DAILY LOS ANGELES

COVID-19 Data Summary
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COVID-19 DATA SUMMARY

County Projections
KEY TAKEAWAYS:

• The underlying statistical prediction model incorporates the expected effect of vaccination in predicting future hospital demand.

• The daily number of newly hospitalized patients with positive tests for COVID-19 across Los Angeles County has continued to gradually decrease. We continue to see patients admitted to hospitals for reasons other than acute COVID-19 illness who have positive tests, often from prior illness that has resolved.

• Based on recent hospitalization data, reflecting transmission that occurred in the first half of April, the estimated transmission number (“R”) at that time is 0.96 with an uncertainty of 0.86 to 1.02. This estimate for R is slightly higher than our estimate one week earlier of 0.86 with an uncertainty of 0.79 to 0.99.

• Based on the pattern in hospitalizations, and resulting estimate for R, the demand for hospital-based services including hospital beds, ICU beds, and ventilators over the next four weeks is likely to continue to decrease or be stable. We expect daily mortality to decrease or be stable over the same time interval.

• Because of the low level of community transmission, the frequency of model updates will be reduced to every two weeks after this update on April 26, 2021.

HOW MANY IN LOS ANGELES ARE INFECTIOUS?

The model suggests that about 0.09% (uncertainty of 0.05% to 0.12%) of everyone in Los Angeles County is currently infected and infectious to others. This would suggest about 1 in 1,200 (between 1 in 1,900 and 1 in 810) Los Angeles County residents are currently infectious to others. One week ago, this estimate was 1 in 1,600.

Approximately 3 in every 8 persons in Los Angeles County has been infected with COVID-19 since the beginning of the pandemic, and approximately another 2 in 8 have acquired protection through vaccination.
Effective Transmission Number “R”
As of April 23, 2021

Note: The effective transmission number R is reduced by the partial herd immunity due to persons who have either experienced and recovered from COVID-19 or have been immunized.
Hospital New Patient Projections
As of April 23, 2021

Start date July 1
Scale 0 to 1000/day

Where we are today

Uncertainty with no recent change in transmission behavior
Predictions of Demand in LA County | Hospital Beds
As of April 23, 2021

Start date July 1
Scale 0 to 8,000

Bed Capacity for COVID-19 Patients

Where we are today

Uncertainty with no recent change in transmission behavior

Source: Los Angeles County Department of Health Services
Predictions of Demand in LA County | ICU Beds
As of April 23, 2021

Source: Los Angeles County Department of Health Services
Prepared by Mayor’s Innovation Team
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Uncertainty with no recent change in transmission behavior
Predictions of Demand in LA County | Ventilators
As of April 23, 2021

Ventilator Availability for COVID-19 Patients

Start date July 1
Scale 0 to 2,000

Where we are today

Uncertainty with no recent change in transmission behavior

Source: Los Angeles County Department of Health Services
Predictions of Daily Mortality LA County
As of April 23, 2021

Start date July 1
Scale 0 to 300/day

Daily reported deaths
7-day running average

Where we are today

Uncertainty with no recent change in transmission behavior
COVID-19 DATA SUMMARY

Data Snapshot
CURRENT LOS ANGELES COUNTY RISK LEVEL: **MODERATE**

**METRICS**  
As of April 20, 2021  
Based on data from 4/4/21-4/10/21

<table>
<thead>
<tr>
<th>METRIC</th>
<th>REPORTING DATE</th>
<th>RATE</th>
<th>% DIFF VS LAST METRICS</th>
<th>LAST REPORTING DATE</th>
<th>PREVIOUS METRICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>New COVID-19 positive cases per 100K</td>
<td>4/20/2021</td>
<td>4</td>
<td>+2.6%</td>
<td>4/13/2021</td>
<td>3.9</td>
</tr>
<tr>
<td>Adjusted case rate for tier assignment</td>
<td>4/20/2021</td>
<td>2.7</td>
<td>-15.6%</td>
<td>4/13/2021</td>
<td>3.2</td>
</tr>
<tr>
<td>Positivity Rate</td>
<td>4/20/2021</td>
<td>1.2%</td>
<td>-0.3%</td>
<td>4/13/2021</td>
<td>1.5%</td>
</tr>
<tr>
<td>Health Equity Metric (starting 10/6)</td>
<td>4/20/2021</td>
<td>1.4%</td>
<td>-0.5%</td>
<td>4/13/2021</td>
<td>1.9%</td>
</tr>
</tbody>
</table>

**What Statewide Vaccine Equity Goals mean**

Every county in California is assigned to a tier based on its positivity rate, adjusted case rate, health equity metric, and the State’s vaccine equity metric. Counties must remain in a tier for at least three weeks before moving to a less restrictive tier. Counties must meet the next tier’s criteria for two consecutive weeks to move to a less restrictive tier. If a county’s metrics worsen for two consecutive weeks, it will be assigned a more restrictive tier.

In accordance with the State’s updated Blueprint for a Safer Economy framework, Los Angeles County qualified for the “Moderate,” or orange tier on March 30. The tier’s permitted openings and modifications are in effect April 5.

Source: California Department of Public Health

Prepared by Mayor’s Innovation Team

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In the table (right) you will see the breakdown of the following:

**New COVID-19 positive cases per 100K**  
7-Day average new positive cases per 100K residents

**Adjusted case rate for tier assignment**  
An adjustment factor for counties that are testing above or below the state average. This adjusted rate is used for “new case” metric rather than the raw case rate.

**Positivity Rate**  
7-day average of positive lab-confirmed COVID-19 cases divided by total tests

**Health Equity Metric**  
The test positivity rate in the Lowest Healthy Places Index Quartile Census Tracts.

<table>
<thead>
<tr>
<th>RISK LEVEL</th>
<th>Daily New Case Threshold</th>
<th>Positivity Rate Threshold</th>
<th>Health Equity Metric Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier 1</td>
<td>≥ 10.0 daily new cases (per 100k)*</td>
<td>≥ 8.0% positive test for entire county**</td>
<td>≤ 8.1% positive tests for health equity quartile**</td>
</tr>
<tr>
<td>Tier 2</td>
<td>6.0 - 10.0 daily new cases (per 100k)*</td>
<td>2.0 - 4.9% positive test for entire county**</td>
<td>≤ 5.3% positive tests for health equity quartile**</td>
</tr>
<tr>
<td>Tier 3</td>
<td>2.0 - 5.9 daily new cases (per 100k)*</td>
<td>2.0 - 4.9% positive test for entire county**</td>
<td>≤ 2.2% positive tests for health equity quartile**</td>
</tr>
</tbody>
</table>
| Tier 4     | ≤2.0 daily new cases (per 100k)* | ≤ 2.0% positive test for entire county** | Read caveats * and ** on Safer Economy webpage

For more information: [Blueprint for a Safer Economy](https://www.cdph.ca.gov/Programs/Covid19/Response/Tiering/BlueprintForASaferEconomy.pdf)
## Key Takeaways:

The following metrics have seen **undesirable** movement over the past seven days for which data are available: Acute Care Bed Capacity (vs baseline), ICU Bed Capacity, and LA City Unemployment Insurance Claims.

The following metrics have seen **desirable** movement over the past seven days: New Cases, New Deaths, 7-Day COVID Positive Test Rate, New Hospitalizations, and Acute Care Bed Capacity (vs last week).

**Note:** Unless otherwise noted, the baseline period is the week of 4/18/20-4/24/20, our highest week in the month of April, first full month of reporting on record.

**As of 4/22/2021**

### METRICS

<table>
<thead>
<tr>
<th>METRICS</th>
<th>TODAY’S AVERAGES</th>
<th>CURRENT TREND VS LAST WEEK</th>
<th>% CHANGE VS LAST WEEK</th>
<th>CURRENT TREND VS BASELINE</th>
<th>% CHANGE VS BASELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New Cases</strong> (7-day avg.)</td>
<td>409</td>
<td></td>
<td>-16.9%</td>
<td></td>
<td>-60.8%</td>
</tr>
<tr>
<td><strong>New Deaths</strong> (7-day avg.)</td>
<td>22</td>
<td></td>
<td>-18.5%</td>
<td></td>
<td>-56.9%</td>
</tr>
<tr>
<td><strong>COVID 7-Day Positive Test Rate</strong> (as of one week ago)</td>
<td>0.9%</td>
<td></td>
<td>-0.3%</td>
<td></td>
<td>-10.7%</td>
</tr>
<tr>
<td><strong>New Hospitalizations</strong> (7-day average)**</td>
<td>46</td>
<td></td>
<td>-2.7%</td>
<td></td>
<td>-70.4%</td>
</tr>
<tr>
<td><strong>Acute Care Bed Capacity</strong> (7-day average)**</td>
<td>462</td>
<td></td>
<td>+4.4%</td>
<td></td>
<td>-58.6%</td>
</tr>
<tr>
<td><strong>ICU Bed Capacity</strong> (7-day average)**</td>
<td>113</td>
<td></td>
<td>-2.6%</td>
<td></td>
<td>-53.4%</td>
</tr>
<tr>
<td><strong>LA City Unemployment Ins. Claims</strong> (includes PUA) baseline = equivalent 2019 week</td>
<td>15,233 as of 4/10/2021</td>
<td></td>
<td>+40.4%</td>
<td></td>
<td>+609.0%</td>
</tr>
</tbody>
</table>
COVID-19 • LOS ANGELES

Key Indicators
Cases, Deaths, Testing, and Hospitalizations
• The past seven days have seen an average daily increase of **409** new cases.

• The past seven days have seen an average daily increase of **22** new deaths.
LA County Case Updates

<table>
<thead>
<tr>
<th>LOS ANGELES</th>
<th>CALIFORNIA</th>
<th>UNITED STATES</th>
<th>GLOBAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.96</td>
<td>11,508</td>
<td>135,818</td>
<td>147.3M</td>
</tr>
<tr>
<td>New Cases</td>
<td>New Cases</td>
<td>New Cases</td>
<td>New Cases</td>
</tr>
<tr>
<td>288</td>
<td>1,060</td>
<td>3.63M</td>
<td>32.1M</td>
</tr>
<tr>
<td>Total Cases</td>
<td>Total Cases</td>
<td>Total Cases</td>
<td>Total Cases</td>
</tr>
<tr>
<td>1,231,806</td>
<td>3.63M</td>
<td>32.1M</td>
<td>147.3M</td>
</tr>
</tbody>
</table>

Infection Rate: Ideal < 1.0

LA County accounts for **33.9%** of cases in CA with an average of **409** new cases reported from 4/20 to 4/26 (**-1.7%** decrease)

Source: Los Angeles County Department of Public Health, Johns Hopkins Center for Systems Science and Engineering GitHub repo, LA County Department of Public Health, COVIDTracking.com, and the LA Times.

K E Y  T A K E A W A Y S

LA County accounts for **33.9%** of cases in CA with an average of **409** new cases reported from 4/20 to 4/26 (**-1.7%** decrease)

C U M U L A T I V E  C A S E S

Source: Los Angeles County Department of Public Health, Johns Hopkins Center for Systems Science and Engineering GitHub repo, LA County Department of Public Health, COVIDTracking.com, and the LA Times.
**LA County Mortality Updates**

<table>
<thead>
<tr>
<th>Los Angeles</th>
<th>California</th>
<th>United States</th>
<th>Global</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortality Rate</td>
<td>New Deaths</td>
<td>Total Deaths</td>
<td>New Deaths</td>
</tr>
<tr>
<td>1.9%</td>
<td>4</td>
<td>23,777</td>
<td>15</td>
</tr>
</tbody>
</table>

**DAILY MORTALITY IN LA COUNTY**

![Graph showing daily mortality in LA County]

**KEY TAKEAWAYS**

LA County accounts for **39.5%** of deaths in CA with an average of **22** new deaths reported from 4/20 to 4/26 (**-8.3%** decrease)

**CUMULATIVE DEATHS**

![Graph showing cumulative deaths]

**Source:** Los Angeles County Department of Public Health, Johns Hopkins Center for Systems Science and Engineering GitHub repo, LA County Department of Public Health, COVIDTracking.com, and the LA Times.
KEY TAKEAWAYS

Source: City of Los Angeles

LA City Testing Updates

TESTS COMPLETED

7.2K
City Tests
Since last report

4.25M
City Tests
Since 3/20/20

AVAILABILITY

10
Total City Sites
Available Today

*Public test registration. It does not include registration of critical city employees, first responders, and health care providers.

All metrics as of April 25, 2021

DAILY TESTS

<table>
<thead>
<tr>
<th>Year</th>
<th>Daily Tests Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>7/1  11,029  3,098</td>
</tr>
<tr>
<td></td>
<td>8/1  11,448  11,287</td>
</tr>
<tr>
<td></td>
<td>9/1  15,357  16,827</td>
</tr>
<tr>
<td></td>
<td>10/1 24,399  38,230</td>
</tr>
<tr>
<td></td>
<td>11/1 21,209  24,399</td>
</tr>
<tr>
<td></td>
<td>12/1  8,893  4,830</td>
</tr>
<tr>
<td>2021</td>
<td>4/1   556</td>
</tr>
</tbody>
</table>

TESTING IN LA CITY

11.5%
Cumulative Positivity Rate - Tests

- At least 4,252,173 tests have been performed at City of Los Angeles since 3/20/20
- On average, 3,237 tests were performed each day from 4/19 to 4/25
- 465,311 of the 4,107,964 tests for which results were received were positive (11.5%)
LA Testing Updates • Positivity Rate

**POSITIVITY RATE IN CITY OF LA** (1-day lag for cumulative/2-day lag for 7-day rate)

**TESTS COMPLETED**
- City Tests Since last report: 7.2K
- City Tests Since 3/20/20: 4.25M

**AVAILABILITY**
- Total City Sites Available Today: 10

**POSITIVITY RATE**
- Cumulative City - Tests: 11.5%
- Cumulative County - Tests: 8.1%
- Cumulative County - People: 17.8%
- County's 7-day Rate For Tests (1 week lag): 0.9%
- City's 7-day Rate For Tests (2 day lag): 2.72%

*Public test registration. It does not include registration of critical city employees, first responders, and health care providers.

**KEY TAKEAWAYS**

LA County has tested a total of at least **6,443,228** people and a total of **18,172,665** specimens (tests).

**COUNTY POSITIVITY RATE** (7-day lag)

- Asymptomatic Testing Begins
- City positive rate as of April 25/April 24, 2021
- County metrics as of April 19, 2021

**Legend:**
- 7-Day Positivity Rate
- Cumulative Positive Test Rate

**Source:** City of Los Angeles
At least 67,448 people have been hospitalized since 3/18/2020.

Currently Hospitalized: +1% change
ICU Hospitalized: -1% change
COVID-19 Vaccinations Administered at City Sites

CITY OF LOS ANGELES
1,185,307 Vaccines Received
1,137,829 Vaccines Administered

LOS ANGELES COUNTY (AS OF 4/25)
7,160,274 Vaccines Administered*

*County vaccine numbers from California’s public vaccine portal. Counts here may vary from other official DPH sources.

DAILY COVID-19 VACCINES ADMINISTERED AT LA CITY SITES

Phase 1A Tier 1
Phase 1B Tier 1 (65+)
Phase 1B Tier 1 (Food and Agriculture; Emergency Services; Education and Childcare)
Janitorial, Custodial, and Maintenance Services; Transportation and Logistics; Residents or workers at Congregate Spaces; Individuals w/ Health Conditions and Disabilities
Age-based eligibility (50+)

Of the total administered: 29,682 vaccines have been administered to City Depts, 1,070 at SNFs, 915 at DHP, and 1,010,376 at City sites

CUMULATIVE VACCINES AT CITY SITES

1,010,376
7,520
12/30/2020
4/24/2021

Source: LAFD

All metrics as of April 24, 2021 unless otherwise noted

Note: The City supply/administered count includes vaccines at City sites (including mobile vaccinations), LAFD, and Skilled Nursing Facilities (SNF). It does not include LA City Recreation and Parks locations where the City is supporting LA County DPH.
DEMOGRAPHIC BREAKDOWN OF 65+ POPULATION IN LA COUNTY/LA CITY

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Percent of 65+ Population (LA County)</th>
<th>Percent of 65+ Population (LA City)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian</td>
<td>19.7%</td>
<td>16.7%</td>
</tr>
<tr>
<td>Black</td>
<td>8.8%</td>
<td>10.8%</td>
</tr>
<tr>
<td>Latino/Hispanic</td>
<td>30.3%</td>
<td>28.8%</td>
</tr>
<tr>
<td>Native American</td>
<td>0.8%</td>
<td>0.7%</td>
</tr>
<tr>
<td>Other</td>
<td>10.4%</td>
<td>11.5%</td>
</tr>
<tr>
<td>Pacific Islander/Native Hawaiian</td>
<td>0.2%</td>
<td>0.1%</td>
</tr>
<tr>
<td>White (Non-Hispanic)</td>
<td>39.5%</td>
<td>42.2%</td>
</tr>
</tbody>
</table>

**Note:** As race and ethnicity are considered different metrics, there may be overlap between Hispanic/Latino and other demographics.

**Source:** Carbon Health for Vaccine Appointment Data, 2019 ACS for LA County Demographics

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**First-Dose Vaccines Administered by Demographics at City Sites**

**AGE**
- 0.4% 0 to 17 yrs
- 14.6% 18 to 29 yrs
- 30.6% 30 to 49 yrs
- 25.5% 50 to 64 yrs
- 29% 65+

**GENDER**
- 48% Male
- 52% Female
- 0.1% No Info

**BREAKDOWN OF FIRST-DOSE VACCINES ADMINISTERED BY RACE**

- American Indian or Alaska Native: 1%
- Asian: 20%
- Black or African American: 5%
- Hispanic/Latino: 36%
- Other: 4%
- White: 33%
First-Dose Vaccines Administered by Demographics at City Mobile Sites

All metrics as of April 23, 2021  
Note: This slide updates on Fridays.

**BREAKDOWN OF MOBILE FIRST-DOSE VACCINES ADMINISTERED BY RACE**

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Percent of 65+ Population in LA County</th>
<th>Percent of 65+ Population (Within 3 mi radius of mobile sites)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian</td>
<td>19.7%</td>
<td>17.0%</td>
</tr>
<tr>
<td>Black</td>
<td>8.8%</td>
<td>15.6%</td>
</tr>
<tr>
<td>Latino/Hispanic</td>
<td>30.3%</td>
<td>27.9%</td>
</tr>
<tr>
<td>Native American</td>
<td>0.8%</td>
<td>0.4%</td>
</tr>
<tr>
<td>Other</td>
<td>10.4%</td>
<td>11.5%</td>
</tr>
<tr>
<td>Pacific Islander/Native Hawaiian</td>
<td>0.2%</td>
<td>0.1%</td>
</tr>
<tr>
<td>White (Non-Hispanic)</td>
<td>39.5%</td>
<td>27.5%</td>
</tr>
</tbody>
</table>

Note: As race and ethnicity are considered different metrics, there may be overlap between Hispanic/Latino and other demographics.

Source: Carbon Health for Vaccine Appointment Data  
2019 ACS for LA County Demographics
# Vaccines Administered by Demographics for LA County

## People with at least one dose of vaccine administered by age in Los Angeles County

<table>
<thead>
<tr>
<th>Age Group</th>
<th>% of vaccines administered</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-17</td>
<td>0.8%</td>
</tr>
<tr>
<td>18-49</td>
<td>44.8%</td>
</tr>
<tr>
<td>50-64</td>
<td>27.8%</td>
</tr>
<tr>
<td>65+</td>
<td>26.6%</td>
</tr>
</tbody>
</table>

## People with at least one dose of vaccine administered by gender in Los Angeles County

<table>
<thead>
<tr>
<th>Gender</th>
<th>% of vaccines administered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>54.4%</td>
</tr>
<tr>
<td>Male</td>
<td>45.4%</td>
</tr>
<tr>
<td>Unknown/Undifferentiated</td>
<td>0.2%</td>
</tr>
</tbody>
</table>

Source: [https://covid19.ca.gov/vaccines/#California-vaccines-dashboard](https://covid19.ca.gov/vaccines/#California-vaccines-dashboard)
COVID-19 DATA SUMMARY

Testing Details
Key Takeaways:

From 4/17 to 4/23, the positive testing rate decreased for all age groups

Current positive rates by age group:

- 1.7% for ages 0 to 17
- 3.5% for ages 18 to 29
- 2.8% for ages 30 to 49
- 2.8% for ages 50 to 64
- 2.2% for ages 65+

Source: Healthvana

Prepared by Mayor’s Innovation Team
Key Takeaways:

- Last week’s overall positive rate for symptomatic and asymptomatic individuals is 2.7%.
- Individuals experiencing symptoms are testing positive at a rate of 5.8%.
- Individuals not experiencing symptoms are testing positive at a rate of 1.8%.*

Note: A portion of test results reported from 9/23 to 10/23 and in late November are missing symptom-type information.

*Overall positive rate only (not cumulative) only includes data results with complete symptomatic/asymptomatic information.

Source: Healthvana
Prepared by Mayor’s Innovation Team
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Weekly City Positive Testing by Race
June 23, 2020 to April 23, 2021 • Three-day lag

Key Takeaways:
Positive testing rates from 4/17 to 4/23

- Overall Positive Rate: 2.7%
- Hispanic/Latino: 2.6%
- American Indian/Alaska Native: 1.03%
- Black: 2.9%
- Native Hawaiian/Pacific Islander: 4.1%
- White: 2.8%
- Asian: 1.9%
- Multiracial: 2.9%
- Other: 4.7%

Source: Healthvana
Prepared by Mayor’s Innovation Team
**Key Takeaways:**
Positive Testing Rates from 6/23/20 to 4/23/21

- Overall Positive Rate: 12.3%
- Hispanic/Latino: 18.8%
- American Indian/Alaska Native: 13.3%
- Black: 7.0%
- Native Hawaiian/Pacific Islander: 7.7%
- White: 4.6%
- Asian: 5.5%
- Multiracial: 5.0%
- Other: 13.0%

Source: Healthvana
*Only data with complete race/ethnicity information was included

Prepared by Mayor’s Innovation Team
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COVID-19 DATA SUMMARY

Comparative Updates
**City + County + State Update**

As of April 26, 2021, Updated 1:00pm

**Daily Confirmed Cases, 7-Day Average**

- **Week of 4/20 to 4/26**
  - **CA**: 1,863 (33.9% of cases in CA)
  - **LA County**: 409 (13.8% of cases in CA)
  - **City of LA**: 174

- **% Change from yesterday**
  - **CA**: -6.1%
  - **LA County**: -1.7%
  - **City of LA**: -1.2%

**Daily Confirmed Deaths, 7-Day Average**

- **Week of 4/20 to 4/26**
  - **CA**: 62 (39.5% of deaths in CA)
  - **LA County**: 22 (15.8% of deaths in CA)
  - **City of LA**: 9

- **% Change from yesterday**
  - **CA**: 2.6%
  - **LA County**: -8.3%
  - **City of LA**: -7.6%
End of Report
April 26, 2021