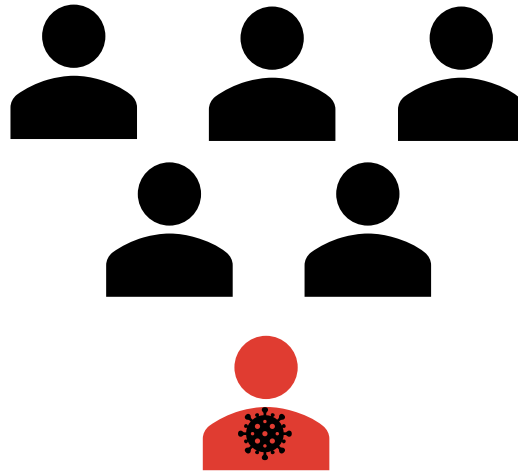
Delta Variant Much More Contagious

Original SARS-CoV-2 virus



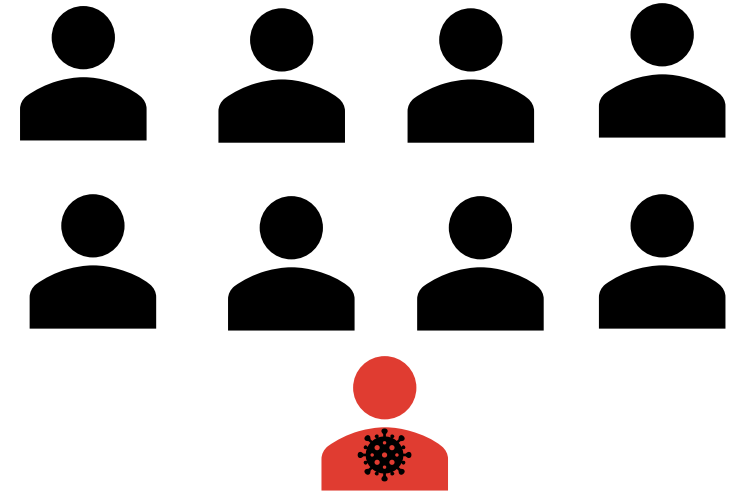
2.4 - 2.6

SARS-CoV-2 Alpha



4-5

SARS-CoV-2 Delta



5-8

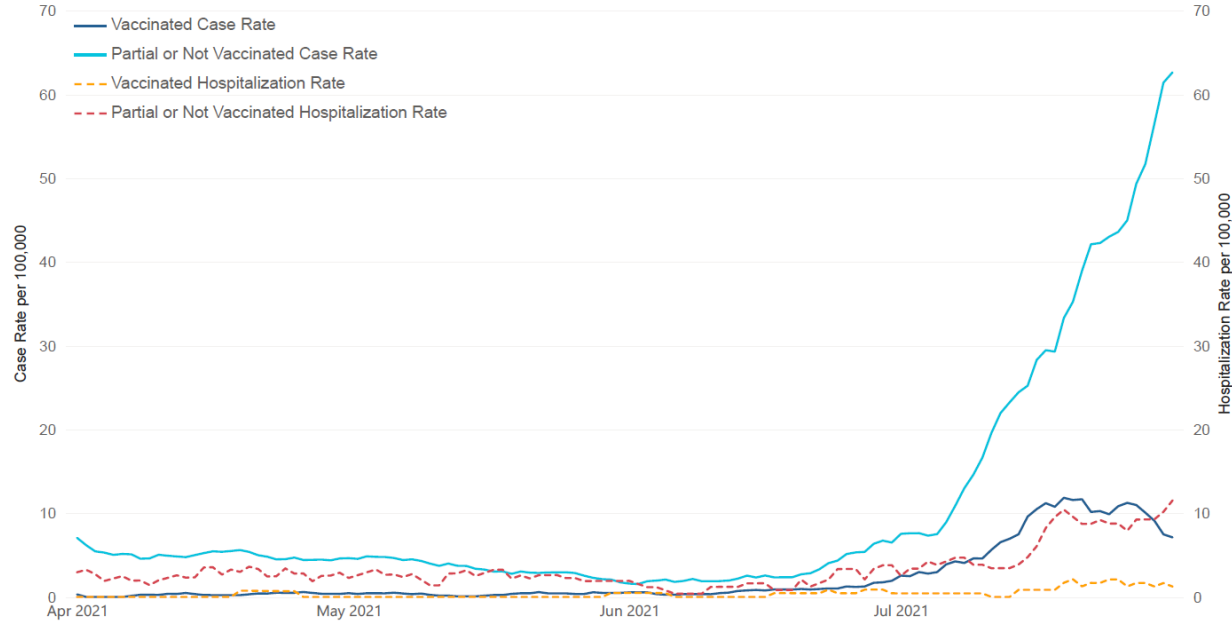
Delta variant more formidable than the original (wildtype) virus

- Delta spreads more than twice as easily than previous variants.
- New data show that people infected with Delta have higher viral loads than with previous variants.
- Fully vaccinated people infected with the Delta variant may be infectious.
- High vaccination coverage will reduce spread of the virus and help prevent new variants from emerging.
- As overall cases increase and proportion of population vaccinated increases, expect to see more breakthrough cases.

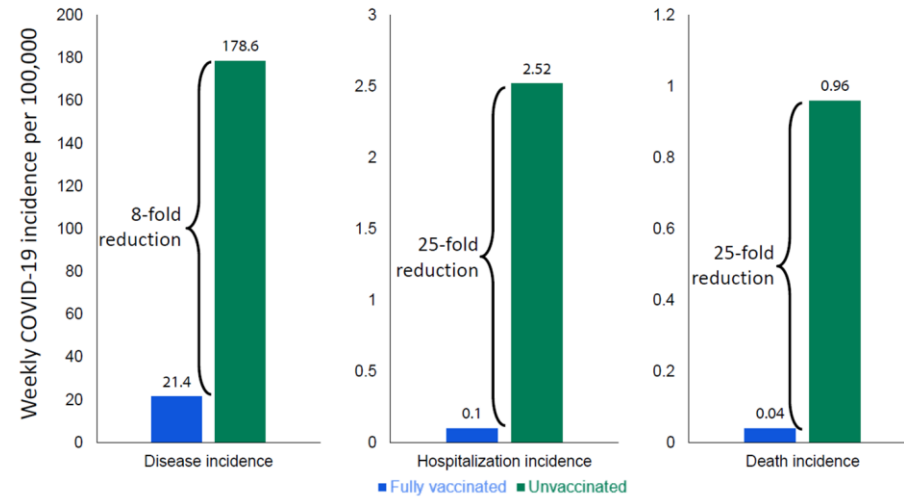
- COVID-19 vaccines continue to be effective
- Most breakthrough infections are mild
- COVID-19 vaccine prevents severe illness, hospitalizations, and death from Delta. ***Vaccines are working as expected.***

Vaccines Are Effective

Daily Average Case Rate and Seven-day Cumulative Hospitalization Rate by Vaccination Status (as of July 31)



Greater risk of disease, hospitalization and death among unvaccinated vs. vaccinated people: National estimates



At current incidence, 35,000 symptomatic infections per week among 162 million vaccinated Americans

Data from COVID Tracker as of July 24, 2021. Average incidence 100 cases per 100,000 persons per week. Vaccine effectiveness against symptomatic illness = 88% (Lopez Bernal et al. [NEJM 2021](#)), where risk is $[1 - VE]$ or 12%. Vaccine effectiveness hospitalization (or death) = 96% (Stowe et al. [PHE preprint](#)), where risk is $[1 - VE]$ or 4%. Rate in unvaccinated = Community rate / ((1 - fully vaccinated coverage) + (1 - VE) * fully vaccinated coverage). Rate in fully vaccinated = (1 - VE) * Rate in unvaccinated. Fully vaccinated coverage proportions were from COVID Data Tracker as of July 24, 2021 (50% for US).

Data Summary

- All vaccines work to reduce infections, hospitalizations and deaths, even against the Delta variant
- The biggest reduction is in hospitalizations and deaths
- We are seeing cases in fully vaccinated people
 - This is because there are a lot of fully vaccinated people out there but it's very low (.35% of all fully vaccinated)
 - There is a lot of virus out there
 - The vaccine is not 100% effective at preventing infections

Vaccine Related Health Orders

July 26 State Public Health Order

Required:

- All facilities must verify vaccination status
- All facilities must test unvaccinated workers regularly
- Must wear surgical masks

Applies to:

- Acute Care Hospitals
- Long Term Care Facilities

Other Health Care Settings include but not limited to:

- Doctor's Offices
- Acute Psychiatric Hospitals
- Substance Use Treatment Centers

High Risk Congregate Settings

- Homeless Shelters
- Adult and Senior Day Facilities
- Correctional and Detention Centers

August 5 State Public Health Order

Required:

- All healthcare workers must receive their first dose of a one-dose regimen or their second dose of a two-dose regimen of Covid 19 vaccine by September 30
 - Religious and medical exemptions
 - If exempted, then must test
- Visitors must verify vaccination status or show proof of negative COVID-19 test for Acute Care Hospitals/LTCF and Skilled Nursing Facilities

Applies To:

- Acute Care Hospitals
- Long Term Care Facilities/Skilled Nursing Facilities
- Intermediate Care Facilities
- Acute Psychiatric Hospitals
- Adult Day Health Care Centers
- Program of All-Inclusive Care for the Elderly (PACE) and PACE Centers
- Ambulatory Surgery Centers
- Chemical Dependency Recovery Hospitals
- Clinics & Doctor Offices (including behavioral health, surgical)
- Congregate Living Health Facilities
- Dialysis Centers
- Hospice Facilities
- Pediatric Day Health and Respite Care Facilities
- Residential Substance Use Treatment and Mental Health Treatment Facilities

School Settings

- LBUSD announced that they would require vaccination verification of all school workers and regular screening testing for all unvaccinated workers on August 9
- On August 11, a state public health order released requiring:
 - All schools must verify vaccination status of all workers
 - All unvaccinated workers must undergo regular screening testing

Mega Events

- The state recently updated the definition of an indoor mega event from 5,000 participants to 1,000 participants. Participants of indoor events of greater than 1,000 individuals will need to provide proof of vaccination or a negative COVID 19 test prior to entering

Summary of Long Beach

- Acute Care Hospitals, Skilled Nursing Facilities and Intermediate Care Facilities are required to verify vaccination status of its workers AND visitors, test all unvaccinated visitors, and require vaccination of workers and test exempted workers
- Other Healthcare Settings (doctor's offices, psychiatric hospitals, dialysis centers, etc.) are required to verify vaccination status of workers, require vaccination of workers and regularly test exempt workers
- Other High Risk Congregate Settings (homeless shelters, etc.) are required to verify vaccination status of its workers and regularly test all unvaccinated workers
- Public and Private schools are required to verify vaccination status of its workers and regularly test all unvaccinated workers

Summary of Long Beach

In addition to the State Orders:

- Masking is required in all public indoor spaces
- Required masking outdoors for large scale events (more than 10,000)
- Added dentists and home health care agencies to vaccine mandate

Vaccine Verification/Mandates

State, County and City Employee Vaccine Verification & Vaccination Mandates

- **State of California:** State of California employees must show proof of vaccination or get tested regularly
- **Los Angeles County:** County employees are must show proof of vaccination or get tested regularly.
- **City of Los Angeles:** All City employees required to be vaccinated with medical and religious exemptions
- **San Francisco:** All City employees must be fully vaccinated within 10 weeks after full FDA approval with medical/religious exemptions.
- **Long Beach:** City of Long Beach announced July 27 that employees are required to verify their vaccination status and unvaccinated workers are required to test regularly.

Pre-Entry Vaccine Mandates

New York City:

- **Indoor Entertainment and Recreational Settings**, movie theaters, music or concert venues, adult entertainment, casinos, botanical gardens, commercial event and party venues, museums and galleries, aquariums, zoos, professional sports arenas and indoor stadiums, convention centers and exhibition halls, performing arts theaters, bowling alleys, arcades, indoor play areas, pool and billiard halls, and other recreational game centers;
- **Indoor Food Services**, including all indoor dining areas of food service establishments, food courts, catering
- **Indoor Gyms and Fitness Settings**, including indoor portions of standalone and hotel gyms and fitness centers, gyms and fitness centers in higher education institutions, yoga/Pilates/barre/dance studios, boxing/kickboxing gyms, fitness boot camps, indoor pools, CrossFit or other plyometric boxes, and other facilities used for conducting group fitness classes.

City of San Francisco:

- **Businesses and events that serve food or drink indoors** where patrons can remove masks, such as dining establishments, bars, clubs, theaters and entertainment venues. Entertainment venues such as movie theaters may select to verify vaccine only for those purchasing food at concessions.
- **Indoor gyms, recreation facilities, yoga studios, and other fitness establishments**, where patrons must currently wear masks but may have elevated breathing.
- **Indoor events of more than 1,000 people**
- **Limited exceptions include** patrons using only the outdoor portion of the business or when wearing well-fitted masks to use indoor restrooms or picking up “to go” food and drink.

Pre-Entry Vaccine Mandates

City of Palm Springs:

- Requiring vaccine verification or negative test to eat/drink in doors at restaurants and bars. Also requiring for large scale ticketed events.

City of Los Angeles:

- Directed the City Attorney to establish an ordinance to require proof of at least one dose of vaccine to enter indoor restaurants, bars, fitness centers, retail establishments, spas, and entertainment centers such as movie theaters, concert venues and sporting events. The ordinance is being drafted.

County of Los Angeles:

- Report outlining considerations for vaccine requirements. Focused on high-risk indoor situations where masks must be removed including indoor food and drink establishments and entertainment establishments where food is served indoors as well as businesses providing activities related to heavy exertion such as indoor fitness centers.

Considerations when Determining Pre-Entry Mandates

- **The Science**

- Risk of unvaccinated people contracting Covid in high-risk settings, including youth under age 12 who don't yet qualify for vaccine
- High level of contagiousness/transmissibility of Delta Variant and possible future variants
- Risk to immunocompromised and older adults.

- **Risk level associated with type of facility**

- Can masks be maintained throughout participation?
- Are masks required to come off to participate in the primary activity at that location?
- Are masks required to come off to participate in the ancillary activities associated with the business?
- Does the activity at the business include high levels of exertion and breathing so that masks may not have as much protection?

Considerations when Determining Pre-Entry Mandates

- **Activities essential to daily living**
 - Is the type of facility essential for daily living – grocery, banks, hair salon/barber, clothing
- **Equity considerations**
 - Some of our communities continue to have concerns about of the vaccine. We continue to see lower vaccine rates among some communities. What impact would a mandate have on their ability to access essential services and participate in select activities?
 - Impact on small, minority owned businesses serving in low-income neighborhoods
- **Impact on businesses – ability to implement**
 - Some digital vaccine records require a QR code reader to operate
 - Business ability to check vaccine status upon entry – staffing, design of facility and access points
 - Business ability to effectively de-escalate situations that may arise due to the mandate
- **Enforcement**
 - City's ability to enforce mandates based on facility types and numbers
- **Regional Consistency**
 - Across Los Angeles County and City jurisdictions



Questions?

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