



COVID-19

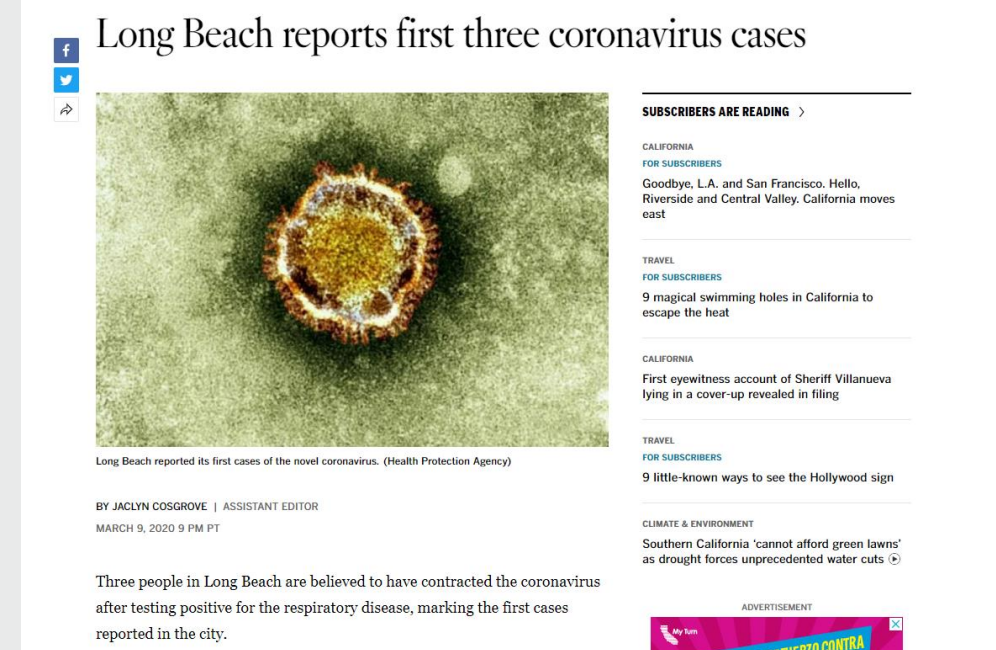
Study Session | May 3, 2022



A Look Back on the COVID-19 Response

- March 10, 2020
 - First three cases of travel associated COVID-19 in Long Beach
- March 14, 2020
 - First community spread COVID-19 case in Long Beach

In the 784 days since that day...



COVID-19 Impacts

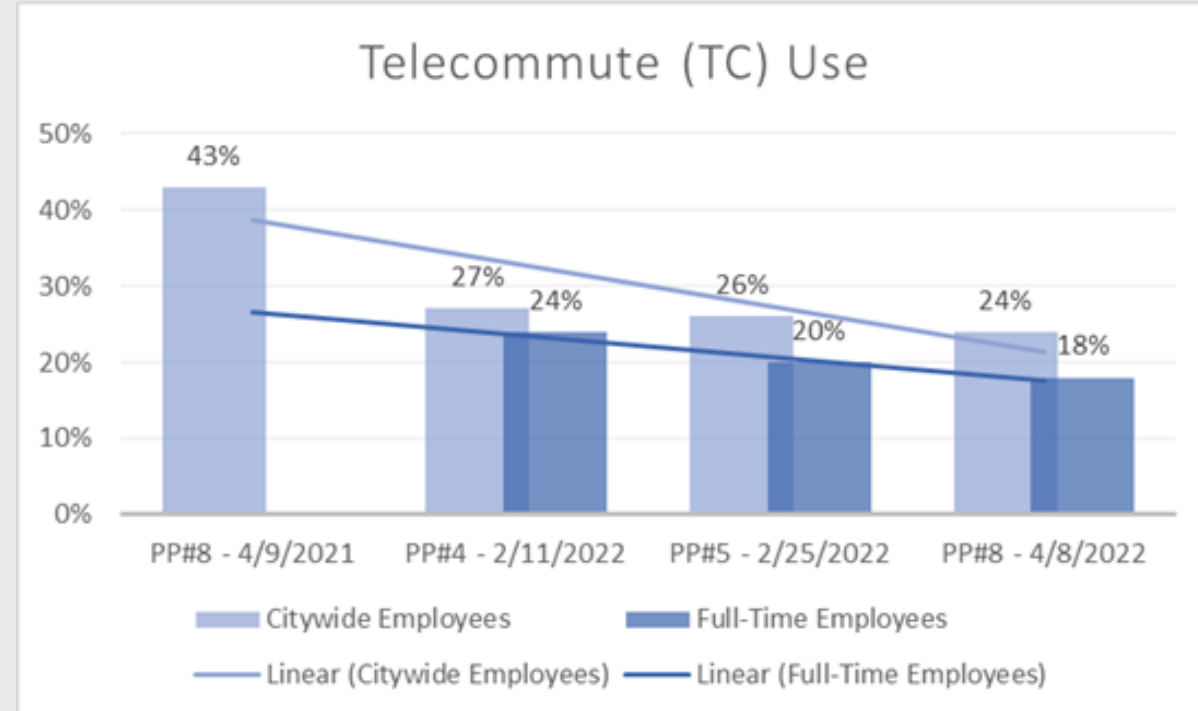
- As of May 2nd, we've experienced:
 - **126,435** Cases
 - **3,614** Hospitalizations
 - Lost **1,265** people
- In 2021, COVID-19 was the 3rd leading cause of death in the U.S. after heart disease and all cancers
- The year 2021 saw the highest death rate since 2003
- In Long Beach, life expectancy in 2021 was 75.2, a reduction of 3 years compared with 2019. Life expectancy decreases were even higher for our Black and Latinx communities.

COVID-19 Accomplishments

- Began limited testing at Main Health with the ability to test approximately **30** people per day. We now have capacity to test **10,000** people per day.
- Implemented fixed and mobile vaccine access, including a mega site with the ability to vaccinate **6,000** people per day.
- Provided **942,245** tests and **88,514** vaccines through sites, citywide.
- Provided guidance and assisted in outbreak management and control in over **170** businesses, **150** Long-Term Care facilities, and **80** Schools/Daycares.
- Established data dashboards and provided real-time data for cases, hospitalizations, deaths, vaccinations, and indicators.
- Monitored and detected emerging variants.
- Published in the CDC's Morbidity and Mortality weekly Report (MMWR) titled "Post-Acute Sequelae of SARS-CoV-2 Infection Among Adults Aged ≥ 18 Years-Long Beach, California, April 1-December 10, 2020".

COVID-19 Accomplishments

- Engaged employees from across the City in response and shifted practices to meet the need and safety protocols
 - Declared City employees disaster services workers
 - Reassigned 230 City staff
 - Flexed and expanded hours
 - Provided regular testing
 - Ensured front line workers were vaccinated early to ensure safety
 - Implemented office safety protocols including plexiglass, sanitization, distancing and masks
 - Enacted Emergency Teleworking/Hybrid Work Policy
 - to reduce density across City departments.
 - Provided technology and supports to allow for large-scale telecommuting



COVID-19 Accomplishments

- Managed Surge Staffing
 - **40** LBFD Lifeguards
 - **50** All Hazards Incident Management Team
 - **100** Travel Nurses
 - **110** California National Guard personnel
 - **230** Reassigned City staff
- Managed a volunteer workforce
 - **1,300** Medical Reserve Corp (MRC)
 - **60** CERT
 - **345** Nursing students (CSULB & LBCC)
 - West Coast University nursing students provided a total of **12,240** hours, worth nearly \$1 million in service
- **125** HEROs (Healthcare & Emergency Response Opportunities) Work Experience
Participants were employed since the beginning of pandemic (more than **18,000** hours of service)

COVID-19 Accomplishments

- Established
 - **75,000** square foot Local Distribution site
 - **5** temporary and permanent shelters for people experiencing homelessness serving hundreds of people
 - **2** isolation and quarantine sites
- Provided surge support to local hospitals
 - **6** mobile hospital modules deployed to hospitals
 - **5** mass fatality trailers deployed to hospitals
 - Distributed **300,000** pieces of PPE to all healthcare entities
- Provided resources specific to older adults and homebound individuals
 - Supported more than **1,300** through the LB Resource Line and Older Adult Warm Line
 - Delivered nearly **4,000** meals
 - Provided supports to more than **21,000** households through the CARES Act
 - Initiated Neighbor to Neighbor program to support older adults

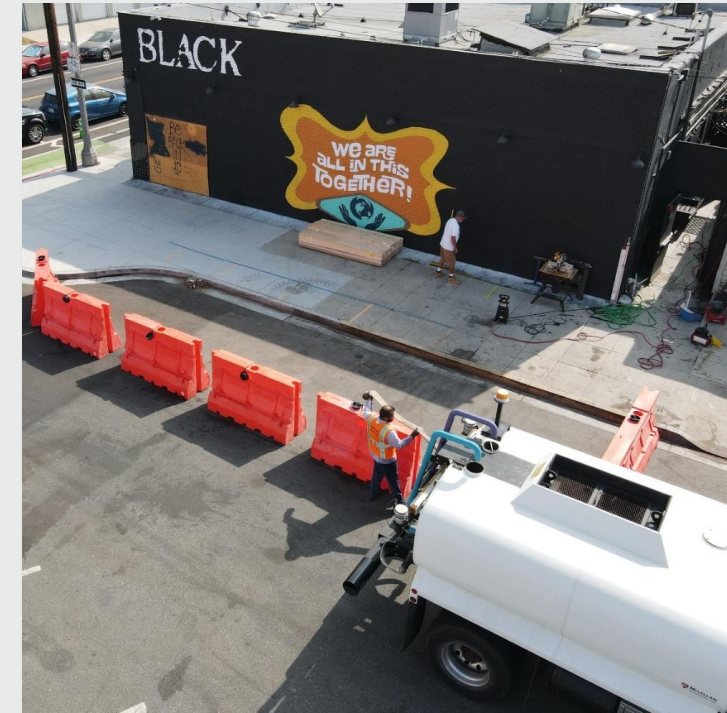
COVID-19 Accomplishments

- Provided resources to families with young children
 - Nearly **70,000** packs of diapers
 - More than **42,000** packs of wipes
 - Nearly **16,000** cans of formula
 - **18,400** books and educational supplies
 - Funding to early childhood providers to help them stay open
- Provided resources and supports to businesses
 - Provided PPE to more than **1,200** businesses
 - Provided education on health orders and safety protocols to nearly **10,000** businesses
 - Implemented four small business grant programs:
 - Small Business Transition & Technology Small Grant Programs
 - Outdoor Dining Grant
 - Commercial Rental Assistance Grant
 - Business License Tax and Fee Grant for Full-Service Restaurants
 - Total grant funding issued: **\$5,042,428**
 - Total grants issued: **1,053**
 - Total unique businesses supported: **1,006**
- Overall, provided **4,755,000** pieces of PPE citywide.

COVID-19 Accomplishments

Implemented citywide temporary parklets with a focus on safety.

- Citywide effort to support the economic recovery for businesses amid social-distancing Health Order
- First temporary parklets were installed in May 2020
- Many were installed just prior to July 4, 2020
- At the program's peak:
 - **124** temporary parklet locations citywide
 - **136** participating business citywide
- Currently:
 - **86** temporary parklet locations citywide
 - **98** business supported citywide (some sharing)
 - **10** parklets removed since the start of 2022
- Ensured proper installation of barricades and safe pedestrian passage, reviewed structural and stormwater drainage elements and utility conflicts
- Current program is set to expire on June 30, 2022, unless extended by the City Council



COVID-19 Accomplishments

The City's COVID-19 response was at the forefront in:

- Vaccinating first responders
- Identifying and messaging residents eligible for vaccine and expanding vaccine eligibility
 - Established VaxLB which registered 140,000 total community members
- Mass testing and vaccination
- Mobile and in-home vaccination and testing for high-risk populations
- Vaccine verification and testing mandate for City employees
- Vaccine verification and testing mandate for school district, community college and university employees
- Implementation of the indoor masking requirement and masking at outdoor mega events

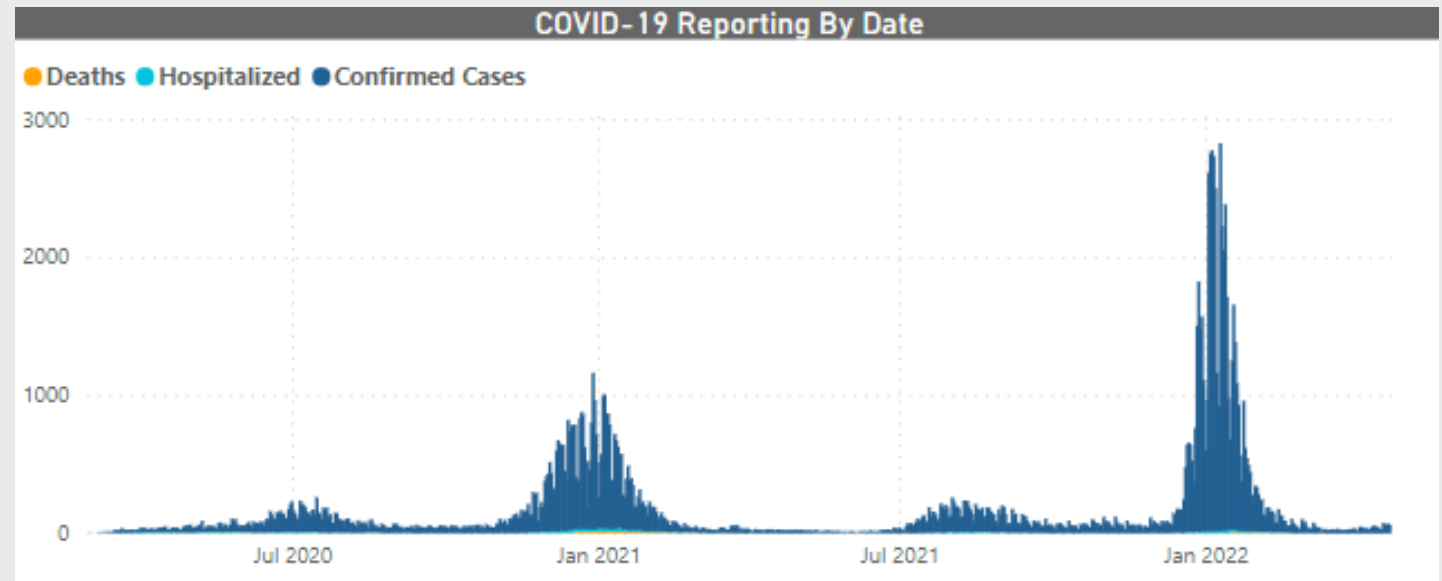


COVID by the Numbers

Status of COVID-19 in Long Beach

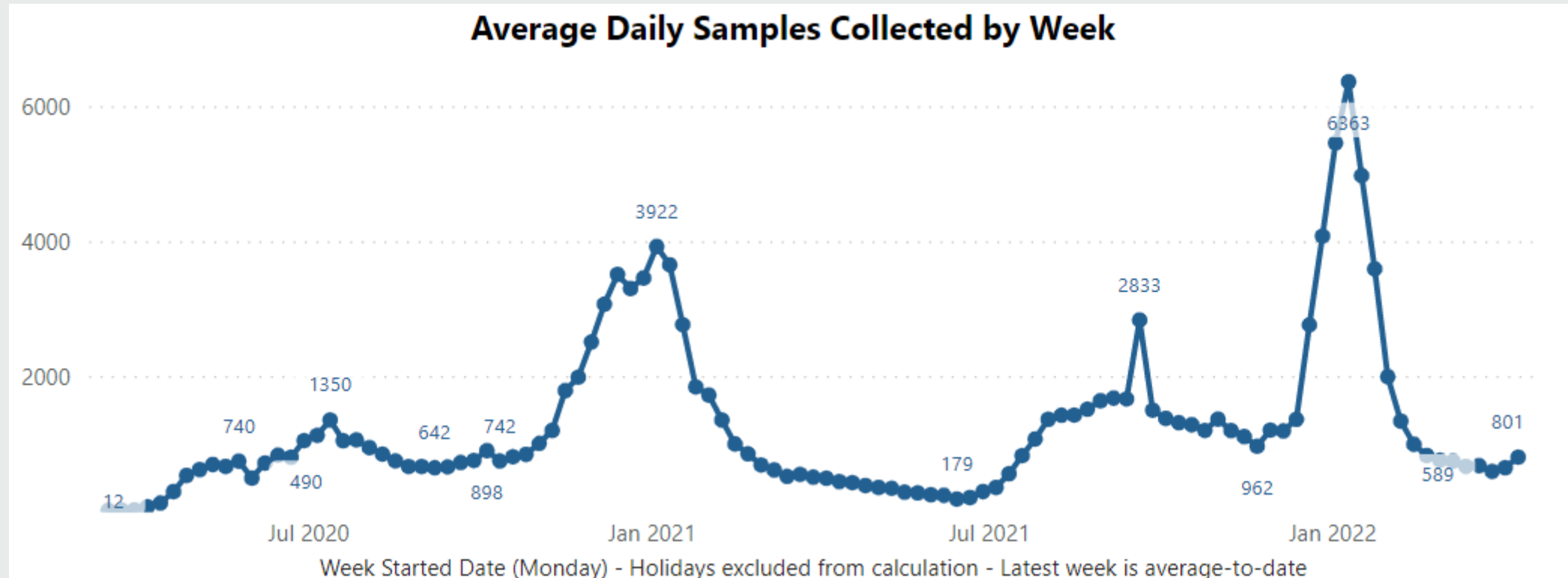
- As of May 2, 2022
 - 126,435 Cases
 - 3,614 Hospitalized
 - 1,265 Deaths
 - January 2021 was the deadliest month to date, with more than 320 deaths compared to 116 deaths in January 2022

Year	Cases	Hospitalizations	Deaths
2020	36,207	1,577	439
2021	44,516	1,426	641
2022	45,712	611	185



Status of COVID-19 in Long Beach: Testing

- To date, total specimens collected through the city test sites: 940,243
 - Most tests conducted in a day: 9,685
 - Daily average, currently: 697



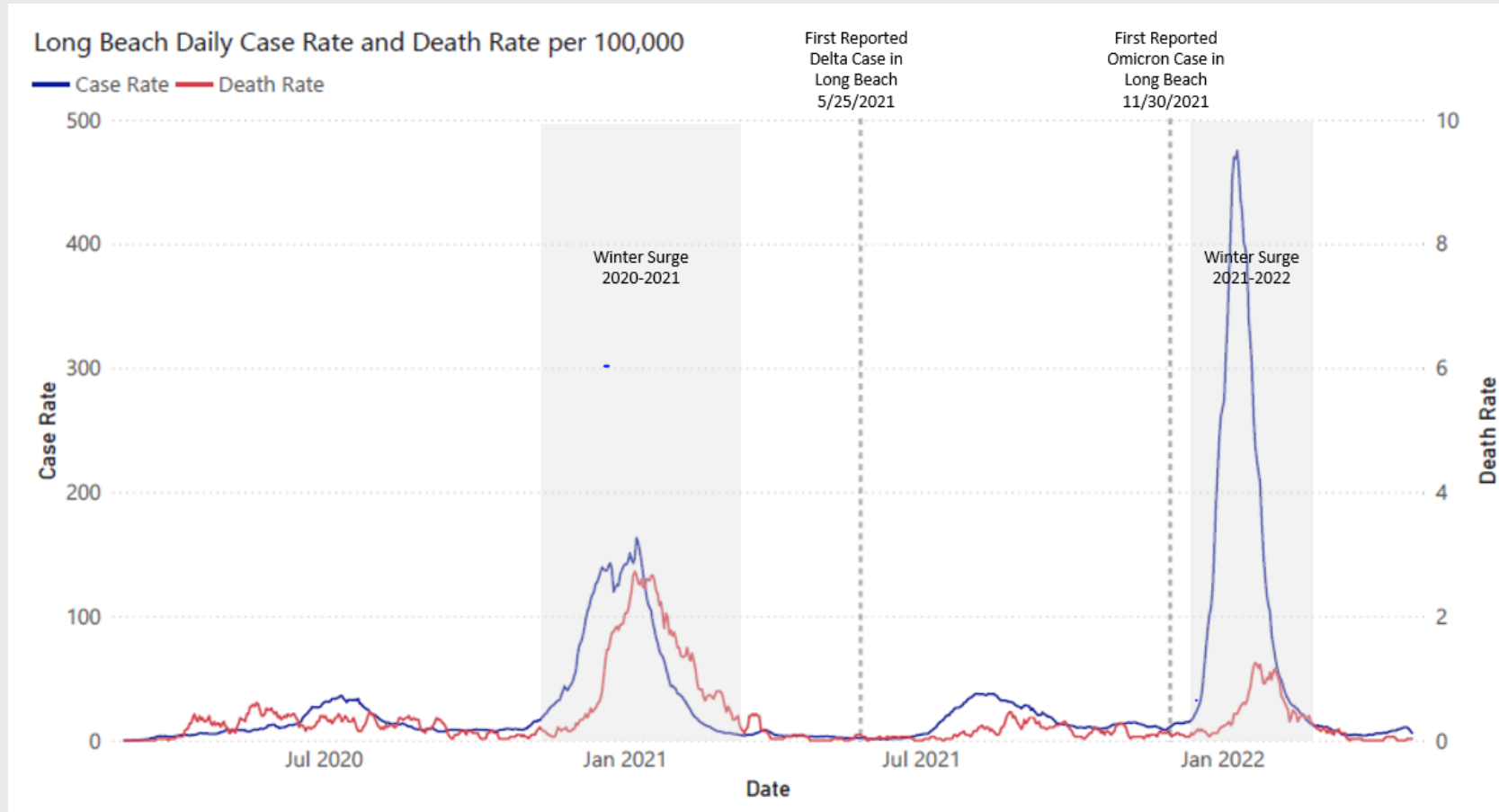
Status of COVID-19 in Long Beach

Indictors during the peak of each surge

	2020-2021 Winter Surge	2021 Summer Surge (Delta)	2021-2022 Winter Surge (Omicron)
Case Rate (per 100,000)	163.3	37.9	475.4
Positivity Rate	17.4%	8.7%	29.5%
Area hospitalizations	598	143	367
Hospitalization Rate (per 100,000)	35.6	11.4	25.1
Weekly Deaths	84	11	40

Status of COVID-19 in Long Beach

For comparison, for every **61** cases during the 2020-2021 winter surge there was 1 death reported, and for every **396** cases during the Omicron surge there was 1 death reported.



Status of COVID-19 in Long Beach

Post Omicron surge (Data as of 5/2/22)

- Case Rate: 7.7/100,000
- Positivity Rate: 4.9%
- Current Hospitalizations: 14 Long Beach residents
- Area hospitals: 11
- Weekly Deaths: 0

COVID-19 levels in Long Beach remain low but are increasing due to the BA.2 subvariant, which now makes up about 80 percent of cases in Long Beach

Figure 1: COVID-19 Rolling 7-day Average of Cases

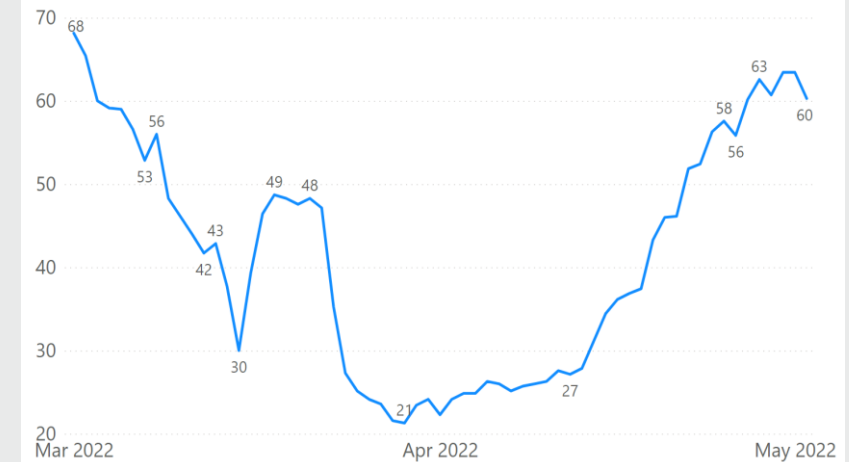
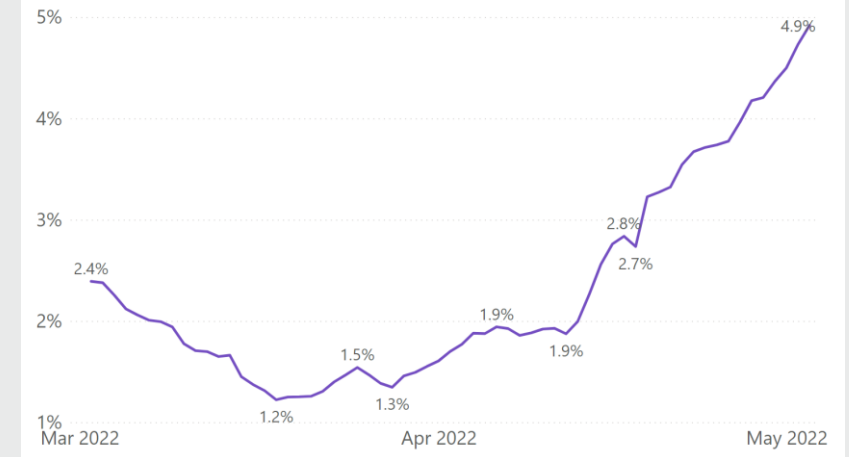


Figure 2: COVID-19 Positivity Rate



Status of COVID-19 in Long Beach

Number of outbreaks have significantly decreased since the Omicron surge and continue to remain low

- **Workplace Outbreaks**

- Omicron Surge: 77
- Post-Omicron: 3

- **School Outbreaks (K-12 & ECE)**

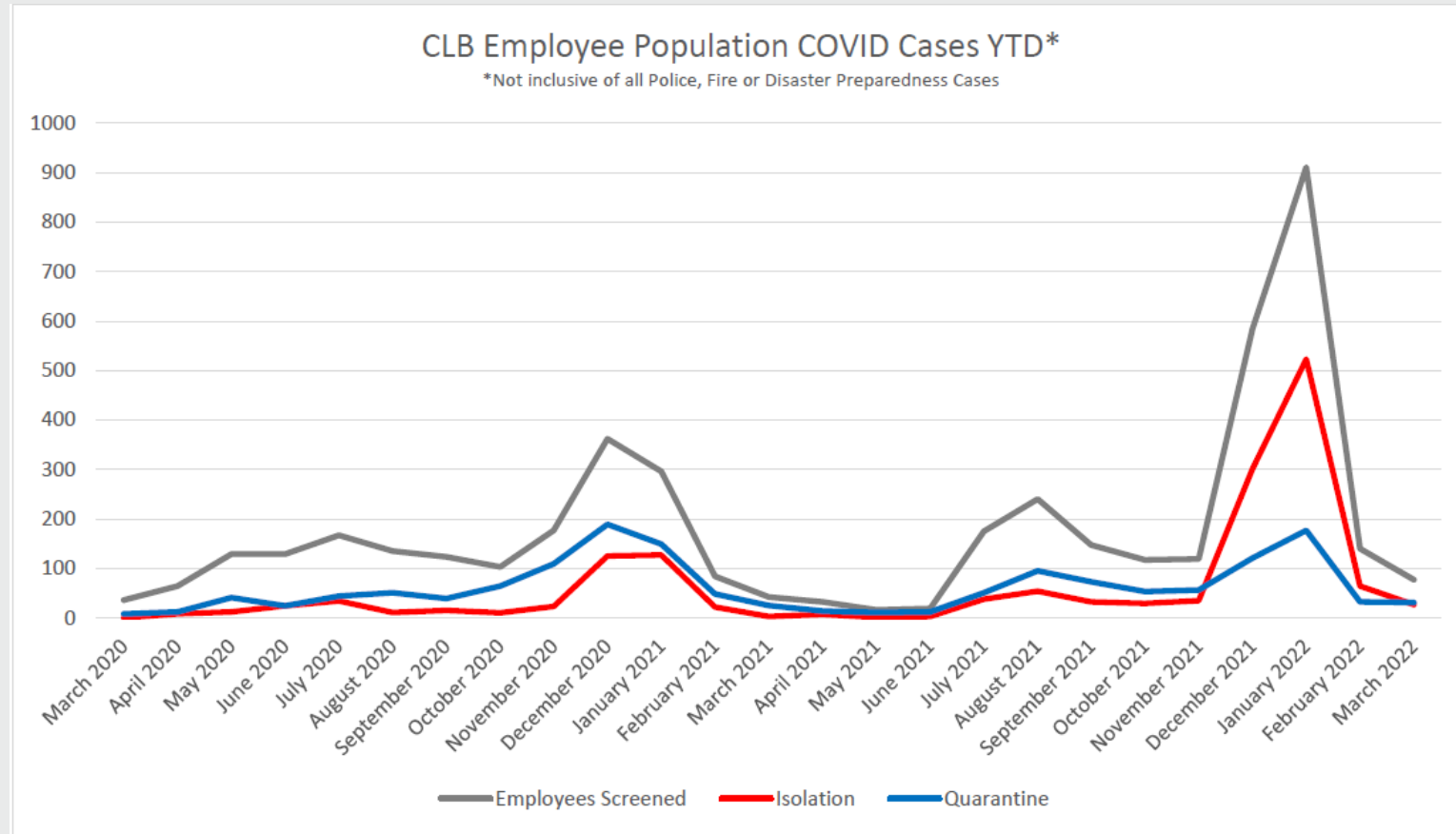
- Omicron Surge: 231
- Post-Omicron: 6

- **Long Term Care and Assisted Living Facilities Outbreaks**

- Omicron Surge: 65
- Post-Omicron: 6

Status of COVID-19 in Long Beach

- As of March 2022, the City of Long Beach Employee Occupational Health Clinic has:
 - Contact traced (screened) - **4,424 employees for COVID symptoms or exposures**
 - 1,528 isolation
 - 1,529 quarantine
- The City Safety and Risk Management team developed and implemented an employee COVID-19 contact tracing intake portal to streamline case management during the Omicron surge.





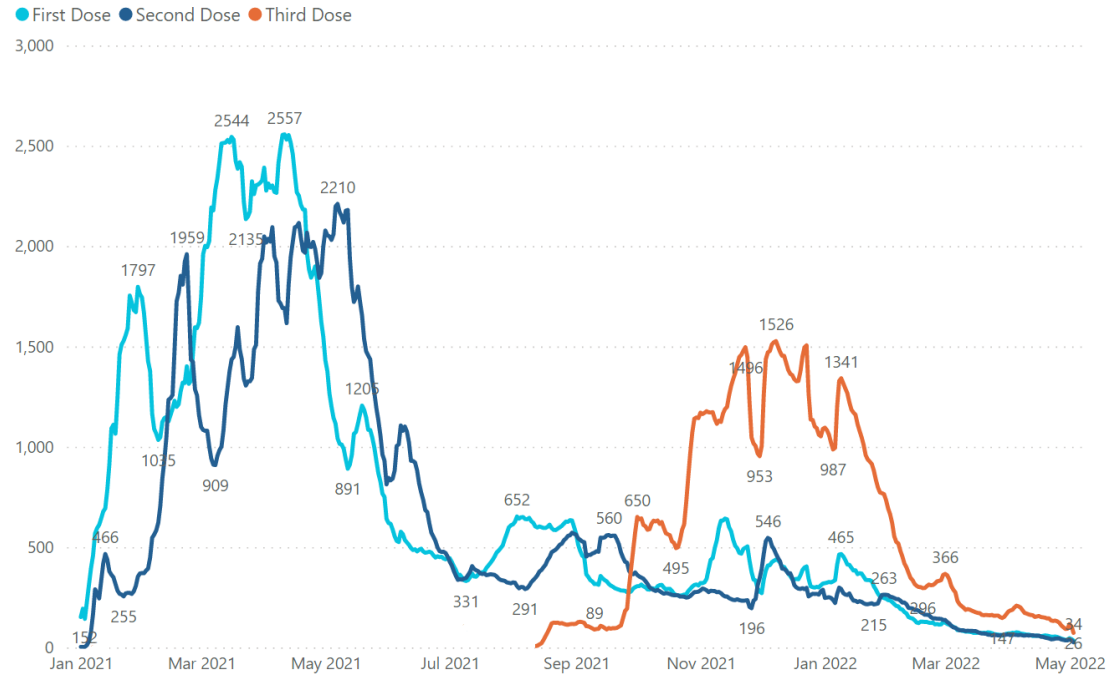
Vaccination Status



COVID-19 Vaccination Status Overall

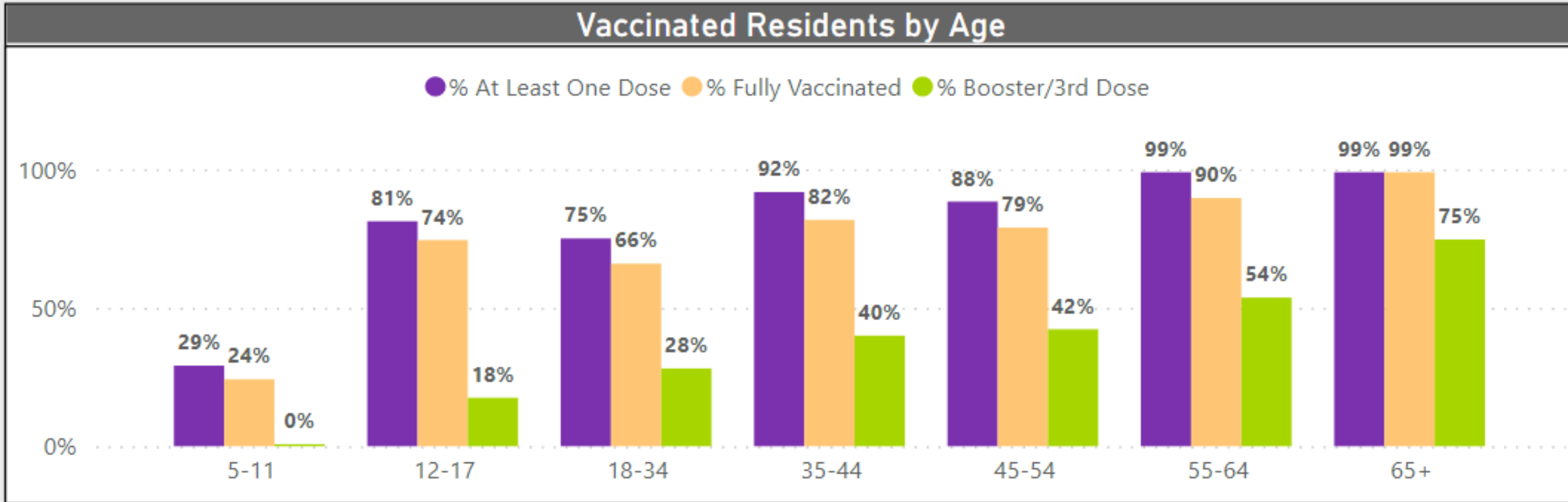
	Vaccinated Residents	% Vaccinated Residents				
		18+	16+	12+ (**)	5+ (**)	All Ages
At Least One Dose	357,867	88.7%	88.3%	86.8%	82.0%	76.7%
Fully Vaccinated	323,169	80.1%	79.7%	78.6%	74.1%	69.2%
Booster/3rd Dose	161,928	43.2%	42.7%	40.7%	37.1%	34.7%

Fig. 3: Moving 7-day Average of Doses Administered to Long Beach Residents



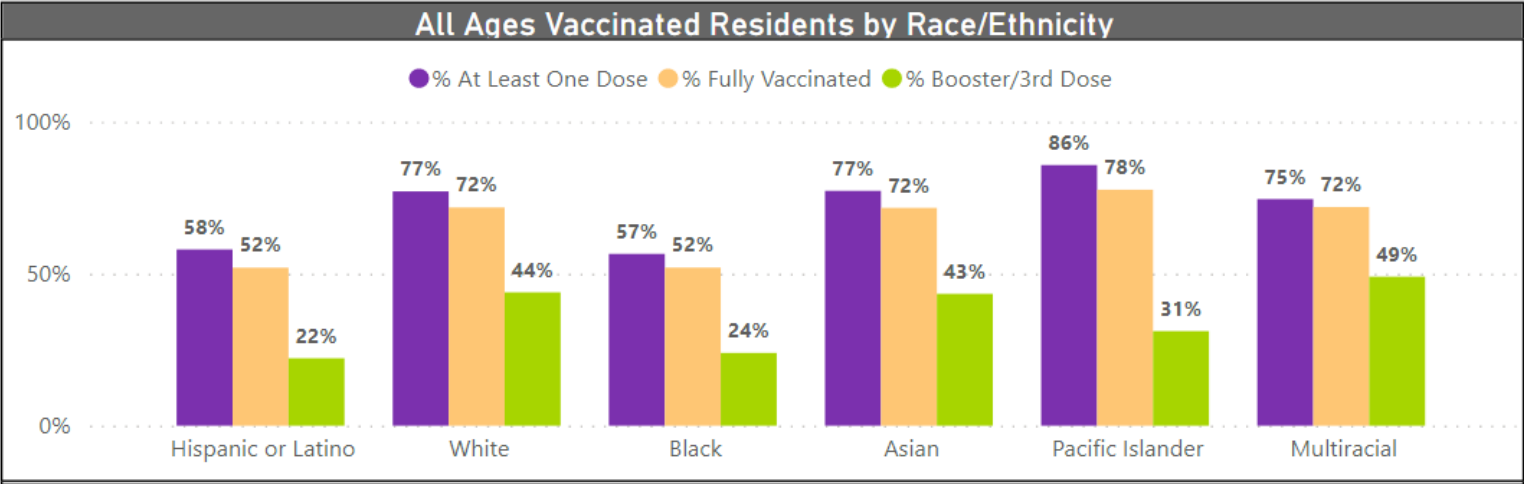
*Data as of May 2, 2022

COVID-19 Vaccination Status by Age



***Data as of May 2, 2022**

COVID-19 Vaccination Status by Race/Ethnicity



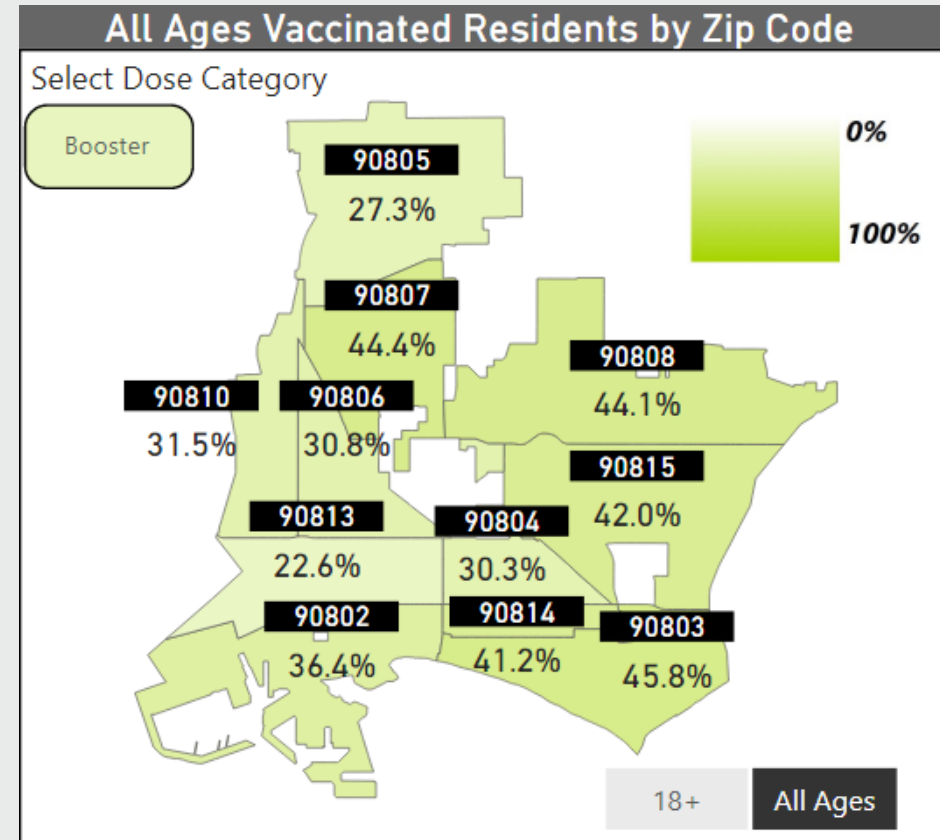
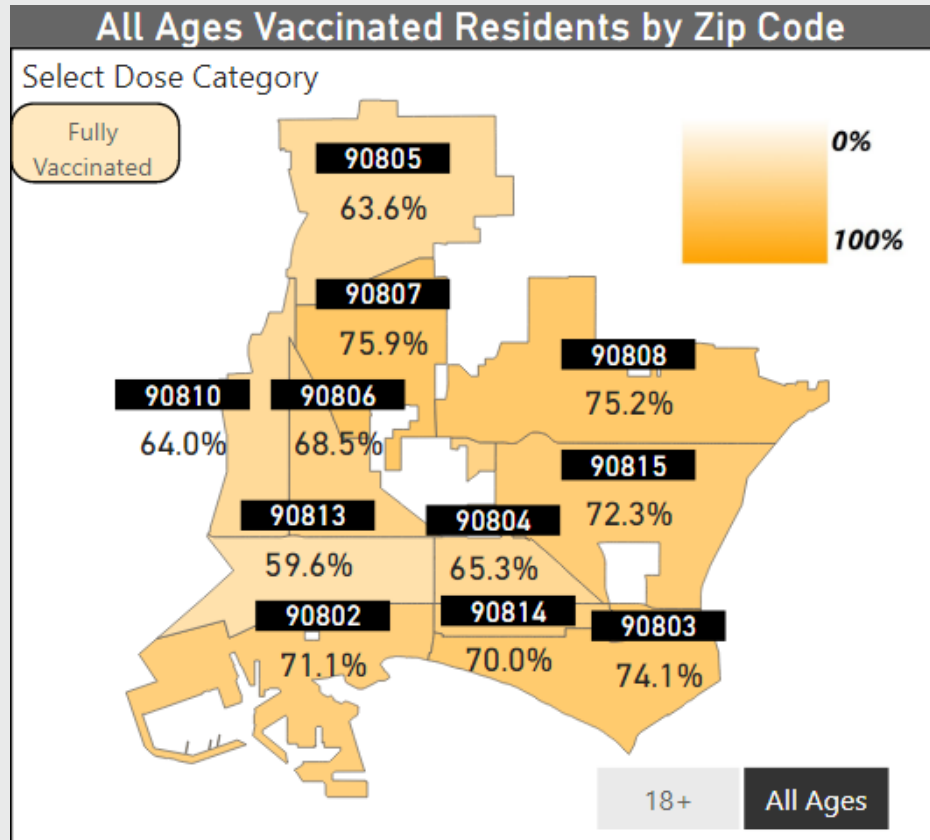
***Data as of May 2, 2022**

Black and Latinx residents in Long Beach have the lowest vaccination rates compared to other racial/ethnic groups, and Black and Latinx males have lower rates than females.



COVID-19 Vaccination Status in Long Beach by Zip Code

Zip codes 90813 and 90805 have the lowest rates of fully vaccinated and boosted individuals.



*Data as of May 2, 2022

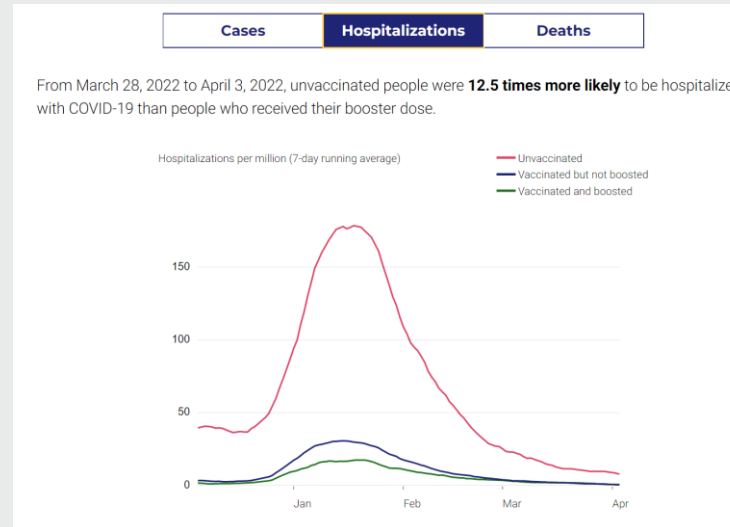
Overall Effectiveness of COVID-9 Vaccination in California

Although breakthrough infections occur with Omicron, state-level data from March 28 to April 3, 2022, display the stark contrast for unvaccinated people compared with their vaccinated and boosted counterparts.

Data support vaccine effectiveness in preventing hospitalization and death.



Case rate comparison by vaccination status



Hospitalization rate comparison by vaccination status



Death rate comparison by vaccination status

Cases, Hospitalizations and Deaths by Vaccination Status in Long Beach

During the Omicron surge, people in Long Beach who were not fully vaccinated or unvaccinated had:

- **2x** higher case rates
- **4x** higher hospitalization rates
- **5x** higher death rates

Figure 5: Rates of Cases by Vaccination Status among Individuals Aged 5 Years or Older

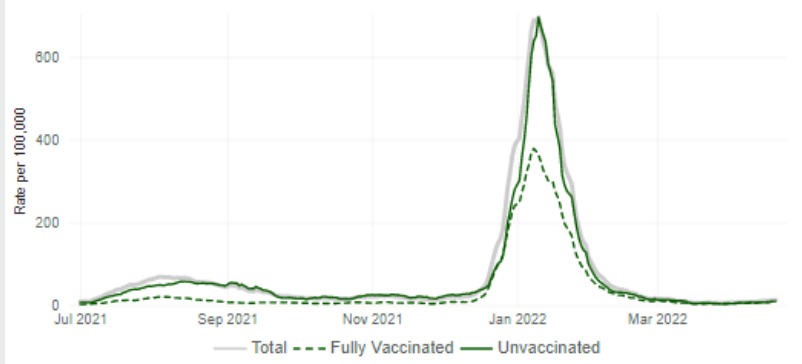


Figure 6: Rates of Hospitalizations by Vaccination Status among Individuals Aged 5 Years or Older

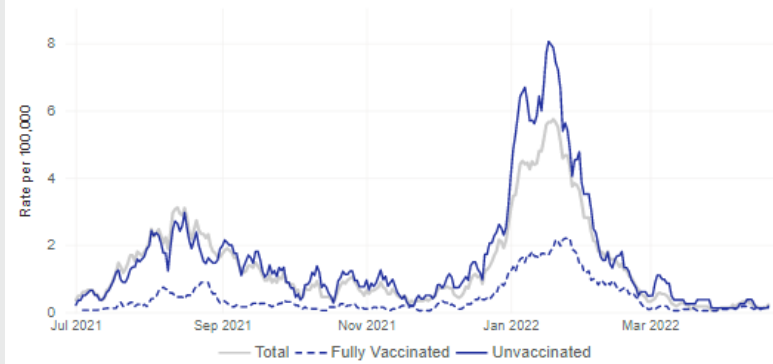
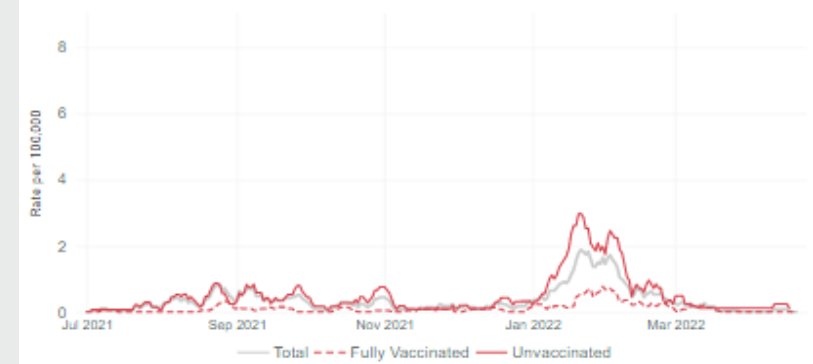


Figure 7: Rates of Deaths by Vaccination Status among Individuals Aged 5 Years or Older



Human Resources – Vaccination of City Employees

Phase 1: Implemented Employee COVID-19 Vaccine Attestation Form – Effective June 28, 2021

As part of our efforts to provide a safe workplace, and in accordance with the implementation of Cal/OSHA COVID Emergency Temporary Standards (ETS), all employees were required to complete the City's COVID-19 Vaccine Attestation form. Effective upon submission of the *City of Long Beach Employee Attestation of COVID-19 Vaccination* form, employees who were fully vaccinated would no longer be required to wear a face covering while in the workplace (unless a specific location or current Health Order required face coverings at all times).

Phase 2: City of Long Beach Employee COVID-19 Vaccine Verification or Mandatory Weekly Testing – Effective August 30, 2021

All City employees who are not fully vaccinated or have not disclosed proof of vaccination status are required to test weekly for COVID-19 at a designated test site.

Phase 3: Mandatory COVID-19 Vaccination Policy for City Employees - Pending Final Implementation Date

The City working on the implementation of a Mandatory COVID-19 Vaccination Policy for the health and safety of City employees and the public they serve. The policy would require all employees who are required to test weekly for COVID-19 to become vaccinated against COVID-19 or request an exemption.

Human Resources – Vaccination of City Employees

As of April 28, 2022, **86%** of eligible City of Long Beach employees have submitted proof of COVID-19 vaccination status.

City of Long Beach Employee Proof of COVID-19 Vaccination Metrics

23 Dpts

Department	Fully Vaccinated	Total number of eligible employees***	% of total employees fully vaccinated (Proof)
Legislative	63	63	100%
City Attorney	70	71	99%
City Manager	67	68	99%
City Prosecutor	51	52	98%
Health and Human Services	620	634	98%
Parks & Rec	738	765	96%
Human Resources	50	52	96%
Financial Mgmt	225	238	95%
Development Services	163	173	94%
City Clerk	16	17	94%
Libraries	187	200	94%
City Auditor	13	14	93%
Airport	90	99	91%
Technology & Innovation	149	165	90%
Harbor	492	550	89%
Civil Service	16	18	89%
Economic & Property	59	67	88%
Public Works	379	470	81%
Energy Resources (Gas & Oil)	164	204	80%
Fire*	570	714	80%
Water	197	249	79%
ECOC Comm Facility (DPEC)	57	74	77%
Police**	710	1019	70%
Total	5146	5976	86%
*Represents both civilian and sworn Fire employees. Sworn Fire employees are 71% vaccinated.			
**Represents both civilian and sworn Police employees. Sworn Police employees are 61% vaccinated.			
***250 seasonal and inactive employees have been removed from the total number of employees column			
Log updated 5:00PM 4/28/22			



Addressing COVID-19 Disparities

Efforts to Address COVID-19 Disparities

Whole Community Planning

- To address the digital divide, set up a robust COVID-19 Information Line in January 2021
 - Staffed with people equipped to handle calls in multiple languages
 - Assisted older adults, monolingual individuals and those with limited access to technology with making appointments for testing and vaccine
- Provided accommodations to families and those with disabilities, access and functional needs at the mass vaccination clinics
 - Designated a sensory-friendly space
 - Implemented a Vaccine Picture Exchange Communication System (PECS) for individuals with access and functional needs

**LONG BEACH
COVID-19 HOTLINE**

 **(562) 570-4636**
Monday - Friday, 9 a.m. - 5 p.m.

CALL US!

-  Schedule an appointment to receive your COVID-19 vaccine!
-  Schedule a COVID-19 testing appointment!
-  General questions about COVID-19

**LÍNEA DIRECTA
DE COVID-19 DE
LONG BEACH**

 **(562) 570-4636**
Lunes - Viernes, 9 a.m. - 5 p.m.

¡LLAMANOS!

-  ¡Programe una cita para recibir su vacuna contra el COVID-19!
-  ¡Programe una cita para la prueba de COVID-19!
-  Preguntas generales sobre COVID-19

**ទូរស័ព្ទខ្សែបន្ទាន់ COVID-19
ឡុងប៊ិច**

 **(562) 570-4636**
ថ្ងៃច័ន្ទ - ថ្ងៃសុក្រ, ម៉ោង 9 ព្រឹក - 5 ល្ងាច

ទូរស័ព្ទមកយើង!

-  សូមដាក់ការណាត់ជួប ដើម្បីទទួល វ៉ាក់សាំងបង្ការជំងឺ COVID-19 របស់អ្នក!
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Efforts to Address COVID-19 Disparities

Whole Community Planning

- Convened a vaccine equity workgroup with various stakeholders, including community-based organizations, healthcare providers and City departments
 - Used data to develop outreach and communication strategies for areas with high case rates and low vaccination rates
 - Used census tract-level data to bring pop-up vaccination events to areas with high case rates and low vaccination rates, providing nearly **7,900** vaccines
- Built out a mobile vaccination team to provide in-home vaccinations for those with disabilities, access and functional needs, mobility issues and those at high risk, providing nearly **5,000** in home vaccinations
- Conducted nearly **21,000** COVID-19 tests through the mobile testing team
 - More than 500 of these were in-home testing appointments for those with disabilities, access and functional needs, mobility issues and those at high risk
 - Pop-up events in partnership with community-based organizations, pop-ups in areas with high case rates, businesses, congregate living facilities and at special events



Communicating with City Residents

COVID-19 Communications

From March 2020 to present:

General COVID-19 Line



**Total Calls:
70,553**

COVID-19 Vaccine Line



Total Calls: 16,966



English, Khmer, Spanish, Tagalog

COVID-19 Communications

From March 2020 to present:

**Livestreamed Press
Conferences**

 **90+**

**COVID-19 Press
Releases & Updates**

 **Over 700**

**COVID-19
Internal Updates**

 **350**

Data Dashboard Updates

 **Over 700**

Made available in English, Khmer, Spanish, Tagalog



Health Order Update



Health Order

Revised on April 29, 2022

- Aligned with Los Angeles Department of Public Health and the CDC's assessment that at this time, requiring masking for indoor public transit is necessary to protect the public's health
- Masks in all public transit within Long Beach, such as commuter trains, buses, taxis and ride-shares, and indoor transportation hubs such as airport terminals, bus, train, marina or port stations are required for all people 2 years and older



Looking Forward



Upcoming Developments

Therapeutics to Treat COVID-19 Infection

- Working with the state to expand local access to therapeutics
 - Identifying and enrolling additional providers to offer therapeutics
 - Identifying and enrolling additional providers to expand the test to treat locations

Vaccines

- Monitoring development, expansion of eligibility, Emergency Use Authorization (EUA) and full biologic license approval
 - Pfizer
 - EUA for 5-11 booster expected to be reviewed by FDA
 - EUA for 6 months to under 5 expected to be reviewed by FDA in June
 - Moderna
 - EUA for 6 months to under 17 years expected to be reviewed by FDA in June
 - Novovax
 - EUA for 18 and older is expected to be reviewed by FDA in June

Post-Surge Planning

Health Department developed a post-surge plan informed by:

- The Centers for Disease Control and Prevention (CDC) COVID-19 Community Levels monitoring measures
- The California SMARTER plan
- The Los Angeles County Department of Public Health Post-Surge Response Plan

To ensure a data-driven, equitable response, the Health Department will focus on:

- Educating those at higher risk of experiencing elevated rates of illness, hospitalization and death from COVID-19
- Mitigating the unconstrained spread of illness
- Protecting the functioning of the healthcare system
- Preparing for future potential challenges presented by the evolving conditions of the virus

Additional considerations for post surge planning:

- HRSA funding to reimburse COVID-19 vaccine and therapeutic providers has ended
- FEMA reimbursement rate decreases on July 1 from 100% to 90% reimbursement
- Federal public health emergency funding grants end on June 30, 2023, reducing staffing by 50 full-time positions and 100 part-time positions

Post-Surge Plan – CDC Community Level Metric

- CDC COVID-19 community levels look at the combination of three metrics:
 - Hospital admissions per 100,000 in the past seven days
 - Percentage of staffed inpatient beds occupied by COVID-19 patients
 - Total new COVID-19 cases per 100,000 in the past seven days
- These metrics act as early warning indicators and help determine the current potential strain on the health care system
- The Health Department is using these metrics as one way to track trends and make decisions post Omicron surge

COVID-19 Community Levels for Long Beach					
New COVID-19 Cases per 100,000 people in the past 7 days	Indicators	Low	Medium	High	Long Beach/LA County Current Values
105.8	New COVID-19 admissions per 100,000 population (7-day total)	<10.0	10.0-19.9	≥ 20.0	0.64
	Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	<10.0%	10.0-14.9%	≥ 15.0%	1.3%

Local Post-Surge Plan Indicators

Indicator	Low	Medium	High	Long Beach (as of 5/2)
Percentage of specimens sequenced that are identified as a new variant of concern	< 5%	5-10%	> 10%	NA
Average number of specimens collected at test sites	< 2,000 in past 7 days	2,000-6,000 in past 7 days	> 6,000 in past 7 days	697
Seven-day cumulative case rate per 100,000 for the lowest income census tracts (30-100% below area poverty)	<100 per 100,000	100-200 per 100,000	> 200 per 100, 000	79.3
Number of new outbreaks in skilled nursing facilities/assisted living facilities	≤ 2 new outbreaks in past 7 days	3-6 new outbreaks in past 7 days	≥ 7 new outbreaks in past 7 days	0
Number of new outbreaks in educational sector, including early childhood education centers, TK-12 and colleges and universities	≤ 3 new outbreaks in past 7 days	4-6 new outbreaks in past 7 days	≥ 7 new outbreaks in past 7 days	4
Number of new outbreaks at workplaces (non-healthcare)	< 5 new outbreaks in past 7 days	5-15 new outbreaks in past 7 days	>15 new outbreaks in past 7 days	2

Local Post-Surge Plan Strategies: Medium

- Increase the appointment capacity at fixed test sites and for mobile testing and communicate the options to public
- Distribute PPE to health and medical settings to ensure responder safety
- Increase:
 - Surveillance to monitor incidence of COVID-19 cases associated with new emerging variants of concern
 - Contact tracing and case investigations, including utilization of virtual assistant surveys
 - Outbreak management to respond to sector outbreaks
- Utilize data to make recommendations for those at high-risk and to the different sectors
- Continue communications to the public on the severity and transmissibility of new variants of concern
- Consider implementing requirement for masking in indoor public spaces

Local Post-Surge Plan Strategies: High

In addition to the strategies outlined in Medium Category:

- Request PPE and personnel from the state
- Facilitate resources requests for the hospitals and skilled nursing facilities
- Activate surge personnel to increase surveillance capacity to monitor and report the incidence of COVID-19 cases
- Consider requiring vaccine verification for mega events and other high-risk public spaces

A young girl with brown hair, wearing a pink unicorn headband with a gold horn and pink ears, and a grey face mask with a star pattern. She is wearing a pink t-shirt and a colorful beaded bracelet. She is blowing bubbles, and many bubbles are visible in the air around her. In the background, other children are visible, some also wearing masks, and the scene appears to be outdoors at a park or beach.

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