DAILY LOS ANGELES
COVID-19 Data Summary

Response Day 267
Friday December 4, 2020
INDEX

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- United States Update
- Key Indicators
- Demographic Comparisons
- LA County/City/CA Updates
- Medical Capacity and Supplies
- City Response and Preparedness
- Economic Analysis
COVID-19 Highlights

News Snapshot
COVID-19 HEADLINES OF THE WEEK • As of December 4, 2020


A Jobs Report Without Silver Linings
The November numbers offer clues that what was once temporary unemployment is becoming more permanent.

Los Angeles Times
Newsom orders new limits on California businesses and activities as COVID-19 soars

THE CORONAVIRUS CRISIS
U.S. Hits 100,000 COVID-19 Hospitalizations, Breaks Daily Death Record

Source: NPR

THE WALL STREET JOURNAL
CDC Shortens Recommended Covid-19 Quarantine Period to Seven to 10 Days

Source: New York Times

Cyberattacks Discovered on Vaccine Distribution Operations

Los Angeles Times
Moderna asking U.S, European regulators to OK its virus shots

Source: New York Times

Los Angeles Times
Hopes raised that Congress will agree on a COVID-19 stimulus plan, but obstacles remain

Source: New York Times

U.K. Approves Pfizer Coronavirus Vaccine, a First in the West
New reopening metrics and tier assignment were previously announced on Tuesdays. On November 16, the State announced that they may start reporting metrics more frequently and on days other than Tuesdays.

All metrics are evaluated on a 7-day lag.

### 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. *California has not released new equity metrics since 11/10

<table>
<thead>
<tr>
<th>METRICS</th>
<th>REPORTING DATE</th>
<th>RATE</th>
<th>% DIFF VS LAST METRICS</th>
<th>LAST REPORTING DATE</th>
<th>LAST METRICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>New COVID-19 positive cases per 100K</td>
<td>12/1</td>
<td>40.3</td>
<td>+4.1%</td>
<td>11/28</td>
<td>38.7</td>
</tr>
<tr>
<td>Adjusted case rate for tier assignment</td>
<td>12/1</td>
<td>20.2</td>
<td>+4.1%</td>
<td>11/28</td>
<td>19.4</td>
</tr>
<tr>
<td>Positivity Rate</td>
<td>12/1</td>
<td>7.0%</td>
<td>+0.2% (% Point Difference)</td>
<td>11/28</td>
<td>6.8%</td>
</tr>
<tr>
<td>Health Equity Metric</td>
<td>11/10</td>
<td>6.5%</td>
<td>-0.3% (% Point Difference)</td>
<td>11/4</td>
<td>6.8%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>County risk level</th>
<th>New cases</th>
<th>positive tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDESPREAD</td>
<td>More than 7</td>
<td>More than 8%</td>
</tr>
<tr>
<td>SUBSTANTIAL</td>
<td>4 - 7</td>
<td>5 - 8%</td>
</tr>
<tr>
<td>MODERATE</td>
<td>1 - 3.9</td>
<td>2 - 4.9%</td>
</tr>
<tr>
<td>MINIMAL</td>
<td>Less than 1</td>
<td>Less than 2%</td>
</tr>
</tbody>
</table>

Source: California Department of Public Health

Prepared by Mayor’s Innovation Team
### Key Takeaways:
The following metrics have seen **undesirable** movement over the past seven days for which data are available: **New Cases, New Deaths**, 7-Day COVID Positive Test Rate (vs last week), New Hospitalizations, Acute Care Bed Capacity, ICU Bed Capacity (vs baseline), and Unemployment Insurance Claims.

The following metrics have seen **desirable** movement over the past seven days: New Deaths (vs baseline), 7-Day COVID Positive Test Rate (vs baseline), and LA City Crime.

*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 12/2/20

### METRICS

**As of December 4, 2020, 1 PM**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Today’s Averages</th>
<th>Trend vs Last Week</th>
<th>% Change vs Last Week</th>
<th>Trend vs Baseline</th>
<th>% Change vs Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New Cases</strong> (7-day avg.)</td>
<td>6,229 (7-day avg)</td>
<td>🔄</td>
<td>+40.7%</td>
<td>🔄</td>
<td>+497.2%</td>
</tr>
<tr>
<td><strong>New Deaths</strong> (7-day avg.)</td>
<td>35 (7-day avg)</td>
<td>🔄</td>
<td>+14.2%</td>
<td>🔄</td>
<td>-31.6%</td>
</tr>
<tr>
<td><strong>COVID 7-Day Positive Test Rate</strong> (as of one week ago)</td>
<td>8.1% (overall)</td>
<td>🔄</td>
<td>+1.2%</td>
<td>🔄</td>
<td>+3.5% COVID+ Test Rate is % Point Difference w/ baseline</td>
</tr>
<tr>
<td><strong>New Hospitalizations</strong> (7-day avg)*</td>
<td>280 (7-day avg)</td>
<td>🔄</td>
<td>+23.9%</td>
<td>🔄</td>
<td>+80%</td>
</tr>
<tr>
<td><strong>Acute Care Bed Capacity</strong> (7-day avg)*</td>
<td>497 (7-day avg)</td>
<td>🔄</td>
<td>-16.7%</td>
<td>🔄</td>
<td>-55.4%</td>
</tr>
<tr>
<td><strong>ICU Bed Capacity</strong> (7-day avg)*</td>
<td>107 (7-day avg)</td>
<td>🔄</td>
<td>+0.1%</td>
<td>🔄</td>
<td>-55.9%</td>
</tr>
<tr>
<td><strong>LA City Crime</strong> (7-day avg)</td>
<td>434 daily crimes</td>
<td>🔄</td>
<td>-10.8%</td>
<td>🔄</td>
<td>-23.7%</td>
</tr>
<tr>
<td><strong>LA City Unemployment Ins. Claims</strong> (includes PUA)</td>
<td>5,733 as of 11/21/2020</td>
<td>🔄</td>
<td>+22.1%</td>
<td>🔄</td>
<td>+385%</td>
</tr>
</tbody>
</table>

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

Prepared by Mayor’s Innovation Team
California again has the most cases and the Midwest remains an epicenter. There have been recent increases in parts of the Southwest as well. The top five states, based on overall cases include:

1. California: 1,286.6K cases (+22.0K) - 3252 per 100K
   19.6K deaths in California (+145) - 49.5 per 100K

2. Texas: 1,228.8K cases (+13.7K) - 4281 per 100K
   22.3K deaths in Texas (+255) - 77.5 per 100K

3. Florida: 1,022.4K cases (+9.9K) - 4799 per 100K
   19.2K deaths in Florida (+124) - 90.3 per 100K

4. Illinois: 770.1K cases (+10.5K) - 6044 per 100K
   13.8K deaths in Illinois (+157) - 108.2 per 100K

5. New York State: 685.4K cases (+11.3K) - 3507 per 100K
   27.0K deaths in New York State (+62) - 138.2 per 100K

Rounding out the top ten are:
- Georgia
- Wisconsin
- Michigan
- Pennsylvania
- Tennessee

California ranks...

- #1 in Cases
- #41 in Cases per 100K
- #3 in Deaths
- #37 in Deaths per 100K

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

Legend for map

New cases per day in the United States
California again has the most cases and the Midwest remains an epicenter. There have been recent increases in parts of the Southwest as well. The top five states, based on new cases over the last day include:

#1: 1,286.6K cases in California (+22.0K) - 3252 per 100K
19.6K deaths in California (+145) - 49.5 per 100K

#2: 1,228.8K cases in Texas (+13.7K) - 4281 per 100K
22.3K deaths in Texas (+255) - 77.5 per 100K

#3: 398.6K cases in Pennsylvania (+11.8K) - 3112 per 100K
11.1K deaths in Pennsylvania (+169) - 86.8 per 100K

#4: 685.4K cases in New York State (+11.3K) - 3507 per 100K
27.0K deaths in New York State (+62) - 138.2 per 100K

#5: 770.1K cases in Illinois (+10.5K) - 6044 per 100K
13.8K deaths in Illinois (+157) - 108.2 per 100K

Rounding out the top ten are: Florida, Michigan, Indiana, Kansas, Arizona

California ranks ...
#1 in Cases
#41 in Cases per 100K

#3 in Deaths
#37 in Deaths per 100K

Source: Los Angeles County Department of Health, COVID Tracking Project
Prepared by Mayor’s Innovation Team
Top 5 per capita (per 100K) cases by County:

**Potter, Texas (Amarillo): 11,350 cases** per 100K (13,326 total cases)

**Minnehaha, South Dakota (Sioux Falls): 10,963 cases** per 100K (21,173 total cases)

**Lubbock, Texas: 10,713 cases** per 100K (33,271 total cases)

**El Paso, Texas: 10,544 cases** per 100K (88,491 total cases)

**Woodbury, Iowa (Sioux City): 10,439 cases** per 100K (10,763 total cases)

**Los Angeles, California: 4,202 cases** per 100K (421,881 total cases)

Los Angeles County ranks #257 out of 584 counties with 100K+
COVID-19 US Deaths - Per Capita County Comparison (Counties $\geq$100K ppl)
As of December 3, 2020, 8:00 PM • One-day lag

Top 5 per capita (per 100K) deaths by County:

**Bronx, New York:** 354.3 deaths per 100K (5,024 total deaths)

**Queens, New York:** 326.8 deaths per 100K (7,365 total deaths)

**Kings, New York:** 293.4 deaths per 100K (7,512 total deaths)

**Essex, New Jersey (NYC Metro Area):** 281.6 deaths per 100K (2,250 total deaths)

**Cameron, Texas:** 266.3 deaths per 100K (1,127 total deaths)

**Los Angeles, California:** 77.5 deaths per 100K (7,782 total deaths)

Los Angeles County ranks #216 out of 584 counties with 100K+

Source: Los Angeles County Department of Health, Johns Hopkins University
Prepared by Mayor’s Innovation Team
LA County has established thresholds for additional actions if cases or hospitalizations continue to increase:

**THRESHOLD 1:**
- **Cases (5-day avg):** 4,000
- **Total Hospitalizations:** 1,750

Outdoor and indoor dining at restaurants, breweries, wineries and bars will be prohibited and these businesses will only be able to offer pick-up and delivery.

**THRESHOLD 2:**
- **Cases (5-day avg):** 4,000
- **Total Hospitalizations:** 1,750

A Safer at Home Order will be instituted for three weeks. A 10:00 p.m. to 6:00 a.m. curfew would be mandated, with essential workers exempt.
KEY TAKEAWAYS

The past seven days have seen an average daily increase of **6,229 new cases**

The past seven days have seen an average daily increase of **35 new deaths**

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

Source: Los Angeles County New Cases and New Deaths, 7-Day Average

Note: Between July 3-5, the County took their systems offline for an upgrade. Additionally, several testing sites were closed and at least one major lab did not report case results. Deaths were likely undercounted because the necessary verification steps extended beyond the weekend due to holiday. As a result, all data during this time period is skewed.

New Los Angeles County case counts for 10/22-10/24 are inflated due to data backlogs from 10/17-10/21.
<table>
<thead>
<tr>
<th>Source</th>
<th>Los Angeles</th>
<th>California</th>
<th>United States</th>
<th>Global</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infection Rate</td>
<td>1.14</td>
<td>1.29M</td>
<td>14.2M</td>
<td>65.6M</td>
</tr>
<tr>
<td>Total Cases</td>
<td>430,583</td>
<td>22,018</td>
<td>236,727</td>
<td>709,303</td>
</tr>
<tr>
<td>New Cases</td>
<td>8,860</td>
<td>22,018</td>
<td>14.2M</td>
<td>65.6M</td>
</tr>
</tbody>
</table>

**KEY TAKEAWAYS**

- LA County accounts for **33.5%** of cases in CA with an average of **6,229** new cases reported from 11/27 to 12/4 (1.6% increase).

**CUMULATIVE CASES**

- 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

**HOTLINE SERVICES**

Key Takeaways

- LA County accounts for **40.0%** of deaths in CA with an average of **35** new deaths reported from 11/27 to 12/4 (0.5% increase).

**Cumulative Deaths in LA**

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

- At least **2,558,288** tests have been performed at City of Los Angeles since 3/20

- On average, **26,781** tests were performed each day from 11/27 to 12/3

- **169,320** of the **2,473,535** tests for which results were received were positive (6.9%)

Source: City of Los Angeles
LA Testing Updates • Positivity Rate

TESTS COMPLETED
33.7K
City Tests
Since last report
2.56M
City Tests
Since 3/20

AVAILABILITY
10
Total City Sites
Available Today
39K
Avail. City Testing
Capacity Today

POSITIVITY RATE
6.9%
Cumulative
City - Tests
6.5%
Cumulative
County - Tests
10.5%
Cumulative
County - People
8.10%
County’s 7-day Rate
For Tests (1 week lag)
14.85%
City’s 7-day Rate
For Tests (2 day lag)

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

LA County has tested a total of at least 3,838,249 people and a total of 8,110,419 specimens (tests)

Prepared by Mayor’s Innovation Team
**Key Takeaways**

- At least 30,585 people have been hospitalized since 3/18

**Currently Hospitalized:** +3.8%

**Increase in ICU:** +1.9%

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**Los Angeles**

<table>
<thead>
<tr>
<th>New Hospitalizations</th>
<th>Current Hospitalizations</th>
<th>Total Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>312</td>
<td>2,769</td>
<td>30.6K</td>
</tr>
</tbody>
</table>

**Equipment Availability**

<table>
<thead>
<tr>
<th>Total Beds</th>
<th>Acute Care Beds</th>
<th>ICU Beds</th>
<th>Ventilators</th>
</tr>
</thead>
<tbody>
<tr>
<td>433</td>
<td>357</td>
<td>76</td>
<td>1035</td>
</tr>
</tbody>
</table>

**Legend** (for graph on left)

- New Hospitalizations (7 Day Rolling Average)
- New Hospitalizations

**Source:** City of Los Angeles

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

<table>
<thead>
<tr>
<th>Age</th>
<th>Percent of Total Cases Compared to Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 17</td>
<td>11%</td>
</tr>
<tr>
<td>18 to 29</td>
<td>25%</td>
</tr>
<tr>
<td>30 to 49</td>
<td>34%</td>
</tr>
<tr>
<td>50 to 64</td>
<td>19%</td>
</tr>
<tr>
<td>65+</td>
<td>11%</td>
</tr>
</tbody>
</table>

Key Takeaways

- Data is incomplete with 34.4% of cases still under investigation.

Most Impacted Groups

- Hispanic/Latino Americans
- Females
- 30-59 year olds
- 18-29 year olds

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

Source: Los Angeles Department of Public Health.
# Deaths by Demographics*

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Deaths</th>
<th>Percentage of Total Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 17 yrs</td>
<td>20,996</td>
<td>0%</td>
</tr>
<tr>
<td>18 to 29 yrs</td>
<td>171,342</td>
<td>1%</td>
</tr>
<tr>
<td>30 to 49 yrs</td>
<td>2,723,450</td>
<td>6%</td>
</tr>
<tr>
<td>50 to 64 yrs</td>
<td>1,856,788</td>
<td>19%</td>
</tr>
<tr>
<td>65+</td>
<td>1,856,788</td>
<td>74%</td>
</tr>
</tbody>
</table>

## Key Takeaways
- Data is incomplete with **0.3% of deaths still under investigation**
- 7146 out of 7639 deaths (93.5%) had comorbidities (underlying conditions)

## Most Impacted Groups
- 65+
- Males
- Hispanic/Latino Americans
- Black Americans

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**Legend**
- Percent of LA County Population
- Percent of Total Deaths

**Source:** Los Angeles Department of Public Health.
COVID-19 DATA SUMMARY

Comparative Updates
Key Takeaways from 11/28 to 12/4:
- 115,233 positive cases reported in CA from (16.3% increase)
- 43,601 positive cases reported in LA County (40.7% increase)
- 17,421 positive cases reported in the City of LA (48.6% increase)

Key Takeaways from 11/27 to 12/4:
- An average of 16,462 cases reported in CA (1.3% increase)
- LA County accounts for 33.5% of cases in CA, with an average of 6,229 new cases reported (1.6% increase)
- The City of LA accounts for 13.7% of cases in CA, with an average of 2,489 new cases reported (1.6% increase)
**Mortality**

**City + County + State Update**
As of December 4, 2020, 1:30 PM

**Key Takeaways:**
- 549 deaths reported in CA from 11/28 to 12/4 (15.3% increase)
- 242 deaths reported in LA County from 11/28 to 12/4 (14.2% increase)
- 76 deaths reported in the City of LA from 11/28 to 12/4 (8.4% decrease)

**Average Deaths:**
- An average of 78 deaths reported in CA from 11/27 to 12/4 (0.4% increase)
- LA County accounts for 40.0% of deaths in CA with an average of 35 new deaths reported from 11/27 to 12/4 (0.5% increase)
- The City of LA accounts for 16.7% of deaths in CA with an average of 11 new deaths reported from 11/27 to 12/4 (0.3% increase)

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:
433 total beds

Since last week, there has been a:
• 38.7% decrease in available acute care beds. Surge capacity is 11,482
• 42.0% decrease in available ICU beds. Surge capacity is 4,067
• 2.6% decrease in available ventilators. Surge capacity is 3,199

Hospital Bed and Equipment Capacity for LA County
As of December 3 • One-day lag

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 December 3 • One-day lag

ICU BEDS

<table>
<thead>
<tr>
<th>Date</th>
<th>Beds</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/27</td>
<td>1,510</td>
</tr>
<tr>
<td>11/28</td>
<td>1,524</td>
</tr>
<tr>
<td>11/29</td>
<td>1,520</td>
</tr>
<tr>
<td>11/30</td>
<td>1,526</td>
</tr>
<tr>
<td>12/1</td>
<td>1,572</td>
</tr>
<tr>
<td>12/2</td>
<td>1,631</td>
</tr>
<tr>
<td>12/3</td>
<td>1,524</td>
</tr>
</tbody>
</table>

ACUTE CARE BEDS

<table>
<thead>
<tr>
<th>Date</th>
<th>Beds</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/27</td>
<td>10,440</td>
</tr>
<tr>
<td>11/28</td>
<td>10,460</td>
</tr>
<tr>
<td>11/29</td>
<td>10,351</td>
</tr>
<tr>
<td>11/30</td>
<td>10,470</td>
</tr>
<tr>
<td>12/1</td>
<td>10,665</td>
</tr>
<tr>
<td>12/2</td>
<td>10,865</td>
</tr>
<tr>
<td>12/3</td>
<td>11,436</td>
</tr>
</tbody>
</table>

VENTILATORS

<table>
<thead>
<tr>
<th>Date</th>
<th>Ventilators</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/27</td>
<td>652</td>
</tr>
<tr>
<td>11/28</td>
<td>697</td>
</tr>
<tr>
<td>11/29</td>
<td>615</td>
</tr>
<tr>
<td>11/30</td>
<td>743</td>
</tr>
<tr>
<td>12/1</td>
<td>717</td>
</tr>
<tr>
<td>12/2</td>
<td>716</td>
</tr>
<tr>
<td>12/3</td>
<td>835</td>
</tr>
</tbody>
</table>

*No data for 7/31 currently available

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

Prepared by Mayor's Innovation Team

Page 30
COVID-19 DATA SUMMARY
City Response and Preparedness
### Hotline Services: 311 Calls

<table>
<thead>
<tr>
<th></th>
<th>COVID Related Calls</th>
<th>3,092</th>
<th>666.3K All 311/Hotline Calls Since 3/26</th>
<th>38.3K Total COVID Calls - Since 3/26</th>
<th>30,455 Total Calls for Angeleno Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVID Related Calls</td>
<td>243</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-COVID Related Calls</td>
<td>3,092</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### KEY TAKEAWAYS

Increased COVID related calls due to Mayor’s announcement; relaxed parking enforcement; and some calls regarding SERVE program.

### CALL THEMES

- Questions about restrictions/travel
- Relaxed Parking Enforcement
- Testing
- Rent/financial assistance

### Legend:

- **311 - COVID**
- **311 - Non-COVID**

### Source:

ITA - 311 Contact Center
COVID-19 • Los Angeles City Overview

Economic Analysis
Key Takeaways:
• 5.7K new claims from 11/15-11/21, including Pandemic Unemployment Assistance (PUA).
• Spiked on 3/28 with 112K new claims
• This represents an increase of over 4500% from the weekly average from 1/1 - 3/7

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

ECONOMIC ANALYSIS

New Unemployment Insurance (UI) Claims for the City of Los Angeles
As of November 21, 2020

Source: California EDD
Prepared by Mayor’s Innovation Team
Page 34
Key Takeaways:
- September unemployment (seasonally-adjusted) is estimated at \(12.3\%\) for LA County. This is lower than September’s numbers (15.5%).
- 1,330,918 total claims for Unemployment Insurance (UI) and Pandemic Unemployment Assistance (PUA) in 2020.
End of Report
December 4, 2020