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- LA County Update
- New & Total Cases - City + County + State
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- Hospitalizations
- School Reopenings
- Flu Vaccines
- City Response and Preparedness
- Behavior Analysis
- Economic Analysis
- Actions this past Month
COVID-19 Highlights

Headlines of the Week
COVID-19 HEADLINES OF THE WEEK • As of December 2, 2020

THE WALL STREET JOURNAL

CDC Shortens Recommended Covid-19 Quarantine Period to Seven to 10 Days

Los Angeles Times

Coronavirus Was In U.S. Weeks Earlier Than Previously Known, Study Says

Los Angeles Times

Modernas asking U.S, European regulators to OK its virus shots

Los Angeles Times

California stay-at-home order looms as COVID-19 cases explode

THE WALL STREET JOURNAL

Coronavirus Stimulus Talks Restart as Centrists Unveil Bipartisan Plan

Bloomberg

Prognosis

Pfizer, BioNTech Seek EU Clearance for Covid-19 Vaccine

U.K. Approves Pfizer Coronavirus Vaccine, a First in the West
COVID-19 DATA SUMMARY

County Projections
KEY TAKEAWAYS:

- The number of new patients with COVID-19 requiring hospitalization each day across Los Angeles County is increasing.

- The estimated transmission number (“R”) is 1.14 with an uncertainty of 1.07 to 1.22. Last week the estimate was 1.27 with an uncertainty of 1.17 to 1.41. If R is above 1 the number of cases will increase over time.

- Based on the current estimate for R, and assuming no change in behavior, it is likely that the number of cases will continue to go up. Shortages in the number of hospital beds and ICU beds are possible over the next 2 to 4 weeks. The number of ventilators Los Angeles County appears adequate over the next 4 weeks.

- The model suggests that about 1 in 5 Los Angeles County residents have had COVID-19.

HOW MANY IN LOS ANGELES ARE INFECTIOUS TO OTHERS?

The model suggest that about 0.50% of everyone in Los Angeles County is currently infected and infectious to others (uncertainty of 0.30% to 0.77%).

This suggests about 1 in 200 Los Angeles County residents are currently infectious to others (uncertainty between 1 in 330 and 1 in 130). Last week this estimate was 1 in 145.

Source: Los Angeles County Department of Health, COVID Tracking Project
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.
Hospital New Patient Projections: From Last Week
As of November 23, 2020

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Page 8

Uncertainty with no change in transmission behavior

Additional uncertainty if transmission behavior varies

Effect of Physical Distancing

Where we were
LOS ANGELES COUNTY
PROJECTIONS

Hospital New Patient Projections
As of November 30, 2020

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
LOS ANGELES COUNTY PROJECTIONS

Predictions of Demand in LA County | ICU Beds
As of November 30, 2020

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Page 11
Predictions of Demand in LA County | Ventilators
As of November 30, 2020

Ventilator Availability for COVID-19 Patients

Where we are today

Additional uncertainty if transmission behavior varies

Uncertainty with no change in transmission behavior

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Predictions of Daily Mortality LA County
As of November 30, 2020

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Page 13
The transmission of COVID-19 in Los Angeles County is changing over time, with different patterns in different geographic areas.

More detailed geographical analysis is required to identify specific communities needing additional support in identifying cases and limiting spread.
If transmission....

Maintained at Current Levels

33% (uncertainty 25% to 45%)

½ way between Pre-order and Current Levels

62% (uncertainty 57% to 67%)

Increases to Pre-order Levels

78% (uncertainty 75% to 81%)

... of LA County residents will have been infected by March 31, 2021 *

*(This includes adults and children)
Los Angeles County Projections

What about Influenza?
As of November 30, 2020

- Daily hospital admissions for COVID-19
- Hospital bed utilization for COVID-19
- Typical daily hospital admissions for influenza-associated illnesses
- Typical hospital census of patients with influenza-associated illnesses

We have not yet seen significant influenza activity in Los Angeles County. The usual seasonal increase in utilization of hospital beds from influenza-associated illnesses is shown here. Influenza-associated illnesses typically lead to a demand for hospital beds similar to the current demand for patients with COVID-19. These estimates will be updated when influenza activity is detected.

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Page 16
Hospital Admissions are a Decreasing Fraction of New Cases
As of November 30, 2020

Source: Los Angeles County Department of Health
Prepared by Mayor’s Innovation Team
Page 17
**Key Takeaways:**
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):** 4,500
- **Total Hospitalizations:** 2,000
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.

---

**Daily New Cases (5-day average)**

<table>
<thead>
<tr>
<th>Date</th>
<th>New Cases (5-day rolling average)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/11</td>
<td>10</td>
</tr>
<tr>
<td>3/29</td>
<td>298</td>
</tr>
<tr>
<td>7/18</td>
<td>3,450</td>
</tr>
<tr>
<td>12/2</td>
<td>5,377</td>
</tr>
</tbody>
</table>

**Daily Total Hospitalizations**

<table>
<thead>
<tr>
<th>Date</th>
<th>Total Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/29</td>
<td>489</td>
</tr>
<tr>
<td>7/18</td>
<td>2,233</td>
</tr>
<tr>
<td>12/1</td>
<td>2,572</td>
</tr>
</tbody>
</table>
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

### Current Los Angeles County Risk Level: WIDESPREAD

<table>
<thead>
<tr>
<th>County risk level</th>
<th>New cases</th>
<th>positive tests</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WIDESPREAD</strong></td>
<td>More than 7 daily new cases (per 100K)</td>
<td>More than 8% positive tests</td>
</tr>
<tr>
<td><strong>SUBSTANTIAL</strong></td>
<td>4 - 7 daily new cases (per 100K)</td>
<td>5 - 8% positive tests</td>
</tr>
<tr>
<td><strong>MODERATE</strong></td>
<td>1 - 3.9 daily new cases (per 100K)</td>
<td>2 - 4.9% positive tests</td>
</tr>
<tr>
<td><strong>MINIMAL</strong></td>
<td>Less than 1 daily new cases (per 100K)</td>
<td>Less than 2% positive tests</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, 7-Day COVID Positive Test Rate** (vs last week), **New Hospitalizations, Acute Care Bed Capacity, ICU Bed Capacity** (vs baseline), and **Unemployment Insurance Claims** (vs baseline)

The following metrics have seen **desirable** movement over the past seven days:

- **New Deaths, 7-Day COVID Positive Test Rate** (as of 2 days ago), **New Hospitalizations** (7-day avg)*, **Acute Care Bed Capacity** (7-day avg)*, **ICU Bed Capacity** (7-day avg)*, 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 12/1/20

### 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>New Cases (7-day avg.)</td>
<td>5,217 (7-day avg)</td>
<td></td>
<td>+19.1%</td>
<td></td>
<td>+400.2%</td>
</tr>
<tr>
<td>New Deaths (7-day avg.)</td>
<td>28 (7-day avg)</td>
<td></td>
<td>-7.4%</td>
<td></td>
<td>-43.8%</td>
</tr>
<tr>
<td>COVID 7-Day Positive Test Rate (as of 2 days ago)</td>
<td>9.3% (overall)</td>
<td></td>
<td>+2.4%</td>
<td></td>
<td>-2.3% COVID+ 1st Rate is % Point Difference w/ baseline</td>
</tr>
<tr>
<td>New Hospitalizations (7-day avg)*</td>
<td>257 (7-day avg)</td>
<td></td>
<td>+23.7%</td>
<td></td>
<td>+65.4%</td>
</tr>
<tr>
<td>Acute Care Bed Capacity (7-day avg)*</td>
<td>560 (7-day avg)</td>
<td></td>
<td>-1.9%</td>
<td></td>
<td>-49.8%</td>
</tr>
<tr>
<td>ICU Bed Capacity (7-day avg)*</td>
<td>112 (7-day avg)</td>
<td></td>
<td>+5.5%</td>
<td></td>
<td>-54%</td>
</tr>
<tr>
<td>LA City Crime (7-day avg) baseline = 2019 YTD</td>
<td>434 daily crimes (7-day avg) as of 11/28/2020</td>
<td></td>
<td>-10.8%</td>
<td></td>
<td>-23.7%</td>
</tr>
<tr>
<td>LA City Unemployment Ins. Claims (includes PUA) baseline = equivalent 2019 week</td>
<td>4,694 as of 11/14/2020</td>
<td></td>
<td>-1.2%</td>
<td></td>
<td>+130%</td>
</tr>
</tbody>
</table>

Source: Los Angeles County Department of Health, COVID Tracking Project
Prepared by Mayor’s Innovation Team
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## LOS ANGELES

<table>
<thead>
<tr>
<th></th>
<th>Global</th>
<th>Los Angeles</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New Cases</strong></td>
<td>12,463</td>
<td>5,987</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>New Deaths</strong></td>
<td>3,529</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>New Cases</strong></td>
<td>652,977</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>New Deaths</strong></td>
<td>149</td>
<td>40</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## COVID-Related Call Themes - 12/1

- Testing
- Rent or financial help
- Questions about restrictions

## COVID-Related Call Details

- COVID-Related 311 Calls: 311
- Non-COVID Related 311 Calls: 311
- Average Wait: 2.1 mins

## COVID-Related Call Themes

- Testing
- Rent or financial help
- Questions about restrictions

## L.A. Testing Updates

<table>
<thead>
<tr>
<th>City Tests (Tests Performed Since Last Report)</th>
<th>Available City Testing Capacity Today</th>
<th>City Tests Since 3/20</th>
<th>Total City Sites Available Today</th>
</tr>
</thead>
<tbody>
<tr>
<td>33.1K</td>
<td>39K</td>
<td>2.49M</td>
<td>10</td>
</tr>
</tbody>
</table>

## Hospitalizations

<table>
<thead>
<tr>
<th>New Hospitalizations</th>
<th>Current Hospitalizations</th>
<th>Total Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>298</td>
<td>2,572</td>
<td>29.9K</td>
</tr>
</tbody>
</table>

## Beds

<table>
<thead>
<tr>
<th>Total Beds</th>
<th>Acute Care</th>
<th>ICU Beds</th>
<th>Ventilators</th>
</tr>
</thead>
<tbody>
<tr>
<td>479</td>
<td>393</td>
<td>86</td>
<td>983</td>
</tr>
</tbody>
</table>

Sources: Los Angeles County Department of Health, HAvBED, City of Los Angeles, Johns Hopkins University

Prepared by Mayor’s Innovation Team

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COVID-19 DATA SUMMARY

United States Update
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: 1,245.9K cases in California (+20.8K) - 3149 per 100K
19.3K deaths in California (+113) - 48.9 per 100K

#2: 1,200.7K cases in Texas (+16.4K) - 4183 per 100K
21.8K deaths in Texas (+207) - 75.8 per 100K

#3: 1,001.8K cases in Florida (+9.9K) - 4703 per 100K
19.0K deaths in Florida (+96) - 89.3 per 100K

#4: 748.6K cases in Illinois (+9.8K) - 5875 per 100K
13.4K deaths in Illinois (+266) - 105.1 per 100K

#5: 664.2K cases in New York State (+9.0K) - 3398 per 100K
26.9K deaths in New York State (+73) - 137.6 per 100K

Rounding out the top ten are:
Ohio, Georgia, Wisconsin, Michigan, 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
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. 1,245.9K cases in California (+20.8K) - 3149 per 100K
   19.3K deaths in California (+113) - 48.9 per 100K

2. 1,200.7K cases in Texas (+16.4K) - 4183 per 100K
   21.8K deaths in Texas (+207) - 75.8 per 100K

3. 1,001.8K cases in Florida (+9.9K) - 4703 per 100K
   19.0K deaths in Florida (+96) - 89.3 per 100K

4. 748.6K cases in Illinois (+9.8K) - 5875 per 100K
   13.4K deaths in Illinois (+266) - 105.1 per 100K

5. 664.2K cases in New York State (+9.0K) - 3398 per 100K
   26.9K deaths in New York State (+73) - 137.6 per 100K

Rounding out the top ten are: Pennsylvania, Ohio, Michigan, Indiana, Minnesota

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

- **Potter, Texas (Amarillo):** 10,930 cases per 100K (12,833 total cases)
- **Minnehaha, South Dakota (Sioux Falls):** 10,693 cases per 100K (20,652 total cases)
- **Lubbock, Texas:** 10,441 cases per 100K (32,426 total cases)
- **El Paso, Texas:** 10,337 cases per 100K (86,752 total cases)
- **Woodbury, Iowa (Sioux City):** 10,168 cases per 100K (10,484 total cases)

Los Angeles, California: 4,068 cases per 100K (408,396 total cases)

*Los Angeles County ranks #260 out of 584 counties with 100K+*
Top 5 per capita (per 100K) deaths by County:

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

**Queens, New York:** 326.4 deaths per 100K (7,356 total deaths)

**Kings, New York:** 293.3 deaths per 100K (7,509 total deaths)

**Essex, New Jersey (NYC Metro Area):** 280.1 deaths per 100K (2,238 total deaths)

**Cameron, Texas:** 264.9 deaths per 100K (1,121 total deaths)

**Los Angeles, California:** 76.7 deaths per 100K (7,700 total deaths)

Los Angeles County ranks #207 out of 584 counties with 100K+
Key Takeaways:
Los Angeles County currently has a **1.9% mortality rate**. The estimated infection rate is 1.14 (**ideal is <1.0**).
Key Takeaways:
The past seven days have seen an average daily increase of 5,217 new cases.

The past seven days have seen an average daily increase of 28 new deaths.

Source: Los Angeles County Department of Health

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.
Key Takeaways:

- As of December 1, there are outbreaks at 293 non-residential locations in Los Angeles with at least three cases for a total of 2,985 confirmed cases.

- The largest new outbreaks have been identified at the following locations:
  - LAPD Newton Community Police Station - 19 confirmed cases
  - CR Creative Services in Los Angeles - 16 confirmed cases
  - Contessa Premium Food in Los Angeles - 16 confirmed cases
  - Woodward HRT, Inc. in Santa Clarita - 16 confirmed cases
  - Wilshire La Jolla Apartments-Gilbane Building Construction in Los Angeles - 13 confirmed cases

Source: Los Angeles County Department of Health

Note: the outbreak list includes Los Angeles County non-residential settings that meet the criteria of (1) five or more laboratory-confirmed COVID-19 cases or symptomatic persons with at least 1 laboratory-confirmed COVID-19 case at a worksite, or (2) three or more laboratory-confirmed COVID-19 cases or symptomatic persons with at least 1 laboratory-confirmed COVID-19 case at a setting with vulnerable clients.
COVID-19 • CITY + COUNTY + STATE VIEW

New & Total Cases
### Key Takeaways:

- Data is incomplete with 33.4% of cases and 0.3% of deaths still under investigation.

- People aged 18-29 and 30-49, and Hispanic/Latino Americans are overrepresented in cases.

- Seniors, Men, Hispanic/Latino, and Black Americans overrepresented in deaths.

- 7,146 out of 7,639 deaths had comorbidities (underlying conditions) (93.5%).

### COVID Cases and Death Demographics*

As of November 28, 2020 • Four-day lag

**Source:** Los Angeles County Department of Public Health, US Census Bureau

*Department of Public Health category Under Investigation or Not Otherwise Listed filtered out of analysis. Approximations are made on Census data to accommodate county age buckets. Percentage of cases and deaths under investigation is based on the race category.

**Prepared by Mayor’s Innovation Team**

#### Bar Chart: LA County Population, Cases, Deaths

<table>
<thead>
<tr>
<th>Age</th>
<th>LA County Population</th>
<th>Cases</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>65 and over</td>
<td>13%</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>0 to 17</td>
<td>22%</td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>18 to 29</td>
<td>25%</td>
<td>18%</td>
<td></td>
</tr>
<tr>
<td>30 to 49</td>
<td>34%</td>
<td>28%</td>
<td></td>
</tr>
<tr>
<td>50 to 64</td>
<td>49%</td>
<td>19%</td>
<td></td>
</tr>
<tr>
<td>Gender</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td>51%</td>
<td>19%</td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>43%</td>
<td>19%</td>
<td></td>
</tr>
<tr>
<td>Race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asian</td>
<td>15%</td>
<td>14%</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>8%</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>48%</td>
<td>43%</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>16%</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>26%</td>
<td>14%</td>
<td></td>
</tr>
</tbody>
</table>

**Source:** Los Angeles County Department of Public Health, US Census Bureau

*Department of Public Health category Under Investigation or Not Otherwise Listed filtered out of analysis. Approximations are made on Census data to accommodate county age buckets. Percentage of cases and deaths under investigation is based on the race category.

**Prepared by Mayor’s Innovation Team**

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Key Takeaways:
From 5/1 to 11/28

- Hispanic/Latino share increased by 13.1%
- White share decreased by 5.5%
- Asian share decreased by 4.4%
- Black share decreased by 2.9%
- Other Races share decreased by 0.2%
- Native Hawaiian/Pacific Islander share decreased by 0.2%
- American Indian/Alaska Native share increased by 0.1%

Source: Los Angeles County Department of Public Health, COVID Tracking Project
*Missing cases/deaths data by demographic from 7/2-7/3

Prepared by Mayor’s Innovation Team
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Note: From 7/27, the age categories 18 to 40 and 41 to 65 were broken down into the following categories:

- 18 to 29
- 30 to 49
- 50 to 64

Data on age demographic is missing between 7/22-7/26 as a result of this change.
Deaths by Age
As of November 28, 2020 • Four-day lag

Note: From 7/27, the age categories 18 to 40 and 41 to 65 were broken down into the following categories:

- 18 to 29
- 30 to 49
- 50 to 64

Data on age demographic is missing between 7/22-7/26 as a result of this change.
Key Takeaways:

- An average of 14,557 Cases reported in CA from 11/25 to 12/2 (1.2% increase)

- LA County accounts for 33.2% of cases in CA with an average of 5,217 new cases reported from 11/25 to 12/2 (1.4% increase)

- The City of LA accounts for 13.6% of cases in CA with an average of 2,007 new cases reported from 11/25 to 12/2 (1.3% increase)
Key Takeaways:
The past seven days have seen an average daily increase of 5,217 new cases.

Today, 5,987 new cases were reported.

Note: Daily numbers may show a discrepancy when performing basic addition. This is based on the fact that the County is performing ongoing investigation into cases and updating their daily case numbers but not updating historic case numbers.

CASES

COVID-19 Los Angeles County Total and New Cases
As of December 2, 2020, 1:00 PM
COVID-19 • LOS ANGELES COUNTY

New & Total Deaths
Key Takeaways:
• An average of 64 deaths reported in CA from 11/25 to 12/2 (0.3% increase)
• LA County accounts for 40.1% of deaths in CA with an average of 28 new deaths reported from 11/25 to 12/2 (0.4% increase)
• The City of LA accounts for 16.8% of deaths in CA with an average of 10 new deaths reported from 11/25 to 12/2 (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.

CA’s new deaths/total for 11/24 do not include Los Angeles County

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Key Takeaways:
The past seven days have seen an average daily increase of 28 new deaths

Today, 40 new deaths were reported.

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.

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COVID-19 • LOS ANGELES COUNTY

Testing
Key Takeaways:

• **At least 2,491,231 tests** have been performed at City of Los Angeles since 3/20

• In LA County overall, at least **3,779,882** have been tested since 3/20

• **At least 33,089 tests** were performed on 12/1

• On average, **20,908 tests** were performed each day from 11/25 to 12/1

• **162,377** of the 2,421,186 tests for which results were received were positive (6.7%)
Key Takeaways:

LA County’s overall positive rate is currently at 10.2% (for individuals tested)

LA City’s overall positive rate is currently at 6.8% (for all tests)

Source: Los Angeles County Department of Public Health. Recent dates are incomplete due to lags in reporting. Persons Tested are derived from Electronic Lab Reporting (ELR) data. Positive Persons will not equal total cases because not all laboratories report results through ELR.

Prepared by Mayor’s Innovation Team
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Key Takeaways:
• The cumulative positive testing rate for City of LA sites peaked on 4/27 with a rate of 7.8%
• The overall positive testing reached its lowest rate of 4.3% on 5/31
• The cumulative positive rate for City of LA site is rising and is currently at 6.8%
• The 7-day positivity rate spiked considerably to 11.6% (as of 11/30). This is the highest 7-day rate observed yet.

Source: City of Los Angeles
*Public test registration. It does not include registration of critical city employees, first responders, and health care providers. These testing numbers only include sites within the City of Los Angeles boundaries.

Prepared by Mayor’s Innovation Team
Key Takeaways:
- The overall positive rate for Los Angeles County peaked on 4/8 with a rate of 13.4%.
- The positive testing reached its lowest rate of 7.7% on 5/27.
- The overall cumulative % positive persons tested as of 12/1 is 10.2%.

Source: Los Angeles County Department of Public Health. Recent dates are incomplete due to lags in reporting. Persons Tested are derived from Electronic Lab Reporting (ELR) data. Positive Persons will not equal total cases because not all laboratories report results through ELR.

Prepared by Mayor’s Innovation Team
Key Takeaways:

- The overall positive rate for Los Angeles County peaked on 4/8 with a rate of 13.4%.
- The positive testing reached its lowest rate of 7.7% on 5/27.
- Given delays in testing results, 7-day positive average rates are more stable when viewed after a week.
- The overall cumulative % positive rate of specimens tested as of 11/25 was 6.2%.
- The 7-day average daily % positive specimen rate as of 11/25 was 7.2%.

Source: Los Angeles County Department of Public Health. Recent dates are incomplete due to lags in reporting.
Persons Tested are derived from Electronic Lab Reporting (ELR) data. Positive Persons will not equal total cases because not all laboratories report results through ELR.

Prepared by Mayor’s Innovation Team
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COVID-19 • LOS ANGELES COUNTY
Hospitalizations
Key Takeaways:
- 2,572 currently hospitalized patients, a 5.5% increase from yesterday

Source: California Open Data Portal
*Hospitalizations in county press conferences often reported with two-day lag
**There are additional patients in hospitals that are COVID-19-suspected

Prepared by Mayor’s Innovation Team
Page 49
Key Takeaways:
- At least 29,948 people have been hospitalized since 3/18
- 298 new hospitalizations* as of 12/1
- An average of 257 people were hospitalized daily due to COVID-19 between 11/24-12/01
- The new 7-day rolling average increased by 23.7% compared to last week’s average

*No new hospitalizations update for 7/31

Source: County HavBed Bed Tracking and Los Angeles County Department of Public Health Services

Prepared by Mayor’s Innovation Team

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Key Takeaways:
479 total beds

Since last week, there has been a:
- **28.4%** decrease in available acute care beds. Surge capacity is 11,482
- **9.5%** decrease in available ICU beds. Surge capacity is 4,067
- **15.2%** decrease in available ventilators. Surge capacity is 3,199

Hospital Bed and Equipment Capacity for LA County
As of December 1 • One-day lag

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

Prepared by Mayor’s Innovation Team
Hospital Bed and Equipment Capacity for LA County
As of December 1 • One-day lag

ICU BEDS

ACUTE CARE BEDS

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
*No data for 7/31 currently available

Prepared by Mayor’s Innovation Team
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Hospital Bed and Equipment Capacity for LA County
As of December 1 • One-day lag

HOSPITALIZATIONS

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
*No data for 7/31 currently available

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**Key Takeaways:**

- Current mask stock is **491,966**
- The stock of masks **decreased 1.6%** from last week
- The projected 3-month need is **660,765**
- The projected 6-month need is **1,387,607**

**Source:** Los Angeles EOC

* Includes LAFD, LAPD, RAP/Shelter Staff, Harbor, Personnel, GSD, Street Services, GSD, LAWA, ITA, DOT, Aging.
** The burn rate for LAFD decreased due to revised standards for reuse. LAPD burn rate = 1000/day; LAFD = 1500/day; LAWA = 1875/day.
*** The six-month need is more than double the three-month need because departments estimate that their burn rate may increase with time.
COVID-19
LA County School Reopening Status
Beginning September 14, 2020, K-12 schools in Los Angeles County were allowed a limited number of high-need students to return to campus for specialized support and services.

On October 27, 2020, the threshold was updated to modify the proportion of students who may receive specialized services on campus at any one time. All schools may have up to 25% of full student capacity on campus at one time. Following are the key numbers of schools and services, currently available.

For specialized in-person services
- 1,670 schools have been approved. In total, this affects
  - 80,630 students
  - 32,902 staff

Charter/private/public breakdown
- 72.3% of the schools with in-person services are public schools
- 15.9% are charter schools
- 11.8% are private/independent/faith-based schools

Source: INSTRUCTIONS FOR COMPLETING K-12 SPECIALIZED SERVICES NOTIFICATION FORM; Reopening Protocols for K-12 Schools: Appendix T1; MAP: Services Notification Form Submissions
Special Need Waivers: TK-2 Schools Granted Opening Waivers
As of November 30, 2020

Each week, Los Angeles County will grant waivers for up to **50 schools** to conduct limited specialized services and assessments for high need students

- Schools which qualify for free/reduced lunch are prioritized
- DPH reopening protocol must be met with cleaning, infection control, distancing, etc.
- DPH staff will visit all schools to provide technical assistance

On **October 27, 2020**, the policy was modified, allowing schools to have up to 25% of full student capacity on campus at one time.

As of November 30, **202 schools** have received approval.

**Charter/private/public breakdown**
- **33.2%** of the schools are public schools
- **1%** are charter schools
- **65.8%** are private/independent/faith-based schools

**54 Schools are within the City of Los Angeles**

Source: [Reopening Protocols for K-12 Schools: Appendix T1](#); MAP: LA County COVID-19 School Waivers
COVID-19 DATA SUMMARY

Flu Vaccines
Key Takeaways:
• At least 7,161 flu vaccines have been performed at City of Los Angeles since 9/22
• This week, flu vaccines will be offered at the following locations:
  Open Everyday:
  Crenshaw Christian Center
  1261 W. 79th St.
  Los Angeles, 90044

  Open Tues - Sat:
  208 Park Ave
  San Fernando, 91340

  Open Tues, Wed, and Sat:
  Hansen Dam Recreational Center
  11798 Foothill Blvd.
  Lake View Terrace, 91342

  Baskin Robbins
  1950 W. Slauson Ave.
  Los Angeles, 90047

  Open Saturday:
  LA Christian Presbyterian
  2241 N. Eastern Ave
  Los Angeles, 90032

Source: City of Los Angeles
Prepared by Mayor’s Innovation Team
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COVID-19 DATA SUMMARY
City Response and Preparedness
Weekly Business Ambassadors Visits
As of December 1, 2020 • One-day lag

Key Takeaways:
• At least 5,844 visits made as of 11/24*:
  • DSW Visited Locations: 3,256
  • LAPD Visited Applications: 2,540
  • Complaint Applications: 107
  • DWP Checks: 415
  • DWP Shut Offs: 5

Source: City of Los Angeles
*Program on hold from May 29-July 21
Prepared by Mayor’s Innovation Team
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Hotline Services: 311 Calls
As of December 1, 2020 • One-day lag

Source: ITA - 311 Contact Center
Prepared by Mayor’s Innovation Team
Los Angeles Traffic
Continued increase to traffic but still lower than usual non-COVID levels of traffic

Source: SigAlert.com
Prepared by Mayor’s Innovation Team
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Domestic violence crime is defined as "Intimate Partner - Simple Assault" and "Intimate Partner - Aggravated Assault" crimes.

LA Crime Data
Remains down over 2019 and more so in recent weeks.

BEHAVIORAL ANALYSIS
As of November 28, 2020 (four-day lag)

Los Angeles Crime - 2020 vs. 2019
13.8% reduction in overall crime (since 3/12/2020)

Los Angeles Part I Crime - 2020 vs. 2019
10.6% reduction in Part I Crime (since 3/12/2020)

Los Angeles DV Crimes - 2020 vs. 2019
12.0% reduction in reported domestic violence crime* (since 3/12/2020)

"Part I" crime includes homicide, rape, robbery, aggravated assaults, burglary, larceny, vehicle theft and arson.

Domestic violence crime is defined as “Intimate Partner - Simple Assault” and “Intimate Partner - Aggravated Assault” crimes.

Source: LAPD
Prepared by Mayor’s Innovation Team
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Key Takeaways:

- Unlike most crime, homicides in Los Angeles are up in 2020 vs 2019.
- Los Angeles has now surpassed 300 homicides for the first time since 2009.
- Homicides are currently 28% higher in 2020 than in 2019.
- For the first part of 2020, homicides were up compared to 2019. However, by April 22, 2019 had accumulated 1 more homicide than 2020.
- Since that point, homicides have risen 287.3%. In 2019, homicides only rose 198.8% over the equivalent timeframe.

Source: LAPD

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BEHAVIORAL ANALYSIS

Summary of Apple Mobility Data for Los Angeles
As of December 1, 2020 • One-day lag

Key Takeaways:
• Walking direction requests have decreased by 3%
• Driving direction requests have decreased by 12%
• Transit direction requests have decreased by 54%

Source: Apple COVID-19 Mobility Trends Report
Prepared by Mayor’s Innovation Team
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Key Takeaways:

- **38%** of residents are staying home.

Source: Safegraph

Prepared by Mayor’s Innovation Team

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COVID-19 • Los Angeles City Overview

Economic Analysis
Key Takeaways:
- 4,700 new claims from 11/8-11/14, including Pandemic Unemployment Assistance (PUA).
- Spiked on 3/28 with 112,000 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
Key Takeaways:

- September unemployment (seasonally-adjusted) is estimated at **12.3%** for LA County. This is lower than September’s numbers (15.5%)

- **1,325,185** total claims for Unemployment Insurance (UI) and Pandemic Unemployment Assistance (PUA) in 2020

Source: California EDD

Prepared by Mayor’s Innovation Team
14.6% decrease compared to last year
- Jan to July 2019: $341,146,102
- Jan to July 2020: $291,253,631

City of LA Sales Tax Revenue
As of October 2020

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<td>Sales Tax Dollars</td>
<td>54.87M</td>
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<td>47.92M</td>
<td>44.55M</td>
<td>52.61M</td>
<td>48.37M</td>
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<td>51.41M</td>
<td>52.60M</td>
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Source: California EDD
Prepared by Mayor's Innovation Team
Key Takeaways:
Overall, applications increased across all programs compared to September.

Applications in October 2020:
- **48,994** CalFresh (15% increase)
- **29,730** Medi-Cal (1.1% increase)
- **9,512** General Relief (21% increase)
- **8,501** CalWORKs (15% increase)
- **5,208** CAPI (9% increase)
- **171** CAPI (11% increase)
COVID-19 • CITY OF LOS ANGELES
Actions this past Month
# Actions This Month

**City of Los Angeles**

### 10th

Mayor Garcetti today announced extended testing hours at Dodger Stadium, keeping the site open from 8am until 8pm and increasing the City’s total testing capacity to 32,400 per day ahead of the holiday and flu seasons.

### 17th

The Los Angeles City Mobile Testing Group is bringing COVID-19 testing to communities throughout the City for people who are unable to drive to a testing site. Testing is walk up only. No appointment is necessary, but you can register in advance.

Mayor Garcetti announced that the City is soon launching a large new walk-up testing site in the Valley.

### 25th

All travelers entering the City from another state or country will be required to fill out an online form to acknowledge and spread awareness of California’s recommended 14-day quarantine upon arrival.

The San Fernando Park COVID-19 testing super site in the Northeast Valley, in partnership with the City of San Fernando, opened. It was built in response to a significant spike in case numbers in nearby communities and will be the tenth City location providing free COVID-19 tests to anyone with or without symptoms.

Mayor Garcetti launched LA Optimized, an initiative to help local small businesses recover from the pandemic by expanding their e-commerce capabilities and growing their online presence.
End of Report
December 2, 2020