DAILY LOS ANGELES
COVID-19 Data Summary

Response Day 347
Monday, February 22, 2021

Prepared by
City of Los Angeles, Mayor Garcetti’s Innovation Team
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COVID-19 DATA SUMMARY

County Projections
KEY TAKEAWAYS:

• The number of new patients with COVID-19 requiring hospitalization each day across Los Angeles County has continued to decreased.

• Based on information that reflects transmission near the end of January, the estimated transmission number (“R”) at that time is 0.78 with an uncertainty of 0.71 to 0.83. Our prior estimate for one week ago was similar at 0.81 with an uncertainty of 0.76 to 0.85.

• Based on the pattern in hospitalizations, we expect a decreasing demand for hospital-based services including hospital beds, ICU beds, and ventilators over the next 4 weeks.

• Daily mortality is falling and is predicted to continue to fall.

• An increase in behaviors that increase transmission could lead to a new upturn in the number of hospitalized patients in about 3 weeks’ time.

HOW MANY IN LOS ANGELES ARE INFECTIOUS?

The model suggests that about 0.14% (uncertainty of 0.08% to 0.23%) of everyone in Los Angeles County is currently infected and infectious to others.

This would suggest about 1 in 730 (between 1 in 1,200 and 1 in 440) Los Angeles County residents are currently infectious to others. One week ago, this estimate was 1 in 460.

Approximately 1 in 3 persons in Los Angeles County has been infected with COVID-19 since the beginning of the pandemic.
Note: We have adjusted the R that we present to account for the fraction of the population that is presumed to be immune to reinfection. At the beginning of the pandemic, this fraction was essentially zero so this would not have made any difference. But as more people have been infected, and are presumed to have immunity, we are presenting an R that includes this factor.
LOS ANGELES COUNTY
PROJECTIONS

Hospital New Patient Projections
As of February 19, 2021

Start date July 1
Scale 0 to 1500/day

Where we are today

Additional uncertainty if transmission behavior varies

Uncertainty with no recent change in transmission behavior

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Source: Los Angeles County Department of Health Services
Predictions of Demand in LA County | Hospital Beds
As of February 19, 2021

Start date July 1
Scale 0 to 15,000

Bed Capacity for COVID-19 Patients

Where we are today

Additional uncertainty if transmission behavior varies
Uncertainty with no recent change in transmission behavior

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Source: Los Angeles County Department of Health Services
Predictions of Demand in LA County | Ventilators
As of February 19, 2021

Ventilator Availability for COVID-19 Patients

Start date July 1
Scale 0 to 2,000

Where we are today

Additional uncertainty if transmission behavior varies

Uncertainty with no recent change in transmission behavior

Source: Los Angeles County Department of Health Services
Predictions of Daily Mortality LA County
As of February 19, 2021

Start date July 1
Scale 0 to 300/day

○ Daily reported deaths
△ 7-day running average

Where we are today

Additional uncertainty if transmission behavior varies
Uncertainty with no recent change in transmission behavior
New reopening metrics and tier assignment were previously announced on Tuesdays. On November 16, the State announced that it may start reporting metrics more frequently and on days other than Tuesdays.

All metrics are evaluated on a 7-day lag. Current data range: 1/31/21 - 2/6/21

**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.

Source: California Department of Public Health
Prepared by Mayor’s Innovation Team
### LOS ANGELES COUNTY KEY METRICS

**As of February 22, 2021, 3 PM**

<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>New Cases (7-day avg.)</td>
<td>1,970 (7-day avg)</td>
<td>-</td>
<td>-33.8%</td>
<td>+88.8%</td>
<td></td>
</tr>
<tr>
<td>New Deaths (7-day avg.)</td>
<td>119 (7-day avg)</td>
<td>-</td>
<td>-14.2%</td>
<td>+135.9%</td>
<td></td>
</tr>
<tr>
<td>COVID 7-Day Positive Test Rate (as of one week ago)</td>
<td>5% (overall)</td>
<td>-</td>
<td>-1.7%</td>
<td>-6.6%</td>
<td></td>
</tr>
<tr>
<td>New Hospitalizations (7-day average)**</td>
<td>165 (7-day avg)</td>
<td>-</td>
<td>-27.3%</td>
<td>+6.1%</td>
<td></td>
</tr>
<tr>
<td>Acute Care Bed Capacity (7-day average)**</td>
<td>477 (7-day avg)</td>
<td>+</td>
<td>+13.2%</td>
<td>-57.2%</td>
<td></td>
</tr>
<tr>
<td>ICU Bed Capacity (7-day average)**</td>
<td>89 (7-day avg)</td>
<td>+</td>
<td>+46.7%</td>
<td>-63.2%</td>
<td></td>
</tr>
<tr>
<td>LA City Crime (7-day avg) baseline = 2020 YTD</td>
<td>437 daily crimes (7-day avg) as of 2/13/2021</td>
<td>-</td>
<td>-10.5%</td>
<td>-23.5%</td>
<td></td>
</tr>
<tr>
<td>LA City Unemployment Ins. Claims (includes PUA) baseline = equivalent 2020 week</td>
<td>4,834 as of 2/6/2021</td>
<td>-</td>
<td>-22.7%</td>
<td>+135%</td>
<td></td>
</tr>
</tbody>
</table>

**Key Takeaways:**

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

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

**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 2/21/2021**

<table>
<thead>
<tr>
<th><strong>Undesired Trend</strong></th>
<th><strong>Desired Trend</strong></th>
<th><strong>Desired Change</strong></th>
<th><strong>Undesired Change</strong></th>
<th><strong>No Change</strong></th>
</tr>
</thead>
</table>

Source: Los Angeles County Department of Health, COVID Tracking Project

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COVID-19 DATA SUMMARY
United States Update
Cases have begun to decrease overall, but remain high. The top five states with the highest number of total cases are:

1. **California**: 3.4M cases (8,701 per 100K); 49.1K deaths (124.1 per 100K)
2. **Texas**: 2.6M cases (9,017 per 100K); 41.3K deaths (144.0 per 100K)
3. **Florida**: 1.8M cases (8,613 per 100K); 30.4K deaths (142.9 per 100K)
4. **New York**: 1.6M cases (8,078 per 100K); 37.9K deaths (193.7 per 100K)
5. **Illinois**: 1.2M cases (9,217 per 100K); 22.5K deaths (176.3 per 100K)

Georgia, Ohio, Pennsylvania, North Carolina, and Arizona follow to comprise the top 10 states reporting the highest numbers of total cases.

**California ranks** ...
#1 in Cumulative Cases  
#28 in Cases per 100K  
#1 in Cumulative Deaths  
#33 in Deaths per 100K  

Source: COVID Tracking Project and NY Times
NEW COVID-19 U.S. CASES AND DEATHS - Per Capita State Comparisons
As of February 21, 2021, 11:00 AM

Cases have begun to decrease overall, but remain high.
The top five states with the highest number of new cases are:

1. California: +6.8K cases
   280 additional deaths

2. New York: +6.6K cases
   75 additional deaths

3. Florida: +4.9K cases
   95 additional deaths

4. Texas: +4.5K cases
   130 additional deaths

5. South Carolina: +2.9K cases
   68 additional deaths

North Carolina, Virginia, New Jersey, Pennsylvania, Louisiana
follow to comprise the top 10 states reporting the highest numbers of new cases.

Legend for map

New cases per day in the United States

Source: COVID Tracking Project and NY Times
Top five per capita (per 100K) cases by County:

**Yuma, Arizona: 16,973 cases** per 100K (36,286 total cases)

**Lubbock, Texas: 15,448 cases** per 100K (47,976 total cases)

**Webb, Texas: 15,351 cases** per 100K (42,470 total cases)

**Whitfield, Georgia: 15,015 cases** per 100K (15,710 total cases)

**Imperial, California: 14,811 cases** per 100K (26,840 total cases)

**Los Angeles, California: 11,759 cases** per 100K (1,180,505 total cases)

*Los Angeles County ranks #28 out of 584 counties with 100K+*
COVID-19 U.S. DEATHS - Per Capita County Comparison (Counties >=100K ppl)
As of February 21, 2021, 11:00 AM

Top five per capita (per 100K) deaths by County:

**Navajo, Arizona: 430.9 deaths per 100K** (478 total deaths)

**Bronx, New York: 406.0 deaths per 100K** (5,758 total deaths)

**Queens, New York: 382.8 deaths per 100K** (8,628 total deaths)

**Yuma, Arizona: 360.6 deaths per 100K** (771 total deaths)

**Kings, New York: 349.1 deaths per 100K** (8,937 total deaths)

**Los Angeles, California: 198.1 deaths per 100K** (19,885 total deaths)

Los Angeles County ranks #112 out of 584 counties with 100K+
COVID-19 • LOS ANGELES

Key Indicators
Cases, Deaths, Testing, and Hospitalizations
KEY TAKEAWAYS

• The past seven days have seen an average daily increase of 1,970 new cases

• The past seven days have seen an average daily increase of 119 new deaths

Legend:
- New Cases (7-Day Rolling Average)
- New Deaths (7-Day Rolling Average)
- Safer At Home (SAH) Restriction Lifted
- SAH Restriction Reinstituted

Note: The reported cases on 12/14 were artificially low due to backlogs from certain labs

Source: Los Angeles County New Cases and New Deaths, 7-Day Average
<table>
<thead>
<tr>
<th></th>
<th>LOS ANGELES</th>
<th>CALIFORNIA</th>
<th>UNITED STATES</th>
<th>GLOBAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infection Rate</td>
<td>0.78</td>
<td>4.665</td>
<td>54,600</td>
<td>373,862</td>
</tr>
<tr>
<td>New Cases</td>
<td>943</td>
<td>3,45M</td>
<td>28.2M</td>
<td>111.6M</td>
</tr>
<tr>
<td>Total Cases</td>
<td>1,181,403</td>
<td>1,181,403</td>
<td>54,600</td>
<td>373,862</td>
</tr>
</tbody>
</table>

LA County accounts for 34.3% of cases in CA with an average of 1,970 new cases reported from 2/16 to 2/22 (-6.3% 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.
LA County Mortality Updates

**LOS ANGELES**

<table>
<thead>
<tr>
<th>Mortality Rate</th>
<th>New Deaths</th>
<th>Total Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.7%</td>
<td>21</td>
<td>19,904</td>
</tr>
</tbody>
</table>

**CALIFORNIA**

<table>
<thead>
<tr>
<th>New Deaths</th>
<th>Total Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>233</td>
<td>49,338</td>
</tr>
</tbody>
</table>

**UNITED STATES**

<table>
<thead>
<tr>
<th>New Deaths</th>
<th>Total Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,557</td>
<td>500.1K</td>
</tr>
</tbody>
</table>

**GLOBAL**

<table>
<thead>
<tr>
<th>New Deaths</th>
<th>Total Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,782</td>
<td>2.5M</td>
</tr>
</tbody>
</table>

**DAILY MORTALITY IN LA COUNTY**

LA County accounts for **40.3%** of deaths in CA with an average of **119** new deaths reported from 2/16 to 2/22 (-0.9% 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.
KEY TAKEAWAYS

• At least 4,008,587 tests have been performed at City of Los Angeles since 3/20

• On average, 5,785 tests were performed each day from 2/15 to 2/21

• 458,087 of the 3,939,921 tests for which results were received were positive (11.8%)
LA Testing Updates • Positivity Rate

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

City positive rate as of February 21/February 20, 2021
County metrics as of February 15, 2021

PREPARED BY MAYOR’S INNOVATION TEAM

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

Source: City of Los Angeles
At least 63,433 people have been hospitalized since 3/18

CURRENTLY HOSPITALIZED: -3% change

ICU HOSPITALIZED: -2.8% change

Legend (for graph on left)
- New Hospitalizations (7 Day Rolling Average)
- New Hospitalizations

Source: New Hospitalizations data from County HavBed Bed Tracking, County Hospitalization data from CA Open Data Portal
COVID-19 • LOS ANGELES

COVID Vaccinations
COVID-19 Vaccinations Administered at City Sites

LOS ANGELES COUNTY (AS OF 2/18)
Vaccines Administered 1,831,075
Vaccines Remaining 1,676,900
Vaccines Allocated 154,175

CITY OF LOS ANGELES (AS OF 2/21)
Vaccines Administered 442,647
Vaccines Remaining 349,156
Vaccines Administered 342,706

**KEY TAKEAWAYS**

Of the total administered: **5,380** vaccines have been administered to LAFD, **1,070** at SNFs, and **342,706** at City Sites

**CUMULATIVE VACCINES AT CITY SITES**

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

Note: The City supply/administered count includes vaccines at City sites, LAFD, and Skilled Nursing Facilities (SNF). It does not include Recreation and Parks locations where the City is supporting LA County DPH.
COVID-19 Vaccinations Administered by County at RAP PODs

DAILY COVID-19 VACCINES ADMINISTERED AT RECREATION AND PARKS/DPH SITES

KEY TAKEAWAYS

48,677
Vaccines Administered

CUMULATIVE VACCINES AT RAP PODS

Source: LAFD

All metrics as of February 17, unless otherwise noted.

Note: All totals on this page are for vaccines administered at Recreation and Parks (RAP) locations where the City is supporting LA County Department of Public Health (DPH). The vaccines administered at these sites do not come from the City’s vaccine supply. The totals using the City’s allocated supply are highlighted on the previous slide.
Vaccines Administered by Demographics for LA County

People with at least one dose of vaccine administered by race and ethnicity in Los Angeles County

- American Indian or Alaska Native (AI/AN): 0.1%
- Asian American: 14.6%
- Black: 4.1%
- Latino: 23.2%
- Multi-race: 18.5%
- Native Hawaiian or Other Pacific Islander (NHPI): 0.4%
- White: 21.9%
- Other: 12.9%
- Unknown: 4.2%

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

- 0-17: 0%
- 18-49: 30.1%
- 50-64: 16.9%
- 65+: 53%

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

- Female: 58.5%
- Male: 41.3%
- Unknown/Undifferentiated: 0.2%

Source: https://covid19.ca.gov/vaccines/#California-vaccines-dashboard

Prepared by Mayor's Innovation Team
Cases by Demographics

All metrics last updated at 1 PM, February 17, 2021

13% 0 to 17 yrs
23.7% 18 to 29 yrs
33.4% 30 to 49 yrs
19.2% 50 to 64 yrs
10.6% 65+

KEY TAKEAWAYS

Data is incomplete with 24.0% of cases still under investigation

MOST IMPACTED GROUPS

• Hispanic/Latino Americans
• Females
• 30-59 year olds
• 18-29 year olds
• Native Hawaiian or Other Pacific Islander

Legend:
- Percent of LA County Population
- Percent of Total Cases

Source: Los Angeles Department of Public Health

Prepared by Mayor’s Innovation Team
Deaths by Demographics

All metrics last updated at 1 PM, February 17, 2021

0% 0.6% 6.6% 20.2% 72.6%
0 to 17 yrs 18 to 29 yrs 30 to 49 yrs 50 to 64 yrs 65+

KEY TAKEAWAYS

• Data is incomplete with 1.2% of Deaths still under investigation
• As of December 19, 2020, 8,192 out of 8,875 deaths (92.3%) had comorbidities (underlying conditions)

MOST IMPACTED GROUPS

• 65+
• Males
• Hispanic/Latino Americans
• Black Americans
• Native Hawaiian or Other Pacific Islander

Legend

Source: Los Angeles Department of Public Health
COVID-19 DATA SUMMARY
Testing Details
Key Takeaways:

From 2/13 to 2/19, the positive testing rate decreased for all age groups.

Current Positive Rates by Age Group:
- 164% for ages 0-17
- 8.5% for ages 18-29
- 8.4% for ages 30-49
- 11.3% for ages 50-64
- 12.5% for ages 65+

Source: Healthvana

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Key Takeaways:

• Individuals experiencing symptoms are testing positive at a rate of **15.7%**

• Individuals not experiencing symptoms are testing positive at a rate of **8.2%***

• Last week’s overall positive rate for symptomatic and asymptomatic individuals is **9.9%**

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

Note: A portion of test results reported from 9/23 to 10/23 and in late November are missing symptom-type information
Key Takeaways:
Positive testing rates from 2/13 to 2/19*

- Hispanic/Latino—13.7%
- American Indian/Alaska Native—8.3%
- Black—4.1%
- Native Hawaiian/Pacific Islander—7.4%
- White—5.4%
- Asian—6.6%
- Overall Positive Rate: 9.8%
Key Takeaways:
Positive Testing Rates from 6/23 to 2/19

- Hispanic/Latino—19.7%
- American Indian/Alaska Native—14%
- Other—13.6%
- Native Hawaiian/Pacific Islander—7.9%
- Black—7.5%
- Asian—5.7%
- Multi-racial—5.1%
- White—4.7%

- Overall Positive Rate: 12.9%

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

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COVID-19 DATA SUMMARY

Comparative Updates
City + County + State Update
As of February 22, 2021, Updated 1:00 PM

Daily Confirmed Cases, 7-Day Average

- Week of 2/16 to 2/22
  - CA: 5,749 (34.3% of cases in CA)
  - LA County: 1,970 (13.9% of cases in CA)
  - City of LA: 789
  - % Change from yesterday: -4.3%, -6.3%, -7.3%

Weekly Confirmed Deaths, 7-Day Average

- Week of 2/16 to 2/22
  - CA: 328 (40.3% of deaths in CA)
  - LA County: 119 (16.4% of deaths in CA)
  - City of LA: 43
  - % Change from yesterday: 1.5%, -0.9%, -3.9%

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

Day of outbreak is identified as March 11, with prior cases aggregated to day 1. LA City death count lags several days.
COVID-19 • LOS ANGELES COUNTY
Medical Capacity and Supplies
Key Takeaways:
789 total beds

Since last week, there has been a:
• **61.8% increase** in available acute care beds. Surge capacity is 13,400.*

• **39.8% increase** in available ICU beds. Surge capacity is 3,000.*

• **.3% increase** in available ventilators. Surge capacity is 3,199.*

*Additional surge capacity beyond these numbers may be possible based on an individual hospital's bed and staff surge plans.

Prepared by Mayor's Innovation Team

Source: County HavBed Bed Tracking and Los Angeles County Department of Public Health Services/Reddinet.
This is self reported data subject to error, represents 70 designated 9-1-1 receiving hospitals.
Hospital Bed and Equipment Capacity for LA County
As of February 21, 2021 • One-day lag

Note: Additional surge capacity beyond these numbers may be possible based on an individual hospital’s bed and staff surge plans.

Source: County HavBed Bed Tracking and Los Angeles County Department of Public Health Services/Reddinet
This is self-reported data subject to error, represents 70 designated 9-1-1 receiving hospitals
COVID-19 DATA SUMMARY

City Response and Preparedness
Hotline Services: 311 Calls

<table>
<thead>
<tr>
<th></th>
<th>16</th>
<th>518</th>
<th>846.2K</th>
<th>53.3K</th>
<th>30,455</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVID Related</td>
<td>3.09%</td>
<td></td>
<td>846.2K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Related Calls</td>
<td></td>
<td>518</td>
<td>53.3K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All 311/Hotline</td>
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<td></td>
<td>33.9K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calls Since 3/26</td>
<td></td>
<td></td>
<td>33.9K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Calls for</td>
<td></td>
<td></td>
<td>33.9K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Angeleno Card</td>
<td></td>
<td></td>
<td>33.9K</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

KEY TAKEAWAYS

3.09% of the total 311 calls were COVID-related.
Wait time was 3.1 mins for each call.

CALL THEMES

- Vaccine availability or related complaints
- Testing or results
- Rent and financial assistance
- Restrictions and complaints

Legend:
- 311 - Non-COVID
- 311 - COVID

Source: ITA - 311 Contact Center
Key Takeaways:

• **4,834** new claims from 1/31-2/6, including Pandemic Unemployment Assistance (PUA).

• Spiked on 3/28/20 with **112K** new claims

• This represents an increase of over **4500%** from the weekly average from 1/1 - 3/7

• December’s preliminary unemployment (seasonally-adjusted) is estimated at **11%** for LA County slightly higher than the revised November numbers (10.9%)

• **1,407,799** total claims for Unemployment Insurance (UI) and Pandemic Unemployment Assistance (PUA) in 2020/21

*Note:* A major PUA backlog was found and reported over the two-week period from 8/23-9/5

Source: California EDD

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